



Report on the 1979 Field Program
NEF1-93 Claim
Dawson Mining District,
Claim Sheet 115J/15
Lat 62°58'N Long. 138°38'W
January, 1980 W.J. Olsson

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

\$ 29,100.00

Resident Geologist or
Resident Mining Engineer

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

B. R. BAXTER
Supervising Mining Recorder

for Commissioner of Yukon Territory

SUMMARY

The NEF claim group was examined by field parties during the last half of June, from a base camp at Britannia Creek.

The NEF property is partially underlain by a Cretaceous quartz monzonite termed the Coffee Creek Granite. In the vicinity of the NEF claims, the quartz monzonite intrudes units of the Pelly Gneiss.

There are 19 radiometric anomalies and 20 uranium-in-soil anomalies delineated by the NEF grid work.

Detailed sampling, prospecting and mapping is suggested before trenching and diamond drilling is undertaken on the NEF property.

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TABLE OF CONTENTS

	<u>Page</u>
SUMMARY.....	i
I - INTRODUCTION.....	1
1.1 Location.....	1
1.2 Previous Work.....	1
1.3 The Claims.....	1
II - GEOLOGY.....	2
2.1 Introduction.....	3
2.2 Geology of the Isaac Creek Area, Y.T.....	3
2.2.1 Geological Overview.....	3
2.2.2 Geology of the NEF Claims	5
(i) Pelly Gneiss.....	5
(ii) Coffee Creek Granite.....	6
2.2.3 Discussion.....	8
III - 1979 PROGRAM.....	9
3.1 Introduction.....	9
3.2 Logistics.....	9
3.3 NEF Claim Work.....	11
3.3.1 Introduction.....	11
3.3.2 Geophysical Surveys.....	11
3.3.3 Geochemical Surveys.....	13
IV - CONCLUSIONS.....	17
V - RECOMMENDATIONS.....	18

LIST OF FIGURES

<u>Figure</u>	<u>Description</u>	<u>Opposite Page</u>
1	Location Map Isaac Creek Area	1
2	Modal Compositional Plot Coffee Creek Granite	6
3	Location Map NEF Claims	11
4	NEF Claims Radiometrics	In Pocket
5	NEF Claims Radiometric Histogram	13
6	NEF Claims Geochemistry - Soils	In Pocket
7	NEF Claims Soil Geochem Histogram	15
8	NEF Claims Soil Profile Pit 79-1	15
9	NEF Claims Soil Profile Pit 79-2	15

LIST OF TABLES

	<u>Page</u>
TABLE I - Radiometric Anomalies	
NEF Claims - 1979.....	12
TABLE II - Soil Geochemical Anomalies	
NEF Claims - 1979.....	16

I - INTRODUCTION

1.1 Location

The NEF mineral claim group is centered at 62°58' North Latitude, 138°38' West Longitude in map sheet 115J/15.

1.2 Previous Work

The regional geology of map sheet area 115/J was mapped by D.J. Templeman-Kluit and reported in Geological Survey of Canada Paper 73-41 entitled "Reconnaissance Geology of Aishishiak Lake, Snag and Part of Stewart River Map Areas, West Central Yukon".

Field investigation by crews in 1977 and under the direction of Eldorado Nuclear Limited, located streams with silts and water containing anomalous amounts of uranium. In 1978, a total of 34 claims were staked and in 1979, an additional 63 claims were acquired.

The 1978 program consisted of geological mapping, a scintillometer survey and a soil sampling program. An assessment report covering this work was filed with the Mining Recorder in Dawson City.

1.3 The Claims

The mineral claims NEF 1-34 inclusive were acquired in June of 1978 in response to the revelation that competitive interest were acquiring a large claim block in close proximity to an area considered to be off prime interest to the project. As a result, portions of the initial NEF claim block overstated portions of the MK claim group. An inspection by the Mining Recorder's Office led to the rejection of the application to record NEF 14, along with portions of 6 other mineral claims due to the overstaking.

Late in 1978, several reconnaissance traverses were carried out to the southwest of the NEF 1-34 claim block. A decision was then made to acquire the mineral rights to a large tract of land underlain by silts containing values in excess of 1000 ppm U.

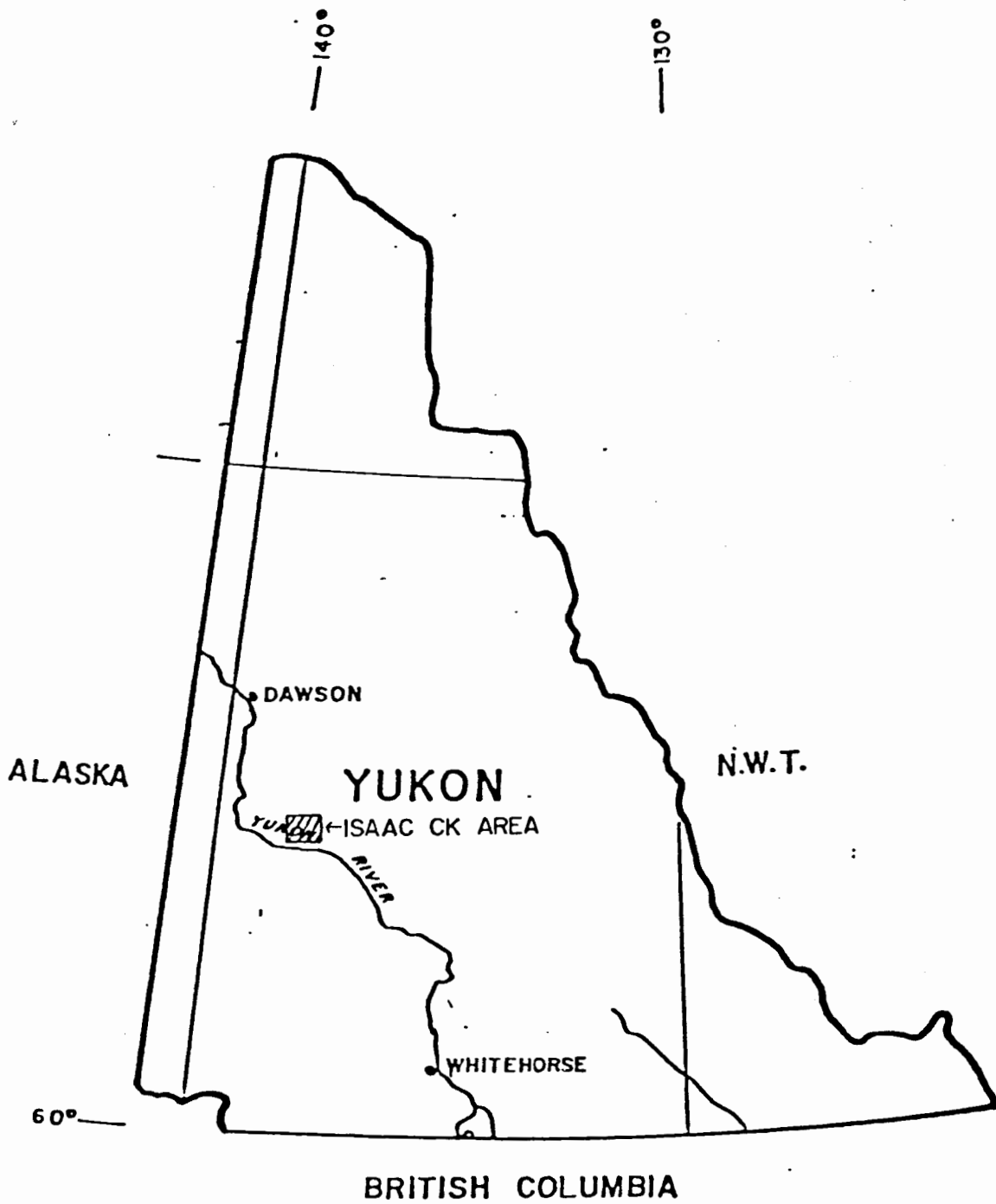


Figure 1

ELDORADO NUCLEAR LIMITED

PROJECT 522

LOCATION MAP

ISAAC CK AREA

The staking of NEF 35-90 occurred in March of 1979 under contract to Eastman-Moreau, Contractors. An error in the staking of NEF 84-90 was rectified in June of 1979 with the acquisition of NEF 91-97. Table I summarizes the NEF claim group by claim number, grant number, recording date and projected expiry date as of December 31, 1979.

Table 1

Claim Name	Grant Number	Recording date	Expiry Date
NEF 1-13	YA29660-YA29672	May 24/78	Aug. 24/80
NEF 15-24	YA29674-YA29683	May 24/78	Aug. 24/82
NEF 25F	YA29798	May 24/78	Aug. 34/82
NEF 26-34	YA29684-YA29692	May 24/78	Aug. 34/82
NEF 35-90	YA32010-YA32065	Apr. 6/79	July 6/82
NEF 91-97	YA32762-YA32768	June 30/77	Aug. 24/82

II - GEOLOGY

2.1 Introduction

The geology of the Isaac Creek area has been reported by D.J. Tempelman-Kluit in G.S.C. Paper 73-41.

2.2 Geology of the Isaac Creek Area, Y.T.

The NEF claims lie within the Britannia map area (115J/15), which forms a part of the Snag map-sheet (115J + 115KE 1/2), Yukon Territory.

This report begins with a brief overview of the geological setting of the Britannia Creek map area. The introductory part is based on a compilation of the geology of the Snag map area by Tempelman-Kluit in 1974 and his later summary report of the geology of the Yukon Crystalline Terrane (Tempelman-Kluit, 1976). A detailed description of the geology of the claim groups follows the introductory overview.

2.2.1 Geological Overview

The Britannia Creek map area (115J/15) is contained within the northeastern portion of the Yukon Crystalline Terrane, one of the tectonic subdivisions of the Northern Canadian Cordillera (Tempelman-Kluit, 1974 and 1976; Le Couteur and Tempelman-Kluit, 1976; Morrison, 1979). The Yukon Crystalline Terrane is characterised by Paleozoic and Proterozoic metasediments and granitoids which are intruded by Mesozoic and Cenozoic plutonic rocks and are capped by Cenozoic volcanic rocks.

The northern three quarters of the Britannia Creek map area (115J/15) is underlain by metamorphic rocks of the Paleozoic and/or Proterozoic Yukon Metamorphic Complex. These rocks include members of the Pelly Gneiss (PPgdn) and the "schist and gneiss" unit (PPsn). The "schist and gneiss" unit (PPsn) consist of generally recessive weathered muscovite-biotite quartzite and quartz-mica schist. Locally these rocks are intercalated with amphibolite,

marble or orthogneiss. The "schist and gneiss" unit (PPsn), which is characterised by its diversity in lithology, is believed to include higher grade metamorphic equivalents of other rocks of the Yukon Metamorphic Complex (Tempelman-Kluit, 1974, 1976).

Pelly Gneiss (PPgdn) consist of grey to brown, fine- to medium-grained muscovite-biotite schist and gneiss. This unit may in part be intermingled with other rocks of the Yukon Metamorphic Complex, in particular components of the Klondike Schist (Psqm) and the "schist and gneiss" unit (PPsn).

The southern portion of the Britannia Creek map-sheet is underlain by a suite of plutonic rocks of the Late Triassic, Klotassin Batholith (TRgdm; Tempelman-Kluit, 1974 and 1976; Le Couteur and Tempelman-Kluit, 1976; Tempelman-Kluit and Wanless, 1975). Rocks of this plutonic suite are generally coarse-grained and equigranular, varying in composition from quartz monzonite to quartz diorite. Along its northern margin, the Klotassin Batholith forms a sharp steep contact with the metamorphic and granitoid rocks of the Yukon Metamorphic Complex.

Medium-grained, equigranular to porphyritic quartz monzonite to granite intrudes rocks of the Yukon Metamorphic Complex within the Britannia Creek map-sheet. These plutonic rocks are members of the Coffee Creek Granite (Tg), which occurs as a series of west-northwest elongated intrusive bodies characterised by sharp discordant contacts. On the basis of both Rb/Sr and K/Ar determinations (Tempelman-Kluit and Wanless, 1975; Le Couteur and Tempelman-Kluit, 1976), the age of the Coffee Creek Granite is about 100 million years (Cretaceous).

Rocks of the Yukon Metamorphic Complex in the northeastern portion of the Snag map area, near the Yukon River, are characterised by a north-westerly trending structural grain. These rocks have been deformed into open folds (Tempelman-Kluit, 1974).

2.2.2 Geology of the NEF Claims

This part of the report is based primarily on observations made during the summer of 1979, but it also includes information from thin section reports which were prepared on a selected suite of samples which were collected in this area in 1978.

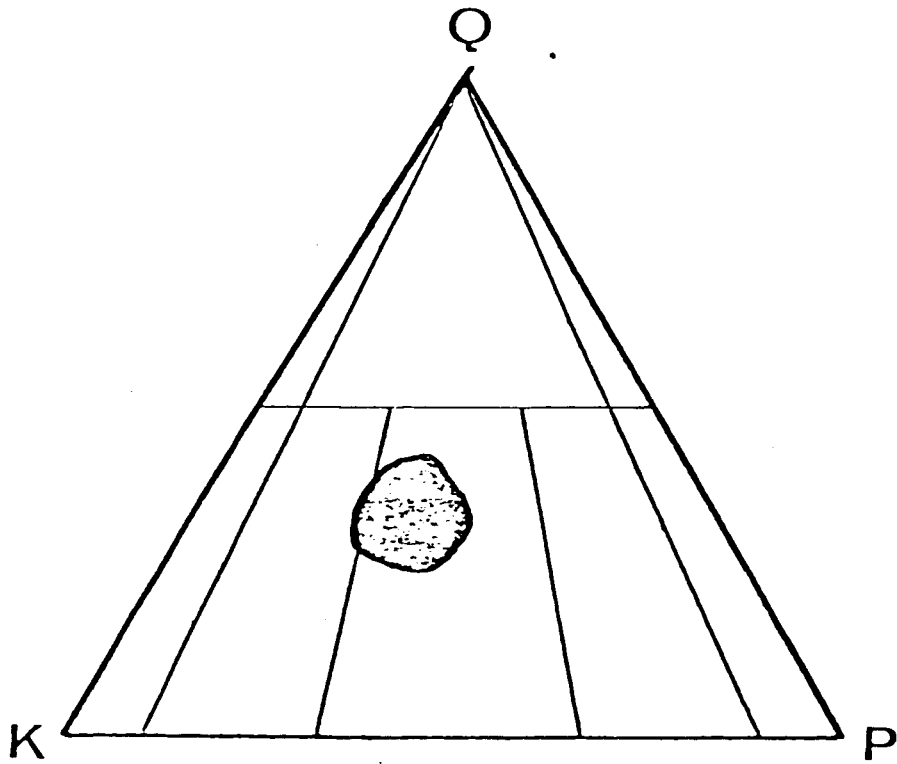
Other than a few small isolated outcrops, there is no surficial expression of the nature and distribution of the rock types which underlie the NEF property. Because this area is contained within the unglaciated portion of the Yukon, however, felsenmeer as well as rock chips collected from soil pits provide invaluable clues as to the nature of the underlying geology. Thus an important part of compiling the geological map of the claim group involved carefully logging all rock chips which were collected from soil sample grids.

The NEF claims are underlain by grey weathering Pelly Gneiss (PPgdn) which has been intruded by quartz monzonite of the mid-Cretaceous Coffee Creek Granite (Tg).

(1) Pelly Gneiss

Pelly Gneiss consists of fine- to medium-grained biotite and hornblende-biotite schist and gneiss. On the basis of several macroscopic observations, it is estimated that this rock is composed of 60-65% feldspar (predominantly as plagioclase), 30% quartz and 4-8% biotite with minor hornblende. Biotite typically occurs as flat clots of fine- to medium-sized grains, with individual clots often being aligned in a parallel to sub-parallel fashion defining a prominent foliation. These biotite clots are often concentrated into very thin laminations (<1.0mm) which alternate with medium-thickness laminations (2.0-5.0mm) of feldspar and quartz. In addition to the well developed foliation, this rock is commonly characterised by a strong mineral lineation. On the NEF property, Pelly Gneiss is often dissected by a well developed joint pattern, with the surfaces of these joints locally being coated with epidote.

Figure 2



Coffee Creek QZMZ

Modal Compositional Plot
(After Tempelman-Kluit, 1976)

On the NEF claims, Pelly Gneiss contains a few scattered amphibolite inclusions. These are typically fine- to medium-grained, equigranular rocks with a pronounced mineral lineation defined by the orientation of grains of hornblende.

Pelly Gneiss is cut by fine- to coarse-grained, buff to buff-grey weathering veins of quartz and feldspar. Although they are generally mafic free, locally these veins contain clots or disseminated flakes of biotite.

The following summary of the microscopic attributes of the Pelly Gneiss unit is based on thin section descriptions of samples 100148 and 100158 (1978). The major discrepancy between the modal analyses presented in these reports and the modal analyses based on macroscopic observations (see above) could in part be due to the orientation of the rock slab from which the thin sections were cut.

Thin sections of the Pelly Gneiss reveal that it is composed of a generally fine- to locally medium-grained equigranular mosaic of anhedral grains. The modal composition of this rock from thin section studies is estimated to be: 10-35% quartz, 35% plagioclase, 10-20% hornblende, 10-15% biotite and 5-15% epidote. Accessory and secondary minerals include: chlorite, K-feldspar, sphene, apatite, zircon, sercite and pyrite.

Both biotite and hornblende exhibit a strong dimensional orientation in the Pelly Gneiss; some quartz grains are also elongated in the plane of schistosity. Varying proportions of the constituent minerals impart a distinct compositional banding to the rock.

(ii) Coffee Creek Granite

The NEF claims are underlain by two distinct phases of quartz monzonite of the mid-Cretaceous Coffee Creek Granite (Tg). The main component is grey to pinkish light-grey weathering, medium-grained inequigranular to porphyritic quartz monzonite. This rock is characterised by a groundmass of 3-5mm grains of quartz and feldspar often with euhedral to subhedral phenocrysts of orthoclase, anhedral phenocrysts of smokey quartz and rare

anhedral phenocrysts of plagioclase. K-feldspar grains in this phase of the quartz monzonite weather a distinctive pink colour and plagioclase grains generally weather white. On the basis of macroscopic observations of numerous stained rock samples, it is estimated that this rock is composed of: 35-40% plagioclase, 25-30% K-feldspar, 20-30% quartz, and 1-3% biotite. Figure 6-3 is a modal plot for the Coffee Creek Granite which was compiled by Tempelman-Kluit (1976).

Within the NEF claim area, the other phase of the Coffee Creek Granite (Tg) is a fine- to medium-grained (max. 2.0mm) pinkish-grey to grey weathering quartz monzonite. This rock is generally equigranular but locally it contains a few scattered medium- to occasionally coarse-grained phenocrysts of quartz and biotite. The fine-grained phase of quartz monzonite occurs within and has an intrusive contact with the main body of medium-grained quartz monzonite (described above).

The following description is based on the thin section reports for three rock samples of the medium-grained variety of quartz monzonite (100168, 100141, 100166).

Quartz monzonite of the Coffee Creek Granite is typically medium-grained and hypidomorphic granular. These rocks are characterised by subhedral grains of plagioclase encompassed by anhedral K-feldspar and quartz. From thin section work, the modal composition of the quartz monzonite is estimated as: 25-45% K-feldspar, 25-40% plagioclase, 20-25% quartz, and 5-15% biotite. Common accessory and secondary minerals include magnetite, sphene, muscovite, apatite, zircon, hornblende, leucoxene, sericite, clinozoisite and chlorite.

Plagioclase grains in the quartz monzonite often have a tabular habit and in some instances occur in clusters. Compositional zoning is a common feature of this mineral. Biotite generally occurs in clots of several flakes which are often associated with small granules of sphene, magnetite and leucoxene.

2.2.3 Discussion

In general, on the NEF claims there is a slightly higher radiometric background associated with the area underlain by a fine-grained phase of the quartz monzonite (200 cps) as compared with the area underlain by the medium-grained phase of this unit (150 cps). The radiometric background of the quartz monzonite unit is usually at least three times higher than that of the Pelly Gneiss (50 cps). This latter observation was found to be an invaluable tool for mapping in areas of no exposure.

In some instances, at anomalous radiometric sites, rock chips of hematitized, brecciated quartz monzonite were discovered. These chips are probably indicative of secondary alteration along fault or fracture zones and as such may provide a good criteria for use in future exploration activities.

Tempelman-Kluit (1976) has suggested that the mid-Cretaceous Coffee Creek Granite (Tg) may be coeval with similar age plutons which were emplaced in the Omineca Crystalline Terrane after a regional orogenic event.

Strontium isotope data has indicated that initial Sr^{87}/Sr^{86} ratios for the Coffee Creek Granite are greater than 0.706 (Tempelman-Kluit and Wanless, 1975; Le Couteur and Tempelman-Kluit, 1976). These results are interpreted to indicate that the Coffee Creek Granite was emplaced through Precambrian crust.

III - 1979 PROGRAM

3.1 Introduction

Work on the NEF claims in 1979 included a detailed soil geochemical/radiometric survey combined with some hydrogeochemical sampling and geological mapping. The work was concentrated on the NEF 34 to 97 mineral claims and was carried out between June 16 and July 2 of 1979.

All sample location were identified by a 4 digit number which appeared on pre-numbered Kraft sample bags. A 2 digit prefix was assigned to the number to identify the sample type (ie. 22 for rock, 40 for soil, 41 for silt, 42 for water and 44 for heavy mineral).

Baselines were established along blazed claim lines and crosslines were then run at 400 metre intervals. Soil and rock sample were obtained at 100 metre station. Radiometric readings were taken at ground level every 25 metres.

Technical advice and direction to the program was provided by Dr. C.F. Gleeson, Consulting Geochemist.

3.2 Logistics

The work on the NEF claim block was carried out by an 8 man party operating from a 10 man base camp established at the mouth of Britannia Creek on the Yukon River. Mobilization of field personnel and equipment was carried out by river boat, owned and operated by W. Harris of Minto on June 16, 1979. Access to the property was by Hughes 500 C helicopter under seasonal contract with Liftair International out of Calgary, Alberta.

Operations of the base camp were carried out under Land Use Permit 7B9J451 issued to Eldorado Nuclear Limited by the Renewable Resources Division of the Department of Indian Affairs and Northern Development.

A list of the names of the personnel involved with the work on the HASL property in 1979 is presented as Table II.

Table II

<u>NAME</u>	<u>CLASSIFICATION</u>	<u>STATUS</u>	<u>DATES EMPLOYED IN 1979 ON CLAIMS GROUP</u>
W.J. Olsson	Project Geologist	permanent	June 20-22, 29
G. Delaney	Geologist	temporary	June 20-22, 24-25, 29
B. Duncan	Geologist	temporary	June 19-21, 23-24
A. Pasitscheniak	Assistant	temporary	June 19-21, 23, 25-26, 28-29
G. Owsiacski	Assistant	temporary	June 19-21, 23, 26, 28-29
B. Skelly	Assistant	temporary	June 19-21, 23-24, 27-29
J. Cux	Assistant	temporary	June 19-21, 23, 26-28, 30, July 1
E. Connell	Assistant	temporary	June 19-21, 24-27, 29-30, July 1
C.F. Gleeson	Consulting Geochemist		June 20-21

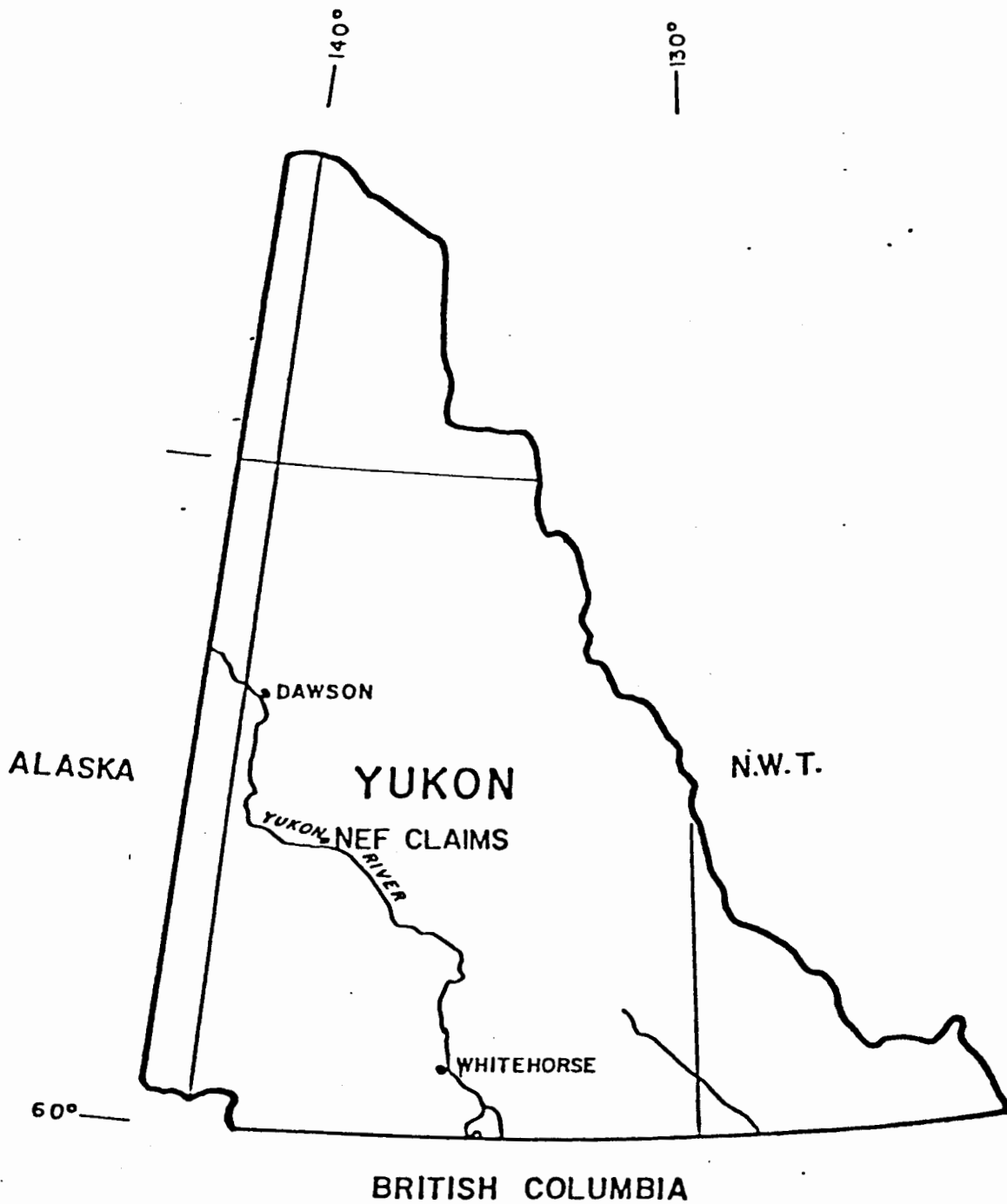


Fig.3

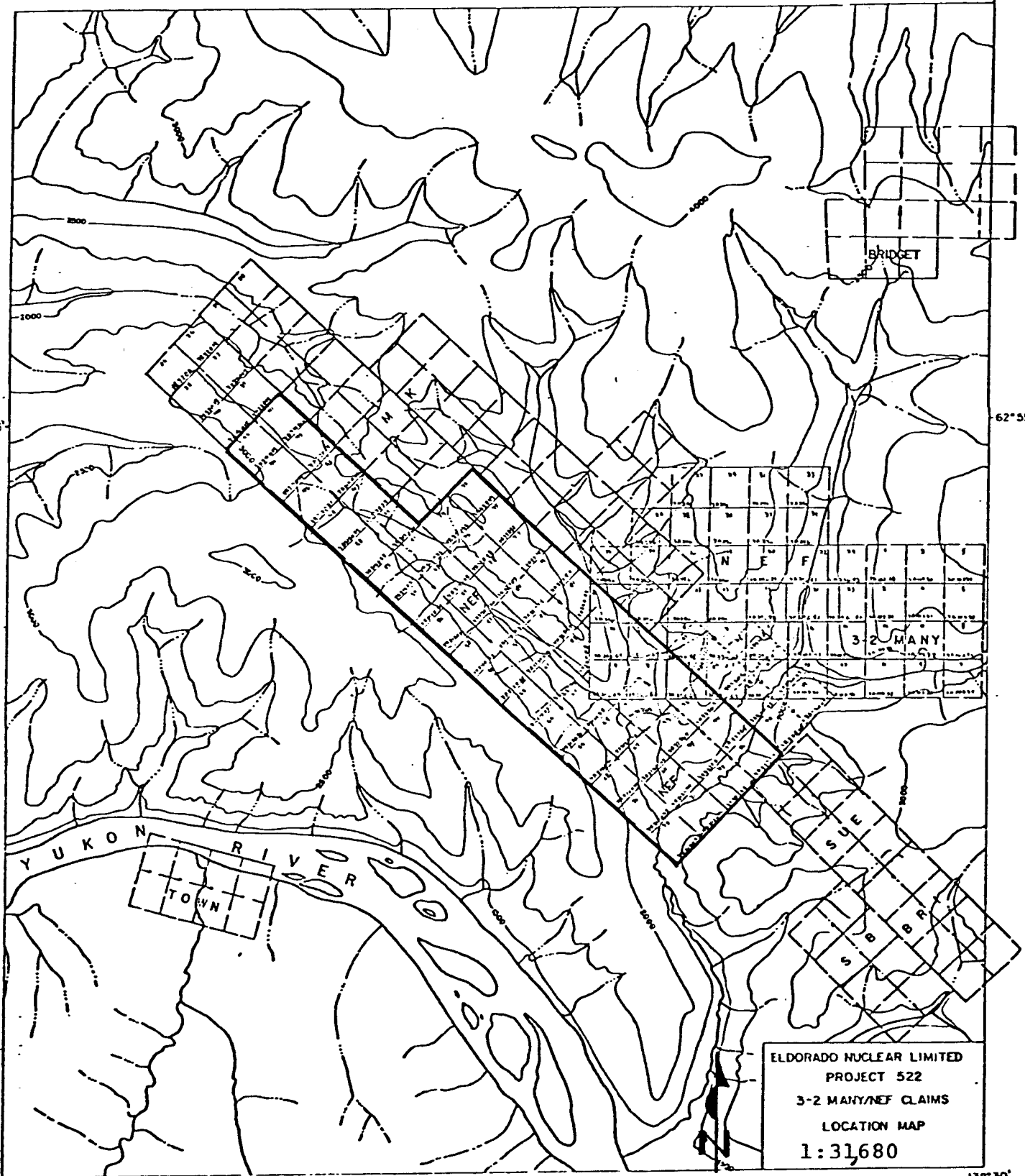
ELDORADO NUCLEAR LIMITED
PROJECT 522
LOCATION MAP
NEF CLAIMS




138°30'

62°55'

62°55'



ELDORADO NUCLEAR LIMITED
 PROJECT 522
 3-2 MANY/NEF CLAIMS
 LOCATION MAP
 1:31680

 Area of Grid Work 1979

138°30'

3.3 NEF Claim Work

3.3.1 Introduction

The objectives of the 1979 program on the NEF claim group were as follows:

- (1) Assess the potential of the claims.
- (2) Determine the radiometric and geochemical response of the Coffee Creek Granite-Pelly Gneiss contact.
- (3) Evaluate the overall geochemical environment of the area.

3.3.2 Geophysical Surveys

A ground radiometric survey was carried out in conjunction with a soil geochemical survey. Readings in counts per second were taken every 25m along lines 100m apart. Instruments used were Scintrex BGL-ISL scintillometers.

The results of the radiometric survey are presented as Figure 6-4 and listed under Table I.

The background radiometric response of the granite is 130 cps while over the gneiss it is 50 cps. Values greater than or equal to 200 cps are considered anomalous in the granitic terrane while values greater than or equal to 100 cps are considered anomalous in the gneissic terrane.

A total of 4 large radiometric anomalies are present on the NEF grid. They are anomalies 1, 3, 6 and 9. Anomalies 2, 4, 5, 11 and 12 are relatively small, being defined by 2 or 3 readings. All other anomalies are spot anomalies involving 1 anomalous reading.

Anomaly 1, located in the northeast corner of the grid is the strongest of the large anomalies. There is a definite northwest trend to the data (paralleling the local structural trend) at that location. Most values are above 250 cps. Anomaly 3 does not have a definite trend to it but it by

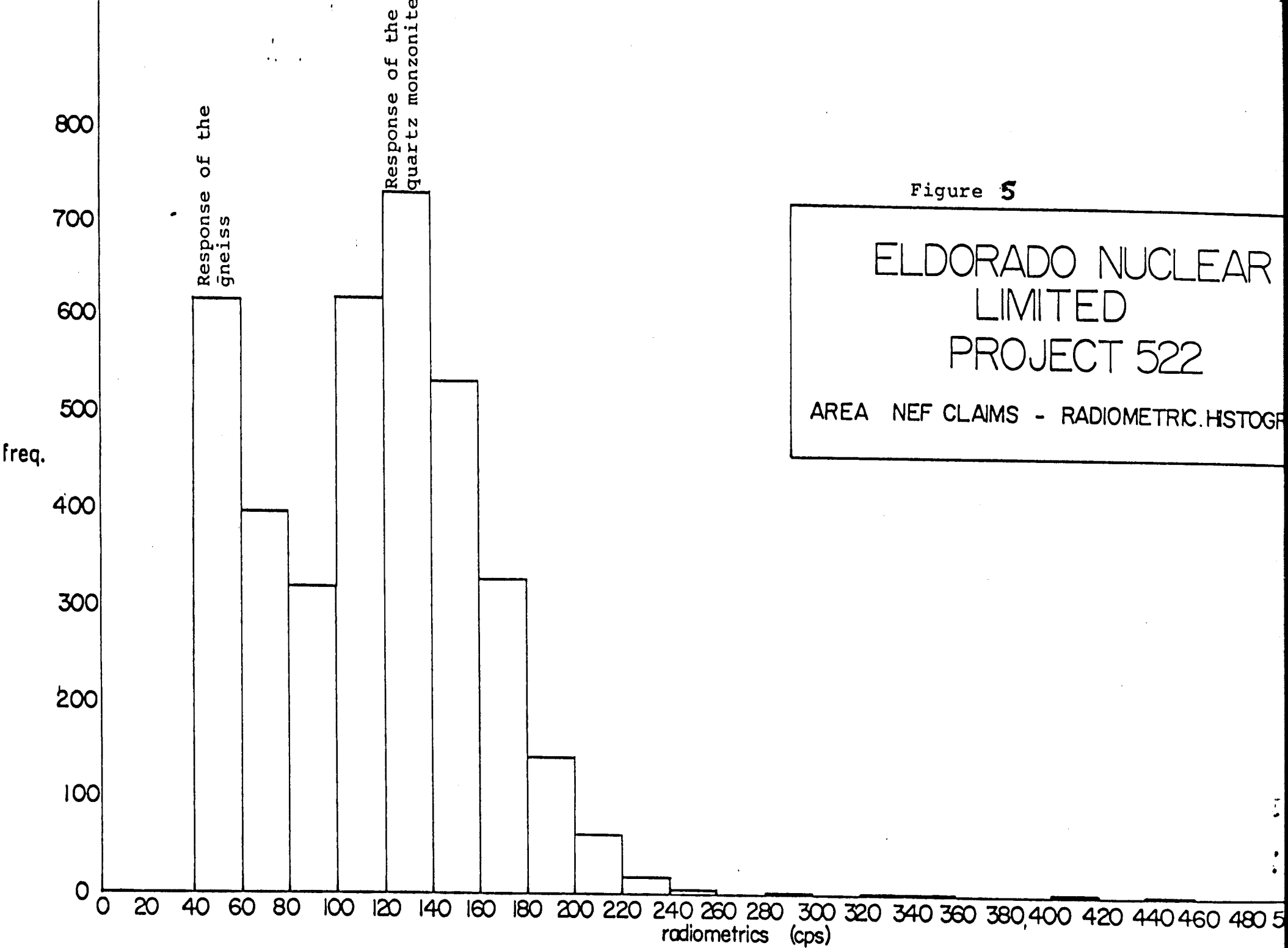
TABLE I

RADIOMETRIC ANOMALIES

NEF CLAIMS

1979

ANOMALY NUMBER	GRID COORDINATES	RANGE OF VALUES	NUMBER OF ANOMALOUS VALUES	DIMENSIONS
1	37+00S, 10+00W	200-400	10	600mx100m
2	35+00S, 29+00W	200	2	25mx 25m
3	39+00S, 34+00W	200-220	29	600mx400m
4	41+00S, 36+00W	200-210	3	50mx 25m
5	41+50S, 39+00W	200-250	3	100mx100m
6	38+50S, 39+00W	200-230	17	500mx250m
7	35+00S, 40+00W	200	1	25mx 25m
8	35+00S, 44+00W	200	1	25mx 25m
9	43+00S, 43+00W	200-240	12	300mx100m
10	37+75S, 43+00W	200	1	25mx 25m
11	36+50S, 46+00W	200-210	2	100mx 50m
12	39+00S, 45+50W	200-210	2	100mx 50m
13	37+00S, 47+00W	200	1	25mx 25m
14	45+00S, 50+00W	200	1	25mx 25m
15	47+00S, 56+00W	230	1	25mx 25m
16	45+25S, 56+00W	200	1	25mx 25m
17	49+25S, 73+00W	200	1	25mx 25m
18	49+50S, 81+00W	200	1	25mx 25m
19	46+25S, 88+00W	550	1	25mx 25m



far covers the largest area (2400m²). Readings are slightly anomalous in the 200-220 cps range. Anomalies 3 to 10 inclusive are underlain by the fine-grained quartz monzonite as described previously in this report. The anomalies, therefore, may just be reflecting the lithological difference. Of all the spot anomalies, number 19 is by far the strongest at 550 cps. The reading was the highest one recorded on the property; however, the geochemistry of a soil sample from that location reflects background values in uranium.

There are 3 radioactive anomalies numbered 20, 21 and 22 located over gneissic terrane. All are weak, spot anomalies and are not considered to be overly important at this time.

3.3.3 Geochemical Surveys

Geochemical work carried out in or near the NEF property include the bulk sampling of silt, water and rocks from the main anomalous stream, heavy mineral sampling of all nearby drainages, and a detailed soil sampling program over the NEF claims acquired early in 1979.

Bulk silt, water and rock samples were obtained from the east-west flowing creek cutting the NEF/3-2 Many claim group (location 1030). Results from this sampling are reported on certificates SP0894 and 48063. The silt and rock have essentially the same chemical composition with the former having slightly higher amounts of chromium, magnesium, titanium, and zinc. The rock has a higher lead content. The water at this location has a uranium content of 18.4 ppb. A "total dissolved solids" analysis of this water indicates the water to be relatively "clean" with the following reported values: 0.4 ppm K, 6.2 ppm Ca, 0.1 ppm U, 19.0 ppm C₃, 0.5 ppm Cl, 11.0 ppm SiO₂, < 2.0 ppm SO₄, < 0.01 ppm PO₄, an Eh of 346 a pH of 7.2 and a specific conductivity of 42 micromohs per cm.

Heavy mineral samples were obtained from all creeks whose sphere of influence included the territory covered by the 3-2 Many/NEF claim block. The sample obtained from the main anomalous creek (location 1030) has a uranium content of 620.0 ppm U. A pan sample obtained from the bank of the same creek near location 1030 has a uranium content of 740 ppm U. The northwest-southeast

trending creek located on the recently acquired NEF claim group was sampled with results indicating 200 ppm U is present in detrital form along the creek. Two samples taken from the bottom of pits dug into the bank along this stream have uranium contents of 65.0 ppm and 82.0 ppm, both of which are well below the 200 ppm U reported from the main stream.

The heavy mineral sampling of the streams flowing through the NEF/3-2 Many claim group verifies uranium is being transported in anomalous quantities along these drainages. These quantities are 3 to 10 times greater than the background values as determined by previous sampling.

Prior to carrying out the detailed soil sampling program, orientation pits were dug and the exposed soil profile was sampled. Results are shown as Figures 6-8 and 6-9.

In both pits, the uranium values of the samples essentially remained constant with depth. This feature is indicative of a soil anomaly developing from the underlying bedrock in a residual soil environment.

Approximately 80% of the NEF 34-97 claim group was covered with a detailed soil geochemical survey. The results of this survey are presented in contoured form as Figure 6-6. A histogram of the geochemistry of soils is presented as Figure 6-7. Table II summarizes the anomalies by number with grid co-ordinates, range of values, number of anomalous values and the dimension of the anomaly.

The strongest and most significant soil anomaly is number 1 located along the southeast end of the property. This anomaly lies along a northwest trending lineament and crosses one of the main drainage systems of the area. Anomalies 2 and 3 occur along the drainage system, downstream from anomaly 1. These anomalies occur at a point where northwest trending lineaments truncate at the stream, suggesting a correlation between the two. Anomaly 4 occurs at the junction of a north-south lineament and the main NEF creek (the long northwest-southeast flowing creek that dissects NEF 34-97. Anomaly 5, a spot anomaly, is possibly related to the same structure as anomaly 4. It should be pointed out that these two anomalies are underlain by Pelly Gneiss and not granite.

TABLE II

SOIL GEOCHEMICAL ANOMALIES
NEF CLAIMS - 1979

ANOMALY NUMBER	GRID COORDINATES	RANGE OF VALUES	NUMBER OF ANOMALOUS VALUES	DIMENSIONS
1	37+00S, 11+00W	11.0-2650	11	600mx150m
2	42+00S, 13+00W	20.5- 180.0	4	300mx100m
3	50+00S, 13+00W	10.0- 380.0	8	800mx100m
4	49+00S, 19+50W	25 - 240.0	2	150mx 50m
5	48+00S, 22+00W	260	1	100mx100m
6	45+00S, 28+00W	5.5- 400	20	1500mx100m
7	46+00S, 32+00W	10.5- 285	2	150mx100m
8	46+00S, 34+00W	238	1	100mx100m
9*	37+00S, 35+00W	7.0- 880	8	300mx 50m 500mx 50m
10	46+00S, 40+00W	13.0-100.0	3	300mx100m
11*	37+00S, 50+00W	11.0- 26.0	4	150mx100m 200mx100m
12	46+00S, 53+00W	5.5-400.0	8	500mx200m
13	35+00S, 54+00W	12.0	1	100mx100m
14*	37+00S, 57+00W	13.5- 65.0	2	100mx100m 100mx100m
15	48+00S, 61+00W	10.0-127.0	11	600mx100m
16	50+00S, 71+00W	15.0	1	100mx100m
17	46+00S, 76+00W	14.0	1	100mx100m
18	46+00S, 81+00W	15.5- 55	5	400mx200m
19*	49+00S, 87+00W	10.0- 33.0	7	250mx200m 150mx100m
20	47+00S, 96+00W	12.0	1	100mx100m

* denotes anomalies outlined by 2 adjacent anomalous areas.

Anomaly 6 lies along a creek which defines part of the structure related to anomalies 4 and 5. The highest values associated with anomaly 6 occur at a point where east-west trending lineaments are truncated by a north-south structure. Anomaly 9 occurs north of and upstream from anomaly 6. Once again the values appear to be related to the intersection of 2 structural systems.

Anomaly 7 overlies the Pelly Gneiss and is not directly associated with any apparent structural pattern. The same applies to anomaly 8.

Approximately 500m northwest of anomaly 8, lies anomaly 10. It occurs at the intersection of an east-west lineament and a strong northwest-southeast fault. Anomaly 12, situated 1000m upstream from anomaly 10, has a similar structural setting.

Anomalies 11, 13 and 14 occur east of anomaly 12. Although they are not directly related to any structural pattern, their trend parallels that of the east-west lineament associated with anomaly 12.

Five hundred metres upstream from anomaly 12 on the granite side of the fault lies anomaly 15. Although the airphoto interpretation does not show any structures (apart from the fault marking the valley) related to the anomaly, there are 2 small streams nearby that flow in an east-west direction.

Anomaly 16, located 800m northwest of anomaly 15, lies at the intersection of a north-south lineament and the main northwest-southeast trending fault that underlies the main valley. Anomaly 17 lies to the north of anomaly 16 and along the same north-south lineament.

Anomalies 18, 19 and 20 do not appear to be related to any significant structural pattern. However, their trends parallel that of the east-west lineaments noted in the area.

IV - CONCLUSIONS

The 1979 field program on the NEF claim group has lead to the following conclusions:

- (1) The NEF claims are underlain by a quartz monzonite of probable Cretaceous age that intrudes units of the Proterozoic Pelly Gneiss. The quartz monzonite has both a fine-grained and a coarse-grained phase. Microscopic examination shows this unit to be a typical granitic intrusion of magmatic origin.
- (2) The contrast between the radiometric response of the granite (150 cps) and that of the gneiss (50 cps) is sufficient to accurately locate the contact between the 2 units. The fine-grained phase of the intrusive has a higher radiometric response (200 cps) than the coarse phase.
- (3) A general northwest-southeast trend is reflected by the radiometric data. This parallels the local structural trend to the terrane.
- (4) There is no appreciable difference between the chemistry of the rocks and the silts taken from streams draining the 3-2 Many/NEF claim group.
- (5) A "total dissolved solids analysis" of a bulk water sample from the creek draining the property, failed to indicate in what form the uranium is being transported in solution.
- (6) Uranium is being transported mechanically and in anomalous amounts along the stream beds draining the claim group.
- (7) Most of the soil geochemical anomalies are related to structural lineaments as intepreted from airphotos. This holds true for all of the strong soil anomalies.

V - RECOMMENDATIONS

The following is a list of recommendations regarding the NEF claim group:

- (1) All of the drainage systems within the claim block should be systematically sampled in a very detailed manner (every 100m). Waters, soils and heavy mineral samples should be taken at each site.
- (2) All of the airphoto lineaments related to soil geochemical anomalies should be sampled, prospected and mapped in detail. This work should also extend to other lineaments not related to soil anomalies.
- (3) All of the anomalies not related to obvious structures should be sampled, prospected and mapped in detail.
- (4) Geochemical anomaly 1 should be sampled, prospected and mapped on lines established 50m apart. The results should then be trenched.

William Olson



Analytical Results
NEF Claims

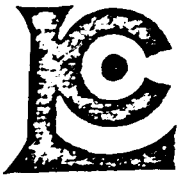
This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$ 29,100.⁰⁰

Resident Geologist or
Resident Mining Engineer

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

Commissioner of Yukon Territory

090656



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 AREA CODE: 604
 TELEX: 043-52597

- ANALYTICAL CHEMISTS
- GEOCHEMISTS
- REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St., CC. W. Olsson
 Ottawa, Ont.
 K1P 6A9
 ATTN: NEF - HEAVY MINERALS

CERTIFICATE NO. 47446
 INVOICE NO. 31197
 RECEIVED July 7/79
 ANALYSED July 18/79

SAMPLE NO. :	PPM Pb	PPM Sn	PPM W	PPM U	Tot. Weight	Wt. Heavies
PREFIX 44						
1015	190	3	14	82	499	4
1514	168	7	13	65	740	2.6



MEMBER
 CANADIAN TESTING
 ASSOCIATION

CERTIFIED BY: Hart Biddle



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 AREA CODE: 604
 TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47883

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St.,
 Ottawa, Ont.
 K1P 6A9

CC. Mr. William Olsson

INVOICE NO. 30870

RECEIVED June 25/79

ATTN:

NEF - Soil

ANALYSED July 3/79

SAMPLE NO. :	PPM
PREFIX 40	U
2088	3.5
2089	2.5
2092	1.0
2093	2.0
2095	2.0
2096	7.0
2097	3.5
2098	2.5
2099	2.0
2100	2.0
2101	1.5
2102	3.0
2103	1.5
2104	2.0
2105	2.0
2106	1.0
2108	7.0
2109	4.5
2110	2.0
2111	13.5
2112	2.0
2113	1.5
2114	2.5
2115	3.5
2116	5.0
2117	1.5
2118	2.0
2119	6.5
2121	1.5
2122	1.0
2123	2.5
2124	3.0
2126	3.0
2127	3.0
2128	12.0
2129	2.5
2130	7.0
2131	7.0
2132	4.0
2133	1.0



MEMBER
 CANADIAN TESTING
 ASSOCIATION

CERTIFIED BY:

William T. Olsson



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 CANADA V7J 2C1
 TELEPHONE: ██████████ 984-0221
 AREA CODE: 604
 TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St., CC. Mr. William Olsson
 Ottawa, Ont.
 K1P 6A9

CERTIFICATE NO. 47884
 INVOICE NO. 30870
 RECEIVED June 25/79
 ANALYSED July 3/79

ATTN: NEF - Soil

SAMPLE NO.	PPM
	U
PREF IX 40	
2 134	0.5
2 135	-0.5
2 136	2.5
2 137	7.0
3000	155
3001	2.0
3002	3.0
3003	+400
3004	91
3005	370
3006	1.5
3007	9.0
3008	2.0
3009	9.5
3010	6.5
3011	3.5
3012	3.0
3013	1.0
3014	10.5
3015	2.0
3016	330
3017	6.5
3018	2.0
3019	2.0
3498	13.5
3499	10.0
3500	380
3603	4.0
3604	1.0
3605	1.0
3606	3.0
3607	2.0
3608	1.5
3609	3.0
3610	1.5
3611	3.5
3612	0.5
3613	2.5
3614	3.5
3615	1.0



MEMBER
 CANADIAN TESTING
 ASSOCIATION

CERTIFIED BY: *Marna F. Ingham*



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 AREA CODE: 604
 TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47885

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St., CC. Mr. William Olsson
 Ottawa, Ont.
 K1P 6A9

INVOICE NO. 30870

RECEIVED June 25/79

ATTN: NEF - Soil

ANALYSED July 3/79

SAMPLE NO. :	PPM
U	
PREFIX 40	
36 16	1.5
36 17	3.0
36 19	NOT SUFFICIENT SAMPLE
40 15	2.0
40 16	1.0
40 17	1.5
40 18	1.5
40 19	10.5
40 20	-0.5
40 21	2.0
40 22	1.0
40 23	3.5
40 24	1.0
40 25	1.0
40 26	1.0
40 27	1.5
40 28	5.5
40 29	285
40 30	3.0
40 31	1.5
40 32	1.5
40 33	1.0
40 34	2.5
40 35	3.0
40 36	1.5
40 37	2.5
40 38	2.0
40 39	2.5
40 40	1.0
40 41	2.0
40 42	2.5
40 43	2.0
40 44	1.5
40 45	1.5
40 46	1.5
40 47	4.0
40 48	2.5
40 49	2.0
40 50	1.5
45 37	2.5



MEMBER
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CERTIFIED BY: *Norman F. Matheson*



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 TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47887

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St.,
 Ottawa, Ont.
 K1P 6A9

CC. Mr. William Olsson

INVOICE NO. 30870
 RECEIVED June 25/79
 ANALYSED July 3/79

ATTN: NEF 115 - J15 - Soil

SAMPLE NO.	PPM
PREFIX 40 U	
2569	1.5
2570	1.5
2571	4.5
2572	9.5
3576	2.0
3577	2.0
3578	2.5
3579	2.0
3580	1.0
3581	2.0
3582	10.0
3585	1.0
3586	1.0
3587	2.5
3588	1.5
3589	2.5
3590	3.5
3592	3.0
3593	1.0
3594	4.5
3596	1.0
3597	0.5
3598	2.0
3599	0.5



MEMBER
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CERTIFIED BY: *Norma F. Madson*



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 AREA CODE: 604
 TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St.,
 Ottawa, Ont.
 K1P 6A9

CC. Mr. W. Olsson

CERTIFICATE NO. 47444
 INVOICE NO. 30515
 RECEIVED June 7/79
 ANALYSED June 13/79

ATTN: Work Area: NEF - Soils Project #522

SAMPLE NO. :	PPM
	U
40 - 1009	9.0
1010	12.0
1011	11.0
1012	19.0
1013	13.0
1014	80
1508	57
1510	12.0
1511	12.5
1512	12.0
40 -1513	13.0



CERTIFIED BY: Hart Bielle



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TELEPHONE: (604) 262-1000 984-0221
AREA CODE: 604
TELEX: 043-57597

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47445

TO: Eldorado Nuclear Ltd.,
Ste. 400 - 255 Albert St.,
Ottawa, Ont.

CC. Mr. W. Olsson

INVOICE NO. 30515

RECEIVED June 7/79

ATTN: K1P 6A9

ANALYSED June 13/79

Work Area: NEF - Rock Project #522

SAMPLE NO. :	PPM U
22-1016	3.5
22-1512	5.5



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CANADIAN TESTING
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CERTIFIED BY: Hart Bielle



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TELEPHONE: ██████████ 984-0221
AREA CODE: 604
TELEX: 043-52597

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- GEOCHEMISTS
- REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
Box 4640
Whitehorse, Y.T.
Y1A 3V7
ATTN: Nef-Heavy Mineral

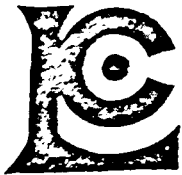
CERTIFICATE NO. 47446
INVOICE NO. 31477
RECEIVED June 7/79
ANALYSED July 30/79

SAMPLE NO. :	PPM
	Th
44-1015	1030
44-1514	NSS



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CANADIAN TESTING
ASSOCIATION

CERTIFIED BY: Hart Biddle



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TELEPHONE: [REDACTED] 984-0221
AREA CODE: 604
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
Ste. 400 - 255 Albert St., CC. W. Olsson
Ottawa, Ont.
K1P 6A9
ATTN:

CERTIFICATE NO. 47446
INVOICE NO. 31197
RECEIVED July 7/79
ANALYSED July 18/79

NEF - HEAVY MINERALS

SAMPLE NO. :	PPM Pb	PPM Sn	PPM W	PPM U	Tot. Weight	Wt. Heavies	Th
PREFIX 44							
1015	190	3	14	82	499	4	1030
1514	168	7	13	65	740	2.6	NSS

CERTIFIED BY: Hart Biddle



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 AREA CODE: 604
 TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47888
 INVOICE NO. 30870
 RECEIVED June 25/79
 ANALYSED July 3/79

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St., CC. Mr. William Olsson
 Ottawa, Ont.
 K1P 6A9
 ATTN: NEF 115 - J15 - Silt

SAMPLE NO.	PPM
PREFIX 41	
3583	125
3584	56
3595	127
3600	23.5
3601	48
3618	22.5



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 ASSOCIATION

CERTIFIED BY: *William F. Madison*



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 TELEPHONE: [REDACTED] 984-0221
 AREA CODE: 604
 TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St.,
 Ottawa, Ont.
 K1P 6A9

CC. Mr. William Olsson

ATTN: NEF - Soil

CERTIFICATE NO. 47883
 INVOICE NO. 30870
 RECEIVED June 25/79
 ANALYSED July 3/79

SAMPLE NO. :	PPM
	U
PREF IX 40	
2088	3.5
2089	2.5
2092	1.0
2093	2.0
2095	2.0
2096	7.0
2097	3.5
2098	2.5
2099	2.0
2100	2.0
2101	1.5
2102	3.0
2103	1.5
2104	2.0
2105	2.0
2106	1.0
2108	7.0
2109	4.5
2110	2.0
2111	13.5
2112	2.0
2113	1.5
2114	2.5
2115	3.5
2116	5.0
2117	1.5
2118	2.0
2119	6.5
2121	1.5
2122	1.0
2123	2.5
2124	3.0
2126	3.0
2127	3.0
2128	12.0
2129	2.5
2130	7.0
2131	7.0
2132	4.0
2133	1.0



MEMBER
 CANADIAN TESTING
 ASSOCIATION

CERTIFIED BY: *Norma G. Mattson*



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 TELEPHONE: ██████████ 984-0221
 AREA CODE: 604
 TELEX: 043-52597

- ANALYTICAL CHEMISTS
- GEOCHEMISTS
- REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St., CC. Mr. William Olsson
 Ottawa, Ont.
 K1P 6A9

CERTIFICATE NO. 47884
 INVOICE NO. 30870
 RECEIVED June 25/79
 ANALYSED July 3/79

ATTN: NEF - Soil

SAMPLE NO.	PPM
	U
PREFIX	40
2 134	0.5
2 135	-0.5
2 136	2.5
2 137	7.0
3000	155
3001	2.0
3002	3.0
3003	+400
3004	91
3005	370
3006	1.5
3007	9.0
3008	2.0
3009	9.5
30 10	6.5
30 11	3.5
30 12	3.0
30 13	1.0
30 14	10.5
30 15	2.0
30 16	330
30 17	6.5
30 18	2.0
30 19	2.0
3498	13.5
3499	10.0
3500	380
3603	4.0
3604	1.0
3605	1.0
3606	3.0
3607	2.0
3608	1.5
3609	3.0
36 10	1.5
36 11	3.5
36 12	0.5
36 13	2.5
36 14	3.5
36 15	1.0



MEMBER
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CERTIFIED BY: Norman T. Markham



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CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St., CC. Mr. William Olsson
 Ottawa, Ont.
 K1P 6A9
 ATTN: NEF - Soil

CERTIFICATE NO. 47885
 INVOICE NO. 30870
 RECEIVED June 25/79
 ANALYSED July 3/79

SAMPLE NO. :	PPM
U	
PREFIX 40	
36 16	1.5
36 17	3.0
36 19	NOT SUFFICIENT SAMPLE
40 15	2.0
40 16	1.0
40 17	1.5
40 18	1.5
40 19	10.5
4020	-0.5
4021	2.0
4022	1.0
4023	3.5
4024	1.0
4025	1.0
4026	1.0
4027	1.5
4028	5.5
4029	285
4030	3.0
4031	1.5
4032	1.5
4033	1.0
4034	2.5
4035	3.0
4036	1.5
4037	2.5
4038	2.0
4039	2.5
4040	1.0
4041	2.0
4042	2.5
4043	2.0
4044	1.5
4045	1.5
4046	1.5
4047	4.0
4048	2.5
4049	2.0
4050	1.5
4537	2.5



MEMBER
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CERTIFIED BY: *William F. Olsson*



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 AREA CODE: 604
 TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St.,
 Ottawa, Ont.
 K1P 6A9

CC. Mr. William Olsson

CERTIFICATE NO. 47886
 INVOICE NO. 30870
 RECEIVED June 25/79
 ANALYSED July 3/79

ATTN: NEF - Soil

SAMPLE NO.	PPM
	U
PREFIX 40	
4538	2.5
4539	5.5
4540	100
4541	4.0
4542	2.0
4543	2.0
4544	2.0
4545	2.0
4546	2.5
4547	2.5
4548	5.5
4549	5.5
4051	238
4052	5.0
4053	5.0
4054	5.5
4055	7.0
4056	2.5
4057	3.5



MEMBER
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 ASSOCIATION

CERTIFIED BY: *William F. Olsson*



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 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE: [REDACTED] 984-0221
 AREA CODE: 604
 TELEX: 043-52597

- ANALYTICAL CHEMISTS
- GEOCHEMISTS
- REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 47887

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St., CC. Mr. William Olsson
 Ottawa, Ont.
 K1P 6A9

INVOICE NO. 30870

RECEIVED June 25/79

ATTN: NEF 115 - J15 - Soil

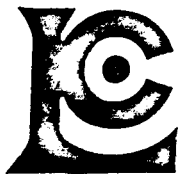
ANALYSED July 3/79

SAMPLE NO.	PPM
	U
PREF IX 40	
2569	1.5
2570	1.5
2571	4.5
2572	9.5
3576	2.0
3577	2.0
3578	2.5
3579	2.0
3580	1.0
3581	2.0
3582	10.0
3585	1.0
3586	1.0
3587	2.5
3588	1.5
3589	2.5
3590	3.5
3592	3.0
3593	1.0
3594	4.5
3596	1.0
3597	0.5
3598	2.0
3599	0.5



MEMBER
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 ASSOCIATION

CERTIFIED BY: *Norman G. Madison*



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CANADA V7J 2C1
TELEPHONE: [REDACTED] 984-0221
AREA CODE: 604
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.
255 Albert St., St. 400
Ottawa, Ont.
K1P 6A9

ATTN: PROJECT: NEF - WATER

WATERS
CC: W. Olsson

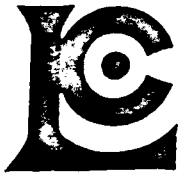
CERTIFICATE NO. 47895
INVOICE NO. 30812
RECEIVED June 25/79
ANALYSED June 29/79

SAMPLE NO. :	PPB U	PPM HCO ₃ ⁻
42-3583	14.0	
3584	10.2	
3595	8.0	
3600	4.2	
3601	39	24
42-3618	6.0	



MEMBER
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ASSOCIATION

CERTIFIED BY: Hart Biddle



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 TELEPHONE: ██████████ 984-0221
 AREA CODE: 604
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.
 Ste. 400 - 255 Albert St.
 Ottawa, Ont.
 K1P 6A9

CERTIFICATE NO. 48045
 INVOICE NO. 30958
 RECEIVED June 28/79
 ANALYSED July 10/79

ATTN: PROJECT: NEF - Soil

CC: W. Olsson

SAMPLE NO. :	PPM
	U
40-2181	1.5
2182	1.5
2183	3.0
2184	1.0
2185	2.5
2186	4.5
2187	4.0
2188	7.5
2189	1.0
2190	0.5
2191	1.5
2192	2.0
2193	6.5
2194	12.5
2195	5.0
2196	14.5
2197	1.5
2198	1.0
2199	<0.5
2200	3.5
2201	1.5
2202	2.0
2203	1.5
2204	1.5
2205	0.5
2206	1.5
2207	0.5
2208	3.5
2209	26
2210	11.0
2211	<0.5
2560	2.0
2561	7.0
2562	2.5
2563	5.0
2564	4.5
2565	4.0
2566	2.0
2567	1.0
40-2568	4.0



MEMBER
 CANADIAN TESTING
 ASSOCIATION

CERTIFIED BY: *Hart Bielle*



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE: [REDACTED] 984-0221
 AREA CODE: 604
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 48046
 INVOICE NO. 30958
 RECEIVED June 28/79
 ANALYSED July 10/79

TO: Eldorado Nuclear Ltd.
 Ste. 400 - 255 Albert St.
 Ottawa, Ont.

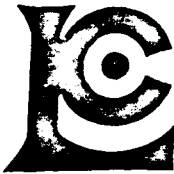
ATTN: KIP 6A9
 PROJECT: NEF - Soil CC: W. Olsson

SAMPLE NO. :	PPM	
	U	
40-2616	4.0	
2617	3.0	
2618	10.0	
2619	6.0	
2620	7.5	
2621	4.0	
2622	6.0	
2623	3.5	
2624	3.5	
2625	4.0	
2626	6.0	
2627	2.0	
2628	5.0	
2629	9.0	
2630	0.5	
2631	1.0	
2632	1.0	
2633	1.0	
2634	1.0	
2635	4.5	
3058	<0.5	
3059	<0.5	
3060	1.5	
3061	1.5	
3062	<0.5	
3063	>400	580
3064	>400	880
3065	4.0	
3066	4.5	
3067	345	
3068	2.5	
2069	2.0	
3070	1.0	
3071	<0.5	
3072	7.0	
3073	4.0	
3074	1.5	
3076	4.0	
3077	2.5	
40-3078	1.5	



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CHEMEX LABS LTD.

212 BROOKSBANK AVE.
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE: 683-0848 984-0221
 AREA CODE: 604
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.
 Ste. 400 - 255 Albert St.
 Ottawa, Ont.
 K1P 6A9

CERTIFICATE NO. 48047
 INVOICE NO. 30958
 RECEIVED June 28/79
 ANALYSED July 10/79

ATTN: PROJECT: NEF - Soil CC: W. Olsson

SAMPLE NO. :	PPM U
40-3079	280
3080	3.0
3081	70
3082	3.0
3083	0.5
3084	0.5
3085	1.0
3086	3.5
3087	7.0
3088	3.0
3089	2.5
3090	285
3091	10.0
3092	2.5
3093	2.0
3094	1.5
3095	0.5
3665	1.5
3666	1.0
3667	0.5
3668	0.5
3669	0.5
3670	1.0
3671	5.0
3672	1.5
3673	0.5
3674	1.5
3675	1.0
3676	2.0
3677	2.0
4114	1.0
4115	1.5
4116	4.0
4117	2.0
4118	1.5
4119	1.0
4120	7.5
4121	1.5
4122	1.5
40-4123	1.0



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212 BROOKSBANK AVE.
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 CANADA V7J 2C1
 TELEPHONE: 984-0221
 AREA CODE: 604
 TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.
 Ste. 400 - 255 Albert St.
 Ottawa, Ont.
 K1P 6A9

CERTIFICATE NO. 48048
 INVOICE NO. 30958
 RECEIVED June 28/79
 ANALYSED July 10/79

ATTN: PROJECT: NEF - Soil

CC: W. Olsson

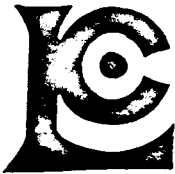
SAMPLE NO. :	PPM
	U
40-4124	0.5
4125	<0.5
4126	0.5
4127	<0.5
4128	1.0
4129	24
4130	0.5
4131	<0.5
4132	1.0
4133	1.5
4134	1.5
4135	1.5
4136	0.5
4137	<0.5
4138	<0.5
4139	<0.5
4140	<0.5
4141	1.0
4142	0.5
4143	<0.5
4144	<0.5
4145	<0.5
4146	0.5
4147	2.5
4148	1.0
4149	0.5
4150	0.5
4151	2.0
4152	0.5
4153	1.0
4154	0.5
4155	1.0
4156	3.0
4157	0.5
4158	1.0
4159	1.0
4160	2.0
4210	3.0
4211	13.0
40-4212	1.0



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212 BROOKSBANK AVE.
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 TELEPHONE: 984-0221
 AREA CODE: 604
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CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.
 Ste. 400 - 255 Albert St.
 Ottawa, Ont. K1P 6A9

CERTIFICATE NO. 48049
 INVOICE NO. 30958
 RECEIVED June 28/79
 ANALYSED July 10/79

ATTN: PROJECT: NEF - Soil CC: W. Olsson

SAMPLE NO. :	PPM
	U
40-4213	3.0
4214	0.5
4215	1.5
4216	3.5
4217	2.0
4218	2.0
4219	1.5
4220	1.5
4221	3.0
4222	61
4223	1.5
4224	3.0
4225	2.5
4226	<0.5
4593	1.5
4594	2.0
4595	1.0
4596	2.0
4597	1.5
4598	2.5
4599	1.5
4600	1.5
4601	1.0
4602	1.0
4603	1.5
4604	1.0
4605	51
4606	1.5
4607	2.5
4608	1.0
4609	4.5
4610	1.0
4611	2.5
4612	2.0
4613	2.0
4614	2.5
4615	1.0
4616	1.5
4618	2.5
40-4619	2.0



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CERTIFIED BY: *Hart Bickel*



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212 BROOKSBANK AVE.
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 CANADA V7J 2C1
 TELEPHONE: 984-0221
 AREA CODE: 604
 TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 48050

TO: Eldorado Nuclear Ltd.
 Ste. 400 - 255 Albert St.
 Ottawa, Ont.

INVOICE NO. 30972

RECEIVED June 28/79

ATTN: KLP 6A9
 PROJECT: NEF - Soil

CC: W. Olsson

ANALYSED July 11/79

SAMPLE NO. :	PPM
	U
PREFIX	40
4620	0.5
4621	1.5
4622	2.5
4623	1.5
4624	1.5
4625	2.0
4626	2.5
4627	2.0
4628	4.5
4629	4.0
4630	3.5
4631	3.0
4632	0.5
4633	1.5
4634	-0.5
4636	2.0
4637	1.0
4638	2.5
4639	4.0
4640	1.0
4641	0.5

NOTE - DENOTES LESS THAN



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 ASSOCIATION

CERTIFIED BY: *Hart Biele*



CHEMEX LABS LTD.

212 BROOKSBANK AVE
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE ~~604-52597~~ 984-0221
 AREA CODE 604
 TELEX 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St., CC. W. Olsson
 Ottawa, Ont.
 K1P 6A9
 ATTN:

CERTIFICATE NO. 48359
 INVOICE NO. 31142
 RECEIVED July 10/79
 ANALYSED July 17/79

AREA NEF WATERS

SAMPLE NO. PPB
 U

PREFIX 42
 2673 1.0
 3170 0.8



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CERTIFIED BY:

Hart Biddle



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE: ~~604-291-1111~~ 984-0221
 AREA CODE: 604
 TELEX: 043-52597

• ANALYTICAL CHEMISTS •GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 48362

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St.,
 Ottawa, Ont.
 K1P 6A9

CC. W. Olsson

INVOICE NO. 31142

RECEIVED July 10/79

ATTN:

AREA NEF ROCKS

ANALYSED July 17/79

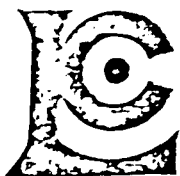
SAMPLE NO.	PPM	
	U	W
PREFIX 22		
1031	9.5	1
1032	10.5	1
1033	10.5	3
1034	3.5	1
1035	9.0	1
1573	4.0	1
1574	0.5	9
1575	7.5	1
1576	4.0	1
1577	4.5	1
1578	5.0	1
1579	13.5	1
1580	6.5	1
1581	0.5	1
1582	1.0	1
1583	0.5	1
1584	0.5	1
1585	-0.5	1
1586	0.5	1
1587	0.5	1
1588	1.0	1
1596	4.0	1
1597	5.5	1
1598	6.0	1
1599	1.5	1
1600	1.0	1
1601	2.5	1
1602	16.5	1



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 CANADA V7J 2C1
 TELEPHONE: ~~604-291-1111~~ 984-0221
 AREA CODE: 604
 TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 48372

TO: Eldorado Nuclear Ltd.,
 Ste 400 - 255 Albert St.,
 Ottawa, Ont.,

INVOICE NO. 31220

RECEIVED July 10, 1979

ATTN: K1P 6A9

c.c. Whitehorse, Y.T.
 PROJECT AREA NEF

ANALYSED July 20, 1979

SAMPLE NO. :	PPM
PREFIX 40	U
1034	4.5
1035	135
1119	0.5
22 12	0.5
22 13	1.0
22 14	0.5
22 15	1.0
22 16	1.0
22 17	0.5
22 18	3.0
22 19	1.5
2220	0.5
2221	0.5
2222	0.5
2223	0.5
2224	4.0
2225	4.5
2226	1.0
2227	0.5
2228	2.0
2229	2.0
2230	0.5
2231	1.5
2232	2.0
2233	1.0
2234	0.5
2235	1.0
2236	1.5
2237	4.0
2238	1.5
2239	1.0
2240	+400
2241	3.0
2242	3.0
2243	1.0
2244	17.0
2245	1.0
2246	3.0
2247	3.5
2248	1.5



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NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE: ██████████ 984-0221
 AREA CODE: 604
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
 Ste 400 - 255 Albert St.,
 Ottawa, Ont.,
 K1P 6A9

AREA NEF
 c.c. Whitehorse, Y.T.

CERTIFICATE NO. 48373
 INVOICE NO. 31220
 RECEIVED July 10, 1979
 ANALYSED July 20, 1979

SAMPLE NO. :	PPM	
U		
PREFIX 40		
2249	4.0	
2250	1.5	
2251	+400	623
2252	9.5	
2253	3.0	
2254	2.5	
2255	2.0	NSS
2256	+400	
2257	6.0	
2258	3.0	
2259	1.5	
2260	1.0	
2260	0.5	
2262	1.0	
2263	19.5	
2264	2.5	
2265	2.5	
2266	3.0	
2267	1.5	
2268	1.5	
2269	+400	2650
2270	98	
2271	1.5	
2272	1.5	
2273	0.5	
2274	0.5	
2275	0.5	
2276	1.0	
2277	0.5	
2278	3.5	
2279	2.0	
2280	2.0	
2281	2.0	
2282	1.0	
2283	1.0	
2284	43	
2285	46	
2286	0.5	
2287	0.5	
2288	110	



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CANADA V7J 2C1
 TELEPHONE: 984-0221
 AREA CODE: 604
 TELEX: 043:52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 48374
 INVOICE NO. 31220
 RECEIVED July 10, 1979
 ANALYSED July 20, 1979

TO: Eldorado Nuclear Ltd.,
 Ste 400 - 255 Albert St.,
 Ottawa, Ont.

ATTN: KLP 6A9

PROJECT AREA NEF
 c.c. Whitehorse, Y.T.

SAMPLE NO. :	PPM
	U
PREFIX 40	
2289	0.5
2290	0.5
2291	0.5
2296	1.5
2298	3.0
2294	3.0
2295	13.0
2296	3.5
2636	1.0
2637	1.0
2638	1.5
2639	6.0
2640	3.0
2641	5.0
2642	4.0
2643	3.0
2644	4.0
2645	3.0
2646	1.5
2647	7.5
2648	4.5
2649	4.5
2650	4.5
2651	3.5
2652	-0.5
2653	-0.5
2654	0.5
2655	1.0
2656	0.5
2657	1.0
2658	1.0
2659	2.5
2660	-0.5
2661	-0.5
2662	0.5
2663	-0.5
2664	0.5
2665	1.0
2666	0.5
2667	0.5



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CANADA V7J 2C1
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 AREA CODE: 604
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ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 48375

TO: Eldorado Nuclear Ltd.,
 Ste 400 - 255 Albert St.,
 Ottawa, Ont.,

INVOICE NO. 31220
 RECEIVED July 10, 1979
 ANALYSED July 20, 1979

ATTN: K1P 6A9

PROJECT AREA NEF
 c.c. Whitehorse, Y.T.

SAMPLE NO. :	PPM
U	
PREFIX 40	
2668	0.5
2669	0.5
2670	0.5
2671	0.5
2672	1.5
2673	1.0
2674	0.5
2675	1.0
2676	3.0
2677	1.5
2678	1.0
2679	26
2680	1.0
2681	18.0
2682	2.5
2683	+400
2684	11.0
2685	15.0
2686	2.0
2687	3.5
2688	1.5
2689	4.5
2690	2.0
2691	-0.5
2692	-0.5
2693	0.5
2694	0.5
2695	0.5
2696	1.0
2697	1.5
2698	3.0
2699	31
2700	32
2701	15.5
2702	20.0
2703	2.0
2704	1.0
2705	1.5
2706	2.0
2707	5.5



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CANADA V7J 2C1
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ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 48376

TO: Eldorado Nuclear Ltd.,
 Ste 400 - 255 Albert St.,
 Ottawa, Ont.,

INVOICE NO. 31220

RECEIVED July 10, 1979

ATTN: KIP 6A9

PROJECT AREA NEF
 c.c. Whitehorse, Y.T.

ANALYSED July 20, 1979

SAMPLE NO. :	PPM
	U
PREFIX 40	
2708	1.0
2709	1.0
2710	2.0
2711	1.5
2712	4.0
2713	5.0
2714	1.5
2715	3.0
2716	22.5
2717	4.0
2718	5.5
2719	5.0
2720	4.0
2721	1.0
2722	1.0
2723	4.5
2724	6.0
2725	3.5
2726	14.0
2727	1.0
2728	0.5
2729	4.0
2730	3.0
2731	1.0
2732	5.5
2733	2.5
3096	3.5
3097	3.0
3098	0.5
3099	2.0
3100	2.0
3101	7.5
3102	2.5
3103	1.5
3104	2.0
3105	2.0
3106	3.0
3107	3.5
3108	1.0
3109	3.0



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CANADA V73 201
 TELEPHONE: 984-0221
 AREA CODE: 604
 TELEX 043-52597

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 48377

TO: Eldorado Nuclear Ltd.,
 Ste 400 - 255 Albert St.,
 Ottawa, Ont.,
 K1P 6A9

INVOICE NO. 31220

RECEIVED July 10, 1979

ATTN:

PROJECT AREA NEF
 c.c. Whitehorse, Y.T.

ANALYSED July 20, 1979

SAMPLE NO. :	PPM
PREFIX 40 U	
3110	1.5
3111	3.5
3112	12.0
3113	4.0
3114	6.0
3115	4.5
3116	1.0
3117	1.5
3118	10.0
3119	3.0
3120	2.0
3121	1.5
3122	6.0
3123	2.0
3124	3.0
3125	2.0
3126	6.5
3127	5.0
3128	0.5
3129	2.5
3130	1.5
3131	2.0
3132	0.5
3133	6.0
3134	1.0
3135	3.5
3136	1.0
3137	4.0
3138	2.0
3139	1.5
3140	2.0
3141	2.0
3142	0.5
3143	-0.5
3144	-0.5
3145	0.5
3146	4.5
3147	5.5
3148	2.5
3149	2.0



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CANADA V7J 2C1
 TELEPHONE 984-0221
 AREA CODE: 604
 TELEX 043 52597

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 48378

TO: Eldorado Nuclear Ltd.,
 Ste 400 - 255 Albert St.,
 Ottawa, Ont.,

INVOICE NO. 31220

RECEIVED July 10, 1979

ATTN: KLP 6A9

PROJECT AREA NEF
 c.c. Whitehorse, Y.T.

ANALYSED July 20, 1979

SAMPLE NO. :	PPM
U	
PREFIX 40	
3150	1.5
3151	2.0
3152	4.0
3153	1.5
3154	3.5
3155	4.0
3156	2.5
3157	2.5
3158	4.0
3159	3.0
3160	0.5
3161	0.5
3162	6.0
3163	4.0
3164	5.5
3165	4.0
3166	6.5
3167	55
3168	0.5
3169	6.5
3171	1.0
3172	7.5
3173	0.5
3174	4.0
3175	4.0
3176	-0.5
3177	-0.5
3178	3.5
3179	3.5
3180	2.5
3181	-0.5
3182	0.5
3183	1.0
3184	1.5
3185	1.0
3186	0.5
3678	4.0
8679	1.5
3680	3.5
3681	9.0



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 ASSOCIATION

CERTIFIED BY:

Hart Bickle



CHEMEX LABS LTD.

CANADA V7J 7C1
 TELEPHONE: 524-1971 984-0221
 AREA CODE: 604
 TELEX: 043-52597

(ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 48379

TO: Eldorado Nuclear Ltd.,
 Ste 400 - 255 Albert St.,
 Ottawa, Ont.,

INVOICE NO. 31220

RECEIVED July 10, 1979

ATTN: KLP 6A9

PROJECT AREA NEF
 c.c. Whitehorse, Y.T.

ANALYSED July 20, 1979

SAMPLE NO. :	PPM
U	
PREFIX 40	
3682	20.0
3683	15.5
3684	0.5
3685	0.5
3686	-0.5
3687	1.0
3688	0.5
3689	-0.5
3690	0.5
3691	66
3692	4.0
3693	5.5
3694	2.5
3695	2.5
3696	5.0
3697	1.0
3698	1.0
3699	3.5
3700	1.5
3701	3.5
3702	4.0
3703	7.5
3704	2.0
3705	1.0
3706	2.0
3707	2.0
3708	3.5
3709	1.5
3710	4.5
3711	10.0
3712	4.00
3713	3.0
3714	1.0
3715	5.5
3716	4.0
3717	1.5
3720	4.0
3721	2.5
3722	1.5
3723	2.0



MEMBER
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 ASSOCIATION

CERTIFIED BY:

Hart Biddle



CHEMEX LABS LTD.

CANADA V7J 2C1
 TELEPHONE: 984-0221
 AREA CODE: 604
 TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 48380

TO: Eldorado Nuclear Ltd.,
 Ste 400 - 255 Albert St.,
 Ottawa, Ont.,

INVOICE NO. 31220
 RECEIVED July 10, 1979

ATTN: KLP 6A9

PROJECT AREA NEF
 c.c. Whitehorse, Y.T.

ANALYSED July 20, 1979

SAMPLE NO. :	PPM
U	
PREFIX 40	
3724	2.0
3725	4.0
3726	1.0
3727	1.5
3728	1.5
3729	0.5
3730	2.0
3731	0.5
3732	1.0
3733	1.0
3734	2.0
3735	5.0
3736	2.0
3737	3.0
3738	2.0
3739	4.0
3740	2.75
3741	3.0
3742	2.0
3743	3.5
3744	4.5
3745	2.0
3746	2.0
3747	2.0
3748	2.0
3749	0.5
3750	1.0
3751	1.5
3752	2.0
3753	1.5
3754	75
3755	2.5
3758	1.5
3759	3.5
3760	31
3761	5.5
3762	4.5
3763	3.0
3764	2.5
3765	1.0



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212 BROOKSBANK AVE.
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 CANADA V7J 2C1
 TELEPHONE: [REDACTED] 984-0221
 AREA CODE: 604
 TELEX: 043-52597

•ANALYTICAL CHEMISTS •GEOCHEMISTS •REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 48381

TO: Eldorado Nuclear Ltd.,
 400 - 255 Albert St.,
 Ottawa, Ont.,
 K1P 6A9

INVOICE NO. 31334

RECEIVED July 10, 1979

ATTN:

AREA - NEF
 c.c. Whitehorse, Y.T.

ANALYSED July 25, 1979

SAMPLE NO. :	PPM
	U
40 - 3766	340
3767	8.5
3768	2.0
3769	1.5
3770	0.5
3771	1.5
3772	1.5
3773	1.0
3774	1.0
3775	2.0
3776	61
3777	2.5
3778	2.0
3779	2.5
3780	3.0
3781	4.5
3782	2.0
3783	2.0
3784	2.0
3785	8.0
3788	2.5
3789	1.0
3790	2.0
3791	1.5
3792	1.0
3793	1.0
3794	1.5
3796	260
3796	35
3797	3.0
3798	4.0
3799	2.5
3800	1.0
3801	2.0
3802	6.0
3803	1.5
3804	1.0
3805	1.5
3806	1.0
40 - 3807	2.0



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 TELEPHONE: [REDACTED] 964-0221
 AREA CODE: 604
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
 Ste. 400 255 Albert St.,
 Ottawa, Ont.

CERTIFICATE NO. 48382

INVOICE NO. 31250

RECEIVED July 10/79

KLP 6A9

ANALYSED July 23/79

ATTN: Area-Nef-Soil

CC. W. Olsson

SAMPLE NO. :	PPM
	U
40 - 3808	2.0
3809	1.5
3810	1.0
3813	1.0
3814	2.5
3815	260
3816	2.5
3817	1.0
3818	3.5
3819	1.0
3820	3.0
3821	14.0
3822	8.0
3823	1.0
3824	1.5
3825	2.0
3826	2.5
3827	1.0
3828	1.0
3829	1.5
3830	1.5
3831	1.0
3832	240
3837	3.5
3838	1.0
3839	1.0
3840	5.0
3841	0.5
3842	0.5
3843	< 0.5
3844	1.0
3845	0.5
3846	0.5
3847	0.5
3848	5.0
3849	0.5
3851	< 0.5
3852	0.5
3853	25
40 - 3854	0.5



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212 BROOKSBANK AVE.
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 CANADA V7J 2C1
 TELEPHONE: ██████████ 984-0221
 AREA CODE: 604
 TELEX: 043-52597

•ANALYTICAL CHEMISTS •GEOCHEMISTS •REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 48383
 INVOICE NO. 31250
 RECEIVED July 10/79
 ANALYSED July 23/79

TO: Eldorado Nuclear Ltd.,
 Ste. 400 255 Albert St.,
 Ottawa, Ont.
 K1P 6A9

ATTN: Area-Nef-Soil CC. W. Olsson

SAMPLE NO. :	PPM
	II
40 - 3855	0.5
3856	< 0.5
3857	1.0
3858	1.5
3860	1.0
4161	0.5
4162	1.0
4163	1.5
4164	4.5
4165	1.0
4242	2.5
4243	1.0
4244	2.0
4245	2.0
4246	0.5
4247	1.0
4248	2.5
4249	0.5
4250	1.0
4283	1.5
4284	2.5
4285	1.0
4286	5.5
4287	6.5
4288	5.0
4289	12.0
4290	3.5
4291	3.0
4292	2.5
4293	1.5
4294	6.5
4295	9.5
4296	8.0
4297	1.5
4298	3.0
4299	2.0
4300	2.5
4301	5.0
4302	3.0
40 - 4303	2.0



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CHEMEX LABS LTD.

212 BROOKSBANK AVE.
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE: 985-0648
 AREA CODE: ~~604~~ 884-0221
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
 Ste. 400 255 Albert St.,
 Ottawa, Ont.
 K1P 6A9

CC. W. Olsson

CERTIFICATE NO. 48384
 INVOICE NO. 31250
 RECEIVED July 10/79
 ANALYSED July 23/79

SAMPLE NO. :	PPM
	U
40 - 4304	5.5
4305	2.5
4306	4.0
4307	5.0
4308	2.5
4309	3.0
4311	2.5
4312	2.0
4313	2.5
4314	4.5
4315	4.5
4316	4.5
4317	3.5
4318	5.0
4319	10.0
4320	5.5
4321	3.5
4322	18.5
4323	3.0
4324	6.5
4325	6.0
4326	9.0
4327	26
4328	8.0
4329	12.0
4330	2.5
4331	33
4332	7.0
4333	2.5
4334	2.5
4335	0.5
4336	1.0
4337	1.0
4338	2.0
4339	27
4340	5.0
4341	4.5
4342	3.0
4343	1.5
40 - 4344	8.5



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212 BROOKSBANK AVE.
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 CANADA V7J 2C1
 TELEPHONE: ██████████ 984-0221
 AREA CODE: 604
 TELEX: 043-52597

••ANALYTICAL CHEMISTS ••GEOCHEMISTS ••REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
 400 - 255 Albert St.,
 Ottawa, Ont.,
 K1P 6A9
 ATTN:

c.c. Whitehorse
 AREA NEF

CERTIFICATE NO. 48385
 INVOICE NO. 31273
 RECEIVED July 10, 1979
 ANALYSED July 23, 1979

SAMPLE NO. :	PPM
	U
40 - 4345	3.0
4346	12.0
4347	2.5
4348	2.0
4349	2.5
4350	3.0
4351	7.0
4352	1.5
4353	1.5
4354	2.0
4355	2.0
4356	1.0
4357	1.0
4358	4.0
4359	3.5
4360	4.0
4361	2.0
4362	1.0
4363	2.5
4364	1.5
4365	4.0
4366	5.0
4367	0.5
4368	0.5
4369	1.0
4370	1.5
4371	15.0
4372	6.0
4373	1.5
4374	1.5
4375	0.5
4376	2.5
6442	0.5
4643	1.5
4644	1.5
4645	1.0
4646	1.0
4647	1.0
4648	1.0
40- 4649	2.5



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212 BROOKSBANK AVE.
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 TELEPHONE: [REDACTED] 984-0221
 AREA CODE: 604
 TELEX: 043-52597

••ANALYTICAL CHEMISTS • GEOCHEMISTS •• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
 400 - 255 Albert St.,
 Ottawa, Ont.

CERTIFICATE NO. 48386
 INVOICE NO. 31307
 RECEIVED July 10, 1979
 ANALYSED July 24, 1979

ATTN: ^{R6A9} AREA NEF
 c.c. Whitehorse, Y.T.

SAMPLE NO. :	PPM
	U
40 - 4650	5.0
4651	2.0
4652	1.5
4653	1.5
4654	1.5
4655	1.5
4656	0.5
4657	3.0
4658	1.5
4659	1.0
4660	1.5
4661	1.0
4662	1.5
4663	0.5
4664	0.5
4665	3.0
4666	2.0
4667	0.5
4668	1.5
4669	0.5
4670	0.5
4671	3.5
4672	5.5
4673	2.0
4674	3.5
4675	4.0
4676	2.0
4678A	2.0
4678B	0.5
4679	0.5
4680	0.5
4681	1.0
4682	1.0
4683	0.5
4684	2.0
4685	0.5
4686	<0.5
4687	0.5
40 - 4688	<0.5



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212 BROOKSBANK AVE.
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE: 984-0221
 AREA CODE: 604
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St.,
 Ottawa, Ont.
 K1P 6A9

CC. W. Olsson

CERTIFICATE NO. 48387
 INVOICE NO. 31142
 RECEIVED July 10/79
 ANALYSED July 17/79

ATTN: AREA NEF SOIL

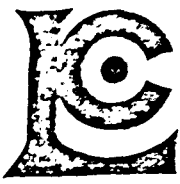
SAMPLE NO. :	PPM
U	
PREFIX 40	
4689	1.0
4690	1.0
4691	1.0
4692	1.0
4693	1.0
4694	1.5
4695	3.5
4696	3.5
4697	6.0
4698	20.5
4699	6.0
4700	2.0
4701	1.5
4702	105
4703	180
4704	35
4705	2.0
4706	300
4707	280
4708	97
4709	220
4710	4.0
4711	3.5
4712	3.5
4713	3.5
4714	0.5
4715	1.0
4716	1.0
4717	0.5
4718	0.5
4719	0.5
4720	1.0
4721	1.0
4722	1.0
4723	1.0
4724	0.5
4725	0.5
4726	4.0
4727	1.5
4728	3.0



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 ASSOCIATION

CERTIFIED BY:

Hart Bielle



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE: ~~604-271-1111~~ 984-0221
 AREA CODE: 604
 TELEX: 043-52597

- ANALYTICAL CHEMISTS
- GEOCHEMISTS
- REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St.,
 Ottawa, Ont.
 K1P 6A9

CC. W. Olsson

ATTN:

AREA NEF SOILS

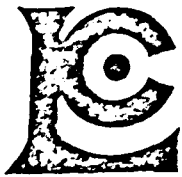
CERTIFICATE NO. 48388
 INVOICE NO. 31142
 RECEIVED July 10/79
 ANALYSED July 17/79

SAMPLE NO. :	PPM
U	
PREFIX 40	
4729	1.0
4732	2.5
4733	2.0
4734	2.5
4735	1.0
4736	0.5
4737	1.0
4738	0.5
4739	1.0
4740	0.5
4741	0.5
4743	2.0
4744	2.5
4745	1.0
4746	1.0
4747	0.5
4748	0.5
4749	1.0
4750	0.5
4751	0.5
4752	1.0
4753	0.5
4754	0.5



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212 BROOKSBANK AVE
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE 984-0221
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
Ste. 400 - 255 Albert St.,
Ottawa, Ont.
K1P 6A9

CC. W. Olsson

ATTN:

AREA NEF SILT

CERTIFICATE NO. 48389

INVOICE NO. 31142

RECEIVED July 10/79

ANALYSED July 17/79

PPM	
SAMPLE NO. :	U
PREFIX 41	
1140	2.0
26 73	2.0



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212 BROOKSBANK AVE.
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 TELEPHONE: [REDACTED] 984-0221
 AREA CODE: 604
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 48396

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St.,
 Ottawa, Ontario K1P 6A9 Heavy Mineral Separation

INVOICE NO. 31739

RECEIVED July 10/79

ATTN: PROJECT: Area - Nef - H.M. CC: Olsson

ANALYSED Aug. 9/79

SAMPLE NO. :	PPM Pb	PPM W	PPM Sn	PPM U	PPM Th
44- 1635	16	2	4	200	
44- 1636	22	12	3	60	



CERTIFIED BY: *Hart Biddle*



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE: ~~604-271-1111~~ 984-0221
 AREA CODE: 604
 TELEX: 043-52597

• ANALYTICAL CHEMISTS ••GEOCHEMISTS •• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St.,
 Ottawa, Ontario K1P 6A9

Heavy Mineral Separation

CERTIFICATE NO. 48397
 INVOICE NO. Th-31739
 RECEIVED July 10/79
 ANALYSED Aug. 9/79

ATTN: PROJECT: Area - 3-2 Many - H.M.

CC: Olsson

SAMPLE NO. :	PPM Pb	PPM W	PPM Sn	PPM U	PPM Th (N.A.)
44- 1633	72	45	4	620	250
44- 1634	18	14	3	16.5	37



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212 BROOKSBANK AVE.
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 CANADA V7J 2C1
 TELEPHONE: ██████████ 984-0221
 AREA CODE: 604
 TELEX: 043-52597

♦ ANALYTICAL CHEMISTS ♦ GEOCHEMISTS ♦ REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 48398

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St.,
 Ottawa, Ontario K1P 6A9

INVOICE NO. Th-31739

Heavy Mineral Separation

RECEIVED July 10/79

ATTN: PROJECT: Area - J7A - H.M.

CC: Olsson

ANALYSED Aug. 9/79

SAMPLE NO. :	PPM U	PPM W	PPM Sn	PPM Th (N.A.)
44- 1044	15.5	30	215	160 ✓
1045	1.5	10	2	40 ✓
1046	62	175	340	110 ✓
4255	54	1	110	320 ✓
4257	132	40	920	640 ✓
4273	272	28	380	430
4274	128	14	110	300
4276	116	55	235	380
4278	132	85	NSS	NSS
4279	46	35	780	570
4281	30	40	1500	390
44- 4282	2.5	12	120	39



MEMBER
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 ASSOCIATION

CERTIFIED BY:

Hart Bickle



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: ~~683-8743~~ 984-0221
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 48399

TO: Eldorado Nuclear Ltd.,
Ste. 400 - 255 Albert St.,
Ottawa, Ontario K1P 6A9

INVOICE NO. Th-31739

Heavy Mineral Separation

RECEIVED July 10/79

ATTN: PROJECT: Area - Hasc - H.M.

CC: Olsson

ANALYSED Aug. 9/79

SAMPLE NO. :	PPM Pb	PPM W	PPM Sn	PPM U	PPM Th (N.A.)
44- 1061	10	7	2	7.5	31
1062	6	3	1	8.5	14
1063	10	1	2	3.1	22
1064	12	1	1	21.0	21
1065	2	8	1	2.5	13
1066	2	45	1	2.0	14
44- 1067	16	2	2	4.0	88



CERTIFIED BY: *Hart Biddle*



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE: 984-0221 084-0221
 AREA CODE: 604
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 48400

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St.,
 Ottawa, Ontario K1P 6A9

INVOICE NO. Th-31739

Heavy Mineral Separation

RECEIVED July 10/79

ATTN: PROJECT: Area - J7-A - H.M.

CC: Olsson

ANALYSED Aug. 9/79

SAMPLE NO. :	PPM	PPM	PPM	PPM	PPM
	Pb	W	Sn	U	Th (N.A.)
44- 4275	460	40	140	52	270
44- 4277	252	30	250	106	330



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CERTIFIED BY: *Hart Biddle*



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [REDACTED] 984-0221
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS •• GEOCHEMISTS •• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Eldorado Nuclear Ltd.,
Ste. 400 - 255 Albert St.,
Ottawa, Ontario K1P 6A9 Heavy mineral separation

CERTIFICATE NO. 48407

INVOICE NO. Th-31739

RECEIVED July 10/79

ANALYSED Aug. 9/79

ATTN: PROJECT: Area - J7-A - H.M. CC: Olsson

SAMPLE NO. :	PPM Sb	PPM W	PPM Sn	PPM U	PPM Th (N.A.)
44- 1068	0.2	40	372	112	310
44- 1069	2.0	95	125	33	260



MEMBER
CANADIAN TESTING
ASSOCIATION

CERTIFIED BY: Hart Biddle



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE: 895-0548
 AREA CODE: 604 984-0221
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO: 48408

TO: Eldorado Nuclear Ltd.,
 Ste. 400 - 255 Albert St.,
 Ottawa, Ontario K1P 6A9

INVOICE NO. Th-31739

RECEIVED July 10/79

Heavy mineral separation

ANALYSED Aug. 9/79

ATTN: PROJECT: Area - G8-A - H.M.

CC: Olsson

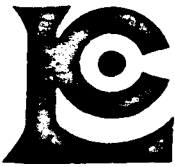
SAMPLE NO. :	PPM Sb	PPM W	PPM Sn	PPM U	PPM Th (N.A.)
44- 1079	1.8	16	1	4.5	13
1080	0.1	500	3	4.5	8
1081	0.1	150	84	9.0	370
1082	0.2	20	210	42	300
1083	0.1	175	250	11.0	280
1091	0.1	175	280	9.0	420
1092	0.1	35	88	12.0	110
1093	0.1	45	72	14.5	55
1094	0.1	50	150	23.0	330
1095	0.1	500	380	26	510
1096	0.1	30	77	11.5	210
1097	0.1	100	54	18.5	340
1098	0.1	45	110	33	250
44- 1099	0.1	30	69	4.5	890



MEMBER
 CANADIAN TESTING
 ASSOCIATION

CERTIFIED BY:

Hart Biddle



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE: 984-0221
 AREA CODE: 604
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 50820

TO: Eldorado Nuclear Mines Ltd.,
 255 - 400 Albert St.,
 Ottawa, Ont.

INVOICE NO. 33227 (U)
 RECEIVED 34011 (Th)
 September 22, 1979

ATTN: K1P 6A9 "ROCKS"
 AREA HASL - ROCK

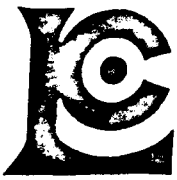
ANALYSED Nov. 26/79

SAMPLE NO. :	PPM	PPM
	U	Th
22 - 2167	5.0	28
2168	3.0	20
2169	3.0	29
2170	3.5	27
2172	5.5	28
2173	3.0	32
2175	5.5	34
2176	4.5	14
2177	2.5	28
2178	1.5	29
2179	1.0	25
2180	3.0	33
3020	7.5	36
3021	3.0	29
3022	3.0	32
3023	3.5	30
3024	2.0	18
3025	3.0	41
3026	1.0	18
3027	5.0	31
3028	2.5	28
3029	1.5	21
3030	8.5	21
3031	1.0	20
3032	1.5	39
3033	3.5	33
3034	2.0	28
3035	2.0	37
3036	2.0	26
3037	2.5	11
3038	4.5	18
3039	2.0	25
3040	2.5	34
3041	3.0	27
3042	4.0	26
3043	3.0	38
3044	2.5	19
3045	1.5	16
3046	7.0	23
22 - 3047	3.0	22



MEMBER
 CANADIAN TESTING
 ASSOCIATION

CERTIFIED BY: *J. F. [Signature]*



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. 65517

TO: Eldorado Nuclear Ltd.,
Ste 400 - 255 Albert St.,
Ottawa, Ont.
ATTN: KIP 6A9

INVOICE NO. 31202

C.C. Whitehorse, Y.T.
NEF - SOILS

RECEIVED July 6, 1979

ANALYSED July 19, 1979

Table with columns for SAMPLE NO. and PPM. Row 1: 40 - 3003, 882. Note: From Geochem certificate #47884.



MEMBER
CANADIAN TESTING
ASSOCIATION

Handwritten signature: B.L. Swaites

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [REDACTED] 984-0221
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

TO: Eldorado Nuclear Ltd.,
Ste. 400 - 255 Albert St.,
Ottawa, Ont.
K1P 6A9

CC. W. Olsson

ATTN:

NEF - Soil

CERTIFICATE NO. 65591
INVOICE NO. 31239
RECEIVED July 13/79
ANALYSED July 20/79

SAMPLE NO. :	PPM	Originally Cert. #48046
	U	
40 - 3063	560	
40 - 3064	873	



MEMBER
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ASSOCIATION

R. Swate

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE: ██████████ 984-0221
 AREA CODE: 604
 TELEX: 043-52597

•ANALYTICAL CHEMISTS •GEOCHEMISTS •REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

CERTIFICATE NO. 65710

TO: Eldorado Nuclear Ltd.,
 400 - 255 Albert St.,
 Ottawa, Ont.,

INVOICE NO. 31466

RECEIVED July 25, 1979

ATTN: KIP 6A9
 Mr. W. Olsson

c.c. Whitehorse
 PROJECT AREA-NEF-SOIL

ANALYSED July 30, 1979

SAMPLE NO. :	PPM	
	U	
40 - 2240	560	From Geochem Cert #48372, 48373, 48375, 48379
40 - 2251	623	
40 - 2256	NSS	
40 - 2269	2650	
40 - 4683	343	
40 - 3712	382	



MEMBER
 CANADIAN TESTING
 ASSOCIATION

Ken Amadio

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE: [REDACTED] 984-0221
 AREA CODE: 604
 TELEX: 043-52597

- ANALYTICAL CHEMISTS
- GEOCHEMISTS
- REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

TO: Eldorado Nuclear Ltd.,
 400 - 255 Albert St.,
 Ottawa, Ont.,
 K1P 6A9

ATTN: Mr. W. Olsson

c.c. Whitehorse
 PROJECT AREA-NEF-SOIL

CERTIFICATE NO. 65710
 INVOICE NO. 31466
 RECEIVED July 25, 1979
 ANALYSED July 30, 1979

SAMPLE NO. :	PPM	
	U	
40 - 2240	560	From Geochem Cert #48372, 48373, 48375, 48379
40 - 2251	623	
40 - 2256	625 NSS	
40 - 2269	2650	
40 - 4683	343	
40 - 3712	382	

[Handwritten signature]



MAPS TO ACCOMPANY THE
ASSESSMENT REPORT
ON NEF MINERAL CLAIMS 1979

This report has been examined by the
Geological Evaluation Unit and is recom-
mended to the Commissioner to be consid-
ered as representation work in the amount of

\$ 29,100.00

Resident Geologist or
Resident Mining Engineer

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

Commissioner of Yukon Territory

090656



Figure 3
 ELDERADO NUCLEAR LIMITED
 PROJECT 522
 NEF CLAIMS
 GEOLOGY
 SCALE 1:5000
 100 50 0 100 200 m
 1979



NEF CLAIMS GRID LOCATION MAP
 SCALE 1:50,000

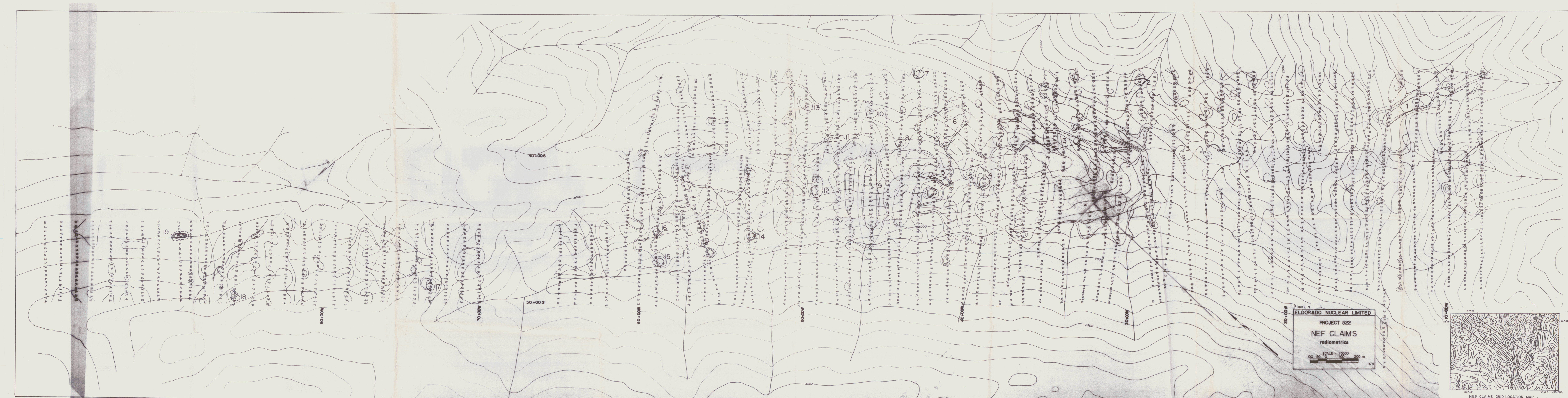


Figure 4
ELDORADO NUCLEAR LIMITED
PROJECT 522
NEF CLAIMS
radiometrics
 SCALE = 1:5000
 100 50 0 100 200 m
 1979



NEF CLAIMS GRID LOCATION MAP
 SCALE 1:50,000

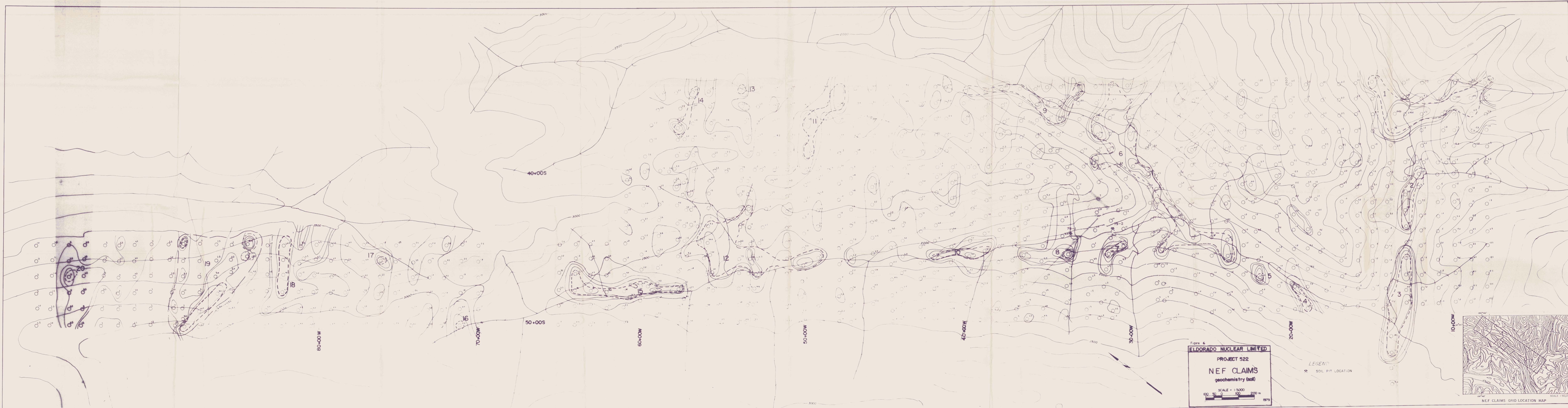


Figure 6
ELDORADO NUCLEAR LIMITED
 PROJECT 522
NEF CLAIMS
 geochemistry (soil)
 SCALE = 1:5000
 100 0 100 200 m
 1979

LEGEND
 ✕ SOIL PIT LOCATION

