GEOLOGIC AND GEOCHEMICAL REPORT ON THE AL 4-5, LEO 4-5, AND CH 4 MINERAL CLAIMS

Greenwood Mining Division
NTS 82E/10W E

Claims	:	AL 4-5, LEO 4-5, CH 4
Location	:	Latitude 49°45'
		Longitude 118°36'
Owner	:	Kelvin Energy Ltd.
Operator	:	Kelvin Energy Ltd.

By: Louis Bell
Kelvin Energy Ltd.
March, 1980

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INTRODUCTION

General Statement

The AL 4-5, LEO 4-5, and CH 4 mineral claims were geologically mapped, prospected, and geochemically sampled by Kelvin Energy Ltd. personnel during the periods August 3-11, August 13-15, and September 23-25, 1979. This exploration work was concentrated primarily on an evaluation of the potential of the claims for hosting uranium mineralization of the paleochannel (Blizzard) and intrusive related (Midnite) types. Geochemical samples were routinely run for copper, molybdenum, lead, zinc, and silver, as well as for uranium, in the event that porphyry type copper and/or molybdenum mineralization might be present in the project area.

The results of this exploration work are presented and discussed in this report.

Location and Access

The claims are located (Figure 1) approximately 55 kilometers east-southeast of Kelowna, B.C. The approximate co-ordinates of the centre of the claim group are: latitude 49°45', longitude 118°36'. Access to the claims is by helicopter from Vernon or Kelowna.

Topography

The AL 4-5 and CH 4 claims cover the north and south banks of Goatskin Creek, while the LEO 4 and 5 claims cover a relatively flat peneplained area. Maximum relief is 650 meters. All of the claims are heavily forested and outcrop covers $<10\%$ of the land surface.

Claims

The property consists of the following claims:

Claim	Number of Units	Record Number	Record Date
AL 4	16	994	February 13,1978
AL 5	20	969	" "
CH 4	20	968	" "
LEO 4	20	993	" "
LEO 5	20	970	" "

The claims are owned by Kelvin Energy Ltd. of 434, 550 - 6th Avenue S.W, Calgary, Alberta T2P OS2.

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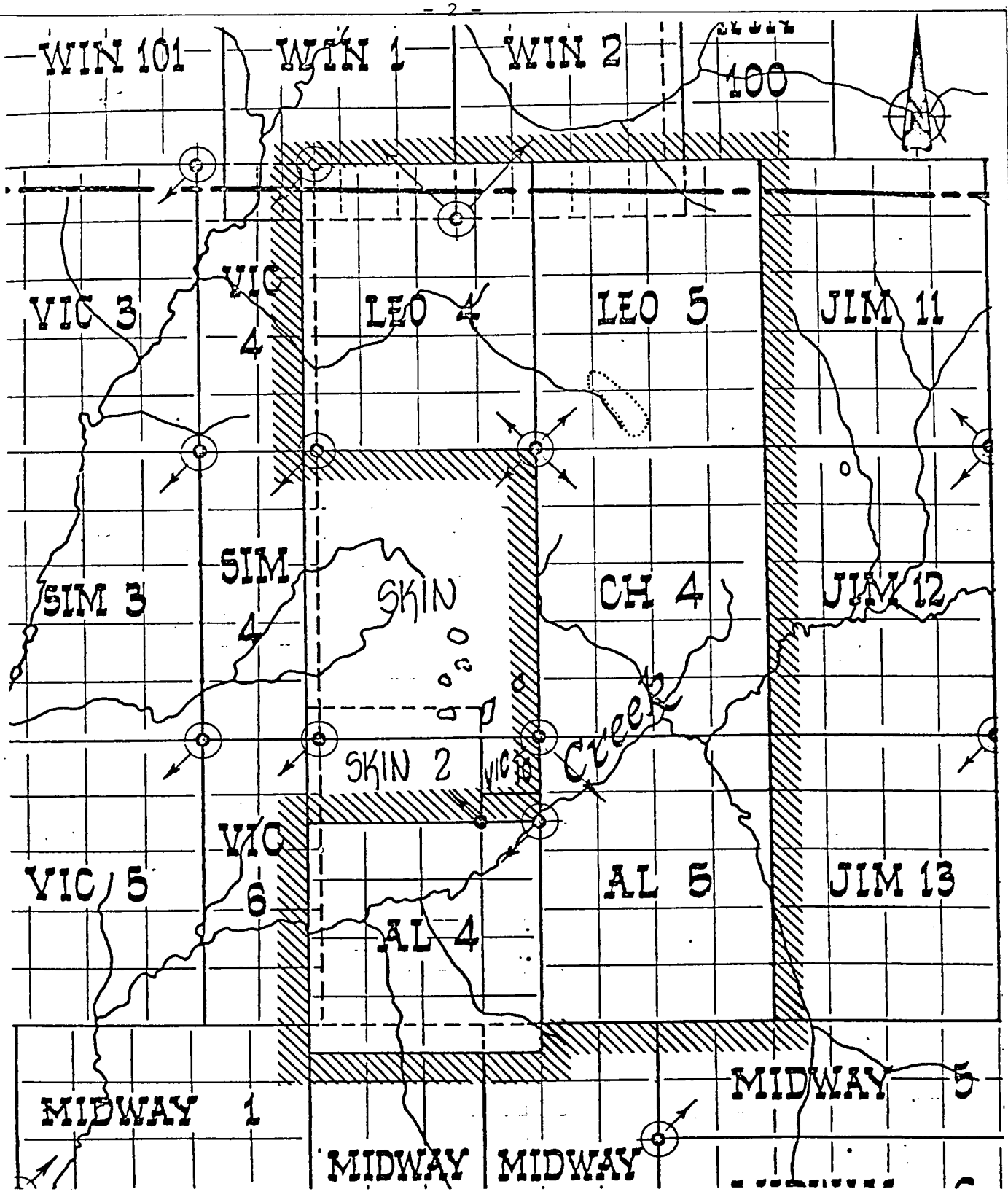

KELVIN ENERGY LTD		
LOCATION MAP FOR AL4, AL5, CH4, LEO 4, LEO 5 CLAIMS		
FIGURE 1		
TO ACCOMPANY REPORT BY: L. BELL, A. WHITE	SCALE: 1:50,000	DATE: FEB 1980
	N.T.S. 82E/10	DRAWN BY: L. BELL

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GEOLOGY

Scope of Geologic Mapping and Prospecting Program

Geologic observations were plotted in the field on polyester drafting film overlays attached to British Columbia Government 1:15,840 air photos, and subsequently transferred to a base map of the same scale as the photos (Figure 2). The base map was produced by enlarging 1:50,000 scale topographic map 82E/10. All outcrop areas that are apparent on the photos were examined.

Results of Geologic Mapping and Prospecting Program

The claims were found to be largely underlain by a quartz monzonite that is believed to be part of the Cretaceous Valhalla intrusions. An isolated outcrop of an older diorite of the Nelson intrusions was found within the area underlain by quartz monzonite, and probably represents a roof pendant. Several outcrops of porphyritic quartz monzonite, monzonite, and pegmatitic granite occur on the LEO 5 claim. Porphyritic andesite dykes were observed cutting the intrusives. The eastern edge of a flat lying Tertiary basalt capping overlies the quartz monzonite along the western edge of the CH 4 claim.

Diorite

An isolated outcrop of quartz diorite that is believed to be part of the Nelson intrusions occurs near the eastern boundary of the LEO 5 claim. The rock weathers to a light grey color and has a white fresh surface. The rock is medium grained, subhedral, and consists of 10% quartz, 20% hornblende, 10% biotite, 50% plagioclase, and 10% K-feldspar.

Quartz Monzonite

The quartz monzonite weathers light grey to white and has a white fresh surface. The rock is massive, medium grained, equigranular to inequigranular, and has an estimated modal composition of 15% quartz, 5% hornblende, 10% biotite, 35% plagioclase, and 35% K-feldspar.

Porphyritic Quartz Monzonite

The porphyritic quartz monzonite is similar to the quartz monzonite, except that it consists of 10-50% large K-feldspar phenocrysts up to 5 cm long in a matrix of quartz, plagioclase, K-feldspar, and biotite.

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Monzonite

An isolated outcrop of monzonite occurs in the northeast corner of the LEO 5 claim. The monzonite may be a phase of the Valhalla intrusions or it may be a phase of the younger Coryell intrusions. The rock weathers light pink, has a pink fresh surface and consists of 10% quartz, 40% K-feldspar, 40% plagioclase and 10% biotite.

Pegmatitic Granite

The pegmatitic granite weathers to a pale orange color and has a salmon pink fresh surface. The rock is very coarse grained, equigranular, and consists of 25% quartz, 60% K-feldspar, 10% plagioclase, and 5% biotite, and trace amounts of magnetite and garnet.

Andesite and Porphyritic Andesite

Reddish brown weathering, fine grained, equigranular andesite occurs as an isolated outcrop on the LEO 5 claim, probably as a dyke.

Porphyritic andesites containing 15-25% subhedral feldspar and amphibole phenocrysts in a fine grained groundmass also occur as dykes in the intrusives.

Basalt

Reddish brown weathering basalt occurs on the CH 4 claim as a flat lying, columnar jointed flow overlying quartz monzonite. The basalt is fine grained and locally vesicular and amygdaloidal. Small olivine crystals averaging 1 mm across locally form up to 5% of the rock.

Several narrow, linear, swampy valleys on the LEO 5 claim are believed to represent minor fault zones.

No uranium mineralization or radioactive hot spots were discovered during the prospecting activities, and no base metal mineralization was found.

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GEOCHEMISTRY

Scope of Geochemical Survey

A total of 14 rock chip and 269 soil samples, respectively, were collected on the property (Figure 3) and analyzed for uranium, copper, molybdenum, lead, zinc, and silver.

Data on sample characteristics and environment were routinely recorded for each sample site on standard geochemical sampling forms. Radiometric readings were also taken at each sample site and recorded on the sampling forms.

All samples were submitted to Barringer Magenta Ltd. of Calgary, Alberta for geochemical analysis. Details of digestion and analytical techniques employed by Barringer Magenta Ltd. in analyzing the samples are included in the Appendix of this report.

Results of Geochemical Survey

Because of the small number of samples collected, statistical treatment of the geochemical results was not undertaken, as the results would be misleading. Rather, threshold limits for the soil samples were selected for each element from the results of regional geochemical programs undertaken by Barringer Magenta Ltd. on both these and adjoining mineral claims.

The threshold and anomalous limits for each element are tabulated below:

Soils

	Threshold	First Order Anomalous (ppm)	Second Order Anomalous (ppm)	Third Order Anomalous (ppm)
U	3.0	> 20	9.1 - 20	3.1 - 9.0
Cu	18	> 40	19 - 40	-
Mo	4	> 6	5 - 6	-
Pb	20	> 40	21 - 40	-
Zn	65	> 100	66 - 100	-
Ag	1.0	> 2	1.1 - 2.0	-

1) Uranium (Figure 4)

a) Rock Chips

The fourteen rock chip samples from the quartz monzonite have a range of uranium values from 0.2 to 10 ppm. The majority of these samples have values below the average crustal abundance for uranium of 4 ppm.

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b) Soils

Soil sample uranium contents range from <0.2 to 64.0 ppm U. Only four first order values of >20 ppm are present and they are widely scattered and occur in boggy areas where organic scavenging could produce false anomalies. The anomalous samples do not merit follow-up.

2) Copper (Figure 5)

a) Rock Chips

Copper values for the 14 rock chip samples from the claim group range between 2 and 29 ppm.

b) Soils

The soil samples from the property have a range of copper values between 1 and 48 ppm Cu. Seven of these samples are first order anomalous. A small cluster of first order statistically anomalous copper values occurs in the northeast corner of the LEO 5 claim but the values are too low to merit follow-up.

3) Molybdenum (Figure 6)

a) Rock Chips

Molybdenum contents of the 14 rock chips collected from the property vary from <2 to 8 ppm.

b) Soils

Values range from <2 to 7 ppm, with only one isolated first order anomalous value that does not merit follow-up.

4) Lead (Figure 7)

a) Rock Chips

The soil samples from the property have a range of lead values from <1 to 11 ppm Pb.

b) Soils

Lead contents from soil samples collected on the claims vary from <1 to 24 ppm Pb. These values are too low to be of interest.

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5) Zinc (Figure 8)

a) Rock Chips

The rock chip zinc values were found to vary between 10 and 120 ppm Zn.

b) Soils

The soil samples have zinc contents of between 10 and 120 ppm Zn. Fifteen of the samples are first order anomalous, but because of the very unfavorable geologic environment for uranium mineralization, these anomalies are not believed to merit follow-up.

6) Silver (Figure 9)

a) Rock Chips

Silver values in the rock chips range between <0.2 and 0.5 ppm Ag.

b) Soils

Silver analyses of the soil samples from the claims gave uniformly low values of between <0.2 and 1.7 ppm Ag.

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DISCUSSION OF RESULTS

The LEO 4-5, CH 4, and AL 4-5 mineral claims appear to have a limited potential for hosting uranium mineralization. The portion of the CH 4 claim that is covered by the eastern edge of the basalt capping could possibly host paleochannel type uranium mineralization. Because only a small portion of the basalt capping lies within the claim group, it is doubtful whether an economic uranium deposit could be proven within the claim boundaries. The absence of roof pendants of graphitic or sulphide-bearing metasediments precludes the possibility of discovering a Midnite type uranium deposit.

The base metal potential of the property appears to be quite low.

CONCLUSIONS

1) The LEO 4-5, AL 4-5, and CH 4 claims have no potential for the occurrence of Midnite type uranium mineralization, and only a limited potential for paleochannel type uranium mineralization.

2) The LEO 4-5, AL 4-5, and CH 4 claims have a low potential for hosting copper, lead, zinc, molybdenum, or silver mineralization.

RECOMMENDATIONS

No further work is recommended for the LEO 4-5, AL 4-5, and CH 4 claims, but assessment work should be applied to the claims in the event that future discoveries on nearby claims may indicate a hereto unrecognized mineral potential.

STATEMENT OF EXPENDITURES

	Days	Rate	Charge
A. Personnel:			
Project Geologist			
Office	4	$100	$ 400.00
Field	3	125	375.00
Senior Assistant	10.5	80	840.00
Junior Assistant	17.5	60	1050.00
			$2665.00
B. Personal Subsistance: 31 man days @ $25/man day			775.00
C. Scintillometer Rental: 31 man days @ $8/unit/day			248.00
D. Geochemical Analysis: 293 samples @ $7.50			2197.50
E. Helicopter: 3.95 hrs @ $345/hr			1363.00
F. Airphotos and Maps:			100.00
G. Drafting and Reproduction:			200.00
			$7548.50

APPENDIX I

CERTIFICATE OF QUALIFICATIONS

CERTIFICATE OF QUALIFICATIONS

I, Louis A. Bell, hereby certify that:

1) I am a geologist employed by Kelvin Energy Ltd. of 434, 550 - 6th Avenue S.W, Calgary, Alberta T2P OS2.

2) I graduated from the University of Manitoba with a B.Sc (hons.) in Geology in 1969. I have practised my profession continuously since 1969.

3) Work on the AL 4, AL 5, CH 4, LEO 4 and LEO 5 claims was completed under my direction by E. Swanbergson. I am familiar with the quality of work performed, and am satisfied with the technical quality of this work.

4) I personally examined the claims on August 3, 9 and September 23.

Louis Bell

Louis Bell

L.BELL
KELVIN ENERGY LTD.

APPENDIX II

PERSONNEL EMPLOYED

ON THE

AL 4, AL 5, CH 4, LEO 4, LEO 5

CLAIMS EVALUATION

PERSONNEL EMPLOYED ON MINERAL CLAIMS EVALUATION

a) AL 4, 5, CH 4

PERSONNEL	STATUS	QUALIFICATIONS	DUTIES	DATES ON PROPERTY
Eric Swanbergson	Sr. Assist	B.Sc	Mapping Prospecting	August 3-8 incl.
Laurie Newman	Jr. Assist	Geol.Student	Geochemistry	" "
Chris Niles	" "	" "	"	" "
Louis Bell	Party Chief	B.Sc(hons)	Mapping	August 3

b) LEO 5

PERSONNEL	STATUS	QUALIFICATIONS	DUTIES	DATES ON PROPERTY
Eric Swanbergson	Sr. Assist	B.Sc	Prospecting Mapping	August 9,10,13,14, 15 (1/2 days)
Chris Niles	Jr. Assist	Geol.Student	Geochemistry	August 9,10, 13 (1/2 days)
Laurie Newman	" "	" "	"	August 9,10(1/2 days); August 11
Louis Bell	Party Chief	B.Sc(hons)	Mapping	August 9

c) LEO 4

PERSONNEL	STATUS	QUALIFICATIONS	DUTIES	DATES ON PROPERTY
Eric Swanbergson	Sr.Assist	B.Sc	Mapping Prospecting	Sept 23-4(1/2 days) Sept 25
Geoff Taylor	Jr.Assist	Geol.Student	" "	" "
Louis Bell	Party Chief	B.Sc(hons)	Mapping	September 23

APPENDIX III

ANALYTICAL PROCEDURES

ANALYTICAL PROCEDURES

Stream sediment and soil samples were analyzed at the Barringer Magenta Ltd. laboratory in Calgary, Alberta. The samples were first oven dried at a temperature of 45°C and then sieved through a 80 mesh nylon screen. A .500 gram portion of this was placed in a glass test tube and perchloric acid was added. The test tube was then placed in an aluminum heating jacket and heated for 4 hours. After cooling and diluting to the final volume, the solution then was directly aspirated into a Varian Techtron atomic absorption spectrophotometer and the concentrations of copper, molybdenum,lead, zinc, and silver were read directly in ppm.

The uranium was determined fluorimetrically by using the following procedure. A .250 gram sample was weighed into a glass test tube and 5 ml of metric acid was added. The samples were then digested on a sand bath for 2 1/2 hours. After cooling and diluting to the final volume, an aliquot of solution was pipetted onto a platinum dish and evaporated to dryness. Flux was added to the dish and fused with the sample. After cooling, the dish was then compared with fresh standards using a Jarrell-Ash Fluormeter.

The limits of detections for copper, lead, zinc, silver, molybdenum, and uranium are 1, 1, 1, .2, 1 and .2 ppm respectively.

Rock chip samples were first put through a jaw crusher, pulverizer, and a -200 mesh nylon sieve. A .500 gram portion of the sample was then subjected to the same procedure used to analyze the stream sediment samples.

APPENDIX IV

ANALYTICAL RESULTS

Laboratory Report / 79-580/G287

Sample Number	U ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Ag ppm
ES-279R	< 0.2	4	6	22	< 2	< 0.2
280D	4.4	10	5	44	< 2	< 0.2
281R	1.6	4	3	27	< 2	< 0.2
282D	< 0.2	11	5	51	< 2	< 0.2
283D	1.8	12	12	56	< 2	< 0.2
284R	0.4	3	1	24	< 2	< 0.2
285D	7.8	9	8	47	<2	< 0.2
286D	4.4	14	17	46	< 2	< 0.2
287D	1.0	14	10	32	< 2	< 0.2
288D	0.2	8	5	49	< 2	< 0.2
289D	1.0	12	10	31	< 2	< 0.2
290D	0.6	12	<1	47	< 2	< 0.2
291D	0.4	8	5	45	< 2	< 0.2
292D	6.2	4	2	24	< 2	< 0.2
ES-293D	2.0	8	3	41	< 2	< 0.2
294D	0.4	8	5	58	< 2	< 0.2
295D	4.6	12	9	68	< 2	< 0.2
296D	1.6	4	< 1	20	< 2	< 0.2
297D	1.2	11	8	110	< 2	< 0.2
298D	1.4	8	7	52	< 2	< 0.2
299D	3.8	5	2	28	< 2	< 0.2
300D	< 0.2	7	5	42	< 2	< 0.2
301D	4.0	5	4	27	< 2	< 0.2
LN- 744D	0.8	13	7	25	< 2	< 0.2
745D	1.6	13	8	80	< 2	< 0.2
746R	0.8	15	< 1	50	< 2	< 0.2

Laboratory Report / 79-580/G287

Sample Number	U	Cu	Pb	Zn	Mo	Ag
ES-265D	0.4	9	4	52	< 2	< 0.2
ES-266D	0.2	8	5	43	< 2	< 0.2
267D	0.4	6	2	37	< 2	< 0.2
268D	1.0	10	5	54	< 2	< 0.2
269D	0.6	11	7	50	< 2	< 0.2
270D	2.2	10	5	49	< 2	< 0.2
271R	0.8	29	2	59	< 2	< 0.2
272D	0.6	9	6	42	< 2	< 0.2
310D	< 0.2	12	5	45	< 2	< 0.2
311D	< 0.2	9	5	70	< 2	< 0.2
312D	< 0.2	8	5	45	< 2	< 0.2
313D	0.8	11	6	38	< 2	< 0.2
314D	20	9	3	49	< 2	< 0.2
315R	10.0	11	< 1	120	< 2	< 0.2
316D	8.2	9	4	68	< 2	< 0.2
317D	< 0.2	12	6	61	< 2	< 0.2
318D	< 0.2	17	7	84	< 2	< 0.2
319D	< 0.2	12	6	71	< 2	< 0.2
ES-320R	< 0.2	3	< 1	44	< 2	< 0.2
LN-657D	0.4	11	4	47	2	< 0.2
658D	< 0.2	7	5	53	< 2	< 0.2
659D	0.4	9	4	57	< 2	< 0.2
660D	0.2	7	4	51	< 2	< 0.2
661D	0.2	12	6	45	4	< 0.2
662D	< 0.2	10	6	48	< 2	< 0.2
663D	0.2	8	7	70	< 2	< 0.2
664D	0.6	13	8	73	< 2	< 0.2

Laboratory Report / 79-580/G287

Sample Number	U ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Ag ppm				
LN-667D	0.6	11	7	69	< 2	< 0.2				
LN-676D	0.6	8	6	61	< 2	< 0.2				
677D	0.6	10	7	64	< 2	< 0.2				
678D	1.0	10	7	64	2	< 0.2				
679D	0.4	10	5	74	< 2	< 0.2				
680D	0.4	10	8	82	< 2	< 0.2				
681D	0.4	11	6	69	< 2	< 0.2				
682D	1.6	22	10	84	< 2	< 0.2				
683D	10.4	45	15	79	4	< 0.2				
684D	12.4	45	14	120	4	< 0.2				
685D	1.2	11	8	41	< 2	< 0.2				
686D	1.2	9	10	21	< 2	< 0.2				
687D	0.6	8	4	29	< 2	< 0.2				
688D	0.8	11	5	82	< 2	< 0.2				
689D	0.8	11	7	61	< 2	< 0.2				
690D	8.6	32	17	79	2	< 0.2				
691D	1.0	12	13	61	< 2	< 0.2				
LN-734D	0.4	7	6	19	2	< 0.2				
735D	1.0	7	6	24	< 2	< 0.2				
736D	3.0	6	8	46	2	< 0.2				
737D	3.0	5	7	20	< 2	< 0.2				
738D	0.8	8	5	37	< 2	< 0.2				
739D	0.8	7	9	38	< 2	< 0.2				
740D	< 0.2	5	22	22	< 2	< 0.2				
741D	0.6	8	4	54	< 2	< 0.2				
742D	0.2	4	14	27	< 2	< 0.2				
743D	0.2	5	4	30	< 2	< 0.2				

Laboratory Report / 79-580/G287

Sample Number	U ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Ag ppm				
LN-692D	1.4	7	5	38	< 2	< 0.2				
693D	1.0	10	6	57	< 2	< 0.2				
694D	2.6	10	5	56	< 2	< 0.2				
695D	6.4	7	3	25	< 2	< 0.2				
696D	0.2	5	7	27	< 2	< 0.2				
697D	0.8	9	3	42	< 2	< 0.2				
LN-698D	12.4	13	11	28	4	< 0.2				
699D	0.6	6	5	22	2	< 0.2				
700D	1.8	7	6	32	< 2	< 0.2				
701D	8.8	10	8	57	< 2	< 0.2				
702D	7.0	13	7	33	< 2	< 0.2				
703D	2.0	11	7	40	< 2	< 0.2				
704D	1.4	9	9	51	< 2	< 0.2				
705D	1.6	12	6	39	2	< 0.2				
706D	0.6	7	6	30	< 2	< 0.2				
747D	0.6	17	7	75	< 2	< 0.2				
748D	0.6	8	8	44	< 2	< 0.2				
749D	0.6	6	4	42	< 2	< 0.2				
750D	2.6	12	10	35	< 2	< 0.2				
751D	0.2	7	3	38	2	< 0.2				
LN-752D	0.6	14	4	57	< 2	< 0.2				
753D	2.6	12	6	46	< 2	< 0.2				
754R	0.8	2	< 1	16	< 2	< 0.2				
755D	0.6	12	6	49	< 2	< 0.2				
756D	0.6	10	8	34	< 2	< 0.2				
757D	1.4	10	5	57	< 2	< 0.2				

Laboratory Report / 79-580/G287

Sample Number	U ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Ag ppm				
LN-707D	0.4	5	6	13	< 2	< 0.2				
708D	1.2	7	4	34	< 2	< 0.2				
709D	3.6	13	11	18	4	< 0.2				
710D	11.4	15	13	36	2	< 0.2				
711D	1.2	9	5	29	2	< 0.2				
712D	0.2	6	6	21	< 2	< 0.2				
713D	3.6	12	7	24	< 2	< 0.2				
714D	11.0	19	9	77	2	< 0.2				
715D	2.6	11	9	35	< 2	< 0.2				
716D	0.6	8	11	33	< 2	< 0.2				
717D	1.0	8	6	39	< 2	< 0.2				
718D	0.8	8	7	33	2	< 0.2				
719D	1.2	10	6	55	< 2	< 0.2				
720D	3.2	8	11	30	2	< 0.2				
721D	0.6	9	8	36	< 2	< 0.2				
722D	2.8	12	9	38	< 2	< 0.2				
723D	1.8	8	15	56	< 2	< 0.2				
724D	1.4	10	7	40	< 2	< 0.2				
LN-725D	1.0	5	10	20	< 2	< 0.2				
726D	8.8	12	6	28	2	< 0.2				
727D	64	14	9	30	4	< 0.2				
728D	1.8	8	6	35	2	< 0.2				
729D	1.2	5	3	24	< 2	< 0.2				
730D	13.4	25	7	51	4	< 0.2				
731D	4.2	6	4	34	2	< 0.2				
732D	1.4	11	10	37	2	< 0.2				
733D	18.2	11	10	41	4	< 0.2				

Geochemical Laboratory Report / 79-534C Kelvin Energy

Sample Number	U ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Ag ppm				
LN 758D	5.6	20	19	41	2	.7				
759D	3.2	8	18	41	2	.6				
760D	.8	5	15	27	2	.6				
761D	.6	7	17	40	3	.6				
762D	.2	5	14	21	1	.5				
763D	.6	8	14	35	2	.6				
764D	.4	5	14	30	1	.5				
765D	.4	7	18	45	2	.6				
766D	.6	10	16	66	2	.8				
767D	.8	22	20	93	3	1.0				
768D	1.8	28	21	141	2	1.0				
769D	1.1	13	15	54	1	.7				
770D	1.3	19	20	86	2	1.0				
771D	.8	12	17	56	2	.8				
772D	2.8	9	15	28	2	.6				
774D	.3	9	19	39	2	.8				
775D	.2	8	20	22	1	.6				
LN 776D	.4	7	16	40	2	.5				
777D	.4	2	13	10	2	.4				
778D	.4	9	17	35	2	.6				
779D	.7	9	15	28	2	.6				
780D	.8	8	15	33	1	.6				

Geochemical Laboratory Report /

79-534C Kelvin Energy

Sample Number	U ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Ag ppm				
LN 794D	1.0	15	12	72	4	.5				
795D	.6	8	12	92	3	.4				
796D	.5	10	13	75	3	.4				
797D	.9	12	14	57	4	.5				
798D	.4	10	13	43	3	.4				
799D	1.8	11	15	32	4	1.7				
800D	4.4	21	20	119	5	.7				
801D	4.0	21	17	101	4	.6				
802D	11.2	48	24	115	6	1.1				
803D	12.8	33	18	45	4	.5				
804D	9.2	34	18	96	5	.8				
805D	24.	45	22	125	6	.9				
806D	1.2	46	22	43	3	.5				
807D	2.4	23	21	47	7	.6				
808D	20.	21	16	13	3	.9				
809D	.5	9	17	47	4	.4				
810D	.7	14	13	64	4	.5				
LN-665D	0.4	11	9	70	2	< 0.2				
666D	5.2	26	14	150	4	< 0.2				
ES-502D	.9	4	12	32	2	.3				
503D	1.2	5	12	42	3	.3				
ES-509D	.7	5	13	80	2	.3				
510R	1.6	5	7	55	2	.2				
511D	16.8	33	17	65	5	1.2				
512D	.7	5	10	33	4	.5				
513D	.2	4	10	28	2	.3				

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mple Number	U ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Ag ppm				
CN-619D	1.4	30	4	235	< 2	< 0.2				
620D	2.0	9	6	44	< 2	< 0.2				
621D	0.6	7	7	41	< 2	< 0.2				
622D	1.8	12	3	17	< 2	< 0.2				
CN-628D	0.4	9	7	62	< 2	< 0.2				
629D	0.6	10	5	54	< 2	< 0.2				
630D	0.6	11	4	68	< 2	< 0.2				
631D	0.4	11	7	66	< 2	< 0.2				
632D	0.4	13	4	88	< 2	< 0.2				
633D	0.4	11	7	77	< 2	< 0.2				
634D	0.2	10	5	65	< 2	< 0.2				
635D	0.4	13	9	110	< 2	< 0.2				
636D	0.4	15	4	110	< 2	< 0.2				
637D	0.4	13	5	53	< 2	< 0.2				
638D	0.6	17	8	150	< 2	< 0.2				
CN- 653D	1.0	10	2	45	< 2	< 0.2				
654D	1.6	6	< 1	30	< 2	< 0.2				
655D	1.4	7	4	27	< 2	< 0.2				
656D	1.2	3	2	15	< 2	< 0.2				
657D	2.4	6	7	20	< 2	< 0.2				
658D	0.8	5	4	22	< 2	< 0.2				
659D	0.8	7	2	43	< 2	< 0.2				
660D	2.4	10	12	35	.4	< 0.2				
661D	6.6	39	10	32	< 2	< 0.2				
662D	2.8	11	8	40	< 2	< 0.2				
663D	2.4	11	11	23	< 2	< 0.2				

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Sample Number	U ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Ag ppm				
CN-672D	0.4	7	4	30	< 2	< 0.2				
673D	28	18	13	32	< 2	< 0.2				
674D	3.4	8	2	50	< 2	< 0.2				
675D	1.6	7	9	24	< 2	< 0.2				
676D	8.8	13	7	39	< 2	< 0.2				
677D	1.4	8	3	33	< 2	< 0.2				
678D	1.6	7	2	35	< 2	< 0.2				
679D	6.0	11	7	56	< 2	< 0.2				
680D	3.6	7	< 1	37	< 2	< 0.2				
681D	5.4	12	7	41	< 2	< 0.2				
682D	0.8	6	5	21	< 2	< 0.2				
683D	9.4	18	7	34	< 2	< 0.2				
684D	1.0	6	8	30	< 2	< 0.2				
685D	1.2	5	5	26	< 2	< 0.2				
687D	0.4	9	7	35	< 2	< 0.2				
688D	1.0	5	2	34	< 2	< 0.2				
689D	1.2	7	2	46	2	< 0.2				
690D	1.6	12	7	15	2	< 0.2				
691D	0.4	4	8	24	2	< 0.2				
692D	3.0	7	2	11	< 2	< 0.2				
693D	< 0.2	5	3	19	2	< 0.2				
694D	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.				
CN-668D	2.8	9	11	29	< 2	< 0.2				
669D	1.0	6	7	40	< 2	< 0.2				
670D	3.2	8	7	32	< 2	< 0.2				
671D	2.8	9	7	59	< 2	< 0.2				

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Sample Number	U ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Ag ppm
CN-609D	1.0	10	8	46	< 2	< 0.2
610D	0.8	6	3	34	< 2	< 0.2
611D	0.8	6	8	30	< 2	< 0.2
612D	1.0	12	4	64	< 2	< 0.2
613D	0.6	7	9	62	< 2	< 0.2
614D	1.0	9	6	63	< 2	< 0.2
615D	0.6	7	4	34	< 2	< 0.2
616D	1.2	17	7	44	< 2	< 0.2
CN-617D	1.2	39	10	165	< 2	< 0.2
618D	0.8	10	6	91	< 2	< 0.2
696D	0.4	10	5	62	2	< 0.2
697D	0.6	9	11	40	< 2	< 0.2
698D	< 0.2	4	9	18	< 2	< 0.2
699D	0.2	5	6	11	< 2	< 0.2
CN-700D	0.2	4	7	24	2	< 0.2
701D	4.8	9	16	36	2	< 0.2
702D	0.4	7	5	28	< 2	< 0.2
703D	0.2	3	9	18	< 2	< 0.2
704D	0.2	4	10	18	< 2	< 0.2
705D	0.2	5	6	30	2	< 0.2
706D	< 0.2	4	6	21	2	< 0.2
707D	0.2	12	6	63	< 2	< 0.2
708D	0.2	7	2	10	< 2	< 0.2
[illegible]	0.6	8	12	27	< 2	< 0.2

Geochemical Laboratory Report /

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Sample Number	U ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Ag ppm				
CN - 712R	2.8	2	11	20	8	.2				
CN 721D	1.5	7	16	46	2	.6				
722D	.6	7	14	59	2	.5				
723D	.4	3	12	46	1	.5				
724D	.8	9	14	33	2	.5				
725D	1.5	16	17	73	3	.7				
726D	6.0	27	21	41	3	.6				
727D	4.0	10	17	49	3	.7				
728D	.6	3	15	17	2	.5				
729D	1.6	1	16	21	2	.3				
CN 730D	8.0	3	11	14	4	.5				
731D	3.6	6	19	27	2	.4				
GT-92D	5.2	19	11	104	4	.9				
93R	.8	2	5	19	1	.3				
95D	.7	10	13	67	3	.6				
96R	1.1	3	8	10	1	.2				
97D	.6	9	10	62	2	.8				
98R	.8	2	6	61	1	.5				
104D	1.0	13	12	57	2	.6				
105D	1.6	14	14	50	2	.8				
106D	1.2	12	11	30	2	.8				
GT-107D	5.6	14	11	64	3	.8				
108D	1.4	13	12	40	3	.7				

KELVIN ENERGY LTD.

Geological Map
AL 4, AL 5, CH 4, LEO 4, LEO 5

FIGURE 2

TO ACCOMPANY REPORT BY: L. BELL	SCALE 1:15840	DATE FEB 1980
	NTS 82E/10	DRAWN BY E. SWAN

LEGEND

TERTIARY

MIOCENE - PLIOCENE

[8] BASALT, OLIVINE BASALT

PALEOCENE - EOCENE

VOLCANIC GROUP

[6a] ANDESITE

[6b] PORPHYRITIC ANDESITE, HORNBLENDE ANDESITE PORPHYRY, FELDSPAR ANDESITE PORPHYRY

CRETACEOUS

VALHALLA PLUTONIC ROCKS

[4a] QUARTZ MONZONITE

[4b] PORPHYRITIC QUARTZ MONZONITE

[4c] MONZONITE

[4e] PEGMATITIC or PORPHYRITIC GRANITE

NELSON PLUTONIC ROCKS

[3a] DIORITE, QUARTZ DIORITE

SYMBOLS

- AREA OF OUTCROP
- ROCK OUTCROP
- FOLIATION (inclined, vertical, dip unknown)
- FAULT
- GEOLOGICAL BOUNDARY (defined, approximate)
- SPOT SCINTILLOMETER READING 115 cps

LEO 4

LEO 5

CH 4

AL 4

AL 5

LEGAL CORNER POSTS

KELOWNA 55 km

150cps

200 - 300cps

330cps

200 - 270 cps

260 cps

260cps

80cps

340 cps

450 cps

300 cps

250 - 400 cps

300 cps

500 metres

MINERAL RESOURCES BRANCH

7858
part 2 of 2.

KELVIN ENERGY LTD.

Geochemical Sample
Location Map
AL 4, AL 5, CH 4, LEO 4, LEO 5
FIGURE 3

TO ACCOMPANY REPORT BY: L. BELL	SCALE 1:15,840	DATE FEB 1980
	NTS 82E/10	DRAWN BY E. SWAN

LEGEND

- ○ SOIL SAMPLE LOCATION AND NUMBER
- △ ROCK CHIP SAMPLE LOCATION AND NUMBER
- CH 4 CLAIM BOUNDARY WITH NAME AND NUMBER

LEO 4

LEO 5

CH 4

AL 4

AL 5

LEGAL CORNER POSTS

LEGAL CORNER POST

500 metres

7858
Part 2 of 2

LEO 4

LEO 5

CH 4

AL 5

AL 4

LEGAL CORNER POSTS

LEGAL CORNER POST

LEGAL CORNER POST

KELVIN ENERGY LTD.

Uranium Geochemistry
AL 4, AL 5, CH 4, LEO 4, LEO 5

FIGURE 4

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	NTS 82E/10	DRAWN BY E. SWAN

LEGEND

- O SOIL SAMPLE, ELEMENT VALUE IN PPM
- Δ ROCK CHIP SAMPLE, ELEMENT VALUE IN PPM
- CH4 CLAIM BOUNDARY WITH NAME AND NUMBER

500 metres

7858
part 1 of 2

LEO 4

LEO 5

CH 4

AL 4

AL 5

LEGAL CORNER POSTS

LEGAL CORNER POST

LEGAL CORNER POST

I.S.

KELVIN ENERGY LTD.		
Copper Geochemistry AL 4, AL 5, CH 4, LEO 4, LEO 5		
FIGURE 5		
TO ACCOMPANY REPORT BY: L. BELL	SCALE 1:15840	DATE FEB 1980
	NTS 82E/10	DRAWN BY E. SWAN

LEGEND

- ○ SOIL SAMPLE, ELEMENT VALUE IN PPM
- △ ROCK CHIP SAMPLE, ELEMENT VALUE IN PPM
- CH4 CLAIM BOUNDARY WITH NAME AND NUMBER

500 metres

MINERAL RESOURCES BRANCH

7858
part of

KELVIN ENERGY LTD.

Molybdenum Geochemistry
AL4, AL5, CH4, LEO 4, LEO 5

FIGURE 6

TO ACCOMPANY REPORT BY: L. BELL	SCALE 1:15840	DATE FEB 1980
	NTS 82E/10	DRAWN BY E. SWAN

LEGEND

- ○ SOIL SAMPLE, ELEMENT VALUE IN PPM
- △ ROCK CHIP SAMPLE, ELEMENT VALUE IN PPM
- CH4 CLAIM BOUNDARY WITH NAME AND NUMBER

LEO 4

LEO 5

CH 4

AL 5

AL 4

LEGAL CORNER POSTS

LEGAL CORNER POST

LEGAL CORNER POST

T.S.

500 metres

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

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part 2 of 3

KELVIN ENERGY LTD.

Lead Geochemistry
AL 4, AL 5, CH 4, LEO 4, LEO 5

FIGURE 7

TO ACCOMPANY REPORT BY: L. BELL	SCALE 1:5 840	DATE FEB 1980
	NTS 82E/10	DRAWN BY E. SWAN

LEO 4

LEO 5

CH 4

AL 4

AL 5

LEGAL CORNER POSTS

LEGAL CORNER POST

LEGAL CORNER POST

LEGEND

- ○ SOIL SAMPLE, ELEMENT VALUE IN PPM
- △ ROCK CHIP SAMPLE, ELEMENT VALUE IN PPM
- CH4 CLAIM BOUNDARY WITH NAME AND NUMBER

500 metres

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
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Zinc Geochemistry
AL4, AL5, CH4, LEO4, LEO5

FIGURE 8

TO ACCOMPANY REPORT BY: L. BELL	SCALE 1:5840	DATE FEB 1980
	NTS 82E/10	DRAWN BY E. SWAN

LEGEND

- ○ SOIL SAMPLE, ELEMENT VALUE IN PPM
- △ ROCK CHIP SAMPLE, ELEMENT VALUE IN PPM
- CH4 CLAIM BOUNDARY WITH NAME AND NUMBER

LEO 4

LEO 5

CH 4

AL 4

AL 5

LEGAL CORNER POSTS

LEGAL CORNER POST

LEGAL CORNER POST

500 metres

LEO 4

LEO 5

CH 4

AL 4

AL 5

LEGAL CORNER POSTS

LEGAL CORNER POST

LEGAL CORNER POST

500 metres

LEGEND

- ○ SOIL SAMPLE, ELEMENT VALUE IN PPM
- △ ROCK CHIP SAMPLE, ELEMENT VALUE IN PPM
- CH4 CLAIM BOUNDARY WITH NAME AND NUMBER

KELVIN ENERGY LTD.

Silver Geochemistry
AL4, AL5, CH4, LEO 4, LEO 5

FIGURE 9

TO ACCOMPANY REPORT BY: L. BELL	SCALE 1:15,840	DATE FEB 1980
	NTS 82E/10	DRAWN BY E. SWAN