

GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORTS

DATE RECEIVED

FEB 29 1996

PROSPECTING REPORT ON THE ELDORADO 1 - 4, ISKUT RIVER AREA, B.C.,

1995

LIARD MINING DIVISION

NTS 104B/11

LONGITUDE 131 03'N

LATITUDE 56 35'W

**RECEIVED**

FEB 19 1996

Gold Commissioner's Office  
VANCOUVER, B.C.

FILMED

John P. McGoran, B. Sc., P. Geo.

Fleck Resources Ltd.

January, 1996

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

24,309

TABLE OF CONTENTS

	Page
Summary	1
1995 Program	1
Mineralization and Alteration	2
Property Geochemistry	3
Discussion	3
Recommendations	3
Rock Sample Descriptions	4
Claim Location Map	6
Claim Location & Sample Location	6a
Trench 3 Area	7
Sample 29 to 34 Area	8
Appendix I	Itemized Cost Breakdown
Appendix II	Analytical Results and Procedures
Appendix III	Statement of Qualifications

## Summary

In 1995, 80 units immediately south of Skyline's mineral lease in the Iskut area, were acquired by staking.

During the period September 14 to September 19, 1995, David Javorsky and John McGoran followed-up an area of diverse gold occurrences. Four samples from streams were processed by sluicing through a portable 12 inch by 4 ft box. 90% of the sample was analysed and the remaining 10% was kept for microscopic examination.

Samples of float and bedrock, which appeared as if they contained sulphides or as if they could contain gold, were collected for ICP 30 element analysis plus gold.

## 1995 Program

During prospecting 29 rock samples were collected, the sample sites were flagged and G.P.S. recorded. The samples were examined for rock type and mineral content prior to analysis. The locations were plotted. The sample descriptions are shown on page 4 and the analytical results are shown in Appendix II. Sample sites are located on page 6A.

Javorsky and McGoran flew out to the property by a Hughes 500D helicopter from the Snip Mine camp, where accommodation was provided.

The main lithologies on the property are marine sediments, volcanic clastics and volcanic flows of the Jurassic Unuk River and Betty Creek Formations. The same rock units host the Skyline precious metal deposit, located north of the claim group.

Polymetallic mineralization on the property is associated with silicified fracture, fault or shear zones, which have undergone varying degrees of alteration.

Previous exploration is described in Ministry of Mines assessment work reports numbers 9190,13244,16957 and 18156.

Rock samples from two showings in the northcentral area returned values of up to 1.54 oz/t Au.

The quartz diorite plutonic mass in the southwestern corner of the property consists of sub to euhedral crystals of medium to coarse grain size. At least one satellite plug of this intrusion occurs on the ridge crest immediately north of the main pluton at an elevation of 2,020 metres.

Fault and shear zones on the property trend approximately northwest, southeast and northeast, southwest and occasionally follow bedding planes. Shear zones associated with the Skyline deposit trend northeast-southwest structures while felsite dykes are related to northwest-southeast or north-south trending zones.

Plastic deformation was observed locally where low grade regional metamorphism has occurred within the marine sediments. Here, small scale isoclinal folds plunge steeply west to gently north. Foliation, when apparent, is usually conformable with bedding.

#### Mineralization and Alteration

Two locations of highly anomalous mineralization are present on the property. They are associated with silicified fracture, faults/shear zones or folds that have undergone various degrees of calcic, propylitic, argillic, sericitic or potassic alteration. Silicification is manifested as crystalline to opaque to milky grey-white quartz breccia, stockworks and veins. Vein thicknesses range from 1mm to 1m and calcite often occurs as a secondary vein, or breccia matrix, constituent. The best precious metal mineralization appears to be associated with base metals within distinct quartz vein systems. Pyritization, of up to 15% by volume, is commonly associated with silicified zones. Upon weathering, these zones develop moderate to intense gossans composed of hematite, goethite, jarosite and pyrolusite. Oxidation occurs predominantly on exposed surfaces and fracture planes, but can be pervasive depending upon host lithology.

The highest gold anomaly on the property (Grace Two showing) is situated in the north central portion of the claim group and south of First Basin Creek. The showing consists of northwest shallow plunging folds associated with a steep axial plane shear zone within bedded marine sediments and fragmental volcanic tuffs. The zone is silicified, pyritized and contains malachite and hematite as surface oxidation products. Rock samples at this location carried up to 1.54 oz/t Au, 3.3 oz/t Ag and 2.7% Cu.

A silicified zone, up to 1 m thick, occurs 700 metres southeast of the Grace Two showing at an elevation of 2900 m. It trends northeast within sheared dacitic flows and tuffs and marine sediments. Mineralization associated with the quartz vein included pyrite, galena, spalerite and malachite. Gold content was 0.43 oz/t with 3.5 oz/t Ag and 2.0% Pb and 0.5% Zn.

A grab sample taken 250 m southeast of the above quartz vein, also on the north slope of the Second Basin, contained 0.28 oz/t Au, 0.6 oz/t Ag, 0.2% Pb and 1.6% Zn.

### Property Geochemistry

All samples were analyzed for gold by fire assay with an atomic absorption finish. Other elements including copper, silver, lead and zinc were analysed by ICP. Analysis was performed by Acme Analytical Laboratories, Vancouver, B.C.

### Discussion

Although much of the claim group was snow and ice covered and weather conditions made field work difficult, several areas of interest were found on the property during September, 1995 exploration program.

The 1995 season's sampling confirms the sampling by previous operators. Higher gold values could be due to a concentration of effort in areas of known gold mineralization.

Mineralization on the property was associated with silicified fractures, faults, shear zones and folds that had undergone some degree of alteration. The best precious metal results were derived from distinct quartz systems which also contained some base metal mineralization.

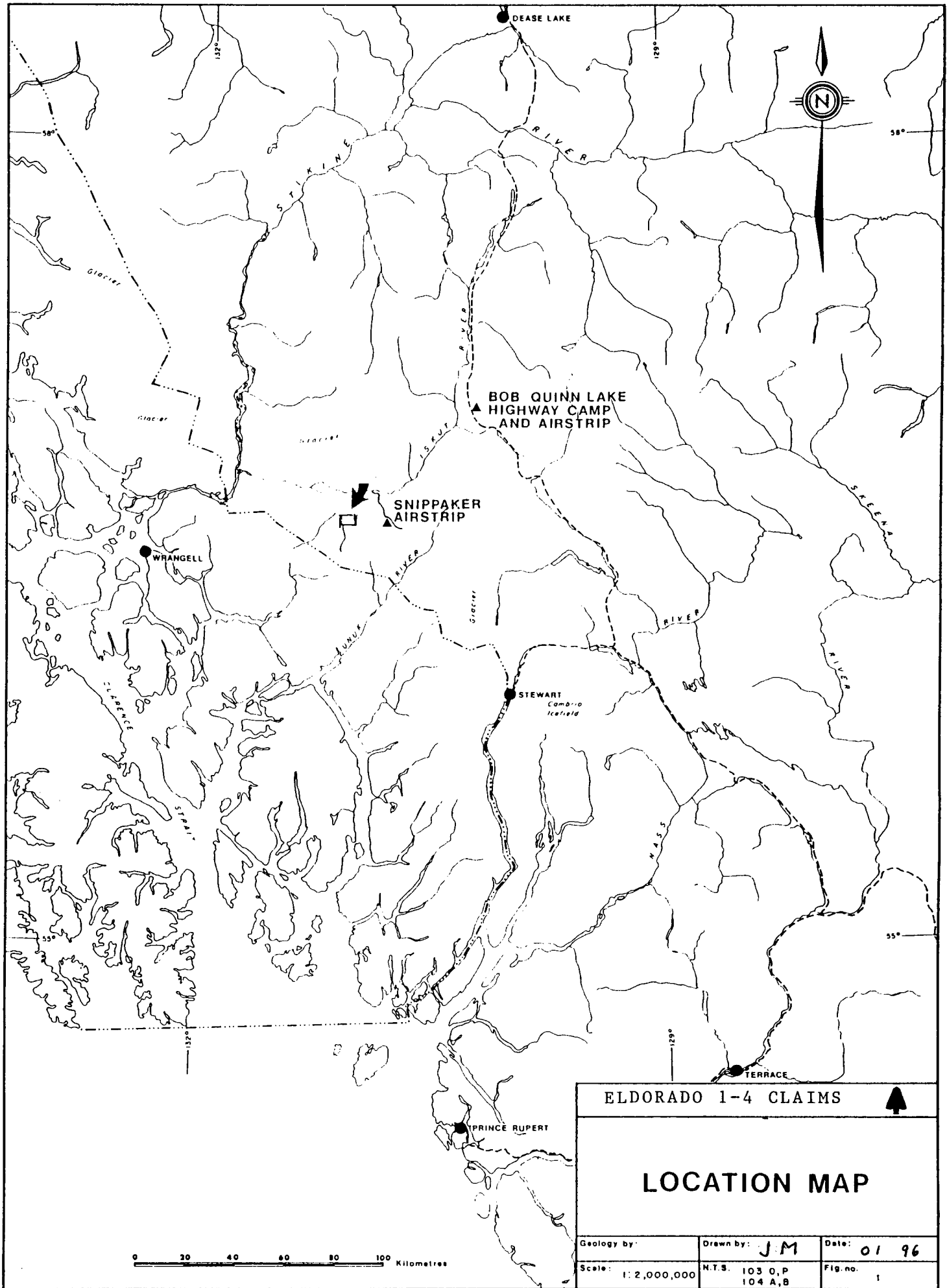
### Recommendations


Further detailed sampling, as well as further trenching, is recommended in the vicinity of samples EL9 to EL14 and EL22 to 34. Diamond drilling is recommended, if there is continuity to the mineralized occurrences.

Rock Sample Descriptions

- EL3 90% "bell" quartz 5% f.g. biotite 5% f.g. orthoclase
- EL4 f.g. sheared tuff 2mm to 2 cm darker euhedral fragments in lighter groundmass 5% pyrrhotite 0.2% chalcopyrite
- EL5 92% fine grained feldspar (orthoclase?) 7% pyrite
- EL6 foliated grey siltstone & dark argillite interbedded 5mm bands 2% pyrite
- EL9 limey argillite minor pyrite 10% of 10 cm porphoblasts of calcite minor f.g. galena & sphalerite
- EL10 (also marked ES6TR3) 10% chalcopyrite minor malachite 85% quartz minor f.g. biotite calcite orthoclase?
- EL11 10% chalcopyrite 55% quartz vein 20% argillite
- EL11A gossan (weathered material) overlying EL11 at the base of the overlying soil
- EL12 40% quartz with 10% boxwork after sulphides 2% m.g. chalcopyrite 50% f.g. sericite & chlorite minor malachite
- EL13 blasted material from trench 3 5% chalcopyrite minor malachite 65% quartz 30% chlorite
- EL14 85% quartz 10% chalcopyrite minor malachite minor limonite & chlorite
- EL15 80% quartz 5% pyrrhotite calcite & chlorite on edges of quartz veins
- EL16 dark grey f.g. rock (metasedament) minor pyrite minor calcite
- EL17 f.g. black rock (dyke) 5% of 2-6mm pyrite
- EL18 95% quartz (vein) chlorite along edges
- EL18F silicified banded sediment 70% (float) 25% pyrrhotite 1% chalcopyrite
- EL19 f.g. pink-brown rock 10% pyrrhotite
- EL20 f.g. micro diorite 20% f.g. pyrite
- EL21 90% quartz (vein) 2% pyrrhotite 5% chlorite 2% muscovite

- EL22      grey f.g. silicified ? rock 80%  
          20% 1cm dark sphalerite
- EL23      f.g. microdiorite (60% feldspar, 10% biotite, 5% quartz)  
          10% pyrrhotite    0.5% chalcopyrite
- EL26      74% cream-brown f.g. feldspar    15% pyrite f.g.    5%  
          quartz stringers
- EL28      f.g. grey to brown sheared rock    biotite 30%    feldspar  
          50% quartz veining 15%    pyrite 5%
- EL29      90% quartz    10% argillite
- EL30      5% pyrite on calcite fractures in fine-grained-silicified  
          tuff
- EL31      f.g. sheared rock    grey    biotite 30%    feldspar 50%  
          quartz 15%    pyrite 1%
- EL32      same as 31
- EL33      quartz- carbonate- chlorite vein  
          25% quartz    25% chlorite    25% calcite    5% sphalerite  
          1% galena
- EL34      f.g. grey rock  
          80% f.g. white orthoclase    3% f.g. hornblende  
          3% f.g. biotite, 5% f.g. sphalerite & galena



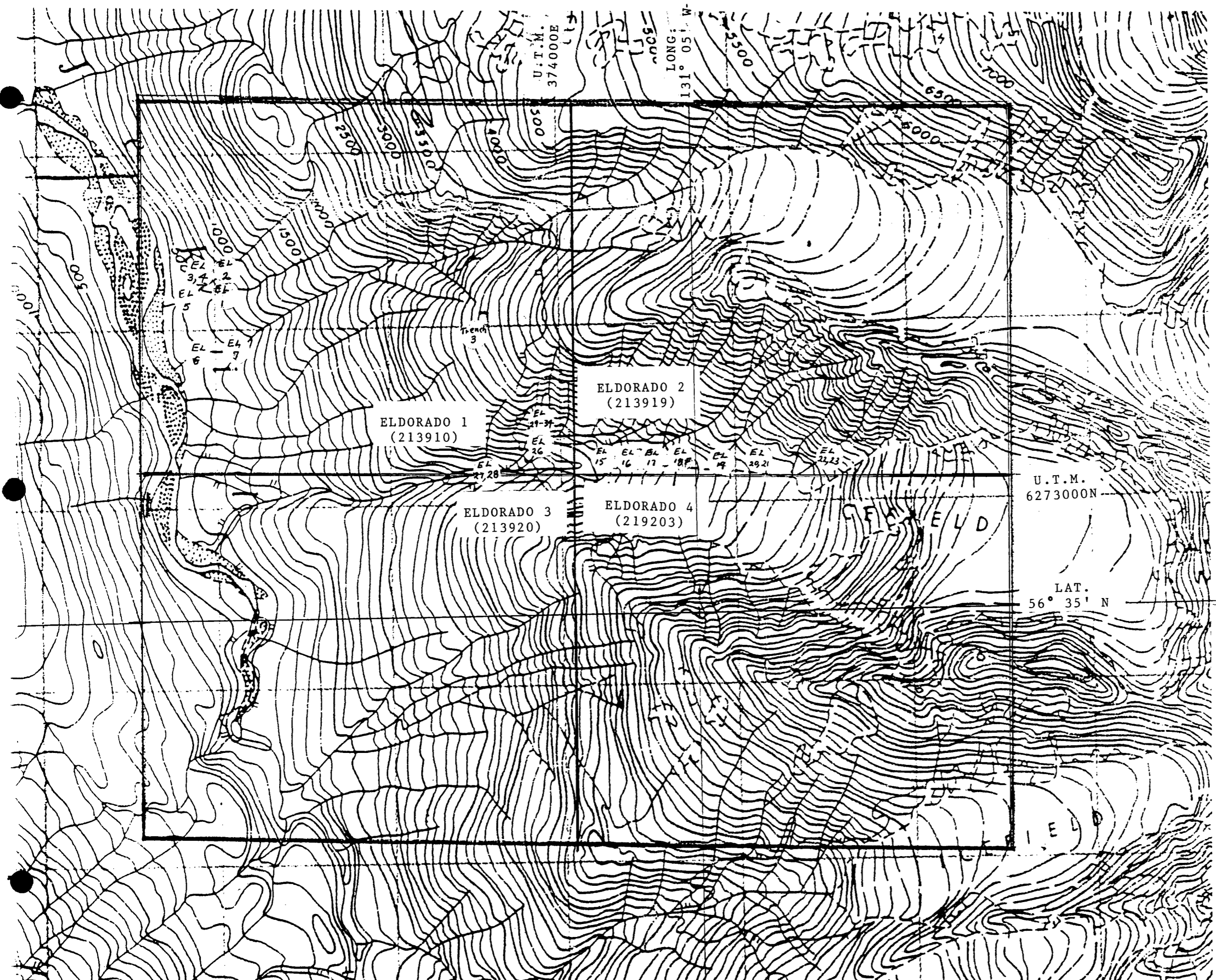
ELDORADO 1-4 CLAIMS 

### LOCATION MAP

Geology by:	Drawn by: <b>JM</b>	Date: <b>01 96</b>
Scale: 1:2,000,000	N.T.S. 103 O, P 104 A, B	Fig. no. 1

0 20 40 60 80 100 Kilometres





EL 1-4 CLAIMS

NORTH

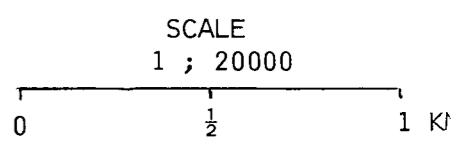
LEGEND

EL 10 Sample site

— Claim boundary

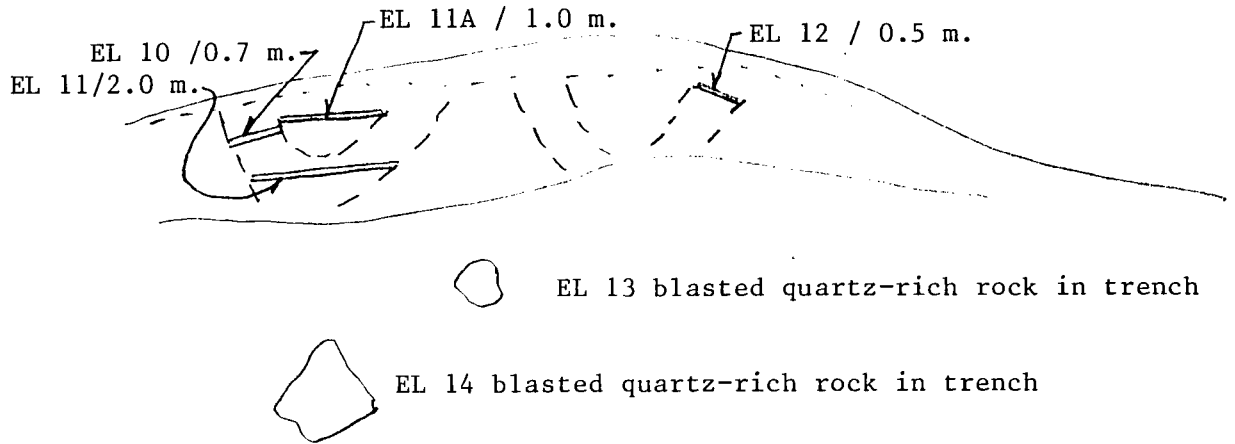
For detail of trench 3 see page

For detail of EL 29 to 34 see

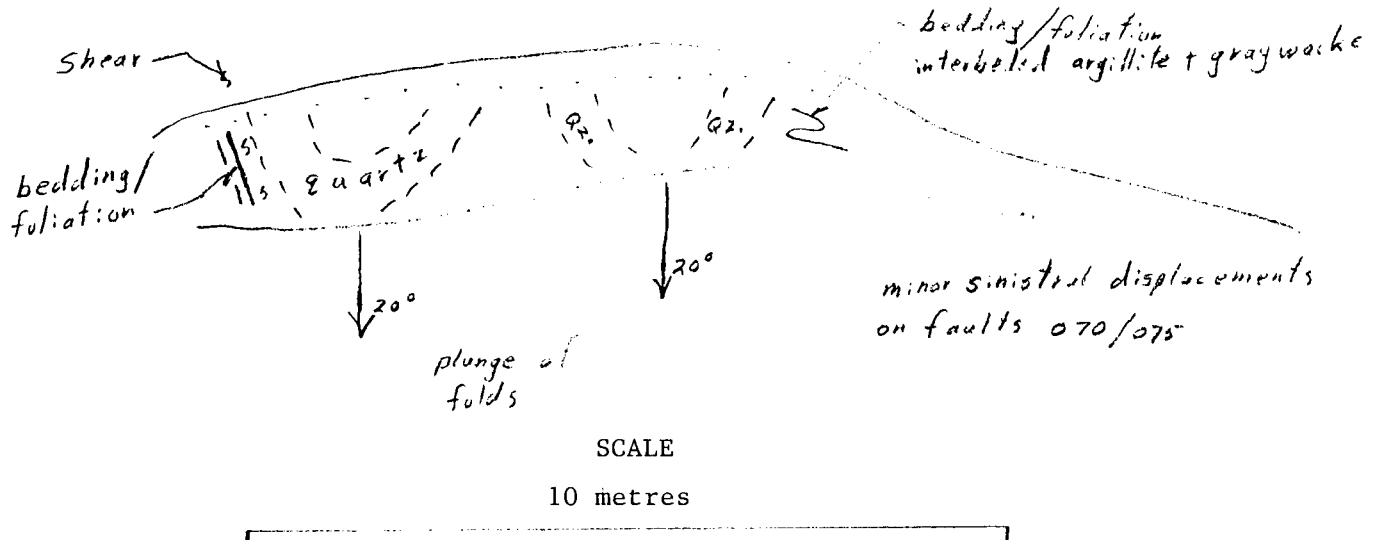


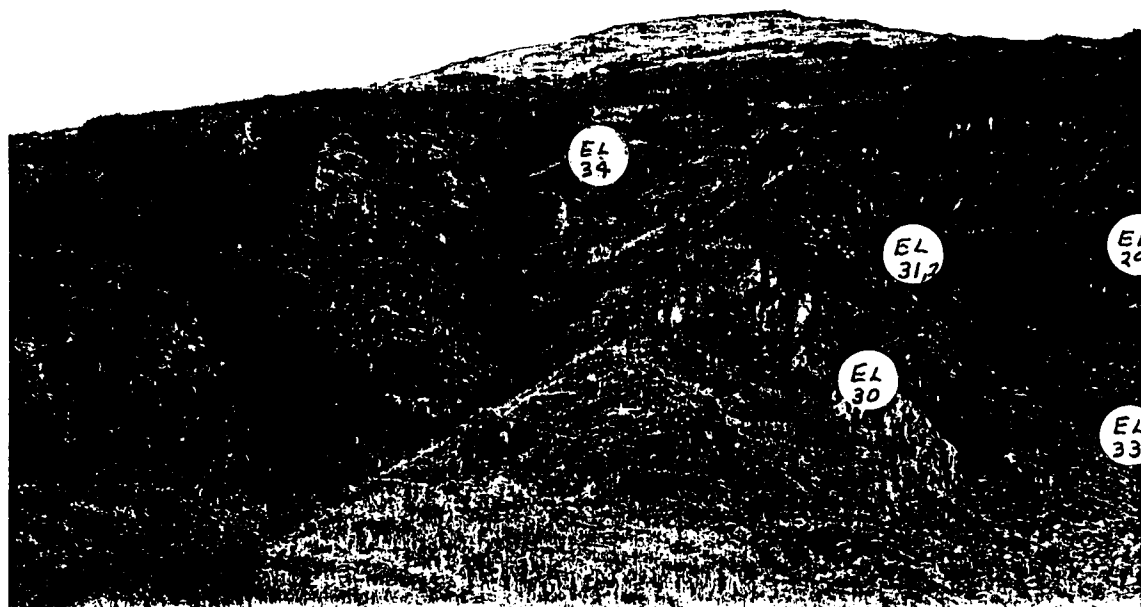
TRENCH 3  
looking toward 160 degrees

SAMPLE LOCATIONS

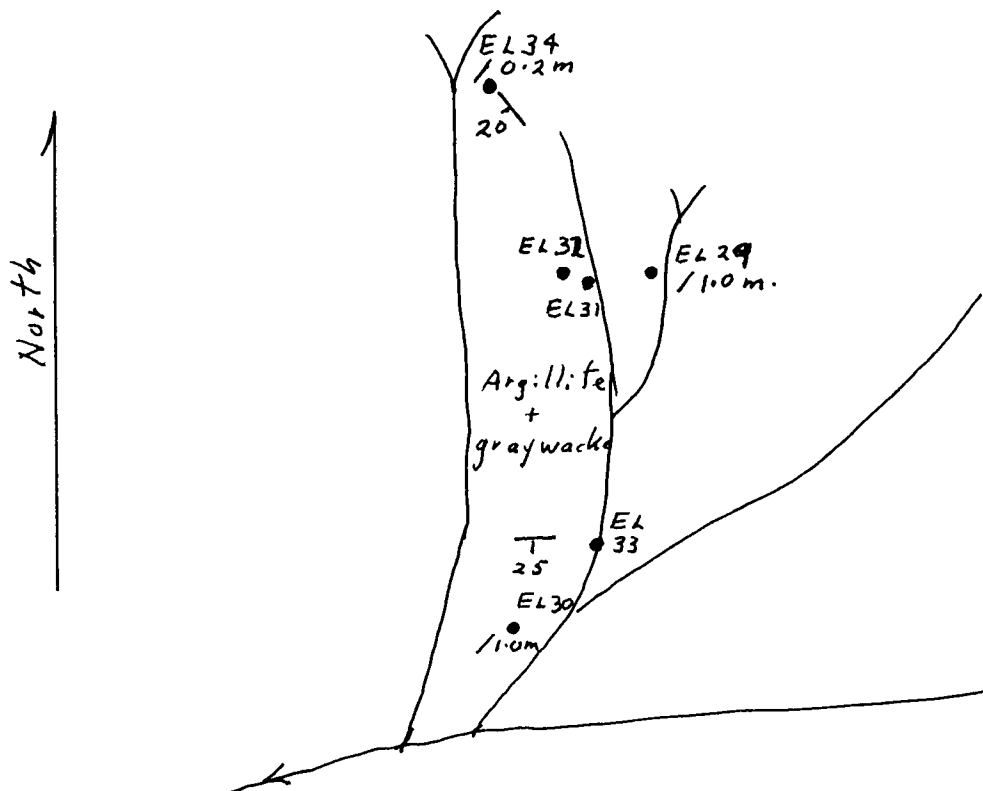


TRENCH GEOLOGY



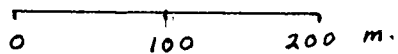


Area of samples 29 to 34 looking north  
(photograph)



Area of samples 29 - 34

SCALE  
1 : 5000



APPENDIX 1

EL CLAIMS

EXPENDITURES

SEPTEMBER 14 TO 19, 1995

Helicopter transportation	\$1889.28
Analysis	753.34
Accommodation at Snip Mine	963.00
Misc. field equipment	288.37
Two G.P.S. units - rental	128.40
Wages - J. McGoran 6 days @ \$350/day	2100.00
Wages - D. Javorsky 6 days @ \$250/day	1500.00
Fixed wing transportation	1640.35
Rock examination with microscope 1x350	350.00
3/4 ton 4 x 4 rental - 2 days	90.00
Report preparation - 1.5 days @ \$350/day	525.00
Fuel for truck	83.30
Total	\$10311.04

A handwritten signature in black ink, appearing to be 'J. McGoran', is located at the bottom right of the page.

Appendix II

Rock Sample Analysis

Sample	AU ppb	AG ppm	CU ppm	PB ppm	ZN ppm
EL3	3	-	45	4	1
EL4	9	1.1	689	12	47
EL5	8	0.7	20	34	19
EL6	14	0.3	38	6	59
EL9	378	78.1	652	14508	74719
EL10	47600	93.5	22338	53	111
EL11	3380	103.2	42003	435	2122
EL11A	40840	19.4	13876	300	300
EL12	570	16.0	4520	25	64
EL13	17400	98.1	15644	21	73
EL14	19300	39.2	22393	46	164
EL15	24	1.0	312	14	28
EL16	272	2.6	425	12	83
EL17	41	0.5	304	10	171
EL18	15	0.6	84	9	19
EL18F	80	4.2	5994	28	205
EL19	9	1.2	190	47	113
EL20	16	2.3	412	290	128
EL21	6	0.4	157	8	74
EL22	88	7.9	253	610	78060
EL23	44	3.6	1043	44	21374
EL26	15	-	42	10	546
EL28	95	0.7	20	12	67
EL29	43	8.5	323	2028	3150
EL30	2520	1.9	112	1658	1906
EL31	581	25.8	87	7219	387
EL32	28	2.0	232	77	150
EL33	8860	18.7	278	2280	15844
EL34	13400	109.5	64	19811	4530

P.02/02

b04 c03 116 10 b8/b003

001 003 13:03 FR HUILE LMB5

SAMPLE#	No	Cu	Pb	Zn	Ag	Ml	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Tl	B	Al	Na	K	M	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb
EL-3	4	45	4	1	<.3	88	7	299	.67	40	<5	<2	<2	3	<.2	2	<2	3	.12	.006	<1	44	.64	7<.01	7	.06	.01	.01	<2	3	
EL-4	2	689	12	47	1.1	29	30	406	3.89	4	<5	<2	<2	887	<.2	<2	2	83	4.07	.224	5	25	.99	149	.26	<3	4.28	.54	1.13	<2	9
EL-5	2	20	34	19	.7	8	2	140	1.75	5	<5	<2	<2	25	<.2	2	<2	24	.16	.043	9	7	.18	98<.01	<3	.55	.08	.23	<2	8	
EL-6	4	38	6	59	.3	15	12	301	3.63	23	<5	<2	6	10	<.2	4	<2	51	.20	.084	6	16	.75	194	.26	<3	1.80	.04	1.32	<2	14
EL-9	6	652	14508	74719	78.1	43	39	1872	4.53	27	<5	<2	<2	127	954.2	58	4	53	5.27	.058	<1	43	.80	86	.14	<3	2.84	.04	.57	5	378
EL-11	4	42003	435	2122	103.2	29	5	820	10.15	4	<5	9	<2	51	29.3	<2	<2	8	2.99	.021	<1	10	.10	12<.01	<3	.23<.01	.02	3	3380		
EL-11 dup.	4	27497	26	116	69.5	34	7	816	6.97	2	<5	18	<2	29	3.3	3	<2	23	1.00	.027	<1	18	.40	56	.03	<3	.73	.01	.22	7	40800
EL-11A	3	13876	300	594	19.4	116	28	10493	12.14	15	<5	2	<2	57	6.5	4	<2	67	.73	.053	13	49	1.25	319	.12	<3	3.38	.04	.52	3	850
EL-12	3	4520	25	64	16.0	30	8	1104	3.07	<2	<5	<2	<2	84	1.4	6	<2	41	1.71	.050	1	50	.67	171	.09	<3	2.46	.07	.58	2	570
EL-13	5	15644	21	73	98.1	25	3	343	11.44	<2	<5	14	<2	5	1.4	<2	<2	23	.05	.019	2	18	.22	42	.01	<3	.47<.01	.13	2	17400	
EL-14	2	22393	46	164	39.2	23	6	1207	5.73	2	<5	<2	<2	53	4.1	<2	<2	12	2.53	.015	<1	17	.19	16<.01	<3	.37<.01	.04	9	19300		
EL-15	3	198	12	28	.9	10	5	1882	2.82	<2	<5	<2	<2	392	.4	2	<2	28	8.16	.085	<1	6	.34	149	.10	<3	3.33	.31	.43	<2	30
RE EL-15	2	210	11	27	.7	8	5	1806	2.72	<2	<5	<2	<2	375	.2	3	<2	27	7.95	.082	<1	6	.33	163	.10	<3	2.98	.29	.42	2	26
RRE EL-15	3	312	14	28	1.0	7	5	1903	2.88	<2	<5	<2	<2	391	<.2	2	<2	29	8.35	.086	<1	6	.35	135	.10	<3	3.28	.30	.43	<2	24
EL-16	4	425	12	83	2.6	96	15	629	4.64	<2	<5	<2	2	183	<.2	<2	2	99	3.29	.110	1	93	1.57	173	.28	<3	4.01	.30	1.84	<2	272
EL-17	2	304	10	171	.5	24	24	641	6.52	<2	<5	<2	<2	26	<.2	<2	2	225	.99	.226	5	11	2.99	42	.29	<3	3.23	.09	2.05	<2	41
EL-18	5	84	9	19	.6	13	3	665	1.80	3	<5	<2	<2	153	<.2	3	<2	10	2.85	.011	<1	13	.21	63	.01	<3	.79	.08	.16	2	15
EL-18F	5	5994	28	205	4.2	133	21	1062	13.74	<2	<5	<2	<2	75	.5	<2	4	135	1.94	.133	<1	401	2.34	19	.15	<3	4.28	.07	1.23	5	80
EL-19	2	190	47	113	1.2	56	21	736	5.50	2	<5	<2	<2	49	<.2	6	2	118	.98	.148	3	85	1.70	38	.22	<3	1.96	.14	1.18	<2	9
EL-20	2	412	290	128	2.3	73	72	350	14.10	2	<5	<2	<2	38	<.2	6	<2	227	.81	.246	6	25	1.62	13	.19	<3	1.88	.09	1.17	<2	16
EL-21	5	157	8	74	.4	15	8	547	2.28	3	<5	<2	<2	36	<.2	3	3	46	1.85	.002	<1	14	.42	64	.05	<3	.56	.01	.20	<2	6
EL-22	4	253	610	78060	7.9	11	51	1362	6.37	10	<5	<2	<2	15	588.1	<2	14	129	1.03	.167	2	<1	1.50	28	.30	<3	1.97	.04	1.38	7	88
EL-23	13	503	34	562	2.4	10	41	1090	8.22	4	<5	<2	2	13	1.0	3	3	83	.91	.181	4	6	1.11	46	.13	<3	1.38	.04	.33	<2	16
EL-23 dup.	6	1043	44	21374	3.6	16	69	968	10.60	4	<5	<2	2	13	158.8	4	3	95	.67	.165	6	8	.97	13	.17	<3	1.75	.04	.73	<2	44
EL-26	19	42	10	546	<.3	36	23	1369	5.48	13	<5	<2	<2	148	2.6	2	4	140	6.83	.181	2	67	1.91	49	.26	<3	2.55	.13	1.42	<2	15
EL-28	10	20	12	67	.7	6	15	403	4.84	5	<5	<2	6	184	<.2	4	4	27	3.17	.206	3	4	.48	64	.07	<3	3.14	.13	.48	<2	95
EL-29	2	323	2028	3150	8.5	21	15	2406	1.94	19	<5	<2	<2	654	23.8	11	<2	39	32.24	.040	8	17	.50	195	.08	<3	.75	.04	.36	<2	43
EL-30	2	110	1633	1905	1.8	17	12	629	4.14	70	<5	<2	<2	43	23.4	3	<2	78	2.96	.101	3	13	.87	15	.08	<3	1.34	.04	.20	<2	1250
RE EL-30	2	112	1658	1906	1.9	16	12	579	4.14	60	<5	<2	<2	42	24.3	3	4	78	2.95	.100	3	11	.86	15	.08	<3	1.35	.04	.21	<2	2520
RRE EL-30	2	111	1650	1922	2.1	14	12	586	4.11	58	<5	<2	<2	43	24.5	4	<2	78	2.99	.101	3	11	.86	15	.08	<3	1.34	.04	.21	<2	850
EL-31	2	87	7219	387	25.8	13	10	355	3.17	1326	<5	<2	<2	100	5.4	22	3	87	2.48	.117	2	11	.77	43	.15	<3	3.91	.19	.86	3	581
EL-32	2	232	77	150	2.0	30	21	762	5.60	21	<5	<2	<2	65	.9	<2	<2	144	2.38	.119	1	26	1.52	53	.35	<3	2.61	.12	2.01	<2	28
EL-33	6	278	2280	15844	18.7	13	9	295	2.27	1533	<5	5	<2	22	155.2	23	7	20	.76	.027	<1	14	.29	22	.03	<3	.64	.03	.19	<2	8860
EL-34	3	64	19811	4530	109.5	10	26	60	3.25	29337	6	9	<2	2	87.3	116	4	2	.02	.002	1	15	.03	4<.01	<3	.08<.01	.03	<2	13400		
ES6 TR3 (EL10)	3	22338	53	111	93.5	39	9	2987	10.38	24	<5	50	<2	13	2.9	2	<2	19	.34	.018	4	14	.27	59	.01	<3	.60	.01	.11	<2	47600
STANDARD C/AU-R	21	61	45	137	6.9	78	35	1000	4.08	43	15	8	33	47	19.9	21	20	61	.57	.102	39	64	.92	181	.09	26	1.79	.05	.15	10	543

1CP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.  
 ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB  
 - SAMPLE TYPE: ROCK AU\* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.  
 Samples beginning 'RE' are Returns and 'RRE' are Reject Returns.

DATE RECEIVED: OCT 1 '95 DATE REPORT MAILED: *Oct 21/95* SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

## ASSAY CERTIFICATE

AA  
LLAA  
LL

Fleck Resources Ltd. File # 95-4163 Page 1  
305 - 455 Granville St., Vancouver BC V6C 1T1

SAMPLE#	Au**	TOTAL	CONC.
	mg	gm	gm
EL-1	.038	363	10.9
EL-2	.013	413	21.3
EL-6	.863	592	45.6
EL-27	1.406	476	46.8

AU\*\* BY FIRE ASSAY FROM TOTAL SAMPLE.  
- SAMPLE TYPE: P1 PAN CONC. P2 TAILING

DATE RECEIVED: OCT 17 1995

DATE REPORT MAILED:

*Oct 31/95*

SIGNED BY.....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS





ACME ANALYTICAL



ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
EL-1	3	68	51	204	.5	15	10	895	4.01	9	<5	<2	2	42	1.3	3	<2	73	.53	.100	8	46	1.07	257	.18	3	1.88	.08	.81	<2	3
EL-2	3	57	12	101	.5	42	12	669	3.96	15	<5	<2	2	70	.3	2	2	90	.92	.098	7	104	1.56	254	.22	<3	2.47	.19	.58	<2	7
EL-6	2	29	19	107	<.3	18	9	809	4.94	36	<5	<2	2	93	.2	<2	<2	83	1.80	.112	6	61	1.06	451	.15	<3	1.73	.08	.84	<2	4
EL-27	3	44	51	91	.4	23	9	695	3.77	34	6	<2	2	128	.4	2	7	99	2.50	.131	5	77	1.11	383	.23	<3	2.34	.17	.99	<2	2

Sample type: TAILING.

AU\* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

APPENDIX 3

STATEMENT OF QUALIFICATIONS

I, John P. McGoran of 2111 West 34th Avenue, Vancouver, B.C., hereby certify that:

1. I am a graduate of Carleton University (1972) and hold a B.Sc. Degree in Geology.
2. I am a member in good standing of the following associations:  
Canadian Institute of Mining and Metallurgy  
Geological Association of Canada  
American Institute of Mining Engineers  
Prospectors and Developers Association of Canada  
Association of Professional Engineers and Geoscientists
3. I have prospected for twelve years.
4. I have been employed in my profession as an exploration geologist, geochemist and consultant for the last forty years.

DATED at Vancouver, British Columbia,  
this 22nd day of January, 1996.



John P. McGoran, B.Sc., P. Geo. (Geologist)

