

NTS 94K/12 Lat 58° 33' Long 125° 32'

GEOCHEMICAL REPORT on the OKEY PROPERTY Fort Nelson Area, Liard Mining District British Columbia

For work done 29, 30, 31 August and 1, 2, 3, 4, 5 September 1996 on tenure #324922 UTM 6493000 N and 353000 E

for

SEGURO PROJECTS INC 330 East 23rd Street North Vancouver, B.C. V7L 3E5 Tel: 604-986-5275 Fax: 604-986-6150

by

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7 January 1997



ASSESSMENT REPORT

OLOGICAL SURVEY BRANCH

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Reliance Geological Services Inc. -

SUMMARY

This report was written at the request of Seguro Projects Inc to summarize previous exploration work done on the Okey property (formerly Copper-Keays).

The Okey property comprises 1 mineral claim, totalling 20 units in the Fort Nelson area, B.C. The property is situated approximately 170 kilometers west-southwest of Fort Nelson. Access is by rough 4WD road for approximately 37 kilometers south of the Alaska Highway, or by helicopter.

The area was active during the 1950's, 1960's, and early 1970's. Significant discoveries included the Davis Keays (Eagle Vein), Churchill Copper (Magnum Vein), Copper Keays (Neil Vein), and Fort Reliance (Reliance Vein). Churchill Copper produced from 1970-1974, milling 598,000 tons grading 3.00% copper. The Davis-Keays was explored by over 7000 meters of underground development on the Eagle vein. Production was planned, but never commenced due to poor economic and political conditions.

The Okey property was actively explored from 1970-1972. Work included geological mapping, road building, bulldozer trenching, stripping, and seven diamond drill holes totalling 680 meters. Underground development on the Neil vein was planned but never started.

The geology of the Okey property consists of shales and dolomites belonging to the Precambrian Aida formation. Mineralization is associated with a shear zone that parallels a diabase dyke. Chalcopyrite is disseminated and semi-massive within quartz-carbonate veins and breccia zones. The Neil vein has been traced over a strike length of 1190 meters and a vertical extent of 580 meters.

Sampling from trenches on the Neil Vein has outlined potentially economic grades of copper over widths of 1.0 - 1.5 meters. Sampling from a breccia zone at the northeast end of the Neil Vein has outlined enhanced copper values, mainly over 5%. The width of the breccia zone in one area has been reported to be at least 30 meters.

The 1996 program consisted of prospecting and sampling the Neil Vein and associated breccia zone. Ten samples collected from the vein and/or the breccia zone assayed greater_than 2% copper with a high result of 9.95%.

Recommended further work on the Neil Vein should consist of geological mapping, trenching, sampling, and magnetic and VLF-EM surveys to establish drill targets. Estimated cost is \$88,000.

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1.0 INTRODUCTION

This report was prepared at the request of Seguro Projects Inc to describe and evaluate the results of a geochemical program carried out by Reliance Geological Services on the Okey property in the Liard Mining District in the Fort Nelson area of northeast British Columbia, and to make recommendations for further work.

The program was undertaken to appraise the potential of the Okey property to host copper vein-style mineralization similar to other deposits in the area.

Field work was carried out from August 29 to September 5, 1996 by Tom Johnson (geologist) and Hani Zabaneh (geologist), under the supervision of Peter Leriche (P.Geo).

The author has been on the property. This report is based on published and unpublished information, and the maps, reports, and field notes of the field crew of Reliance Geological Services.

2.0 LOCATION, ACCESS and PHYSIOGRAPHY

The Okey claim is located approximately 170 kilometers west-southwest of Fort Nelson, B.C. (Figures 1 and 2).

The claim is found on Map Sheet NTS 94K/12, at latitude 58° 33' North, longitude 125° 32' West, and between UTM 6491500 m and 6493300 m North, and UTM 351000 m and 353500 m East.

Road access is from Mile 442 on the Alaska Highway. A dirt road leads south along the Toad River and Yedhe Creek for approximately 37 km to the central claim area. The road may be washed out in places and cannot be assumed passable at this time. Alternative access is by helicopter from Fort Nelson.

The property is on moderate to steep terrain above treeline, with elevations from 5300 ft (1615 meters) to 7800 ft (2377 meters).

Climate is variable with higher elevations receiving precipitation almost daily during the summer. Winters are cold with approximately 60 cm of snow that stays from September to May. Recommended work season is mid-June to mid-September.





3.0 PROPERTY STATUS

The property consists of 1 claim totalling 20 units (Figure 3) in the Liard Mining Division. The claims are owned 100% by Donald A. Simon.

Details of the claims are as follows:

Clalm .	Record Number	Units	Record Date	Expiry Date
Okey	324922	20	17 April 1994	17 April 1997

The total area covered by the claim is 500 hectares, or 1235 acres.

The writer is not aware of any particular environmental, political, or regulatory problems that would adversely affect mineral exploration and development on the Okey property.



4.0 AREA HISTORY

During the 1940's, copper was discovered in the area while the Alaska Highway was being built. Exploration activity took place during the 1950's and early 1960's, but was most active during the late 1960's and early 1970's. The two main deposits identified in the area were the Davis Keays (Eagle Vein) and the Churchill Copper deposit (Magnum Vein). Other significant copper vein occurrences included the Copper Keay (Neil Vein) and Fort Reliance (Reliance Vein).

From 1967 to 1969, Churchill Copper Corporation conducted drilling at 100 ft centers with some cross-cutting and raising on the Magnum vein, located 9 kilometers southeast of the Okey property. Proven and probable reserves totalling 1,178,000 tons of 3.92% copper were delineated. The mine produced from 1970-1974, milling 598,000 tons of copper ore grading 3.00% copper. The property was later acquired by Teck Corporation.

Between 1967 and 1972, the Davis Keays Mining Company conducted underground development on the Eagle vein, including over 4800 meters of drifting and cross-cutting, 1220 meters of sub-levels, and 1220 meters of raising. The vein was mapped and chip sampled at 3.0 meter intervals. In 1970, MacDonald Consultants Ltd completed a Feasibility Study, which was complemented a year later by an Evaluation Report done by Chapman, Wood & Griswold Ltd.

Results of their reserve calculations are as follows:

MacDonald Consultants

Category	Tons	Copper (%)
Proven	1,007,362	3.56
Probable	562,322	3.18
Sub-total `	1,569,684	3.42
Possible	439,260	undetermined
Total	2,008,944	

Chapman, Wood & Griswold

Category	Tons	Copper (%)
Semi-proven	1,233,700	3.43
Probable	142,000	2.92
Sub-total	1,375,700	3.38
Possible	750,000	undetermined
Total	2,125,700	

Production was planned but never commenced, due to adverse economic and political conditions in the mid-1970's.

On the Reliance vein, located 11 kilometers west of the Okey property, surface grades of chalcopyrite/malachite mineralization were reported to be 6.0% Cu over 2.4 m. Sixteen holes were diamond drilled in 1958-59. Reserves reported by Churchill Copper in 1966 were proven/probable of 127,000 tonnes grading 5.5% Cu, and possible of 109,000 tonnes of similar grade.

5.0 PREVIOUS WORK (Figures 4 and 5)

Between 1970 and 1972, the Copper Keays property was explored by Alberta Copper and Resources Ltd, and the Copper Keays Mining Co.

In 1970, work consisted of 25 kilometers of road building, 360 meters of trenching, and 1053 m² of stripping (G.E.M. 1970).

In 1971, work consisted of 47 kilometers of road building, geological mapping, 520 meters of trenching, and 2875 m² of stripping (G.E.M. 1971).

Haferdahl (1971) reported on sampling from six trenches on the Neil Vein (Figure 4).

Significant	results	are	as	TOIIOWS:	
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Location	Туре	Width (m)	Copper (%)
Trench 2	chip-breccia	1.0	1.15
Trench 2	chip-breccia	1.0	3.67
Trench 3	chip-vein	1.2	1.01
Trench 3	chip-vein	1.2	1.80
Trench 4	chip-shear-vein	1.0	2.79
Trench 6	chip-shear-vein	2.1	2.23

Breccia Zone samples from trench 2 averaged 2.4% Cu over 2.0 meters. Haferdahl reported that chip samples collected in 1969 from elsewhere in the Breccia Zone "contained more than 4.5% Cu."



Burton (1990) reported on additional trench sampling supervised by R.S. Adamson, P.Eng. in the early 1970's (Figure 5).

Туре	Width (m)	Copper (%)
Chip-vein	3.7	3.90
- Chip-vein	1.4	13.00
Chip-vein	1.2	0.84
Chip-vein	1.0	4.70
Chip-vein	1.4	2.40
Chip-vein	1.4	5.80
Chip-vein	1.5	6.50
Chip-breccia	1.8	6.00
Chip-breccia	3.0	10.20
Chip-breccia	2.4	7.00
Chip-breccia	6.6	5.00
Chip-breccia	7.0	4.80

Significant results are documented below:

The last two samples appear to have been collected from the same site.

The Breccia Zone chip samples were collected discontinuously over a width of at least 30 meters.

In 1972, work consisted of diamond drilling seven holes totalling 680 meters (G.E.M. 1972).

The writer has not reviewed any drill hole logs or analytical certificates.

Burton (1990) summarized drill results from the seven holes (Figure 5), and reported that 5 out of 7 holes intersected the vein. Core recovery in the vein averaged 55%.

Significant results are as follows:

Drill Hole	Width (m)	Copper (%)	Recovery (%)
71-1	1.0	1.72	50
71-4	2.4	1.56	75
71-6	1.5	3.44	40
71-7	1.2	0.38	37
71-8	0.6	2.00	75

Underground drifting along the Neil vein was planned, but never commenced due to poor economic and political conditions during the mid-1970's.



6.0 <u>REGIONAL GEOLOGY</u> (taken from Chapman et al, 1971)

"The Davis-Keays (or Copper-Keays) property lies within the eastern edge of the Rocky Mountains in an area of rugged topography. Excellent exposures exist above timberline revealing flat to locally contorted sedimentary rock formations dislocated by extensive regional faulting.

Proterozoic argillites, quartzites, and limestones contain all the known copper deposits, possess generally low dips, are intruded by post-ore diabase dykes of Proterozoic age, and are overlain by unmineralized Palaeozoic formations of Cambrian and later ages. The Proterozoic strata occupy nearly the full width (40-50 miles) of the Rocky Mountains in the south part of the area. Northward they become separated into a north-trending eastern belt (mainly east of upper MacDonald Creek) and wider central and western belts which trend northwest and reach the Alaska Highway west of about Mile 436. The eastern and central belts join in the vicinity of Wokkpash Lake and neither is known to extend at surface north of the Alaska Highway. The Proterozoic strata are bounded partly by northwesterly-trending steep faults and elsewhere by overlaps of the Palaeozoic formations, which occur mainly in downwarps of the Precambrian surface but are also present as outliers on the mountaintops within the Proterozoic belts.

The presently known quartz-carbonate veins, many of which contain chalcopyrite, occur mainly in the western half of the Precambrian with a more or less similar distribution to the subsequent diabase dykes.

The dykes cut the veins and are themselves only weakly mineralized on fractures containing carbonates (principally calcite) and quartz. In places dykes are more strongly mineralized by barren pyrite.

Veins may be much less numerous than dykes, many of which are discernible at a distance on the hill slopes. Dykes and veins generally have more or less similar attitudes, which are relatively constant in certain zones, belts, or parts of the area. Dykes and veins probably occur in, and may be virtually restricted to, these so-called mineral belts.

The best recognized to date is a belt approximately 6 miles wide and 40 miles long that trends north 35 degrees west and contains, from north to south, the known copper deposits of the Davis-Keays, Magnum, John, Lady, Churchill Creek, Ed, and Anne properties.

This belt, which is further marked by a pattern of sporadically developed northwest-trending asymmetric folds with steep east limbs and by the occurrence within it of a huge local pile of Cambrian conglomerate that forms Mt. Roosevelt, contains dykes and veins that mostly strike east of north and possess steep westerly dips.

Most of the known mineralized veins of the region have strikingly similar mineral composition and structural characteristics."

7.0 **PROPERTY GEOLOGY and MINERALIZATION** (Figure 6)

The geology of the Okey property consists of a sedimentary sequence belonging to the Precambrian Aida formation. The main rock types include southwest-dipping dark grey shale, and buff to orange weathering dolomite. Sediments are cut by numerous northeast-trending diabase dykes that range in width from a few meters to approximately 100 meters.

The main diabase dyke strikes at 050° and varies from 2 to 12 meters in width. The dyke is fine-grained and locally serpentinized. A shear zone is associated, extending in places for over 3 meters away from the dyke.

The Neil vein has been explored by trenching and limited drilling over a strike length of 1190 meters, and a vertical extent of 580 meters. The vein strikes at 050° and dips vertically. Widths vary from a few centimeters to over 3.5 meters, but average 1.0 to 1.5 meters.

Mineralization is within a shear zone parallel to the main diabase dyke. A quartzcarbonate vein is infilled with semi-massive to locally massive chalcopyrite and lesser amounts of malachite and azurite.

At the northeast end of the Neil vein, the structure expands into a breccia zone. The zone is approximately 7.5 meters wide, strikes at 080°, and has been traced over at least 60 meters. Angular black dolomite fragments of variable size are surrounded by quartz and ankerite. Chalcopyrite is disseminated in quartz in aggregates up to 3 millimeters.

8.0 <u>1996 GEOLOGICAL and GEOCHEMICAL EXPLORATION PROGRAM</u>

Geochemical sampling was carried out on the property during September 1996 by Tom Johnson (geologist) and Hani Zabaneh (geologist) under the overall supervision of Peter Leriche (P.Geo).

Reliance Employe	ee Address	Dates Worked
Tom Johnson	3125 W. 12th Ave., Vancouver, BC V6K 2R6	29-31 August 1996 1-5 September 1996
Hani Zabaneh	1410 Chippendale Road West Vancouver, BC V7S 2N6	29-31 August 1996 1-5 September 1996

8.1 Methods and Procedures

Rock samples were sent to International Plasma Laboratory Ltd of Vancouver, BC, for analysis of Au by fire assay, Cu by assay, and 29 other elements by ICP methods. Analytical results for Cu are plotted on figure 7. See Appendix A for assay certificates.

8.2 Rock Geochemistry (Figure 7)

Fifty six rock chip samples were collected from the property.

Significant results are documented below:

Sample #	Туре	Width (m)	Copper (%)	Description
17072	Chip	1.3	3.01	Quartz-carbonate vein with minor brecciation. Chalcopyrite is disseminated and in globs. Minor malachite present.
17074	Chip	1.0	2.17	Breccia zone consisting of angular dolomite, quartz and ankerite. Disseminated chalcopyrite occurs in aggregates up to 5 mm wide, and is locally massive. Minor malachite and azurite present.
17075	Chip	0.8	8.01	Same as 17074
17077 \	Chip	1.0	3.48	Same as 17074
17078	Chip	1.0	2.50	Same as 17074
17079	Chip	1.0	3.92	Same as 17074
17080	Chip	1.0	9.95	Same as 17074
17081	Chip	1.0	3.69	Same as 17074
17082	Chip	0.8	4.39	Same as 17074
17124	Chip	0.9	4.50	Same as 17072

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9.0 DISCUSSION

The Okey (formerly Copper-Keays) property is a high grade vein-type copper occurrence which would require underground mining methods.

The Neil vein has been traced over a length of at least 1190 meters before being obscured by overburden. Values from trench sampling have outlined potential economic grades in copper over mineable widths. Limited drilling with poor core recovery intersected the structure in five of seven drill holes. The vein remains to be explored along strike and at depth.

The Breccia Zone at the northeast end of the Neil vein appears to represent the intersection of two shear zones. Individual samples have assayed up to 10.20% Cu and widths up to 7.0 meters. The Breccia Zone has a potential width of at least 30 meters and therefore is a high priority for follow-up work.

10.0 <u>CONCLUSIONS</u>

The Okey property has good potential to host an economic vein-type copper deposit for the following reasons:

- other vein-type copper deposits in the area reached the production or preproduction stage;
- the Neil vein hosts potentially economic copper grades over mineable widths;
- the breccia zone hosts high grade copper values that locally are at least 30 meters wide.

11.0 RECOMMENDATIONS

- a) Establish approximately 50 line kilometers of grid;
- b) Geologically map and rock sample on the grid;
- c) Hand trench at regular intervals and chip sample along the Neil vein and Breccia Zone;
- d) Conduct a magnetic and VLF-EM survey to identify possible mineralized structures buried by overburden.

Contingent upon favorable results, the follow-up program would consist of diamond drilling to test mineralized structures at depth.

12.0 PROPOSED BUDGET

Project Preparation	\$ 1,000
Mobilization	\$ 13,000
Field Crew (2 geologists, 2 geotechnicians; 2 weeks)	\$ 14,980
Field Costs (including helicopter)	\$ 31,860
Analysis	\$ 1,250
Magnetic/VLF-EM Survey	\$ 10,000
Report	\$ 2,500
Administration	\$ 7,410
7% GST	\$6,000
Total	\$ 88,000

REFERENCES

Archer, Cathro, and Associates, (1981): Northern B.C. Mineral Inventory, Davis-Keay Prospect, ID# 94K 12, 13, 14, 15, 16, 17, 55, 56.

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Sivertz, G., (1995):

Summary Report on the Okey property, Fort Nelson area, Liard Mining District, British Columbia (unpub.)

CERTIFICATE

I, PETER D. LERICHE, of 3125 West 12th Avenue, Vancouver, B.C., V6K 2R6, do hereby state that:

- 1. I am a graduate of McMaster University, Hamilton, Ontario, with a Bachelor of Science Degree in Geology, 1980.
- 2. I am registered as a member in good standing with the Association of Professional Engineers and Geoscientists of British Columbia.
- 3. I am a Fellow in good standing with the Geological Association of Canada.
- 4. I have actively pursued my career as a geologist for fifteen years in British Columbia, Ontario, Labrador, the Yukon and Northwest Territories, Montana, Oregon, Alaska, Arizona, Nevada, California, and Mexico.
- 5. The information, opinions, and recommendations in this report are based on a study of published reports and unpublished reports on the Okey property.
- 6. I consent to the use of this report only in its entirety in an EOP or other document used for the purposes of private or public financing.

RELIANCE GEOLOGICAL SERVICES INC

Dated at North Vancouver, B.C., this 7th day of January, 1997.

CERTIFICATE

I, THOMAS E. JOHNSON of 3125 West 12th Avenue, Vancouver, B.C., V6K 2R6, do hereby state that:

- 1. I am a graduate of Queen's University, Kingston, Ontario, with a Bachelor of Science Degree in Geology, 1993.
- 2. I have actively pursued my career as a geologist for one and a half years in Labrador and British Columbia.
- 3. The information, opinions, and recommendations in this report are based on a study of published reports and unpublished reports, and field work carried out under my supervision on the Okey property during August and September, 1996.

RELIANCE GEOLOGICAL SERVICES INC

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Thomas E. Johnson, B.Sc.

Dated at North Vancouver, B.C., this 7th day of January, 1997.

APPENDIX A

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SAMPLE DESCRIPTIONS

------ Reliance Geological Services Inc.

Sample #	Туре	Width	Description
17051	Chin	1.0	Shale with small quartz veinlets
17051	Chip	1.0	As above
17052	Chip	1.0	As above
17055	Chip	1.0	As above
17055	Chip	2.0	Shale interfingered with diabase
17056	Chip	1.0	Shale with small quartz veinlets
17057	Chip	1.0	As above
17058	Chip	1.0	Diabase dyke
17059	Chip	1.0	Breccia - quartz with angular dolomite and shale
17060	Chip	2.0	Diabase dyke - trace malachite and chalcopyrite (<1%)
17061	Chip	2.0	Shale
17062	Chip	1.0	Breccia - malachite and azurite (<5%)
17063	Chip	1.0	Breccia - veinlets of cpy and mal (<5%)
17064	Chip	3.0	Diabase dyke
17065	Chip	3.0	Diabase dyke
17066	Chip	3.0	Shale
17067	Chip	3.0	Shale with small quartz veinlets - cpy (2%)
17068	Chip	3.0	Diabase
17069	Chip	0.8	Diabase with quartz stringers
17070	Chip	0.8	Quartz carbonate with fingers of diabase - cpy and mal (<5%)
17071	Chip	1.0	Quartz carbonate vein - mal (5-8%)
17072	Chip	1.3	Quartz-carbonate vein with minor brecciation. Chalcopyrite is disseminated and in globs. Minor malachite present.
17073	Chip	1.1	Breccia zone consisting of angular dolomite, quartz and ankerite. Disseminated chalcopyrite occurs in aggregates up to 5 mm wide, and is locally massive (2%).
17074	Chip	1.0	As above - malachite and azurite (2%).
17075	Chip	0.8	As above - mal and cpy (8-10%).
17076	Chip	1.8	As above - mal and cpy (2%).
17077	Chip	1.0	As above - mal (2%) and cpy (3%).
17078	Chip	1.0	As above - mal (3%) and cpy (2%).
17079	Chip	1.0	As above - mal, az and cpy (3%).
17080	Chip	1.0	As above - mal (5%) and cpy (10%).
17081	Chip	1.0	As above - mal (2%) and cpy (4%).

Sample #	Туре	Width	Description
		(m)	
17082	Chip	0.8	As above - mal (2%) and cpy (4%).
17083	Chip	1.0	Quartz carbonate vein - mal (5%) and cpy (2%).
17084	Chip	1.0	As above - mal (3%) and cpy (1%).
17085	Chip	1.0	Quartz carbonate vein - no visible mineralization.
17086	Chip	1.0	Breccia - mal (3%) and cpy(2%)
17087	Chip	1.0	As above - mai (2%) and cpy (1%).
17088	Chip	1.0	As above - mal (1%) and cpy (1%).
17089	Chip	1.0	As above - mal and cpy (<1%).
17090	Chip	1.0	Diabase dyke - mal (<1%)
17091	Chip	0.3	Shale - malachite staining (2%)
17092	Chip	0.45	Quartz carbonate vein - mal (5%), az and cpy (1%)
17093	Chip	1.0	Shale with thin quartz stringers - mal and cpy (<1%)
17094	Chip	0.25	Quartz carbonate vein - mal and az (1%)
17095	Chip	0.35	Shale with quartz stringers - mal (<1%)
17096	Chip	0.25	Quartz carbonate vein - mal and az (3%)
17097	Chip	1.0	Shale with quartz stringers - mal and az (2%)
17098	Chip	1.0	As above - trace malachite and azurite.
17099	Chip	0.85	Quartz carbonate vein - mal and az (2%), cpy (<1%)
17100	Chip	2.5	Dolomite with quartz stringers - mal and cpy (<1%)
17101	Chip	4.5	Dolomite - no visible mineralization
17102	Chip	2.5	As above
17103	Chip	1.0	As above - mai and cpy (<1%).
17104	Chip	1.0	Breccia - mal (4%) and cpy (<1%)
17105	Chip	1.0	Breccia - mal (2%) and cpy (<1%)
17124	Chip	0.9	Quartz carbonate vein - mal and cpy (2%)

APPENDIX B

ASSAY CERTIFICATES

— Reliance Geological Services Inc. —

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INTERNATIONAL PLASMA LABORATORY LTD.

CENTIFICATE OF ANALYSIS

iPL 9610876

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Phone (604) 879-7878 Fax (604) 879-7898

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	υυυυυ	11 7470	top	יד	10	000			a Thalle	11		
	o, cox/oo+ occo	111 /4/P	ICP top	11	10	333	ppm ii ICP IU	ppm (incomplet	e inalihum	11		
All: Iom Johnson	Ph: 604/984-3663	12 705P	ICP	Bi	2	999	ppm Bi ICP		Bismuth	12		
	Fx:604/988-4653	13 707P	ICP	Çd	0.1	100	ppm Cd ICP		Cadmium	13		
		14 7109	ICP	Co	1	999	ppm Co ICP		Cobalt	14		
		15 718P	ICP	NI	1	999	ppm Ni ICP		Nickel	15		
		16 704P	ICP	8a	2	9999	ppm Ba ICP (I	ncomplete Diges	t Barium	16		
		17 727P	ICP	W	5	999	DDm W ICP (I	ncomplete Diaes	t Tunosten	17		
		18 709P	TCP	Cr	1	9999	DDm Cr ICP (I	ncomplete Dines	t Chromium	18		
		19 729P	TCP	Ň	2	999	opm V TCP	i oompiiooo biyoo	Vanadium	19		
		20 716P	TCD	Mo	ĩ	0000	DOM MO ICP		Mangangeo	20		
		20 710	TOP	1.01		2022	ppin nin 16r		nanyanese	20		
		21 7130	TCP	la	2	0000	oom La ICP (I	acomolete Dines	t laothanum	21		
		22 723P	TCP	Sr	ī	0000	pom Sr ICP (1	ncomplete Diges	t Strontium	22		
		22 7210	TCD	7	1	000	ppin on ICP	icomplete biges	Zirconium	21		
		23 7316		21 C_		333			Secolium	20		
		24 730P	TOP	১C T.	~ ~!	1 00			Scandium	24		
		25 726P	ICP	11	0.01	1.00	% 11 ICP (1	ncomplete Diges	t intannum	25		
		26 7010	TOD	41	0.01	0 00	9 A1 TCD (T	ncomplete Diges	+ Aluminum	26		
		27 7000		2	0.01	0.00		ncomplete Diges	t Calaium	27		
		27 7088	TOP	Ca F	0.01	9.99		ncompilete viges		27		
		28 712P	ICP	Fe	0.01	9.99	% re ICP		Iron	28		
		29 715P	ICP	Mg	0.01	9.99	% Mg ICP (1	ncomplete Diges	t Magnesium	29		
		30 720P	ICP	к	0.01	9.99	%K ICP (I	ncomplete Diges	t Potassium	30		1
		31 722P	ICP	Na	0.01	5.00	% Na ICP (I	ncomplete Diges	t Sodium	31		
		32 719P	ICP	Р	0.01	5.00	% P ICP		Phosphorus	32		[
												1
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		L]
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EN=Envelope # RT=Report Style CC=Copies IN=Invoices FX=Fax(1=Yes U=No) DL=DownLoad 3D=3-1/2 Disk 5D=5-1/4 Disk BT=BBS Type BL=BBS(1=Yes 0=No)

CERTIFICATE OF ANALYSIS

2036 Columbia Street Vancouver, B.C.

Canada V5Y 3E1

iPL 9610876

Client: Reli roject: J940	ance	Geolo 56	gical S Rock	èrvio	æs Lto	1	iPL: 9	61087	6		Ou I	t: Se n: Se	ер 19 ер 12	, 199 , 199)6)6	[08	37610:	;44:0	07:69	Page 90919	e 1 o 996]	f 2	Cert	Sec ifie	tion d BC	1 c Assa	of 2 Iyer: D	avid C	^{thiu} _		Ð
ample Name		Au ppb	Cu X	Ag ppm	Cu ppm	РЬ ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	דן ppm	Bi ppm	Cd ppm	Co pprn p	Ni opmr	Ba ppm j	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	A1 X	Ca X	Fe X	M	lg Z
7051 A	R	5	<	<	18	3	7	9	<	<	8	<	<	0.1	9	2	15	<	147	4	517	6	22	3	1		0.16	3.78	0.91	2.1	3 Ö
7052 A	R	<	<	<	6		2	~	<	<	5	<	<	<	4	6	18	<	216	2	348	2	18	2	1		0.11	2.69	0.73	1.4	80
7053 A	ĸ	2	<	< 0 1	21		12	28	<	<	Ä	<	<	<	0	6	18	<	205	2	269	3	17	3		Sector -	0.12	2.34	0.79	1.20	ь <u></u> Юй
7054 A	к ñ	< 2	<	0.1	9		4	<	<	<	ိုးဦ			0.1	10	്റ്	12	<u> </u>	231	2	90	4	9	4	<		0.15	0.70	0.47	0.2	.9 U M 8
7055 A	ĸ	۷	<	<	4	4	4	<	<	<	9	<	<	U. I	15	37	15	<	59	9	3 13 /	0	07	/	4	8835	0.95	9.00	2.70	0.04	4 <u>v</u>
7056 A	Ŕ	4	<	<	7	2	4	8	<	<	5	<	<	<	10	9	11	<	156	7	464	6	27	9	6		0.58	3.35	1.45	2.1	8 0
7057 A	Ŕ	3	<	<	37		16	<	<	<	9	<	<	0.3	8	8	11	<	145	10	786	7	53	4	6	899999 1913 - C	0.42	5.83	1.89	3.4	лŐ
7058 A	Ŕ	<	0.01	<	81	2	43	23	<	<	4	<	<	<	33	35	9	<	56	417	362	15	25	2	24 i	0.01	4.20	2.14	7.09	4.8	រា ព្
7059 A	R	3	<	<	7	2	11	<	<	<	7	<	<	<	7	11	11	<	95	25	1131	9	88	5	4		0.92	8.64	3.31	5.10	6 (
7060 A	Ŗ	<	0.02	<	207	4	33	11	<	<	3	<	<	<	29	31	9	<	49	347	373	10	46	3	23 (0.01	3.19	3.49	6.31	4.24	4 Ç
7061 A	Ŕ	3	0.03	<	317	31	4	7	<	<	2	<	<	0.2	16	7	44	<	30	7	698	10	30	9	4	× .	0.41	6.58	1.80	3.6	8 0
062 A	Ŕ	14	0.98	<	10404	5	24	<	<	<	7	<	5	0.6	9	9	86	<	92	13	1053	5	36	6	5		0.37	6.82	2.58	3.7	8
7063 A	Ŕ	49	0.86	<	8630	3	21	<	<	<	3	<	3	0.2	12	25	20	<	124	14	677	10	20	5	5	<	0.53	3.39	2.11	2.0	12 İ
'064 A	Ŕ	2	0.02	<	204	4	42	14	<	<	4	<	<	<	38	34	96	<	51	439	392	11	19	3	30 (0.01	4.20	2.29	8.14	4.6	3
065 A	R	2	0.01	0.2	89	2	40	13	<	<	4	<	<	<	30	29	13	<	55	372	595	11	27	2	24 (0.01	3.86	2.45	8.09	4.4	4
066 A	Ŕ	3	<	<	18	15	7	9	<	<	4	<	<	0.4	10	7	113	<	15	17	588	12	48	8	5	<	0.69	7.55	1.80	4.1	2
067 A	Ŕ	7	0.50	0.5	5064	26	14	<	<	<	3	<	<	0.6	5	8	29	<	58	14	798	11	44	8	4		0.68	6.95	2.15	3.7	4
7068 A	Ŕ	3	<	0.1	73	5	92	8	<	<	5	<	<	<	39	28	65	<	43	378	609	11	45	4	29	0.04	4.09	3.40	8.57	3.91	/1
069 A	Ř	17	0.01	<	96	6	10	41	<	<	3	<	<	0.3	36	35	93	<	69	25	734	27	19	10	4	<	1.40	2.16	2.66	2.0	3
070 A	R	78	0.81	<	8177	2	27	17	<	<	4	<	<	0.5	10	20	34	<	160	7	702	5	16	6	6	<.	0.59	3.37	2.92	2.08	8
071 🗚	Ŕ	8	0.90	0.2	9549		17	<	<	<	9	<	4	<	7	9	9	<	178	4	223	<	9	1	9	<	0.07	2.50	1.52	1.3	4
072 A	Ŕ	6	3.01	<	3.17	<	49	<	<	<	5	<	<	<	5	13	13	6	178	3	263	<	19	2	4	<	0.13	2.36	3.70	1.6	5
073 A	Ř	<	1.26	<	12236	<	20	<	<	<	8	<	2	<	9	12	20	<	119	5	418	2	29	3	5	<u> </u>	0.20	4.93	3.22	6,46	6
074 A	Ŗ	3	2.17	0.2	2.27	<pre></pre>	35	6	<	<	5	<	<	<	9 §	16	20	<	132	4	462	<	28	4	4		0.23	4.13	4.42	3.6	9
075 A	Ŗ	4	8.01	2.8	9.47		126	<	<	<	6	<	<	<	5 §	9	29	18	126	5	-221	<	16	4	5	388 5	0.12	2.72	7.96	1.78	8
076 A	Ŕ	5	0.47	<	4845		12	<	<	<	4	<	<	0.5	9 🖁	18	18	<	118	6	516	<	70	4	6	<	0.40	7.88	2.92	5.9	5
077 A	Ŕ	<	3.48	2.1	3.57		57	<	<	<	4	<	<	<	3	8	16	7	134	3	167	<	10	4	3		0.10	1.56	5.72	0.78	8
078 A	Ŕ	2	2.50	2.4	2.47		44	<	<	<	6	<	<	<	9 🕺	12	35	5	103	4	426	<	29	3	4		0.08	5.19	5.73	2.7	2
7079 A	Ř	2	3.92	3.5	3.77	<	60	<	<	<	4	<	<	<	6	2	33	7	85	4	419	<	31	6	3	<	0.16	4.99	5.72	2.77	2
080 A	Ŗ	21	9.95	4.9	9.87	4	145	<	<	<	6	<	<	<	7 🖇	13	19	21	81	5	157	<	7	4	3	5995 5	0.13	1.49	8.88	0.93	3
081 A	Ŕ	4	3,69	3.2	3.37	4	51	<	<	<	4	<	<	<	8 8	15	16	9	116	4	279	<	28	3	3		0.24	4.05	4.13	2.3	8
1082 A	Ŕ	Ż	4.39	2.6	4.37	3	72	<	<	<	7	<	<	<	6	8	26	10	126	5	326	<	20	3	4		0.14	3.84	5.06	2.0	2
7083 A	Ŕ	<	0.81	0.2	8006		15	<	<	<	5	<	<	<	4	8	26	<	214	<	257	<	6	2	1		0.09	0.72	1.44	0.2	4
7084 A	Ŕ	<	0.53	0.1	5447	*	11	<	<	<	9	<	<	0.2	7	9	25	<	188	3	310	<	19	2	5		0.10	3.80	1.81	1.9/	4
085 A	Ř	<	0.02	<	259		3	<	<	<	4	<	<	0.4	6	4	39	<	76	5	589	4	98	4	3		0.42	9.88	2.59	6.43	2
086 4	Ŕ		1 00	0.1	10956	a a a a a a a a a a a a a a a a a a a	22				<u>o</u>				13 8	17	26	e	208	41	276	~	18	6	5 (0202	0.44	2.41	3.05	1.4	2
7087 A	Ŕ	12	0,76	0.1 <	7705		ےد 14	ì	Ì	è	4	Ì	è	Ì	.9	12	23	è	130	5	544	Ì	29	5	4		0.20	5.77	3.29	3.4	\tilde{z}
7088 A	Ŕ	<	1.05	<	10421		18	<	<	<	8	<	<	0.4	6	8	28	<	148	3	310	<	18	5	5	 	0.18	3.89	2.25	2.1	6
7089 A	Ř	<	0.06	<	507	2	2	<	<	<	3	<	<	0.4	5	6	35	<	88	4	532	<	23	6	5		0.32	6.50	1.83	3.36	6
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	0.01	0.1				r	r	2	1	10	<u>, ,</u>	0 1	•	1	- -	 F	•	· ·				1		1 01	0.01	0.01	0.01	0.0	
n Limit Doogustuud#		2	100.00	0.1	20000	20000	20000	с • оооо	ວ - 0000	3 1000 -	l nonn	000	000	00.1	000.0	ו 200 כ	ے 1000 (	5 199	10000	000	1 0000	ے ا ممم	10000	1000	00.1	1 00	0.01	9 69	0.01	0.0	יי 10
A RELATION		,,,,		33.9	1.0000	1.0000						000	202								. مرموم ب				<i></i>				2.25		÷.

	je zako o kana se			iPL 9610	876	Vancouver, B.C. Canada V5Y 3E1 Phone (604) 879-78
INTERNATIONAL P	LASMA LABORATOR	Y LTD.		0 . 0 10 1005	D 1 -f	Fax (604) 879-78
Client: Reli Project: J940	iance Geolo ) 56	gical Services Ltd Rock	int: 3010876	In: Sep 19, 1996	[087610:44:08:69091996]	Certified BC Assayer: David Chiu
Sample Name	Na Z	P X				L
17051 A	Ř 0.02 0	.04				
17052 A	Ŕ 0.02 0	.03				
17053 A	Ŕ 0.02 0	.03				
17054 A	Ř 0.02 0	.09				
17055 A	Ř 0.02 0	. 02				
17056 A	R 0.02 0	.04				
17057 A	Ŕ 0.02 0	- 04				
17058 A	Ř 0.01 0	. 16				
17059 A	<u>R</u> 0.02 0	. 02				
17060 A	<u>R</u> 0.01 0	. 14				
17061 A	Ř 0.01 0	.04				
17062 A	Ř 0.02 0	.07				
17063 A	Ř 0.02 0	.04				
17064 A	Ř 0.01 0	.15				
17065 A	Ř 0.01 0	.13				
17066 A	Ř 0.02 0	.03				
17067 A	Ř 0.02 0	.05				
17068 A	Ŕ 0.03 0	. 14				
17069 A	Ř 0.02 0	.05				
17070 4	ຮັດດາວດ	0.6				

8 0.02 0 <b>.04</b>				
Ř 0.02 0.04				
Ř 0.03 0.16				
Ř 0.02 0.05				
Ŕ 0.02 0.07				
Ř 0.02 0.27				
K 0.02 0.03				
K U.U2 U.14				
K 0.02 0.08				
K 0.02 0.14				
K 0.01 0.31				
Ř 0.02 0.13				
Ř 0.02 0.16				
Ŕ 0.02 0.13				
Ř 0.02 0.05				
₿ 0.02 0.11				
<b>ΰ ο ολ ο ο</b> τ				
β 0 02 0 05				
κ 0.02 0.03 β 0.02 0.05				
κ 0.02 0.00 Ε΄ 0.02 0.18				
	R       0.02       0.04         R       0.02       0.04         R       0.02       0.05         R       0.02       0.05         R       0.02       0.07         R       0.02       0.07         R       0.02       0.03         R       0.02       0.03         R       0.02       0.14         R       0.02       0.13         R       0.02       0.13         R       0.02       0.15         R       0.02       0.15         R       0.02       0.11         R       0.04       0.07         R       0.02       0.05         R       0.02       0.05         R       0.02       0.05	R       0.02       0.04         R       0.02       0.04         R       0.02       0.05         R       0.02       0.07         R       0.02       0.07         R       0.02       0.07         R       0.02       0.27         R       0.02       0.27         R       0.02       0.14         R       0.02       0.14         R       0.02       0.14         R       0.02       0.13         R       0.02       0.05         R       0.02       0.05	R       0.02       0.04         R       0.02       0.04         R       0.02       0.05         R       0.02       0.07         R       0.02       0.27         R       0.02       0.27         R       0.02       0.14         R       0.02       0.13         R       0.02       0.13         R       0.02       0.13         R       0.02       0.13         R       0.02       0.05         R       0.02       0.05         R       0.02       0.11	k       0.02       0.04         k       0.03       0.16         k       0.02       0.05         k       0.02       0.07         k       0.02       0.27         k       0.02       0.27         k       0.02       0.14         k       0.02       0.13         k       0.02       0.13         k       0.02       0.05         k       0.02       0.06

Min Limit 0.01 0.01

Max Reported* 5.00 5.00

Method ICP ICP --=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898

![](_page_38_Picture_0.jpeg)

# CERTIFICATE OF ANALYSIS

∠036 Comunia Street

Vancouver, B.C.

Canada V5Y 3E1

iPL 96I0876

Client: Reli	ance	Geolo	gical S	Servio	es Ltd	I	iPL: 9	61087	6		Out	: Sep	19,	1996	ı.				Page	2 0	f 2		Sec	tion	1 o	F 2			À	A
roject: J940		56	Rock								In	: Sep	12,	1996	[	08761(	): 44:	08:69	90919	96]		Cert	ifie	d BC	Assa	yer: C	lavid (	Chiu _		2
ample Name		Ач ррђ	Cu Z	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	TI B ppm pp	n p	Cd pm p	Co Ni pnippni	Ba ppm	₩ ppm	Cr ppm	V ppm	Мо ррт	La ppm	Sr ppm	Zr ppm	Sc ppm	Ťi 7	۲A ۲	Ca X	Fe X	Mc Z	) 2
7090 A	Ŗ	<	0.20	<	1894		67	26	<	<	4	<	<	<	46 34	9	<	36	350	506	8	17	3	22 (	0.01	4.69	2.33	8.46	5.45	5 Č
7091 A	Ř	6	0.64	<	5971	11	44	19	<	<	4	<	<	<	40 35	11	<	75	69	152	12	5	7	6		2.66	0.31	5.77	2.75	ίČ
7092 A	Ř	<	0.59	<	6239	3	14	<	<	<	3	<	<	<	10 17	6	<	175	3	100	6	3	3	1		0.37	0.20	1.56	0.26	ί
7093 A	Ř	<	0.02	<	208		1	5	<	<	7	<	<	<	2 4	18	<	157	3	19	10	6	6	1		0.22	0.09	0.55	0.04	ŧč
7094 A	Ŕ	<	0.16	<	1729		4	<	<	<	6	<	< 0	.1	4 10	44	<	289	<	69	3	5	3	1		0.13	0.26	0.60	0.12	2 0
7095 A	Ŗ	18	0.02	0.1	225		2	11	<	<	6	<	< 0	. 1	4 4	21	<	119	5	15	16	6	4	1	<	0.35	0.21	0.45	0.05	5 Ç
7096 A	R	<	0.57	<	5749		10	<	<	<	5	<	<	<	14 14	8	<	205	2	158	5	6	3	3		0.18	0.92	0.88	0.48	3 j
7097 A	Ř	4	0.16	<	1813		4	6	<	<	6	<	<	<	7 8	24	<	127	4	24	13	7	5	2	ann ge Se	0.28	0.13	0.75	0.07	11
7098 A	Ŕ	3	0.20	<	2153		5	8	<	<	4	<	<	<	7 🗐	21	<	133	4	42	19	6	6	2		0.32	0.30	0.69	0.13	3
7099 A	Ř	8	0.14	0.2	1441	3	5	<	<	<	8	<	< 0	.2	3 7	10	<	198	<	188	<	8	1	1		0.08	0.78	2.39	0.41	I
7100 A	Ŕ	<	0.02	<	175		2	<	<	<	4	<	< 0	.4	4 3	19	<	38	6	637	<	45	3	3		0.15	9.78	3.15	11	7
/101 A	ĸ	<	0.02	<	186	5 nanoneka	8	<	<	<	4	<	< 1	.3	3 _4	29	<	- 38	29	597	<	66	4	- 4 Ç	)_01_	0.36	117	2.35	9.52	2
/102 A	ĸ	<	0.01	<	93	<u> </u>	2	<	<	<	4	<	<	<	4 22	15	<	17	3	564	<	85	4	2		0.16	117	1.66	12	7
7103 A	R	<	0.04	<	360	7	3	<	<	<	5	<	< 1	.2	14 9	14	<	38	4	510	<	90	5	3	anan Anan	0.20	107	2.06	9.48	3
104 A	R	<	0.18	0.2	1847		6	<	<	<	4	<	<	<	6 8	7	<	181	3	352	3	27	3	1	~	0.13	1.92	1.27	0.95	j
'105 A '124 A	Ŕ	< 7	0.11 4.50	< 2.8	1169 4.6 <b>%</b>	3	7 101	< <	< <	< <	8 5	< ·	<	< <	13 13 9 10	9 14	< 10	190 96	7	133 849	10 3	10 60	4	ן ז	~	0.42	0.58 9.17	1.34	0.47	,
in 1 imit		2	0,01	0.1	1	2	1	5	5	3	1	10	2 0	1												0.01	0.01	0.01	0.01	_

Method ICP ICP ICP ----=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 Z=Estimate Z Max=No Estimate International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898

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# CERTIFICATE OF ANALYSIS

Page 2 of 2

[087610:44:09:69091996]

iPL 9610876

Out: Sep 19, 1996

In: Sep 12, 1996

![](_page_39_Picture_3.jpeg)

Project: J940

Sample Name

17090 A 17091 A

17092 A

17093 A

17094 A

17095 A

17096 A

17097 A

17098 A 17099 A

17100 A 17101 A

17102 A 17103 A

17104 A

17105 A 17124 A

Client: Reliance Geological Services Ltd

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56 Rock

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iPL: 96I0876

![](_page_39_Picture_4.jpeg)

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nternational Pla	sma Lab Ltd. 2036 Colum	bia St. Vancouver BC	V5Y 3E1 Ph:604/879-7	878 Fax:604/879-7898		

#### ITEMIZED COST STATEMENT

### J940 - Okey Project (29 Aug - 5 Sep 1996)

Project preparation				\$	700
Mobilization / demobilization (incl freight, transport, wages)					1,000
Field Crew	Ra	ate	<u>Unit</u>		
Tom Johnson, Project Geologist	\$390	/day x	8 days	\$ 3,120	
Hani Zabaneh, Prospector	\$240	/day x	8 days	1,920	5,040
Field Costs:	Ra	ate	<u>Unit</u>		
Helicopter	\$850	/hr x	4.5 hrs	\$ 3,825	
Food & Accommodation	\$105	/day x	16 days	1,680	
Communications	\$30	/day x	8 days	240	
Supplies	\$20	/day x	8 days	160	
GPS rentals	\$20	/day x	8 days	160	6,065
Assavs & Analysis: 56 rock samples @ \$25/sample Freight					1, <b>40</b> 0 200
Subcontractors Orthophoto					1,575
Report: incl map prep, writing, editing, copying, and bin	ding				600
Administration, incl Overheads and Profit				-	1,658
Sub-total				\$	18,238
plus 7% G.S.T.				_	1,277
TOTAL				\$	19,515

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![](_page_41_Figure_0.jpeg)

![](_page_41_Picture_1.jpeg)