

LOG NO: 0215	RD
ACTION:	
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**REGIONAL GEOLOGY
 AND
 GEOCHEMICAL REPORT
 ON THE
 ISK 1 - 4 CLAIM GROUP
 LIARD MINING DIVISION, B.C.**

SUB-RECORDER RECEIVED FEB 12 1990	N.T.S. 104 B/15 E
M.R. # \$	
VANCOUVER, B.C.	LONGITUDE: 130°36' West LATITUDE: 56°50' North

FOR

**ECSTALL MINING CORPORATION
 OMEGA GOLD CORPORATION**

JANUARY, 1990

JOHN A. NICHOLSON B.Sc.

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

19,636

SUMMARY

The Isk 1 - 4 claim block is located at the juncture between the Iskut River and the Forrest Kerr Creek, on N.T.S. map sheet 104 B/15 at a longitude of 130°36' West and latitude of 56°50' North. The Isk 1 - 4 claim block consists of 72 units and is presently held by Ecstall Mining Corp. (50%) and Omega Gold Corp. (50%). The property is located 23 kilometers by helicopter north of Calpine Resources' and Stikine Resources' Eskay Creek Gold discovery. The property was staked by Ecstall/Omega in 1988 to cover favourable rocks that were mapped in the area by the Geological Survey of Canada.

A regional program costing \$8989.25 in 1989 returned some discouraging results and some intriguing results from the property. Additional prospecting and sampling should be undertaken on those areas not yet explored.

TABLE OF CONTENTS

	<u>Page</u>
SUMMARY	i
TABLE OF CONTENTS	ii
LIST OF FIGURES	iii
INTRODUCTION	1
LOCATION AND ACCESS	2
CLAIM STATUS	4
PHYSIOGRAPHY AND CLIMATE	6
HISTORY	7
REGIONAL GEOLOGY	8
LOCAL GEOLOGY	12
MINERALIZATION	14
GEOCHEMICAL SAMPLING RESULTS	15
CONCLUSIONS AND RECOMMENDATIONS	16
STATEMENT OF QUALIFICATIONS	17
REFERENCES	18
STATEMENT OF COSTS	19
CLAIM RECORDS	APPENDIX i
ASSAY TECHNIQUES AND RESULTS	APPENDIX ii

LIST OF FIGURES

	<u>Page</u>
1) LOCATION MAP	3
2) CLAIMS MAP	5
3) REGIONAL GEOLOGY	9
4) TABLE OF RELATIONSHIPS BETWEEN PLUTONISM, VOLCANISM, AND MINERALIZATION	11
5) GEOLOGY AND SAMPLE LOCATION	(In Back Envelope)

INTRODUCTION

The Isk 1 - 4 claim block is in the Liard Mining Division. The claim block consists of 70 units and this was worked during the 1989 summer season by crews of Nicholson and Associates.

Initial ground work carried out by the crews on the claims consisted mainly of reconnaissance mapping and silting on the property. The results were somewhat disappointing and little mineralization was found. A total of \$8,989.25 was expended on the property during the 1989 field season. Anomalous antimony values require explanation and other areas of the property still have to be investigated.

LOCATION AND ACCESS

The Isk 1 - 4 claim block is located 23 kilometers north of Calpine Resources' - Stikine Resources' Eskay Creek Gold Project. The property is situated at a longitude of 130°36' West and a latitude of 56°50' North on N.T.S. map sheet 104 B/15 within the Liard Mining Division (see Figure 1). The property at present is accessed only by helicopter from either Bell 2 along the Stewart-Cassiar Highway or from Stewart, B.C. Other means of access can be obtained by flying on regular scheduled flights from Smithers or Terrace, B.C. to Bronson airstrip located on the Iskut River and then by helicopter 34 kilometers to the Isk 1 - 4 claim block. At present no roads access the property. Future road proposals to the Unuk River area come to within 2 kilometers of the property.

PROPERTY LOCATION



Kilometres 0 40 80 120
 Scale: 1:8,000,000

**OMEGA GOLD CORPORATION
 ECSTALL MINING CORPORATION**

ISK-1 - 4 PROPERTY
 LIARD MINING DIVISION, B. C.
LOCATION MAP

NICHOLSON & ASSOCIATES

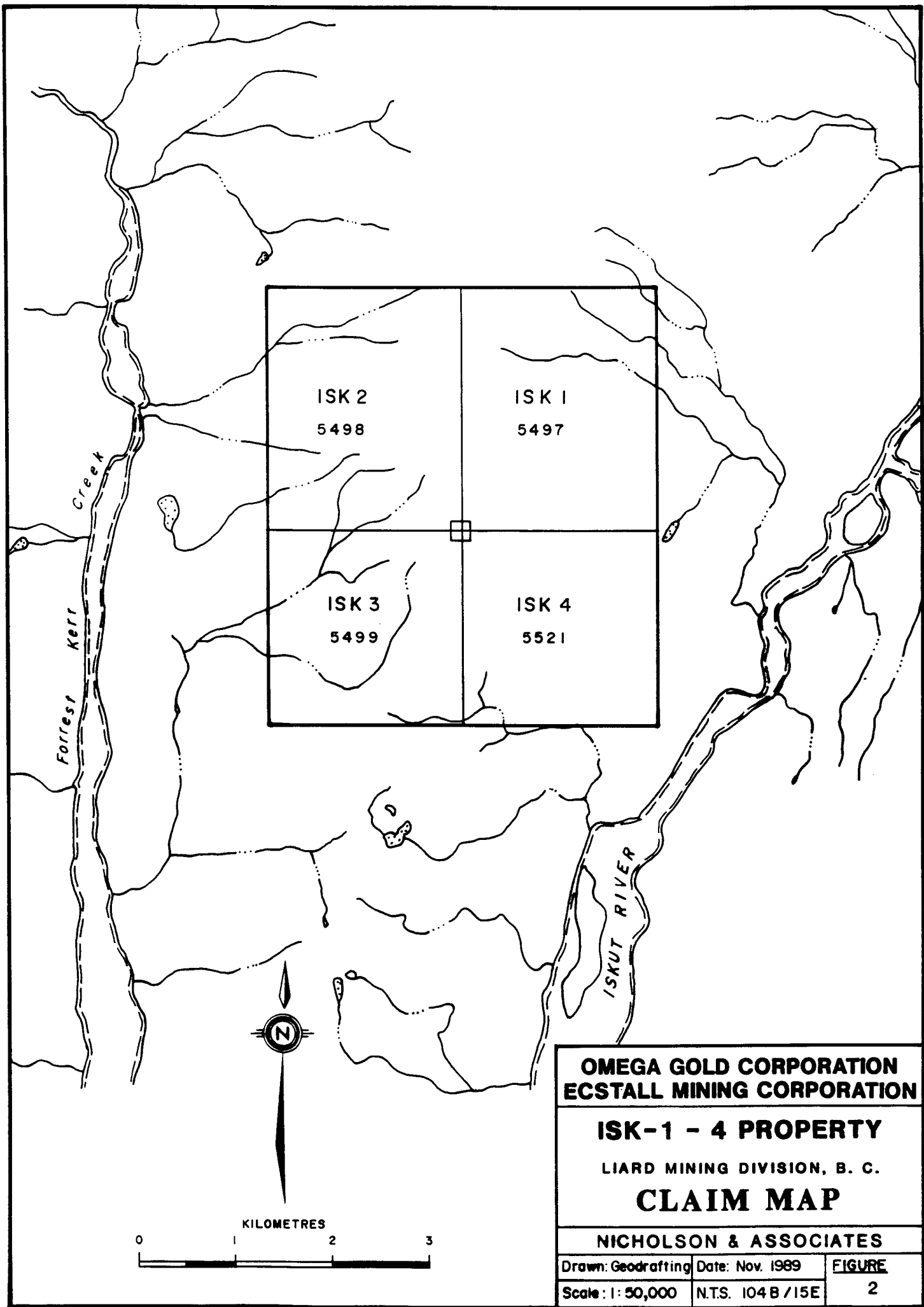
Drawn: Geodrafting	Date: Nov. 1989	FIGURE
Scale: 1:8,000,000	N.T.S. 104B / 15E	1

CLAIM STATUS

The Isk claim block, which consists of Isk 1 - 4, was staked in November of 1988 for Chris Graf. The claims were staked in accordance to the new modified grid system. The Isk claim block (Figure 2), was later transferred to Ecstall Mining Corp. and Omega Gold Corp. which together hold the claim on a 50/50 basis (see Appendix i). The claims have since been group and are known as the ISK GROUP. Summarized below is the pertinent claim information.

<u>Claim</u>	<u>Units</u>	<u>Record #</u>	<u>M.D.</u>	<u>Expiry Date*</u>
Isk 1	20	5497	Liard	Nov. 14/90
Isk 2	20	5498	Liard	Nov. 14/90
Isk 3	16	5499	Liard	Nov. 14/90
Isk 4	16	5521	Liard	Nov. 23/90

* After filing the 1989 work for assessment purposes.



**OMEGA GOLD CORPORATION
ECSTALL MINING CORPORATION**

ISK-1 - 4 PROPERTY

LIARD MINING DIVISION, B. C.

CLAIM MAP

NICHOLSON & ASSOCIATES

Drawn: Geodrafting Date: Nov. 1989

FIGURE

Scale: 1:50,000

N.T.S. 104 B / 15E

2

PHYSIOGRAPHY AND CLIMATE

The Isk Group is situated on the edge of inter coastal mountain belt of the Coast Mountain Batholith complex. The property's elevation varies from 2300 ft. along the Iskut River to 2800 ft. along the tops of knolls. The valley walls, especially along the Iskut River and Forrest Kerr Creek, are very steep. Ravines and gullies are generally immature and contain very unconsolidated debris.

Water is plentiful in the form of snow melt and ground water seepage. Thick stands of cedar and fir trees are found throughout the property. A mixture of slide alders and devils club is found principally along streams and gullies.

Climatically the property is under the influence of coastal weather patterns. As a result, the weather varies from warm summer days to cool, wet fall conditions to that of up to 12 meters of snow in the winter months. Because of these weather changes the property is workable only from June to the latter part of September.

HISTORY

The Iskut River area has for the most part seen very little mineral exploration. A review of government files indicates that there has been no work undertaken on the claims or in the immediate area.

The most recent record of work was that undertaken by the Geological Survey of Canada and the B.C. Ministry of Energy, Mines and Petroleum Resources which released results in 1988 of a geochemical reconnaissance stream silt survey covering the Isk Group. Three samples taken in the vicinity of the property returned values up to 200 ppm zinc, 155 ppm mercury and 58 ppm arsenic. No gold values of significance were obtained.

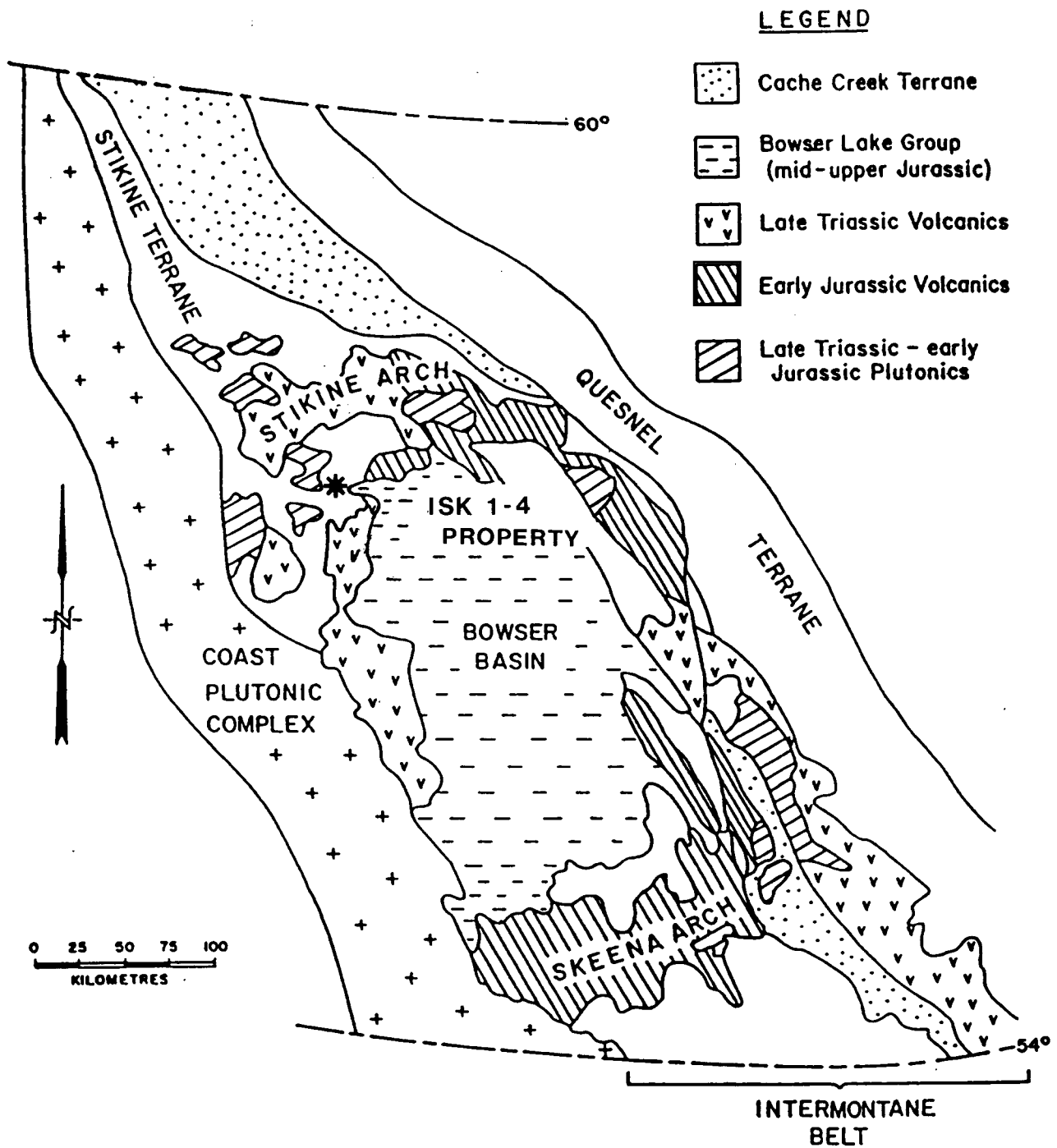
REGIONAL GEOLOGY

The Iskut River area is underlain by thick, weakly metamorphosed Upper Triassic to Lower Jurassic volcanic and sedimentary arc-related units overlain by Middle Jurassic successor basin sedimentary units (Bowser Basin). Large scale northeast plunging vertical folds and major north trending cataclastic and fault zones are thought to be related to early Cretaceous plutonism and orogenesis (Figure 3).

Details regarding the genesis and geological setting of the Iskut River area are continually being revised. The first geologic map which included the area now covered by the Iskut Group was included in a report by Grove (1971) on the Stewart area. A 1986 report by Grove dealing with the Stewart and Iskut River region included an updated map.

The Stewart Complex, as defined by Grove, lies south of the Iskut River and north of Alice Arm. It is bounded by the Coast Plutonic Complex on the west and the Bowser Basin to the east. It is composed of Late Paleozoic and Mesozoic volcanics and sediments which were intruded during Mesozoic and Tertiary times.

The B.C.D.M. has conducted enough testing to permit broad correlation of rocks in the Unuk River area with the main Mesozoic groups of Northwestern B.C.: namely Stuhini, Hazelton and Bowser Lake. Grove (1986) presented a table of relationships between plutonism, volcanism and mineralization (Figure 4).



**REGIONAL GEOLOGY
BOWSER BASIN
NW BRITISH COLUMBIA**

(Outline of terrane boundaries and major rock groups of the Jurassic and Triassic - modified from Thomson, 1985).

FIG. 3

Most of the Iskut River map area is underlain by rocks of the Hazelton Group. The Hazelton Group has been subdivided (Grove, 1986) into the early Jurassic Unuk River Formation, the Middle Jurassic Betty Creek and Salmon River Formations, and the Upper Jurassic Nass Formation. The Hazelton Group rocks form an angular nonconformity with the underlying Upper Triassic rocks of the Takla Group. The andesite and basalt flows of the Takla Group were formed during a period of very active calc - alkaline volcanism. The volcanic sequences of the Unuk River Formation are characterized by basal pyroclastic flows that are overlain by tuffs and argillites, and finally by some volcanic breccia and conglomerates with interbedded tuffs, greywackes and siltstones. At the end of the Early Jurassic the volcanic complex present was uplifted to form the Stikine Arch. During Middle to Late Jurassic, sedimentary sequences were formed from detritus that was coming off the uplifted arch and being deposited in the Bowser Basin. This sedimentary assemblage is present in the Betty Creek, Salmon River and Nass Formations.

These volcanic and sedimentary sequences were intruded by various phases of the Coast Plutonic Complex from Middle Cretaceous to Early Tertiary.

PERIOD	EPOCH	TECTONIC EVENT	PLUTONS	VOLCANICS	FORMATIONS	MINERALIZATION
QUAT.	Recent to Miocene	Uplift & Erosion Faulting	Basalt dykes	Flows		
TERTIARY	1 m.y.					
	Oligocene	?	Dykes, sills			Vein deposits; silver, lead, zinc
CRETACEOUS	Eocene Paleocene	Folding & Faulting	Hyder plutons, etc. Alice Arm intrusions		(SUSTUT)	Vein deposits; silver, lead, zinc Prophyry deposits; molybdenite
	70				(SKEENA)	?
JURASSIC	Upper	?	?			
	Lower	? Erosion	?	Satellite plutons		Vein deposits; silver, lead, zinc
	130					
JURASSIC	Upper	Erosion ? Faulting & Folding	Satellite plutons		NASS	
	Middle	Erosion ± Faulting Erosion Faulting	Texas Creek pluton, etc. Unuk River intrusions (Satellite plutons)	Rhyolite and andesitic pillow lavas	SALMON RIVER	H A Z E ? S I L B A K P R E M I E R D E P O S I T ; G O L D , S I L V E R ; A N Y O X D E P O S I T S ; B A S A L T F L O W S ; M A S S I V E S U L P H I D E S ; M I T C H E L L C R E E K ; H Y D R O T H E R M A L D E P O S I T S ; C H A L C O P Y R I T E ; M O L Y B D E N I T E
				Andesite and pillow lavas	BETTY CREEK	
Lower	Erosion Faulting Cataclasis Folding	?	Satellite plutons	Andesites, basalts and rhyolite flows, pillow lavas	UNUK RIVER FM.	
TRIASSIC	Upper	Erosion Faulting Folding	?	Satellite plutons	Andesite and basalt flows	Max deposits; magnetite and chalcopyrite
	230	Faulting	?		TAKLA GRP.	
		Erosion	?			

FIGURE 4. Table of Formations and Relationship Between Plutonism, Volcanism and Mineralization, Stewart Complex. (from Grove, 1966)

LOCAL GEOLOGY

The Isk Group was traversed and mapped on a regional scale. The claim group, which lies on a ridge between the Iskut River and the Forrest Kerr Creek, was found to contain two main rock types: these were volcanic and sedimentary in origin (Figure 5).

The sedimentary rock package that was observed on the property was made up of fine to medium grained, grey to black bedded argillites that contained some graphitic sections within. Quartz veining and boudins were evident throughout and generally had no orientation at all. The bedded argillites were easterly dipping and in many instances showed evidence of slumping. This package of rocks was found to occur below the 2000 foot level and was very massive.

The volcanic rock package that was encountered was made up primarily of massive pillow basalts which had some inclusions of quartz veining and minor amounts of andesitic dikes cutting the pillow basalts.

MINERALIZATION

Sulfide mineralization on the Isk claim group was limited. The only form of mineralization that was evident was fine grained disseminated pyrite which was mainly confined to the andesite dykes and quartz veins. Additional pyrite mineralization was found in the pillow basalts and was made up primarily of small pods no bigger than 10 cm. diameter of coarse grained, diagenetic pyrite.

GEOCHEMICAL SAMPLING RESULTS

During the months of August through September, a total of 5 silt samples and 8 rock samples were collected by crews of Nicholson and Associates on the Isk 1 - 4 claims.

Silting of creeks and streams was undertaken on the property on a random basis. Sample location sites were marked with orange flagging. Silt samples were placed in numbered kraft bags. Rock samples were placed in numbered plastic bags. Both rock and silt samples were shipped to Min - En Laboratories, in North Vancouver, B.C.

The samples were analysed for 6 elements - silver, copper, lead, zinc, arsenic and either barite or antimony by inductively coupled plasma analyser (ICP). (See Appendix ii for sample technique.) Each sample was also analysed for gold content by digestion with aquaregia solution, extraction with methyl isobutyl ketone and analysis by an atomic absorption instrument. Results for each rock and silt samples were plotted on one map sheet (Figure 5).

Silt sample results were very disappointing and no anomalous values were obtained. This is due largely in part to the thick sequence of pillow basalts in the area and also to the immature nature of the streams.

Rock sample results were also very disappointing. This again was due to the thick sequence of pillow basalts that was in the area. The only exception to this were samples 89ICR003 and 89ICR004 which returned anomalous values of 6.6 and 6.4

ppm silver respectively from quartz-carbonate veins. Unfortunately, the veins were only up to 6 cm. wide and contained no other significant values.

Of particular interest, however, are samples 89ICR003 and 89ICR004 which returned values of 263 ppm Sb and 418 ppm Sb respectively. These values are a magnitude of 10 times greater than any others on the property.

CONCLUSIONS AND RECOMMENDATIONS

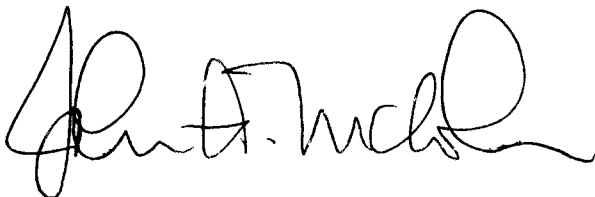
The Isk Group is host to a massive succession of volcanic and sedimentary rocks. The sedimentary rocks appear to be part of a large basinal environment. This is evident by the large scale slumping which was noted on the Isk 5 property which is located 3 kilometers to the south of the Isk Group along the Iskut River. The volcanic succession of rocks is massive and is likely related to a localized, large scale eruption which took place in the area. Areas of the property apart from those initially investigated should receive attention to assess the property's potential. Prospecting and further sampling should be undertaken on the claims during 1990. Some attention should also be given to the cause of the 2 anomalous antimony values.

STATEMENT OF QUALIFICATIONS

I, John A. Nicholson, do hereby certify that:

1. I am a consulting geologist with offices at #606 - 675 West Hastings Street, Vancouver, British Columbia.
2. I am a graduate of the University of British Columbia with a Bachelor of Science, Geology.
3. I have worked in geology in B.C., Manitoba, Saskatchewan, Ontario, Yukon and Idaho, U.S.A. since 1981.
4. I am the author of this report and my findings are based on work undertaken on the property between August 15 and October 8, 1989.
5. I have no interest in the property or the companies involved nor do I anticipate any.

Dated at Vancouver, B.C., this 26th day of January 1990.

A handwritten signature in black ink, appearing to read 'John A. Nicholson', written in a cursive style.

John A. Nicholson, B.Sc.

REFERENCES

- Aldrick, D.J., Britton J.M. and Webster I.C.L. (1989):** Unuk Map Area (104 B/7E, 8W, 9W, 10E). B.C. Ministry of Energy, Mines and Petroleum Resources, Geological Fieldwork 1989, Paper 1989 - 1, pages 241 - 250.
- Franklin, J.M., Lyndon., J.W. and Sangster D.M. (1982):** Volcanic - Associated Massive Sulfide Deposits, Geological Survey of Canada, Economic Geology 75th Anniversary Volume, 1981, pages 485-627.
- Grove, E.W. (1971):** Geology and Mineral Deposits of the Stewart area, British Columbia, B.C. Ministry of Energy, Mines and Petroleum Resources, Bulletin 63, 152 pages.
- (1986): Geology and Mineral Deposits of the Unuk River-Salmon River-Anyox Area, B.C. Ministry of Energy, Mines and Petroleum Resources, Bulletin 63, 152 pages.
- Kerr, F.A. (1982):** Lower Stikine and Western Iskut River Areas, British Columbia, Geological Survey of Canada, Memoir 246, pages 31-34.

ISK 1 - 4 GROUP RECONNAISSANCE SURVEYSTATEMENT OF COSTSPERSONNEL

Project Geologist	(3.5 days @ \$275/day)	962.50
Geologist	(5 days @ \$225/day)	1124.00
Field Technician	(2.5 days @ \$175/day)	437.50

TRANSPORTATION

Helicopter	(4.9 hrs @ \$755/hr)	3699.50
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ASSAYS

Rocks	(8 samples @ \$15.25)	122.00
Silts	(5 samples @ \$10.75)	53.75

CAMP COSTS

Room and Board	(11 man days @ \$115/day)	1265.00
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MISCELLANEOUS

Equipment		000.00
Expediting		000.00
Miscellaneous		325.00

<u>REPORT WRITING/DRAFTING</u>		1000.00
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<u>TOTAL EXPENDITURES</u>		<u>\$8989.25</u>
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APPENDIX i
CLAIM RECORDS



MAP NO.

M104B/15E

RECORD NO.

MINING RECEIPT NO.

300594J

CORDED AT

CASSIAR

DATE OF RECORD

NOV 14

88

DO NOT WRITE IN THIS SHADED AREA

Richard
GOLD COMMISSIONER

LIARD

MINING DIVISION

APPLICATION TO RECORD A 4 POST CLAIM

NAME OF LOCATOR	<i>Edward Alianis</i>	AGENT FOR	<i>Chris GRAY</i>
ADDRESS	<i>1011 837 W. Hastings St</i>	ADDRESS	<i>1010 837 W Hastings St</i>
	<i>VAN. B.C.</i>		<i>VAN. B.C.</i>
TELEPHONE	<i>6897270</i>	TELEPHONE	<i>6814402</i>
POSTAL CODE	<i>V6C 1C4</i>	POSTAL CODE	<i>V6C 1C4</i>
VALID SUBSISTING F.M.C. NO.	<i>256149</i>	VALID SUBSISTING F.M.C. NO.	<i>299110</i>
FMC CODE	<i>112100</i>	FMC CODE	<i>GRAC</i>

hereby apply for a record of a 4 post claim for the location as outlined on the attached copy of mineral titles reference map

No. *104B/15E* in the *21st* Mining Division.

ACCESS: Describe how you gained access to the location; include references to roads, trails, topographic features, permanent landmarks, and a description of the legal post location.

Access by Heliport near 21st Mine, located on the NW 1/4 of section 21 Km north of Island on 1500T line.

I have securely fastened the metal identification tag embossed "LEGAL CORNER POST" to the legal corner post (or witness post) and impressed this information on the tag:

LEGAL CORNER POST

TAG NO. *39308*

CLAIM NAME *ESK 1*

LOCATOR *Edward Alianis*

FMC NO. *256149*

AGENT FOR *Chris GRAY*

FMC NO. *299110*

DATE COMMENCED *November 14th 1988*

TIME *1:30 PM*

DATE COMPLETED *November 14th 1988*

TIME *1:30 PM*

NUMBER OF CLAIM UNITS

N *5* S *4* E *4* W

IDENTIFICATION POSTS NOT PLACED

were *no posts placed*

because *due to snow and weather conditions*

*If a witness post was placed for the legal corner post:
 Bearing from witness post to true position of legal corner post is *299* degrees, at a distance of *2500* metres.
 Bearing from identification post to witness post *299* degrees, at a distance of *25* metres.

NOTE: Legal corner post can be witnessed only if it was not feasible to place any posts.

I have complied with all the terms and conditions of the Mineral Tenure Act Regulation pertaining to the location of 4 post claims and have attached a plan of the location on which the positions of the legal corner post and all corner posts (and witness and identification posts if applicable) are indicated.

Edward Alianis
Signature of Locator

SUB-RECORDER RECEIVED
 NOV 16 1988 5497
 M.R. # 300594J
 VANCOUVER, B.C.
 RECORDING STAMP



MAP NO. M104B/15E SECTION 25 RECORD NO. 5498

MINING RECEIPT NO. 300594J RECORDED AT CASSIAR DATE OF RECORD NOV 14 88

DO NOT WRITE IN THIS SHADED AREA Richard GOLD COMMISSIONER LIARD MINING DIVISION

APPLICATION TO RECORD A 4 POST CLAIM

1. <u>Edward A. Alvaris</u> NAME OF LOCATOR	AGENT FOR <u>Charles Grant</u> NAME
<u>10112 9 3 W HARTNESS ST</u> ADDRESS	<u>1010 837 W HARTNESS ST</u> ADDRESS
<u>VAN B.C.</u>	<u>VAN B.C.</u>
<u>119-1170</u> <u>000104</u> TELEPHONE POSTAL CODE	<u>6514402</u> <u>000104</u> TELEPHONE POSTAL CODE
VALID SUBSISTING F.M.C. NO. <u>286149</u>	VALID SUBSISTING F.M.C. NO. <u>299110</u>
FMC CODE <u>A6100</u>	FMC CODE <u>GRANT</u>

hereby apply for a record of a 4 post claim for the location as outlined on the attached copy of mineral titles reference map No. 10012130 in the LIARD Mining Division.

ACCESS: Describe how you gained access to the location; include references to roads, trails, topographic features, permanent landmarks, and a description of the legal post location.
Access by Helicopter, witness post placed beside
GRAND BAR on TANKER ROAD 2 KM NORTH OF
GRAND ISLAND on ISKUT RIVER

I have securely fastened the metal identification tag embossed "LEGAL CORNER POST" to the legal corner post (or witness post*) and impressed this information on the tag:

LEGAL CORNER POST

TAG NO. 39334

CLAIM NAME TSA 2

LOCATOR Edward A. Alvaris

FMC NO. 286149

AGENT FOR Charles Grant

FMC NO. 299110

DATE COMMENCED November 11th 1988

TIME 3:30 PM

DATE COMPLETED November 11th 1988

TIME 1:40 PM

NUMBER OF CLAIM UNITS

N 5 S 1 E 1 W 4

IDENTIFICATION POSTS NOT PLACED

were NO POSTS PLACED

because adverse snow conditions

*If a witness post was placed for the legal corner post:
Bearing from witness post to true position of legal corner post is 199 degrees, at a distance of 25-20 metres.
Bearing from identification post to witness post 299 degrees, at a distance of 25 metres.

NOTE: Legal corner post can be witnessed only if it was not feasible to place any posts.

I have complied with all the terms and conditions of the Mineral Tenure Act Regulation pertaining to the location of 4 post claims and have attached a plan of the location on which the positions of the legal corner post and all corner posts (and witness and identification posts if applicable) are indicated.

Signature of Locator Edward A. Alvaris

SUB-RECORDER RECEIVED

NOV 16 1988 595

M.R. # 300594J 10012130

VANCOUVER, B.C. P

RECORDING STAMP



MAP NO M104B/15E SECTION 23 RECORD NO 5499

MINING RECEIPT NO 300594J RECORDED AT CASSIAR B.C. DATE OF RECORD NOV 14 88

DO NOT WRITE IN THIS SHADED AREA

Richard
COMMISSIONER

LIARD
MINING DIVISION

APPLICATION TO RECORD A 4 POST CLAIM

I. <u>Edward Alvinis</u> NAME OF LOCATOR	AGENT FOR <u>Chic Gaud</u> NAME
<u>1011-837 W. Hastings St</u> ADDRESS	<u>1011-837 W. Hastings St</u> ADDRESS
<u>VAN. B.C.</u>	<u>VAN B.C.</u>
<u>681-4402</u> <u>VCC104</u> TELEPHONE POSTAL CODE	<u>681-4402</u> <u>VCC104</u> TELEPHONE POSTAL CODE
VALID SUBSISTING F.M.C. NO. <u>606149</u>	VALID SUBSISTING F.M.C. NO. <u>299110</u>
FMC CODE <u>ALVISA</u>	FMC CODE <u>GAUD</u>

hereby apply for a record of a 4 post claim for the location as outlined on the attached copy of mineral titles reference map

No. 413150 in the LIARD Mining Division.

ACCESS: Describe how you gained access to the location; include references to roads, trails, topographic features, permanent landmarks, and a description of the legal post location.

Access by Helicopter to Island CCP Island located
Central VAN on Island River 2km north of
Island on Island River

I have securely fastened the metal identification tag embossed "LEGAL CORNER POST" to the legal corner post (or witness post*) and impressed this information on the tag:

LEGAL CORNER POST

TAG NO. 39882

CLAIM NAME Edward Alvinis

LOCATOR Edward Alvinis

FMC NO. 1306149

AGENT FOR Chic Gaud

FMC NO. 299110

DATE COMMENCED November 14th 1988

TIME 3:00 PM

DATE COMPLETED November 17th 1988

TIME 1:50 PM

NUMBER OF CLAIM UNITS

N 1 S 1 E 1 W 1

IDENTIFICATION POSTS NOT PLACED

were No Posts Placed

because A house was on island - weather conditions

*If a witness post was placed for the legal corner post:

Bearing from witness post to true position of legal corner post

is 299 degrees,

at a distance of 3000 metres.

Bearing from identification post to witness post 299

degrees, at a distance of 300 metres.

NOTE: Legal corner post can be witnessed only if it was not feasible to place any posts.

I have complied with all the terms and conditions of the Mineral Tenure Act Regulation pertaining to the location of 4 post claims and have attached a plan of the location on which the positions of the legal corner post and all corner posts (and witness and identification posts if applicable) are indicated.

Edward Alvinis
Signature of Locator

SUB-REGISTRAR RECEIVED

NOV 18 1988

M.R. # 300594J \$ 1070

VANCOUVER, B.C.

RECORDING STAMP



MAP NO. M104B/15E

SECTION 23

RECORD NO. 5521

MINING RECEIPT NO. 300856J

RECORDED AT CASSIAR

H.C. DATE OF RECORD NOV 23 1988

DO NOT WRITE IN THIS SHADED AREA

[Signature]
GOLD COMMISSIONER

LIARD
MINING DIVISION

APPLICATION TO RECORD
A
4 POST CLAIM

JOHN A. NICHOLSON
NAME OF LOCATOR
406-2020 W. 2nd AVE
ADDRESS
VANCOUVER B.C.
736-2714 V6J-1J4
TELEPHONE POSTAL CODE
VALID SUBSISTING F.M.C. NO. 215366
FMC CODE NICHJA

AGENT FOR CHRIS GRAF
NAME
1010-837 W. HASTINGS ST
ADDRESS
VANCOUVER B.C.
681-4402 V6C-1C4
TELEPHONE POSTAL CODE
VALID SUBSISTING F.M.C. NO. 299110
FMC CODE GRAFC

hereby apply for a record of a 4 post claim for the location as outlined on the attached copy of mineral titles reference map No. 104 B/15E in the LIARD Mining Division.

ACCESS: Describe how you gained access to the location; include references to roads, trails, topographic features, permanent landmarks, and a description of the legal post location.
ACCESS by HELICOPTER, WITNESS LCP IS LOCATED beside THE ISKUT RIVER ON A SAND BAR APPROX. 2.5 km FROM THE MOST NORTHERN END OF A LONG ISLAND ON THE ISKUT RIVER.

I have securely fastened the metal identification tag embossed "LEGAL CORNER POST" to the legal corner post (or witness post) and impressed this information on the tag:

LEGAL CORNER POST
TAG NO. 25318

CLAIM NAME ISK 4
LOCATOR JOHN A NICHOLSON
FMC NO. 215366
AGENT FOR CHRIS GRAF
FMC NO. 299110
DATE COMMENCED NOV 23, 1988
TIME 11:00 AM
DATE COMPLETED NOV 23, 1988
TIME 11:30 AM

IDENTIFICATION POSTS NOT PLACED
were 1S, 2S, 3S, 4S, 1E, 2E, 3E, 4E,
4S1E, 4S2E, 4S3E, 4S4E, 4E1S, 4E2S, 4E3S,
4E4S
because SEVERE WINTER

CONDITIONS, TOPOGRAPHY AND AVALANCHE DANGER.
*If a witness post was placed for the legal corner post:
Bearing from witness post to true position of legal corner post is 299° degrees,
at a distance of 3500 metres.
Bearing from identification post to witness post 299° degrees, at a distance of 25 metres

NOTE: Legal corner post can be witnessed only if it was not feasible to place any posts.

NUMBER OF CLAIM UNITS
N 4 S 4 E 4

THE INFORMATION ON THIS PHOTOCOPY MUST BE CONFIRMED WITH THE GOLD COMMISSIONER FOR THE MINING DIVISION

I have complied with all the terms and conditions of the Mineral Tenure Act Regulation pertaining to the location of 4 post claims and have attached a plan of the location on which the positions of the legal corner post and all other posts (and witness and identification posts if applicable) are indicated.

[Signature]
Signature of Locator

RECORDING STAMP
SUB-RECORDER RECEIVED
DEC 5 1988
M.R. # 300856J 1135.00
VANCOUVER, B.C.

APPENDIX ii
ASSAY TECHNIQUES AND RESULTS

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

Geochemical samples for Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 5.0 or 10.0 grams are pretreated with HNO_3 and HClO_4 mixture.

After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 0.005 ppm (5ppb).

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK - 26 ELEMENT ICP

Ag, Al, As, B, Bi, Ca, Cd, Co, Cu, Fe, K, Mg, Mn, Mo,
Na, Ni, P, Pb, Sb, Sr, Th, U, V, Zn

Samples are processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HNO₃ and HClO₄ mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by Computer operated Jarrell Ash 9000ICP. Inductively coupled Plasma Analyser. Reports are formatted by routing computer dotline print out.

ROCK SAMPLE DESCRIPTION RECORD

Page:		Project: Isuk 1-4	Location: Iskut River	Operator: Nicholson & Assoc.			
Sample No.	Location	Description	Analytical Results				
			Au _{oz/t}	Ag _{ppm}	Pb _{ppm}	Zn _{ppm}	Cu _{ppm} Other
89ICR001	Isk Claims	grab: calcite vein with minor blebs of weathered pyrite and chlorite disseminated throughout	0.001	2.0	17	53	32
89ICR002	Isk Claim	grab: quartz infilling on shear between pillows	0.001	0.9	2.2	182	19
89ICR003	Isk Claim	1m chip: 6 cm quartz vein, euhedral glassy to white crystals, vuggy no visible sulfides	0.001	6.6	43	128	12
89ICR004	Isk Claim	grab: andesite with abundance of quartz carbonate veins throughout. trace -1% disseminated pyrite	0.001	6.4	62	175	30
89ICR005	Isk Claim	Float: quartz float same as 89ICR003	0.001	1.0	12	17	13
89ICR006	Isk Claim	1m chip; 10cm wide quartz vein with euhedral-subhedral quartz crystals, with minor limonitic staining	0.001	0.9	9	40	6
89LIR016	Isk Claim	float: pegmatitic dyke in mafic volcanic with quartz-carbonate gänge large blebs of hornblende biotite crystals and euhedral pyrite	0.001	2.3	16	50	19

ROCK SAMPLE DESCRIPTION RECORD

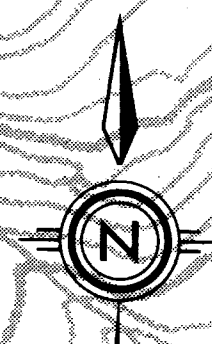
Page:		Project: Isuk 1-4	Location: Iskut River		Operator: Nicholson & Assoc.			
Sample No.	Location	Description	Analytical Results					
			Au _{oz/t}	Ag _{ppm}	Pb _{ppm}	Zn _{ppm}	Cu _{ppm}	Other
89LIR015	Isk Claim	float: vesicular andesite and basalt with trace -2% disseminated pyrite throughout	0.001	4.4	42	110	19	

COMP: OMEGA/ECSTALL
PROJ: UNUK/ISKUT
ATTN: C.GRAF/J.NICHOLSON

MIN-EN LABS — ICP REPORT
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9V-1390-SJ1
DATE: OCT-26-89
* TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
89LIR015	4.4	1	19	42	40	110	1
89LIR016	2.3	69	19	16	17	50	1
89LIL010	1.5	53	99	37	26	250	5
89LIL011	1.5	1	91	33	25	174	5
89LIL012	1.5	1	114	24	11	181	5
89ICR001	2.0	1	32	17	7	53	2
89ICR002	.9	1	19	22	3	182	2
89ICR003	6.6	1	12	43	263	128	59
89ICR004	6.4	52	30	62	418	175	63
89ICR005	1.0	104	13	12	24	17	1
89ICR006	.9	1	6	9	25	40	5



SAMPLE NUMBER	AC PPM	AS PPM	CU PPM	FE PPM	SR PPM	ZN PPM	AU PPM
B9LIL015	4.4	1	19	42	40	110	1
B9LIL016	2.3	69	19	16	17	50	1
B9LIL010	1.5	53	99	37	26	250	5
B9LIL011	1.5	1	91	33	25	174	5
B9LIL02	1.5	1	116	24	11	181	5
B9ICR001	2.0	1	32	17	7	53	5
B9ICR002	.9	1	19	22	3	182	2
B9ICR003	6.2	1	12	43	26	128	50
B9ICR004	6.4	52	30	62	418	175	63
B9ICR005	1.0	104	13	12	24	17	1
B9ICR006	.9	1	4	9	25	42	5
B9LIL008	1.3	1	105	44	33	164	5
B9LIL009	1.5	1	106	52	36	232	5

- 15 CRETACEOUS AND TERTIARY
UPPER CRETACEOUS AND PALEOCENE
Conglomerate, sandstone, shale minor coal
 - 14 CRETACEOUS
POST LOWER CRETACEOUS
Volcanic rocks, breccia
 - 13 CRETACEOUS AND/OR EARLIER
PRE UPPER JURASSIC
Mainly volcanic rocks; minor conglomerate, greywacke; chert, argillite
 - 12 JURASSIC AND CRETACEOUS
UPPER JURASSIC AND LOWER CRETACEOUS
Argillite, greywacke, conglomerate, coal; 12a andesite, chert, tuff, conglomerate, shale, greywacke
 - 11 JURASSIC
LOWER AND MIDDLE JURASSIC
Conglomerate, greywacke, grit, siltstone, shale; 11a, may include younger rocks
 - 9/10 JURASSIC AND/OR EARLIER
PRE UPPER JURASSIC
9a, mainly basalt; 9ap, Pillow basalt; 9ac columnar basalt
9b, conglomerate, greywackes, argillite
10, Mainly sedimentary rocks
 - 8 TRIASSIC
Tuff, siltstone, limestone, conglomerate, breccia
 - 7 PERMIAN AND/OR TRIASSIC
7, Volcanic and sedimentary rocks undivided
7a, mainly andesitic and basaltic volcanic rocks; flows, breccia, tuff breccia, tuff; 7b, mainly greywacke, siltstone, conglomerate; 7c, mainly limestone
 - 6 PERMIAN AND (?) EARLIER
Limestone, greenstone, chert, argillite, phyllitic quartzite, greywacke; meta-andesite and meta-diorite locally abundant near ultramafic bodies. May include younger greenstone; 6a, Carboniferous or Permian, mainly andesitic flows, breccia, tuff; minor sedimentary rocks
 - 5 DEVONIAN AND MISSISSIPPIAN
UPPER DEVONIAN AND MISSISSIPPIAN
Chert, argillaceous quartzite, argillite, greywacke, greenstone, conglomerate, limestone
 - 4 DEVONIAN
MIDDLE DEVONIAN
Limestone, dolomite, quartzite
 - 3 ORDOVICIAN AND SILURIAN
UPPER ORDOVICIAN AND LOWER SILURIAN
Limestone, cherty limestone, quartzite, red and green chert, shale
 - 2 CAMBRIAN AND ORDOVICIAN
MIDDLE AND (?) UPPER CAMBRIAN, LOWER AND MIDDLE ORDOVICIAN
Shale, phyllite, slate, calcareous slate, limestone
 - 1 CAMBRIAN
LOWER CAMBRIAN
Limestone, dolomite, quartzite, slate, phyllite
- GEOLOGICAL CONTACT ASSUMED
 - OUTCROP
 - ~ FAULTS ASSUMED
 - ROCK SAMPLE LOCATION
 - X SILT SAMPLE LOCATION

Geology after G.S.C. paper 71-44



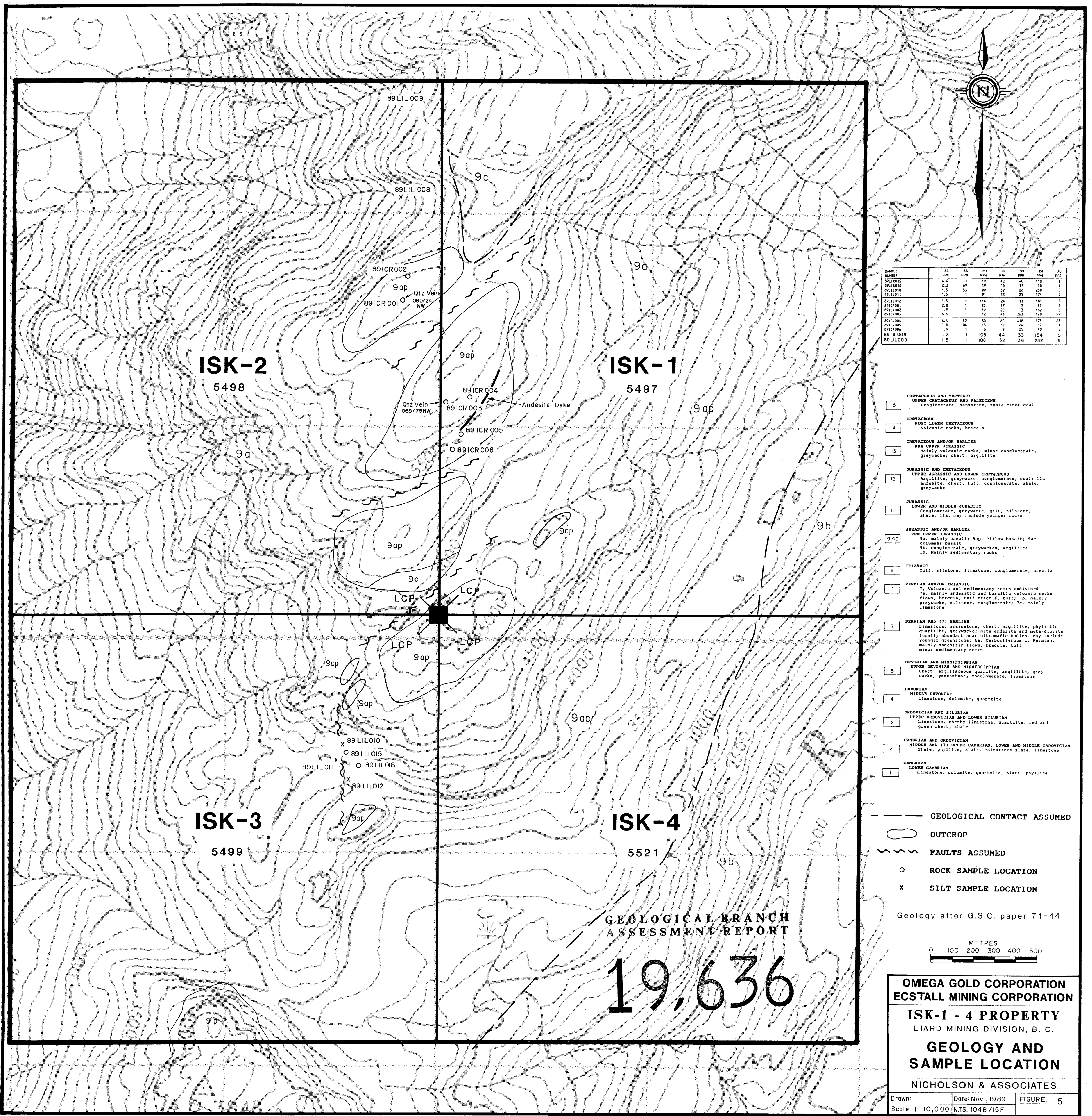
**OMEGA GOLD CORPORATION
ECSTALL MINING CORPORATION**

ISK-1 - 4 PROPERTY
LIARD MINING DIVISION, B. C.

**GEOLOGY AND
SAMPLE LOCATION**

NICHOLSON & ASSOCIATES

Drawn: Date: Nov., 1989 FIGURE: 5
Scale: 1:10,000 NTS: 104B/15E



GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,636