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MERIDOR RESOURCES LTD.

GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT
ON THE
ISKUT RIVER PROPERTY
LIARD MINING DIVISION
NTS 104B/11E

FILMED

BY

L. DANDY, B.Sc., F.G.A.C. MARK MANAGEMENT LTD.
GEOLOGICAL BRANCH
ASSESSMENT REPORT

FEBRUARY 1988

CLAIM NAME

UNITS

RECORD NO.

ANNIVERSARY DATE

ISKUT 1
ISKUT 2

3
9

1167
1168

GEOLOGICAL BRANCH
ASSESSMENT REPORT
JANUARY
JANUARY

LATITUDE:

56°42' N

LONGITUDE:

131°12' W

OWNER:

MERIDOR RESOURCES LTD.

OPERATOR:

MERIDOR RESOURCES LTD.

PROJECT GEOLOGIST: L. DANDY, B.SC., MARK MANAGEMENT LTD.

16,679

PART 2 OF 2

MERIDOR RESOURCES LTD.
ISKUT RIVER PROPERTY
LIARD MINING DIVISION

SUMMARY

The Iskut River property is located on the north bank of the Iskut River in an area of much active mineral exploration. No work has been done by Meridor Resources on the property prior to 1987, although they have held the ground since 1980. In 1987, a soil sampling grid was established, with samples taken at 25 metre intervals. A large anomalous zone for gold, silver, copper and molybdenum was found. A preliminary electromagnetometer survey was also done, but needs to be extended before any conclusions can be drawn. Two airborne geophysical surveys were completed, with several significant anomalies outlined which warrant follow-up ground magnetometer and electromagnetometer surveys to more accurately determine the location and source of these anomalies. Rock outcrops and stream sediments were sampled during the course of soil sampling and some extremely high gold values were obtained.

Surrounding properties, with similar geological settings are getting very high results both from surface sampling and in drill core. The best known property in this area is the Reg claims held by Skyline Resources Ltd., which is expected to make a production decision soon. The property immediately to the west of Meridor's, jointly held by Cominco Ltd. and Delaware Resources Ltd., had a diamond drill programme in 1987 over an area with anomalous gold in soils which extends onto the claims held by Meridor Resources Ltd. Delaware's diamond drill targets trend up to Meridor's claim boundary, but the drill results have not yet been made public.

Additional work is required on the property to fully assess its economic potential. This work should consist of detailed geological mapping, soil sampling, and geophysics, followed by diamond drilling of the best anomalies obtained.

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1. INTRODUCTION

The Iskut River property is a lode gold prospect located on the north bank of the Iskut River in northwestern British Columbia (Figure 1). The claims were staked in 1980 by Meridor Resources Ltd. of Vancouver, B.C., and had not been worked until 1987.

In the 1987 field season, initial exploration work was carried out over the claims and consisted of preliminary rock, soil and stream sediment sampling over all geological units. An incomplete VLF EM survey was carried out over a flagged line grid put in on the claims. Target areas outlined by this work programme include large soil geochemical anomalies near the centre of the claim block, and several smaller geochemical anomalies throughout the property. Discontinuous VLF EM conductors were also obtained, but a more detailed survey will need to be completed before the significance of these conductors can be fully understood.

The work programme was carried out from July 6 to October 2, 1987, by a 2 man crew working out of a camp located at Bronson Creek airstrip. Daily access to the property was by helicopter. The programme was supervised by Mark Management Ltd. project geologist, L. Dandy.

1.1 LOCATION AND ACCESS

The Iskut River property represents a lode gold prospect located along the Iskut River, in the Liard Mining Division of northwestern British Columbia. The area consists of dense rain-forest on lower portions with extremely steep, rugged mountains and numerous glaciers at higher elevations. The Iskut claims are located approximately 40 kilometres upstream (to the east) of the confluence of the Stikine and Iskut Rivers on the north bank of the Iskut River.

The Iskut River property is located approximately 115 kilometres northwest of Stewart, British Columbia; 95 kilometres east northeast of Wrangell, Alaska; 275 kilometres north of Prince Rupert, British

Columbia; and 325 kilometres southeast of Atlin, British Columbia. The claims are centred at latitude $56^{\circ}42'$ and longitude $131^{\circ}12'$ on NTS map sheet 104B/11E.

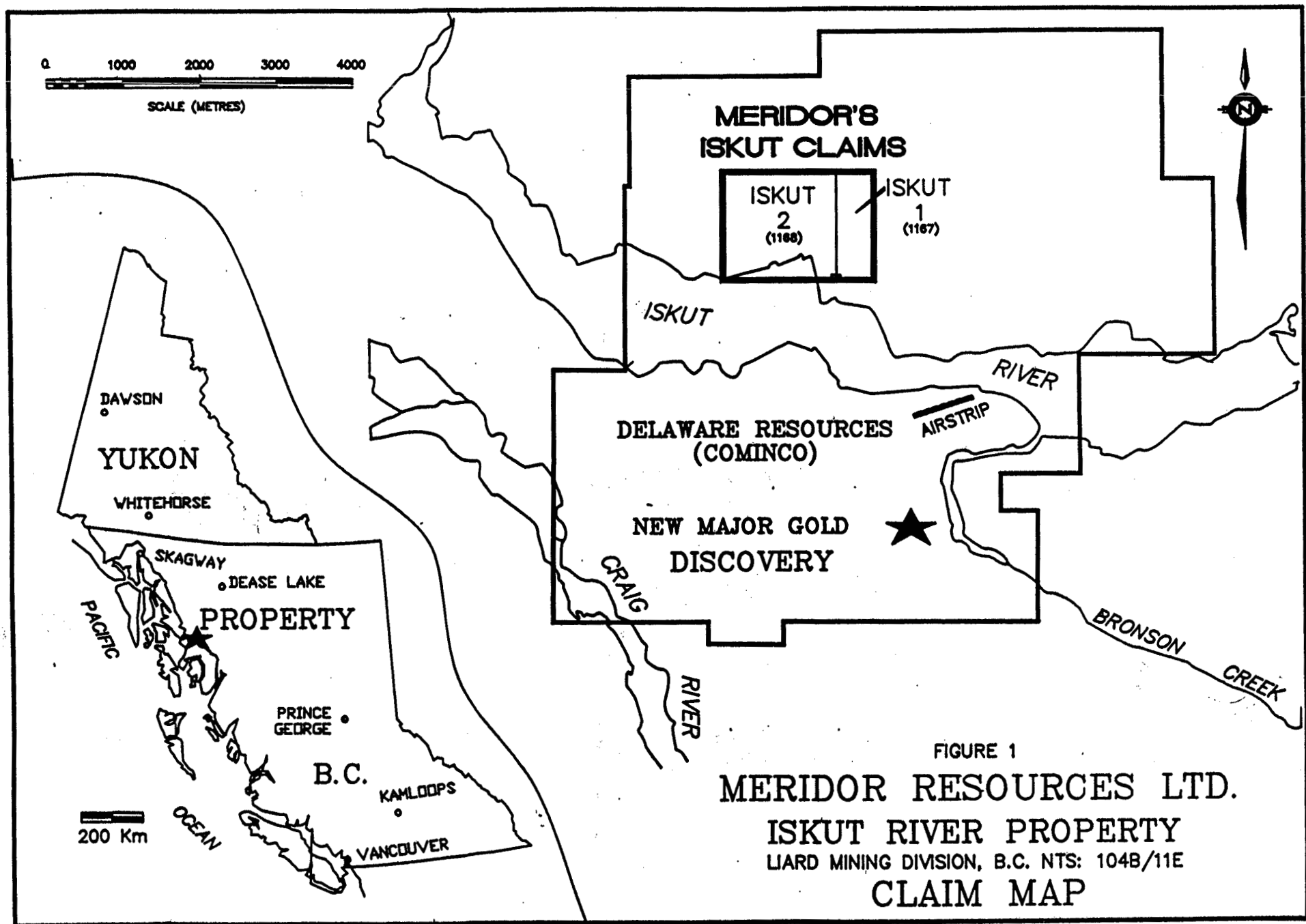
Access to the property is best by fixed wing aircraft from Atlin, Terrace, Stewart or Dease Lake, B.C., to a small airstrip at the mouth of Bronson Creek. The Bronson airstrip, located on the south side of the Iskut River at the mouth of Bronson Creek, was built by Cominco Ltd. in 1987, and is approximately 2.5 kilometres from Meridor's property. Helicopters based at the Bronson airstrip are available for flights to the property.

The logging and hydro power potential of the Iskut River has recently been recognized, and logging north of the mouth of the river may move upstream a few miles in the near future. The claims are also located just downstream from one of the best potential damsites on the Iskut, and any further development of these resources will invite road construction along this river. One obstacle to rapid development of the resources in this area is the presence of the Alaska Panhandle, since using barges to float building materials in and to send out ore would mean crossing an international boundary.

There are no easily accessible towns or roads in this area, however, with the number of camps in the locale of the Bronson Creek airstrip, a small tent community is arising.

1.2 PHYSIOGRAPHY, VEGETATION AND CLIMATE

The Iskut River property is located on the north bank of the Iskut River in northwestern British Columbia. The area consists of dense rain-forest on lower portions with extremely steep, rugged mountains and numerous glaciers at higher elevations. Along the Iskut River the elevation of the property is 130 metres, and climbs toward the northernmost claim boundary to an elevation of 460 metres. There are many mountains in this area which reach an elevation of 1500 metres or greater.



The lower portion of the property is thick with dense undergrowth including willows, alders, and devil's club. Large trees are present and these include fir, hemlock, cedar, spruce, and minor poplar and birch.

The property experiences north-coastal climate, with wet summers and heavy snowfalls in winter. A compacted snow depth of 3.5 to 4.5 metres in April-May at 1000 metres elevation is normal. The main river valleys are usually snow free around the end of May or early June. Temperatures in the summer are usually around 20°C and in the winter average -10°C.

1.3 CLAIM INFORMATION

The Iskut 1 and 2 claims are owned 100% by Meridor Resources Ltd. of Vancouver, B.C. The property is located in the Liard Mining Division and consists of two contiguous modified grid mineral claims totalling 12 units. Claim information is listed in Table I.

TABLE I
CLAIM STATUS

Claim Name	Units	Record No.	Anniversary Date
ISKUT 1	3	1167	JANUARY 7
ISKUT 2	9	1168	JANUARY 7

1.4 HISTORY

The Stikine River valley was travelled by prospectors heading for the Cassiar Gold Fields in the 1873 rush, and again in 1896-98 during the Klondike Gold Rush, but little prospecting was done at the time. In 1906, the Iskut Mining Co. staked some claims which were later Crown Granted in the Bronson Creek area about 6 kilometres

southeast of the property. In the early 1950's, after the discovery of the Granduc showings, helicopter-borne prospecting increased. The Stikine Copper deposits were discovered on an affluent of the Scud River and subsequently more detailed prospecting was carried out in the area. In 1965, there was considerable activity in the Lower Iskut River area with claims being staked over the various mineral belts.

Iskut Silver Mines Ltd. staked their claims over a geochemical anomaly. Further geochemical surveys and hand trenching was carried out in eight locations in 1965. This is the same ground now held by Meridor. Meridor staked their claims in 1980, and except for the crown granted claims along Bronson Creek and a few claims on Johnny Mountain to the south, Meridor's were the only claims in the area.

Skyline Resources Ltd. staked their claims in 1980 and began a major exploration programme, obtaining encouraging results in 1984. Their results, likely to lead to a production decision, have led to a staking rush into the area resulting in it being solidly staked. The size and number of exploration crews in this area has been rapidly increasing since 1984, with an estimated 2000 exploration personnel in the area in 1987.

Work done in 1987 on the property by Meridor Resources Ltd. includes a soil sampling survey. Rock samples and stream sediment samples were taken from outcrops and streams encountered while soiling. Two airborne geophysical surveys were completed and a partial ground electromagnetometer survey was done.

Since this area has abundant showings with economic grades of mineralization, it is essential that a follow-up exploration programme be completed.

1.5 WORK DONE BY MERIDOR RESOURCES LTD. IN 1987

The following field work was completed on the Iskut River property by Meridor Resources Ltd. during the period July 6 to October 2, 1987:

- 1) A flagged line grid was established. The east-west base line is 1800 metres long, with cross lines every 100 to 300 metres. A total of 11 line kilometres of grid was established.
- 2) A total of 386 soil samples were taken at 25 metres stations along the grid lines.
- 3) A total of 27 rock chip samples were taken from interesting outcrops encountered while soil sampling. A few of these samples were taken adjacent to the western claim boundary in an anomalous zone which was being drilled at that time by Delaware Resources Ltd.
- 4) A total of 16 stream sediment samples were taken from small streams encountered while soil sampling.
- 5) An incomplete VLF EM-16 survey was done over a portion of the grid lines. A total of 5.7 line kilometres was surveyed.
- 6) Two airborne geophysical (magnetometer and electromagnetometer) surveys were flown over the property by Western Geophysical Aero Data Ltd. The results and conclusions from these surveys will be included in a separate report.



AFTER GSC MAP 1418A

LEGEND:

RECENT

Rvb BASALT, CINDERS, ASH

EARLY TERTIARY

ETqm QUARTZ MONZONITE

JURASSIC AND CRETACEOUS

JKdi DIORITE, HORNBLende DIORITE

CARBONIFEROUS AND PERMIAN

CPsv GREENSTONE, LIMESTONE, SHALE, CLASTIC
SEDIMENTARY ROCKS

CPsn SCHIST, GNEISS

UPPER TRIASSIC

uTs SILTSTONE, CHERT, SANDSTONE, TUFF
uTev UNDIFFERENTIATED ANDESITIC VOLCANIC
AND CLASTIC SEDIMENTARY ROCKS

MERIDOR RESOURCES LTD.

ISKUT RIVER PROPERTY

LIARD MINING DIVISION, B.C. NTS: 104 B/11 E

GEOLOGY MAP

BY: L.D./rwr

DATE: DECEMBER, 1987

FIGURE: 2

2. GEOLOGY

2.1 REGIONAL GEOLOGY

The Iskut River area has been mapped by F.A. Kerr for the Geological Survey of Canada in the 1920's (Memoir 246, 1948) and by Operation Stikine in 1956 (Map 9-1957). Geologic mapping of this area was again undertaken in 1974 by J.G. Souther and A.V. Okulitch of the Geological Survey of Canada (GSC) and compiled as Map 1418A (Figure 2). In 1966-68, J.W.H. Monger, also of the GSC, selectively mapped the Atlin Terrane and published his findings in GSC Paper 74-47.

Iskut River lies in the Intermontane Belt in northwestern British Columbia. The Intermontane Belt is subdivided from north to south into Atlin Terrane, Whitehorse Belt, Quesnel Belt, Stikine Arch and Iskut Belt. Meridor's Iskut River property lies in the Iskut Belt, immediately to the south of the Stikine Arch.

The structure of the Intermontane Belt is dominated by the Stikine Arch, which became a relatively positive tectonic element in the late middle Triassic and by Atlin Terrane which was uplifted in the late Jurassic. The oldest dated rocks on the Stikine Arch are Mississippian, but still older gneiss and amphibolite are exposed. Permo-Carboniferous sedimentary and volcanic rocks in the arch are tightly folded along north-south axes in contrast with the west-northwesterly trend of Permo-Carboniferous strata in Atlin Terrane and with the northwesterly trend of younger rocks. Stikine Arch and early uplifted elements of the Coast Plutonic Complex influenced subsequent clastic deposition. Upper Triassic to Middle Jurassic volcanic and sedimentary rocks on the flanks of the arch and in the adjacent Whitehorse, Quesnel and Iskut Belts are either unmetamorphosed or of low greenschist grade. Proximal facies, including granite boulder conglomerate, occur on both the southeast and northeast flanks of Stikine Arch, the latter grading into a distal, deep water flysch in Central Whitehorse Belt. The succession is repeated by the southerly directed, low angle, King Salmon Thrust

and is truncated by the steeply dipping Nahlin Fault which forms the southwest boundary of Atlin Terrane. In Atlin Terrane late Paleozoic, deep water sediments and basic volcanics are associated with diabase and serpentinitized peridotite. Large alpine ultramafic bodies have been tectonically emplaced along the bounding faults. Southeast of Stikine Arch, Middle Jurassic sedimentary and volcanic rocks of Iskut Belt are disconformably overlain by symmetrically folded marine and non-marine, coal-bearing clastic rocks of the Jura-Cretaceous Bowser Successor Basin which are partly overlain by Cretaceous and Tertiary easterly-derived non-marine clastics and westerly-derived airborne volcanic ash that were deposited in the Sustut Successor Basin to the east.

The lower Iskut valley crosses the northwest trending east flank of the Coast Batholith in an area where strong north-south trends diverge from it. These trends are followed by granitic intrusives, by strong fault zones and, further to the north, by Tertiary volcanics which appear to have originated at intersecting fault trends. Minor Tertiary volcanics occur as far south as the lower Iskut area.

Correlations and ages of formations are still subject to further refinements, especially in the distinction between Permian and Triassic. The oldest non-metamorphic formations are Permian limestones, followed by a thick sequence of Permian or Triassic volcanics with various sedimentary zones. These in turn are overlain by Triassic sediments, mainly clastics with minor limestone.

Upper Jurassic and Lower Cretaceous well-bedded clastics outcrop about 30 kilometres east of the property along the Iskut River. These form part of the west edge of the Bowser Basin.

Metamorphic rocks of probable Early Permian age are in contact with some of the Coast Range intrusive. Intrusive rocks in the area show great variety in composition, from granitic to occasional ultrabasic, such as in the nickel-copper showings to the south, which are associated with gabbro.

The most significant potential mineralizing agents are syenite porphyries, derivatives of which appear to have a distinct relationship to ore in the Stikine Copper area. They consist of barren orthoclase porphyries, and any mineralization is usually related to fracturing or brecciation near their contact. Both strong folding and faulting of the immediately surrounding rocks are significant factors.

In the lower Iskut River area, the Bronson Creek and Iskut River masses, south of Meridor's property, have the most significant associated mineralization; those to the south and west have an essentially barren environment.

Other intrusives are the felsite masses, usually rust to light coloured, fine grained to porphyritic rock; they are either extrusives or shallow-seated intrusives. They may or may not be related to mineralization.

A striking feature is a northwest trending, very rusty, shatter-zone, possibly a thrust fault with a south dip, trending from the southeast towards Meridor's property for a length of at least 30 kilometres. Since the maximum number of mineral occurrences of interest lies within a band about 3 kilometres wide along the northeast side of this zone, it is a reasonable assumption that the mineralization is directly related to this structure.

2.2 PROPERTY GEOLOGY

Outcrop exposure accounts for less than 10 percent of the surface area on the property, with limited rock exposures making geologic interpretation difficult. The property lies in an intensely gullied terrain with occasional glacial overburden. Stratigraphically, (taken from G.S.C. Map 1418A, Figure 2), the oldest units on the property are Carboniferous and Permian greenstone, limestone, shale, and clastic sedimentary rocks. These are overlain by Upper Triassic undifferentiated andesitic volcanic and clastic sedimentary rocks,

and are intruded by Jurassic and Cretaceous diorite and hornblende diorite. In the northern portion of the property Recent basalt, cinders and ash can be found.

The map accompanying the Iskut Silver Mines report by P.H. Sevensma, shows an older (Permian ?) package of silty and limey argillites, with chlorite, biotite and minor garnet alteration in the mineralized areas. These sedimentary rocks are intruded by a syenite porphyry on the southeast portion of the property. Several northeast trending right lateral faults are present, as well as cross shearing nearly perpendicular to these faults. Evidence for these faults can be seen on airphotos which show a strong pattern of west-northwest and east-northeast lineaments between the two creeks on the property. Airphotos also show that to the west of the property a northwest bedding with southwest dips of over 45° appears to predominate; and that on the east portion of the property east-northeast lineations are more pronounced than other trends.

2.3 ECONOMIC GEOLOGY

Localized showings on the property immediately to the west of Meridor's claims have significant amounts of galena, sphalerite, silver and gold, both disseminated in the bedding and as crosscutting fracture fillings. These showings have an economically significant gold content, as is probable on Meridor's property since the geological setting is the same. An occurrence of magnetite-skarn with minor chalcopyrite is reported from an area where an east-northeast trending fault appears to bend around the syenite porphyry.

This property is at the northwest end of a mineral belt some 30 kilometres long, in a geologic environment which is very favourable, i.e. in a faulted and sheared area adjacent to a syenite porphyry, apparently located at or near the intersection of three major fault trends (as seen on the airphotos). At least two of these trends have been shown to be related to mineralization on adjoining properties, and the third one may well have a similar relationship.

3. GEOCHEMISTRY

3.1 ROCK CHIP SAMPLING

3.1.1 SAMPLING AND SAMPLE TREATMENT

A total of 27 grab and chip samples were collected for assay from the property or directly adjacent to the property. Most of these samples were gathered from rusty or pyritic outcrops that were encountered during the course of soil sampling. Six of the samples were from rusty mineralized zones in two trenches which are immediately adjacent to the westernmost claim boundary.

Sample sites were indicated by orange flagging and the samples were placed in labelled plastic bags. The samples were shipped to Chemex Labs Ltd. in North Vancouver, B.C. for analysis. In the lab, the samples were crushed to minus 100 mesh, fire assayed for gold and analysed for 32 additional elements by the ICP technique.

3.1.2 PRESENTATION AND DISCUSSION OF RESULTS

Table II gives a brief discription of the grab and chip samples together with the assay results and sample numbers. Rock sample locations can be found on Figure 3. The highest base and precious metal values were obtained from the two trenches located just adjacent to the westernmost claim boundary. The highest values obtained on the property were near the eastern edge (sample 40352) with values as high as 8400 ppb gold, 36.6 ppm silver, 8400 ppm copper, 938 ppm lead and 2680 ppm zinc.

TABLE II
ROCK CHIP SAMPLES
DESCRIPTIONS AND RESULTS

Note: L = less than
G = greater than

SAMPLE	AU(ppb)	LOCATION	DESCRIPTION
40351	L 5	western claim boundary	Pyrite and limonite in chert
40352	8400	L17+50E, L2+35N	Pyrite and chalcopyrite vein structure
40353	120	L0+00E,6+50N	Meta-siltstone
40354	25	0+40E,5+70N	Pyrite and limonite in chert
16401	135	L2+50E,7+28N	Pyrite in chert
16402	45	L2+50E,6+20N	Pyrite in argillite
16403	340	L2+50E,9+00N	Same as 15401
16404	345	L6+50E,10+50N	2 metre pyrite vein
16405	530	L2+50E,7+25N	Pyrite is chert
16406	35	75metres east of 16402	Pyrite in chlorite altered argillite
16407	65	75metres east of 16406	Pyrite in chert
16408	135	Trench A on western claim boundary	Wall rock, pyrite in argillite
16409	900	Trench A	0.3 to 0.5 metre wide pyrite and sphalerite zone
16410	3050 (0.078oz/T)	Trench A	Secondary mineralization, pyrite and sphalerite, intense weathered biotite
16411	3050 (0.098oz/T)	Trench B on western claim boundary	3 to 30 cm wide chalcopyrite and bornite vein

TABLE II - continued
LITHOGEOCHEMICAL SAMPLES
DESCRIPTIONS AND RESULTS

Note: L = less than
G = greater than

SAMPLE	AU(ppb)	LOCATION	DESCRIPTION
16412	G10,000 (0.202oz/T)	Trench B	Pyrite mineralization parallel to 16411
16413	G10,000 (1.910oz/T)	Trench B	20 cm wide zone with pyrite running parallel to 16411
16414	970	L17+50E, 12+25N	Shaly argillite with pyrite and malachite
16415	375	20 m east of L17+50E, 12+55N	Quartz veins in folded rock face with chalcopryrite, pyrite and malachite. Veins up to 12cm
16416	300	L17+50E, 12+30N	30cm quartz vein with chalco- pyrite, malachite, pyrite and galena
16417	400	4 metres east of 40352	10 cm wide folded quartz vein with chalcopryrite, malachite and pyrite
16418	560	L17+50E, 12+45N	Argillite with pyrite, malachite and azurite
16419	225	8 metres east of 16415	20 cm wide pyrite vein in argillite
16420	500	40 metres up north fork of main creek	12 cm wide fault gouge with pyrite in argillite
16421	50	20 metres up stream from where L17+50E crosses creek	1 metre wide pyritic zone in limestone
16422	155	Blast trench at 12+75N, 9+00E	Pyritic rock
16423	30	same as 16422	Pyritic rock

3.2 SOIL SAMPLING

3.2.1 SAMPLING AND SAMPLE TREATMENT

Soil sampling was carried out over a selected portion of the property. This area concentrated on the less steep more southerly segment of the claims. Samples were collected at 25 metre intervals along north-south lines spaced 100 to 300 metres apart. A total of 386 'B' horizon soil samples were collected with the aid of a mattock from the grid. All samples were placed in labelled kraft envelopes and shipped to Chemex Labs Ltd. in North Vancouver, B.C. for analysis.

In the laboratory, the samples were oven dried at approximately 50°C and sifted through a minus 35 mesh sieve. The coarse fraction was discarded and the minus 35 fraction was analysed for gold by atomic absorption, and for 32 additional elements by the ICP technique.

3.2.2 PRESENTATION AND DISCUSSION OF RESULTS

On the Hemlo West claims held by Delaware Resources Ltd. located immediately to the west of Meridor's Iskut River claims, a soil sampling survey was completed in 1986. The highest gold soil anomaly obtained by Delaware is cut off by the claim boundary with Meridor. This anomaly is located approximately 300 metres north of the southwestern corner claim post.

Meridor's soil sampling survey from 1987 has picked up the continuation of Delaware's soil anomaly. The gold values along the western claim boundary are as high as 195 ppb and the anomaly appears to be 75 metres wide. This anomalous trend extends for one kilometre onto the property with the width of the zone with gold values greater than 200 ppb being up to 450 metres. The eastern portion of the property has some smaller trends which are anomalous in gold, with

values up to 2150 ppb (see Figure 4).

A silver anomaly was picked up by soil sampling as well, with the predominant trend being located directly to the north of the anomalous gold values. The reason for this zonation is not yet understood, but may be related to the dispersion factor of each element. The silver anomaly of greater than 3.0 ppm extends for 800 metres and is 125 metres wide, with the highest value being 15.6 ppm (see Figure 5).

Coincident copper and molybdenum soil anomalies are also present roughly paralleling the gold anomaly. These values are similar in appearance to a theoretical copper-molybdenum porphyry type mineral deposit. The highest copper value is 9257 ppm, and the highest molybdenum value is 304 ppm (see Figures 6 and 7).

Additional soil sampling is recommended to fully outline the very significant geochemical anomalies found to date.

3.3 STREAM SEDIMENT SAMPLING

3.3.1 SAMPLING AND SAMPLE TREATMENT

A heavy mineral concentrate (HMC) and stream sediment sample survey was carried out on the property. Any small streams encountered during the course of soil sampling were sampled to locate additional anomalies and to test the effectiveness of various pathfinder elements for gold. A total of 3 HMC samples and 11 stream sediment samples were collected from creeks and stream confluences. HMC samples were collected from the same sites as the stream sediments.

The HMC samples were obtained by initially sieving 25 to 50 kilograms of gravel through a 10 mesh screen. The coarse fraction was discarded and the remaining fine fraction panned down to yield a sample weighing approximately 0.5 kilograms. Stream sediment samples consisted of silt collected from each site and placed into

labelled kraft envelopes. All samples were shipped to Chemex Labs Ltd. in North Vancouver, B.C. for analysis.

In the laboratory, the HMC samples were further concentrated by heavy liquid separation (S.G. greater than 2.95) and magnetic mineral separation. The non-magnetic fraction was crushed to minus 100 mesh and analysed. The stream sediment samples were oven-dried at approximately 50°C and sifted through an 80 mesh sieve. Both the coarse and fine fractions were analysed separately. All samples were analysed for gold by atomic absorption and for 32 additional elements by the ICP technique.

3.3.2 PRESENTATION AND DISCUSSION OF RESULTS

During the course of soil sampling, stream sediment samples were taken wherever small streams were encountered. All of the samples taken gave anomalous gold values, with the highest ones being above the upper limits of detection (greater than 10,000 ppb). The fact that all of the samples were anomalous indicates that there is significant gold mineralization in this drainage area. Stream sediment sampling has outlined a few target areas, but as most of the streams originate off of the property, it is not as good an exploration tool as soil sampling (see Figure 8).

4. GEOPHYSICS

4.1 VLF EM SURVEY

4.1.1 INSTRUMENT AND SURVEY TECHNIQUES

A VLF EM survey was carried out over the flagged line grid using a Geonics EM-16 instrument. A total of 5.7 line kilometres were surveyed with readings taken at 25 metre intervals along north-south lines spaced 100 to 300 metres apart. The grid was surveyed using the Cutler, Maine (Station NAA, 24.0 kHz) submarine transmitting station. Inphase and quadrature readings were taken in a northerly direction to insure that south and east dips were indicated as negative by the instrument. The inphase readings were reduced by using the Fraser Filtering Technique (Fraser, 1969), and contoured.

Two airborne magnetometer and electromagnetometer surveys were flown over the property during 1987. These surveys were flown by Western Geophysical Aero Data Ltd. and the results and conclusions of these surveys will be submitted in a separate report.

4.1.2 PRESENTATION AND DISCUSSION OF RESULTS

A preliminary ground electromagnetometer survey was done in 1987. A conductive trend (with Fraser Filtered values up to +86) was outlined which appears to parallel the portion of the gold-copper-molybdenum soil anomaly located along the western claim margin (see Figures 9 and 10). This conductive trend has not yet been followed up over the highest and widest portion of the soil anomaly. Additional VLF EM surveying is recommended to complete the grid.

Two airborne surveys were flown over the property in 1987. These surveys were conducted by Western Geophysical Aero Data Ltd. Results of the airborne electromagnetometer surveys shows a zone of higher conductivity related to the syenite porphyry intrusion previously mapped by P.H. Sevensma on the southeast portion of the

property. A similar appearing conductive body can be seen in the northern portion of the claims and likely represents the same porphyry which has not been mapped on surface. In the very centre of the claim block is a single line anomaly. This anomaly gives the highest conductivity found on the property. No surface expression has been seen to explain this anomaly. The ground electromagnetometer survey did not cover the area around this conductor, therefore, additional electromagnetometer surveying is recommended.

The airborne magnetometer survey showed three areas of higher magnetic response. These magnetometer high values are found surrounding the syenite porphyry intrusive body found in the southeast corner of the property. Previously mentioned magnetite skarns, found with the limey sediment package near the intrusive are a likely source for these anomalies. A ground magnetometer survey is recommended to find these zones on the ground and to see if they are related to mineralizing features.

5. CONCLUSIONS

Results from the 1987 exploration programme gave promising results for both gold-silver vein type and copper-molybdenum porphyry type mineralization on the Iskut River property. Important findings of the programme are summarized as follows:

The results of the geochemical surveying completed to date on Meridor's property is very encouraging. A coincident gold, copper and molybdenum soil anomaly extending for one kilometre, and with widths to 450 metres is located in the southwest portion of the claim block. A 75 metre wide silver soil anomaly parallels this zone immediately to the north. The source of this large anomalous area has not yet been discovered on the ground, but the presence of many anomalous stream sediment and rock chip samples indicates that the source is nearby.

The airborne electromagnetometer survey shows an area of higher conductivity located on the southeast corner of the claim block. This area corresponds to a previously mapped syenite porphyry body. A similar anomalous zone is seen in the northwest portion of the property, and is believed to be related to another porphyry body. On other properties in this area, especially the Stikine Copper property, mineralization is found to be related to the margins of syenite porphyries, therefore similar mineralization could be expected on Meridor's claims. A preliminary ground VLF electromagnetometer survey gave a conductive zone roughly paralleling the gold-copper-molybdenum soil anomaly. This survey will need to be extended to fully understand its significance.

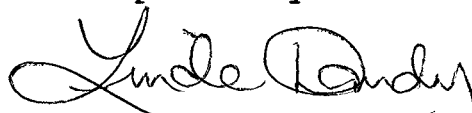
The airborne magnetometer survey outlined three zones which gave higher than background magnetic responses. These zones are found surrounding the syenite porphyry located in the southwest portion of the claim block. Magnetite-skarns mapped in 1965 by Iskut Silver Mines on the property are a likely source for these magnetic anomalies. The presence of limey sedimentary rocks near an intrusive body is ideal for the formation of skarn-type mineralization. A

ground follow-up proton magnetometer survey is needed to outline these bodies on the ground to determine the source of these anomalies.

Diamond drilling of previously defined soil anomalies, especially where they are accompanied by coincident geophysical anomalies is recommended to fully test the economic potential of this property.

In order to fully test the potential for economic mineralization on this property, additional work is recommended. Detailed geological mapping at a scale of 1:2,500 is to be done to allow for understanding and interpretation of rock types, alterations and structures. Additional soil sampling should be done to complete a detailed grid to better outline the gold, silver, copper and molybdenum anomalies. Ground geophysical (proton magnetometer, electromagnetometer and induced polarization) surveys need to be done to follow up any significant airborne geophysical anomalies, as well as to outline any additional features which may be structural controls for mineralization. Finally, diamond drilling is needed to test the source of the geophysical and geochemical anomalies, especially where they are coincident.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read 'L. Dandy', written in dark ink.

L. Dandy, B.Sc., F.G.A.C.,
Mark Management Ltd.

REFERENCES

- Aitken, J.D., 1960, Geology, Atlin, Cassiar District, British Columbia: Geological Survey of Canada, Map 1082A, Scale 1:253,440.
- B.C. Minister of Mines, Annual Reports, 1900, 1904, 1932, 1936, 1960, 1966, and 1982.
- Dandy, L., 1988, Geological Report on the Iskut River Property, Engineer's Report.
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- Fraser, D.C., 1969, Contouring of VLF-EM data: Geophysics, v.34, no.6, p.958-967.
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- Souther, J.G., Brew, D.A., and Okulitch, A.V., 1979, Geological Survey of Canada, Map 1418A, Iskut River.

**COST STATEMENT
ISKUT PROPERTY
6 MAY - 26 SEPTEMBER, 1987.**

GENERAL COSTS

FOOD AND ACCOMODATION, 4PERS., 67MDAYS @ \$19.69		\$ 1,319.23
SHIPMENTS		1,007.57
FIELD TELEPHONE SERVICE		196.31
SUPPLIES		611.57
FIXED WING		
ATLIN AIR, 18 JULY	\$1,460.00	
CMA, 24 JULY	2,079.00	
BC YUKON AIR, 3-4 SEPTEMBER	1,843.20	
PAMICON	1,355.43	6,737.63
HELICOPTER		
NORTHERN MOUNTAIN, 19-29 JULY, 2.7HRS	\$1,685.68	
PAMICON, 3.6HRS	1,998.00	
AIRSTRIIP USAGE FEE	500.00	4,183.68
OTHER TRAVEL, PAMICON		200.00

RENTALS

Ezekeil Field Equipment, 43mdays @ \$6	\$ 258.00	
Pamicon Equipment and Crew Support	3,247.44	
Ezekiel SBX11A, 18-28 July, 11days @ \$11	121.00	
Norcan 4WD Suburan, 16 July	50.00	
Norcan 4WD Blazer, 30 August	50.00	
Angela Cabin, 30 August, 1 day	55.00	
Xerox Computer, 30 August, 1 day	30.00	3,811.44
Report Preparation		3,795.27

TOTAL TOTAL GENERAL COSTS\$21,862.70**LINE CUTTING AND FLAGGING COST**

Salaries and Wages, 2Pers., 10Mdays @ \$91.35	\$ 913.45
Benefits @ 20%	182.69
General Costs Apportioned 10/67 x \$21,862.70	3,263.09

TOTAL LINE CUTTING AND FLAGGING COST\$ 4,359.23

GEOLOGICAL MAPPING COST

Salaries and Wages, 3Pers., 9Mdays @ \$108.05	\$ 972.42
Benefits @ 20%	194.48
General Cost Apportioned 9/67 x \$21,862.70	<u>2,936.78</u>
TOTAL GEOLOGICAL MAPPING COST	<u>\$ 4,103.68</u>

GROUND GEOPHYSICAL SURVEY COST

Salaries and Wages, 1Pers., 11Mdays @ \$113.46	\$ 1,248.06
Benefits @ 20%	249.61
Contract Labour - Pamicon, 8Mdays	1,525.00
Pamicon, Management Fee	413.92
Rentals, Gabriel VLF-EML 6, 6 days @ \$27	162.00
General Costs Apportioned 19/67 x \$21,862.70	<u>6,199.87</u>
TOTAL GROUND GEOPHYSICAL SURVEY COST	<u>\$ 9,798.46</u>

GEOCHEMICAL SURVEY COST

Salaries and Wages, 1Pers., 10Mdays @ \$69.23	692.30
Benefits @ 20%	138.46
Contract Labour - Pamicon, 16Mdays	3,050.00
Pamicon Management Fee	827.54
Assays and Analyses - Chemex Labs.	
3HMC for Au & 32element ICP @ \$28.50	\$ 85.50
27Rock for Au&32element ICP @ \$16.50	445.50
415Soil for Au&32element ICP @ \$16.00	6,640.00
4Pulp for Au @ \$8	32.00
General Costs Apportioned 26/67 x \$21,862.70	<u>8,484.03</u>
TOTAL GEOCHEMICAL SURVEY COST	<u>\$20,395.33</u>

COST SUMMARY

LINE CUTTING AND FLAGGING	\$ 4,359.23
GEOLOGICAL MAPPING	4,103.68
GROUND GEOPHYSICAL SURVEY	9,798.46
GEOCHEMICAL SURVEY	<u>20,395.33</u>
TOTAL	<u>\$38,656.70</u>

STATEMENT OF QUALIFICATIONS

LINDA DANDY, B.Sc., F.G.A.C.

ACADEMIC

1981	B.Sc. Geology	University of British Columbia
1987	Fellowship	Geological Association of Canada

PRACTICAL

1981 - Present	Geologist with Mark Management Ltd., Hughes-Lang Group, Vancouver, B.C.
1987	Project Geologist - geochemical and geophysical surveys, diamond drilling in northwestern and southwestern B.C.
1986	Project Geologist - 12,000 foot diamond drill programme in northwestern B.C.
1985	Project Geologist - geological mapping, geochemical and geophysical surveys and backhoe trenching programmes in northwestern and southeastern B.C., the Yukon, and northeastern Washington
1984	Project Geologist - mapping, geophysical and geochemical surveys, backhoe trenching and diamond drilling programmes in northwestern B.C.
1983	Geologist involved in geological mapping (1:50,000, 1:10,000, and 1:1,000), geophysical and geochemical surveys in northern and central B.C. and the Yukon
1982	Geologist involved in geochemical and geophysical surveys in central B.C.
1981	Geologist involved in detailed mapping, geochemical and geophysical surveys in central B.C.

APPENDIX A

ROCK SAMPLE RESULTS



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
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TO MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.

VANCOUVER, B.C.

V6C 2W2

Project: MERIDOR

Comments: ATTN: ART TROUP CC: D.M. STRAIN

Page No: 1-A

Tot. P: 1

Date: 20-AUG-87

Invoice #: I-8719751

P.O. #: NONE

CERTIFICATE OF ANALYSIS A8719751

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
ST. SD. 5	213 238	70	1.50	1.0	25	220	< 0.5	2	2.56	1.0	35	110	278	6.60	< 10	< 1	0.23	30	0.82	790
ST. SD. 7	213 238	>10000	1.37	8.4	260	190	< 0.5	2	2.44	< 0.5	77	76	517	9.09	< 10	< 1	0.16	< 10	0.71	867
ST. SD. 11	213 238	2280	1.55	6.0	50	160	< 0.5	< 2	1.44	2.0	98	198	643	11.20	< 10	< 1	0.29	20	1.12	548

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Tot. P : 1
Date : 20-AUG-87
Invoice # : I-8719751
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8719751

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
ST. SD. 5	213 238	1	0.12	64	2080	8	< 5	< 10	126	0.33	< 10	< 10	149	15	75
ST. SD. 7	213 238	5	0.09	99	3030	34	< 5	20	138	0.25	< 10	< 10	125	180	77
ST. SD. 11	213 238	15	0.06	185	2080	18	5	30	196	0.25	< 10	< 10	125	115	139

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Project : MERIDOR

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Date : 20-AUG-87

Invoice # : I-8719752

P.O. # : NONE

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SID 001 +80	217 238	25	3.14	0.6	60	220	4.5	< 2	0.33	4.0	41	28	407	4.58	< 10	< 1	0.34	40	0.70	3480
SID 001 -80	202 238	20	4.00	0.6	60	220	6.5	< 2	0.64	6.0	43	20	641	4.13	< 10	< 1	0.22	70	0.70	3500
SID 002 +80	217 238	15	1.90	0.2	< 5	340	< 0.5	< 2	0.67	0.5	16	87	75	3.90	< 10	< 1	0.84	10	1.26	724
SID 002 -80	202 238	190	1.92	0.2	5	510	< 0.5	< 2	0.82	0.5	19	89	138	5.59	< 10	1	0.68	10	1.31	872
SID 003 +80	217 238	15	1.77	0.2	< 5	300	< 0.5	< 2	0.57	0.5	15	83	78	3.68	< 10	< 1	0.74	10	1.10	807
SID 003 -80	202 238	15	2.32	1.0	< 5	540	< 0.5	< 2	0.74	0.5	22	84	165	5.03	< 10	< 1	1.02	10	1.61	1100
SID 004 +80	217 238	130	1.64	< 0.2	< 5	180	< 0.5	< 2	0.49	0.5	10	70	95	2.98	< 10	< 1	0.63	10	1.06	470
SID 004 -80	202 238	80	2.09	0.4	< 5	270	< 0.5	< 2	1.00	1.5	14	75	333	3.81	< 10	< 1	0.57	10	1.18	1090
SID 006 +80	217 238	20	2.24	0.2	< 5	270	< 0.5	< 2	1.03	0.5	16	129	106	3.38	< 10	1	0.73	< 10	1.42	554
SID 006 -80	202 238	345	2.00	0.2	30	230	< 0.5	< 2	0.89	< 0.5	18	113	130	4.00	< 10	< 1	0.48	< 10	1.48	551
SID 008 +80	217 238	10	1.79	< 0.2	10	240	< 0.5	< 2	0.92	< 0.5	8	112	59	3.05	< 10	1	0.53	< 10	1.14	449
SID 008 -80	202 238	< 5	1.22	< 0.2	< 5	190	< 0.5	< 2	0.65	< 0.5	9	67	51	2.93	< 10	< 1	0.32	10	0.94	384
SID 009 +80	217 238	20	1.67	< 0.2	5	250	< 0.5	< 2	0.85	< 0.5	9	106	53	2.85	< 10	< 1	0.52	10	1.11	455
SID 009 -80	202 238	< 5	1.07	< 0.2	< 5	210	< 0.5	< 2	0.60	< 0.5	10	51	43	2.49	< 10	< 1	0.30	10	0.83	368
SID 010 +80	217 238	5	1.94	< 0.2	< 5	420	< 0.5	< 2	0.53	0.5	16	194	61	3.54	< 10	< 1	1.03	< 10	1.65	671
SID 010 -80	202 238	< 5	2.35	< 0.2	10	350	< 0.5	< 2	0.80	0.5	20	221	104	3.78	< 10	1	0.80	< 10	2.03	867
SID 012 +80	217 238	30	2.24	0.4	10	300	< 0.5	< 2	0.49	1.0	23	239	438	4.27	< 10	< 1	0.83	10	1.95	487
SID 012 -80	202 238	15	2.71	0.2	20	330	< 0.5	< 2	0.68	1.0	34	273	733	4.04	< 10	1	0.91	10	2.37	634
SID 013 +80	217 238	50	2.58	1.0	< 5	230	4.0	< 2	0.43	10.5	24	26	646	5.32	10	< 1	0.27	50	0.38	5530
SID 013 -80	202 238	70	2.92	1.4	5	200	4.5	< 2	0.66	7.5	19	29	772	5.25	10	< 1	0.30	50	0.61	4090
SID 014 +80	217 238	45	1.89	0.2	5	210	0.5	< 2	0.44	2.5	34	116	297	3.95	< 10	1	0.63	10	1.15	1050
SID 014 -80	202 238	45	2.54	0.2	15	270	1.5	< 2	0.64	3.0	49	151	568	4.24	< 10	< 1	0.68	20	1.65	1185
SID 015 +80	217 238	100	2.08	0.8	< 5	160	5.0	< 2	0.24	4.5	15	10	469	4.30	10	< 1	0.16	50	0.19	3250
SID 015 -80	202 238	145	2.93	1.4	20	170	7.0	< 2	0.49	5.5	17	12	872	5.08	20	1	0.15	70	0.36	4350
SID 016 +80	217 238	55	2.13	0.4	5	210	1.5	2	0.35	2.5	49	103	422	4.61	< 10	< 1	0.60	20	1.07	1315
SID 016 -80	202 238	50	2.74	0.2	15	270	1.5	< 2	0.54	2.5	51	160	601	4.61	< 10	< 1	0.77	20	1.75	1090

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BCJ



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Page No : 1-B
Tot. # : 1
Date : 20-AUG-87
Invoice # : I-8719752
P.O. # : NONE

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SID 001 -80	202 238	16	0.04	35	1160	32	< 5	< 10	61	0.09	< 10	< 10	62	< 5	1060
SID 002 +80	217 238	3	0.07	30	1150	< 2	< 5	< 10	85	0.20	< 10	< 10	130	< 5	79
SID 002 -80	202 238	6	0.03	45	1460	< 2	5	< 10	87	0.23	< 10	< 10	172	10	108
SID 003 +80	217 238	3	0.07	30	1040	2	< 5	< 10	69	0.18	< 10	< 10	115	< 5	80
SID 003 -80	202 238	8	0.04	54	1510	< 2	< 5	< 10	77	0.25	< 10	< 10	159	10	119
SID 004 +80	217 238	10	0.06	30	870	< 2	< 5	< 10	48	0.14	< 10	< 10	91	< 5	80
SID 004 -80	202 238	28	0.04	63	1170	2	< 5	< 10	72	0.19	< 10	< 10	100	< 5	168
SID 006 +80	217 238	1	0.15	60	1060	< 2	< 5	< 10	138	0.18	< 10	< 10	105	5	64
SID 006 -80	202 238	1	0.09	76	1380	4	< 5	< 10	86	0.17	< 10	< 10	109	5	76
SID 008 +80	217 238	< 1	0.12	48	1000	< 2	< 5	< 10	123	0.19	< 10	< 10	94	< 5	53
SID 008 -80	202 238	< 1	0.05	37	1120	< 2	< 5	< 10	54	0.15	< 10	< 10	84	< 5	49
SID 009 +80	217 238	< 1	0.10	43	1050	< 2	< 5	< 10	111	0.18	< 10	< 10	87	< 5	55
SID 009 -80	202 238	< 1	0.03	27	1140	< 2	< 5	< 10	45	0.14	< 10	< 10	71	< 5	46
SID 010 +80	217 238	< 1	0.05	115	1000	< 2	< 5	< 10	28	0.24	< 10	< 10	100	5	70
SID 010 -80	202 238	< 1	0.03	188	1050	< 2	< 5	< 10	34	0.25	< 10	< 10	105	10	100
SID 012 +80	217 238	8	0.06	128	920	< 2	< 5	< 10	44	0.23	< 10	< 10	109	5	163
SID 012 -80	202 238	5	0.03	164	990	< 2	5	10	45	0.28	< 10	< 10	120	5	236
SID 013 +80	217 238	33	0.11	84	650	50	< 5	20	27	0.12	< 10	< 10	41	< 5	587
SID 013 -80	202 238	26	0.04	69	1270	32	< 5	< 10	32	0.13	< 10	< 10	61	5	613
SID 014 +80	217 238	8	0.07	118	810	4	< 5	< 10	34	0.17	< 10	< 10	83	< 5	167
SID 014 -80	202 238	5	0.02	180	990	< 2	< 5	10	40	0.21	< 10	< 10	104	< 5	259
SID 015 +80	217 238	19	0.10	53	310	48	5	10	31	0.10	10	< 10	19	< 5	350
SID 015 -80	202 238	23	0.04	69	970	40	< 5	10	28	0.11	20	< 10	40	< 5	518
SID 016 +80	217 238	9	0.08	131	690	2	5	< 10	26	0.16	< 10	< 10	85	< 5	206
SID 016 -80	202 238	6	0.03	177	910	10	< 5	< 10	34	0.22	< 10	< 10	112	< 5	273

CERTIFICATION :



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1900 - 999 W. HASTINGS ST.
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Project : MERIDOR

Comments: ATTN; ART TROUP CC: D. M. STRAIN

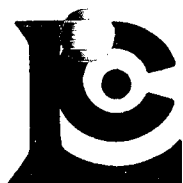
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Date : 12-OCT-87
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P.O. # :

CERTIFICATE OF ANALYSIS A8723644

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16401	205 238	135	0.37	1.4	120	90	< 0.5	2	0.07	< 0.5	18	19	37	5.87	< 10	< 1	0.38	< 10	0.07	49
16402	205 238	45	5.48	1.8	15	90	0.5	8	3.37	0.5	32	48	208	5.77	< 10	< 1	2.02	< 10	2.13	3580
16403	205 238	340	1.22	0.4	5	90	< 0.5	4	0.42	< 0.5	6	58	58	4.17	< 10	< 1	0.93	< 10	0.78	282
16404	205 238	345	3.18	4.8	115	150	< 0.5	6	1.61	< 0.5	26	109	1175	6.76	< 10	< 1	1.48	< 10	1.24	464
16405	205 238	530	2.12	2.2	10	160	< 0.5	2	0.82	0.5	14	16	569	5.10	< 10	< 1	1.26	< 10	1.14	547
16406	205 238	35	4.62	2.0	30	140	< 0.5	6	1.21	0.5	20	89	363	6.69	< 10	< 1	1.69	< 10	3.17	1435
16407	205 238	65	2.24	0.4	10	60	< 0.5	6	1.03	0.5	14	43	134	9.06	< 10	< 1	0.39	< 10	0.90	224
16408	205 238	135	4.42	2.2	3440	420	< 0.5	8	0.82	15.5	34	27	254	6.23	< 10	< 1	2.61	< 10	2.89	1485
16409	205 238	900	2.15	108.0	3730	330	< 0.5	204	13.10	>99.9	27	45	545	6.95	< 10	1	0.80	< 10	1.21	5100
16410	205 238	3050	5.05	>200	9480	430	< 0.5	894	1.18	38.0	71	32	3260	9.93	< 10	< 1	1.75	< 10	2.10	5230
16411	205 238	3050	1.11	106.0	885	120	< 0.5	20	6.21	>99.9	26	17	>10000	9.92	< 10	< 1	0.79	< 10	1.86	7940
16412	205 238	>10000	0.58	74.0	815	90	< 0.5	50	1.33	8.0	25	35	7550	8.94	< 10	< 1	0.45	< 10	0.48	2040
16413	205 238	>10000	0.37	>200	4840	40	< 0.5	82	5.11	>99.9	9	9	>10000	10.70	< 10	< 1	0.23	< 10	1.45	5900
16414	205 238	970	4.23	28.8	45	50	0.5	20	3.67	10.0	7	113	2930	4.97	< 10	< 1	1.00	< 10	1.01	820
16415	205 238	375	0.94	12.8	20	60	< 0.5	4	2.70	2.0	3	178	1825	1.40	< 10	1	0.58	< 10	1.06	605
16416	205 238	300	0.39	8.4	5	20	< 0.5	28	0.35	1.5	3	154	2620	1.45	< 10	< 1	0.16	< 10	0.34	165
16417	205 238	400	0.49	4.0	< 5	10	< 0.5	6	2.16	0.5	2	152	1580	1.83	< 10	< 1	0.21	< 10	0.40	357
16418	205 238	560	2.14	5.4	20	90	< 0.5	10	1.99	0.5	4	207	924	5.29	< 10	< 1	1.78	< 10	1.97	632
16419	205 238	225	4.47	1.2	205	70	0.5	8	8.05	1.5	8	233	42	8.58	< 10	< 1	1.43	< 10	1.16	2530
16420	205 238	500	2.70	5.2	45	130	0.5	12	5.13	0.5	13	164	498	7.79	< 10	< 1	1.55	< 10	1.26	951
16421	205 238	50	0.46	0.4	10	40	< 0.5	2	1.38	< 0.5	11	98	47	5.69	< 10	< 1	0.22	< 10	0.19	230
16422	205 238	155	2.24	1.6	15	50	< 0.5	30	0.26	1.0	11	43	366	7.85	< 10	< 1	1.05	10	0.98	278
16423	205 238	30	1.00	1.0	< 5	40	< 0.5	4	0.05	0.5	3	30	316	9.13	< 10	< 1	0.27	< 10	0.26	109

CERTIFICATION :

BCJ



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.
VANCOUVER, B.C.
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Project : MERIDOR

Comments: ATTN; ART TROUP CC: D. M. STRAIN

Page No : 1-B
Tot. : 1
Date : 12-OCT-87
Invoice # : I-8723644
P.O. # :

CERTIFICATE OF ANALYSIS A8723644

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
16401	205	238	52	0.01	7	1000	44	< 5	< 10	35	0.05	< 10	< 10	8	< 5	5
16402	205	238	< 1	0.14	13	1510	26	< 5	< 10	107	0.18	< 10	< 10	157	< 5	150
16403	205	238	312	0.05	10	1470	6	< 5	< 10	35	0.09	< 10	< 10	54	< 5	29
16404	205	238	38	0.04	64	1710	< 2	< 5	< 10	80	0.26	< 10	< 10	119	< 5	46
16405	205	238	49	0.08	15	1510	4	< 5	< 10	55	0.13	< 10	< 10	42	< 5	42
16406	205	238	< 1	0.22	13	1840	24	< 5	< 10	46	0.09	< 10	< 10	171	< 5	154
16407	205	238	27	0.16	20	1120	24	< 5	< 10	50	0.01	< 10	10	22	< 5	52
16408	205	238	10	0.16	17	1770	888	5	< 10	33	0.23	< 10	< 10	120	< 5	3610
16409	205	238	2	0.02	11	660	2670	< 5	30	598	0.07	< 10	< 10	46	60	>10000
16410	205	238	6	0.15	22	1440	3270	20	10	127	0.18	< 10	< 10	94	< 5	9780
16411	205	238	< 1	0.01	15	890	9470	2120	40	243	0.07	< 10	< 10	31	< 5	>10000
16412	205	238	1	0.01	10	550	2070	465	< 10	52	0.03	< 10	10	14	< 5	1010
16413	205	238	< 1	< 0.01	9	490	>10000	>10000	50	287	0.01	< 10	< 10	9	< 5	>10000
16414	205	238	3	0.07	117	1200	280	70	10	81	0.17	< 10	< 10	104	< 5	1085
16415	205	238	< 1	0.02	108	580	68	35	< 10	42	0.08	< 10	< 10	71	< 5	179
16416	205	238	< 1	0.01	13	230	50	5	< 10	9	0.02	< 10	< 10	21	< 5	110
16417	205	238	2	0.02	38	420	20	5	10	181	0.01	< 10	< 10	22	< 5	58
16418	205	238	< 1	0.05	12	430	18	< 5	10	26	0.27	< 10	10	151	< 5	89
16419	205	238	1	0.24	12	1480	36	< 5	10	148	0.20	< 10	< 10	107	< 5	202
16420	205	238	1	0.17	87	1160	28	5	10	81	0.21	< 10	< 10	125	< 5	102
16421	205	238	70	0.04	5	80	8	< 5	10	24	0.02	< 10	< 10	19	< 5	22
16422	205	238	17	0.06	10	930	32	25	< 10	18	0.14	< 10	< 10	114	< 5	127
16423	205	238	15	0.04	6	500	2	< 5	< 10	6	0.01	< 10	10	50	< 5	21

CERTIFICATION :

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APPENDIX C

STREAM SEDIMENT SAMPLE RESULTS



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
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PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

100 - 999 W. HASTINGS ST.
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Project: MERIDOR

Comments: ATTN: ART TROUP CC: D.M. STRAIN

Page No.: 1-A

Tot. Pages: 1

Date: 20-AUG-87

Invoice #: I-8719751

P.O. #: NONE

CERTIFICATE OF ANALYSIS A8719751

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
ST. SD. 5	213	238	70	1.50	1.0	25	220	< 0.5	2	2.56	1.0	35	110	278	6.60	< 10	< 1	0.23	30	0.82	790
ST. SD. 7	213	238	>10000	1.37	8.4	260	190	< 0.5	2	2.44	< 0.5	77	76	517	9.09	< 10	< 1	0.16	< 10	0.71	867
ST. SD. 11	213	238	2280	1.55	6.0	50	160	< 0.5	< 2	1.44	2.0	98	198	643	11.20	< 10	< 1	0.29	20	1.12	548

CERTIFICATION :



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Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
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PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

900 - 999 W. HASTINGS ST.

VANCOUVER, B.C.

V6C 2W2

Project : MERIDOR

Comments: ATTN: ART TROUP CC: D.M. STRAIN

Page No. : 1-B

Tot. Pgs : 1

Date : 20-AUG-87

Invoice # : I-8719751

P.O. # : NONE

CERTIFICATE OF ANALYSIS A8719751

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
ST. SD. 5	213 238	1	0.12	64	2080	8	< 5	< 10	126	0.33	< 10	< 10	149	15	75
ST. SD. 7	213 238	5	0.09	99	3030	34	< 5	20	138	0.25	< 10	< 10	125	180	77
ST. SD. 11	213 238	15	0.06	185	2080	18	5	30	196	0.25	< 10	< 10	125	115	139

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TO MARK MANAGEMENT LIMITED

900 - 999 W. HASTINGS ST.
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V6C 2W2

Project : MERIDOR

Comments: ATTN: ART TROUP CC: DAVID M. STRAIN

Page No. : 1-A
Tot. P. : 1
Date : 20-AUG-87
Invoice # : I-8719752
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8719752

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
SID 001 +80	217 238	25	3.14	0.6	60	220	4.5	< 2	0.33	4.0	41	28	407	4.58	< 10	< 1	0.34	40	0.70	3480
SID 001 -80	202 238	20	4.00	0.6	60	220	6.5	< 2	0.64	6.0	43	20	641	4.13	< 10	< 1	0.22	70	0.70	3500
SID 002 +80	217 238	15	1.90	0.2	< 5	340	< 0.5	< 2	0.67	0.5	16	87	75	3.90	< 10	< 1	0.84	10	1.26	724
SID 002 -80	202 238	190	1.92	0.2	5	510	< 0.5	< 2	0.82	0.5	19	89	138	5.59	< 10	1	0.68	10	1.31	872
SID 003 +80	217 238	15	1.77	0.2	< 5	300	< 0.5	< 2	0.57	0.5	15	83	78	3.68	< 10	< 1	0.74	10	1.10	807
SID 003 -80	202 238	15	2.32	1.0	< 5	540	< 0.5	< 2	0.74	0.5	22	84	165	5.03	< 10	< 1	1.02	10	1.61	1100
SID 004 +80	217 238	130	1.64	< 0.2	< 5	180	< 0.5	< 2	0.49	0.5	10	70	95	2.98	< 10	< 1	0.63	10	1.06	470
SID 004 -80	202 238	80	2.09	0.4	< 5	270	< 0.5	< 2	1.00	1.5	14	75	333	3.81	< 10	< 1	0.57	10	1.18	1090
SID 006 +80	217 238	20	2.24	0.2	< 5	270	< 0.5	< 2	1.03	0.5	16	129	106	3.38	< 10	1	0.73	< 10	1.42	554
SID 006 -80	202 238	345	2.00	0.2	30	230	< 0.5	< 2	0.89	< 0.5	18	113	130	4.00	< 10	< 1	0.48	< 10	1.48	551
SID 008 +80	217 238	10	1.79	< 0.2	10	240	< 0.5	< 2	0.92	< 0.5	8	112	59	3.05	< 10	1	0.53	< 10	1.14	449
SID 008 -80	202 238	< 5	1.22	< 0.2	< 5	190	< 0.5	< 2	0.65	< 0.5	9	67	51	2.93	< 10	< 1	0.32	10	0.94	384
SID 009 +80	217 238	20	1.67	< 0.2	5	250	< 0.5	< 2	0.85	< 0.5	9	106	53	2.85	< 10	< 1	0.52	10	1.11	455
SID 009 -80	202 238	< 5	1.07	< 0.2	< 5	210	< 0.5	< 2	0.60	< 0.5	10	51	43	2.49	< 10	< 1	0.30	10	0.83	368
SID 010 +80	217 238	5	1.94	< 0.2	< 5	420	< 0.5	< 2	0.53	0.5	16	194	61	3.54	< 10	< 1	1.03	< 10	1.65	671
SID 010 -80	202 238	< 5	2.35	< 0.2	10	350	< 0.5	< 2	0.80	0.5	20	221	104	3.78	< 10	1	0.80	< 10	2.03	867
SID 012 +80	217 238	30	2.24	0.4	10	300	< 0.5	< 2	0.49	1.0	23	239	438	4.27	< 10	< 1	0.83	10	1.95	487
SID 012 -80	202 238	15	2.71	0.2	20	330	< 0.5	< 2	0.68	1.0	34	273	733	4.04	< 10	1	0.91	10	2.37	634
SID 013 +80	217 238	50	2.58	1.0	< 5	230	4.0	< 2	0.43	10.5	24	26	646	5.32	10	< 1	0.27	50	0.38	5530
SID 013 -80	202 238	70	2.92	1.4	5	200	4.5	< 2	0.66	7.5	19	29	772	5.25	10	< 1	0.30	50	0.61	4090
SID 014 +80	217 238	45	1.89	0.2	5	210	0.5	< 2	0.44	2.5	34	116	297	3.95	< 10	1	0.63	10	1.15	1050
SID 014 -80	202 238	45	2.54	0.2	15	270	1.5	< 2	0.64	3.0	49	151	568	4.24	< 10	< 1	0.68	20	1.65	1185
SID 015 +80	217 238	100	2.08	0.8	< 5	160	5.0	< 2	0.24	4.5	15	10	469	4.30	10	< 1	0.16	50	0.19	3250
SID 015 -80	202 238	145	2.93	1.4	20	170	7.0	< 2	0.49	5.5	17	12	872	5.08	20	1	0.15	70	0.36	4350
SID 016 +80	217 238	55	2.13	0.4	5	210	1.5	2	0.35	2.5	49	103	422	4.61	< 10	< 1	0.60	20	1.07	1315
SID 016 -80	202 238	50	2.74	0.2	15	270	1.5	< 2	0.54	2.5	51	160	601	4.61	< 10	< 1	0.77	20	1.75	1090

CERTIFICATION :

BCg



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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TECHNICAL MANAGEMENT LIMITED

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Project : MERIDOR

Comments: ATTN: ART TROUP CC: DAVID M. STRAIN

Page No : 1-B
Tot. P : 1
Date : 20-AUG-87
Invoice # : I-8719752
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8719752

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
SID 001 +80	217 238	15	0.09	30	760	34	< 5	< 10	37	0.10	< 10	< 10	61	< 5	749
SID 001 -80	202 238	16	0.04	35	1160	32	< 5	< 10	61	0.09	< 10	< 10	62	< 5	1060
SID 002 +80	217 238	3	0.07	30	1150	< 2	< 5	< 10	85	0.20	< 10	< 10	130	< 5	79
SID 002 -80	202 238	6	0.03	45	1460	< 2	< 5	< 10	87	0.23	< 10	< 10	172	< 10	108
SID 003 +80	217 238	3	0.07	30	1040	2	< 5	< 10	69	0.18	< 10	< 10	115	< 5	80
SID 003 -80	202 238	8	0.04	54	1510	< 2	< 5	< 10	77	0.25	< 10	< 10	159	< 10	119
SID 004 +80	217 238	10	0.06	30	870	< 2	< 5	< 10	48	0.14	< 10	< 10	91	< 5	80
SID 004 -80	202 238	28	0.04	63	1170	2	< 5	< 10	72	0.19	< 10	< 10	100	< 5	168
SID 006 +80	217 238	1	0.15	60	1060	< 2	< 5	< 10	138	0.18	< 10	< 10	105	< 5	64
SID 006 -80	202 238	1	0.09	76	1380	4	< 5	< 10	86	0.17	< 10	< 10	109	< 5	76
SID 008 +80	217 238	< 1	0.12	48	1000	< 2	< 5	< 10	123	0.19	< 10	< 10	94	< 5	53
SID 008 -80	202 238	< 1	0.05	37	1120	< 2	< 5	< 10	54	0.15	< 10	< 10	84	< 5	49
SID 009 +80	217 238	< 1	0.10	43	1050	< 2	< 5	< 10	111	0.18	< 10	< 10	87	< 5	55
SID 009 -80	202 238	< 1	0.03	27	1140	< 2	< 5	< 10	45	0.14	< 10	< 10	71	< 5	46
SID 010 +80	217 238	< 1	0.05	115	1000	< 2	< 5	< 10	28	0.24	< 10	< 10	100	< 5	70
SID 010 -80	202 238	< 1	0.03	188	1050	< 2	< 5	< 10	34	0.25	< 10	< 10	105	< 10	100
SID 012 +80	217 238	8	0.06	128	920	< 2	< 5	< 10	44	0.23	< 10	< 10	109	< 5	163
SID 012 -80	202 238	5	0.03	164	990	< 2	< 5	< 10	45	0.28	< 10	< 10	120	< 5	236
SID 013 +80	217 238	33	0.11	84	650	50	< 5	< 10	27	0.12	< 10	< 10	41	< 5	587
SID 013 -80	202 238	26	0.04	69	1270	32	< 5	< 10	32	0.13	< 10	< 10	61	< 5	613
SID 014 +80	217 238	8	0.07	118	810	4	< 5	< 10	34	0.17	< 10	< 10	83	< 5	167
SID 014 -80	202 238	5	0.02	180	990	< 2	< 5	< 10	40	0.21	< 10	< 10	104	< 5	259
SID 015 +80	217 238	19	0.10	53	310	48	< 5	< 10	31	0.10	< 10	< 10	19	< 5	350
SID 015 -80	202 238	23	0.04	69	970	40	< 5	< 10	28	0.11	< 10	< 10	40	< 5	518
SID 016 +80	217 238	9	0.08	131	690	2	< 5	< 10	26	0.16	< 10	< 10	85	< 5	206
SID 016 -80	202 238	6	0.03	177	910	10	< 5	< 10	34	0.22	< 10	< 10	112	< 5	273

CERTIFICATION :

[Signature]

16412 - >10 000,65.6,815,7548,2066,1008
16411 - 3050,92.6,885,>10 000,<1,9472,>10 000
16413 - >10 000,>200.0,4840,>10 000,<1,>10 000,>10 000

TRENCH B
TRENCH A

16408 - 135,4.6,3440,254,10,888,3609
16409 - 900,90.8,3725,545,2,2670,>10 000
16410 - 3050,>200.0,9475,3258,6,3270,9777

40351 - <5,<0.2,<5,7,<1,4,11

16402 - 45,1.4,15,208,<1,26,150

16403 - 340,0.2,5,58,312,6,29

16404 - 345,4.6,115,1173,38,<1,46

16401 - 135,1.0,120,37,52,44,5

40353 - 120,5.0,138,<1,34,604

16405 - 530,2.2,10,569,49,4,42

40354 - 25,0.4,10,31,<1,16,19

16406 - 35,2.0,30,363,<1,24,154

6+25N

16407 - 65,0.4,10,134,27,24,52

5+50N

ISKUT

RIVER

ISKUT 2

ISKUT 1

LEGEND:

● SAMPLE LOCATION
40351 - <5,<0.2,<5,7,<1,4,11

ROCK SAMPLE NUMBER
Au(ppb),Ag(ppm),As(ppm),Cu(ppm),Mo(ppm),Pb(ppm),Zn(ppm)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

PART 2 OF 2

MERIDOR RESOURCES LTD.
GEOLOGICAL BRANCH
ISKUT RIVER PROPERTY
LIARD MINING DIVISION, B.C. NTS-100-B-11-E
GEOCHEMISTRY SURVEY
ROCK SAMPLE RESULTS

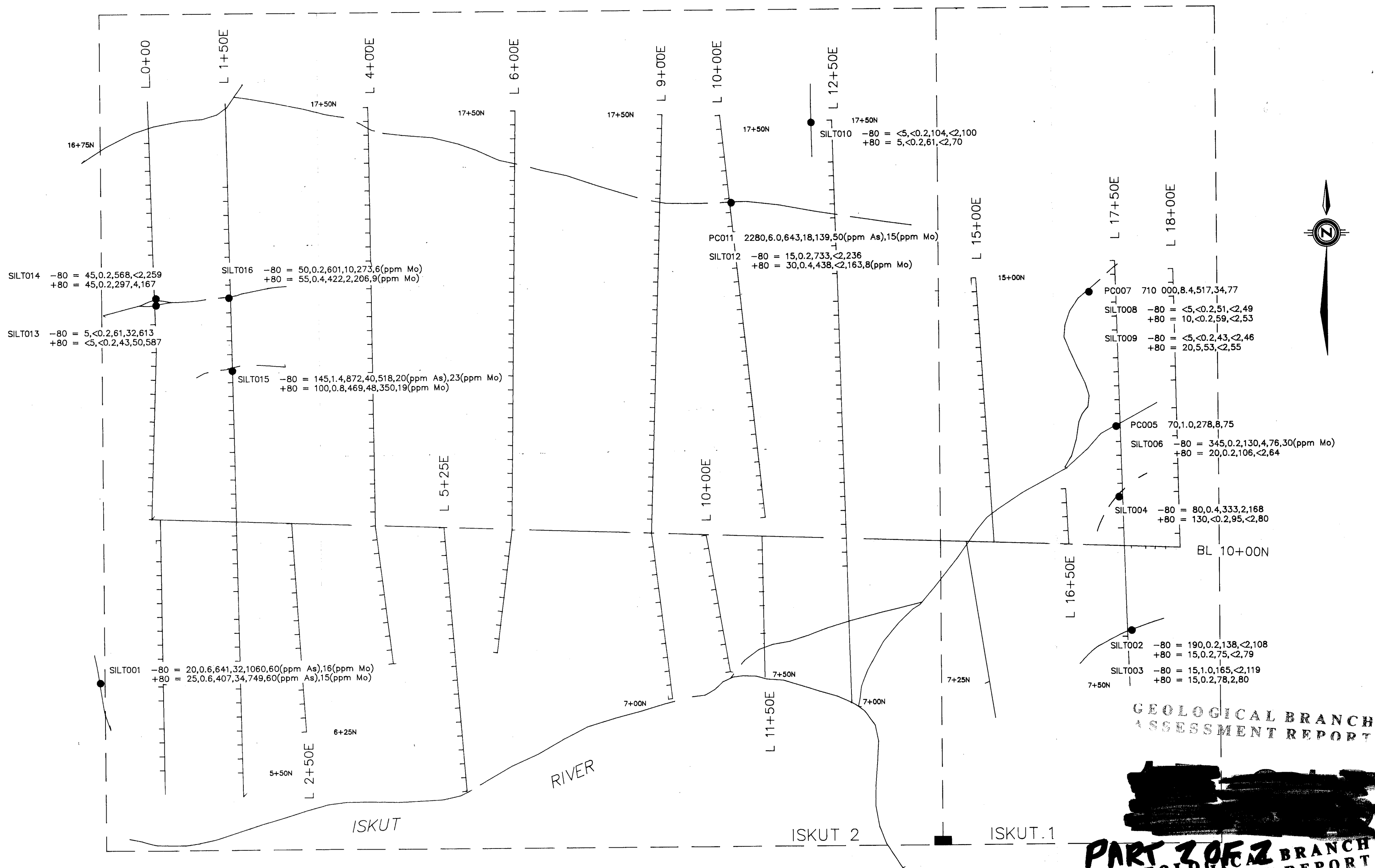
0 100 200 300 400
(METRES)

DATE: DECEMBER, 1987

BY: L.D./rwr

FIGURE No. 3

Prepared by: RWR MINERAL GRAPHICS LTD.



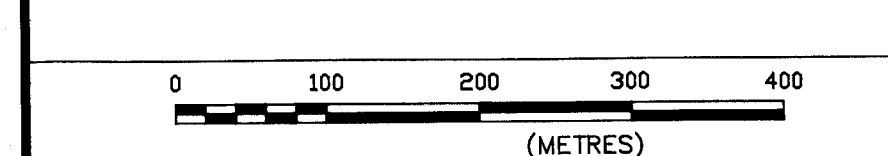
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

PART 2 OF 2

MERIDOR RESOURCES LTD.

ISKUT RIVER PROPERTY
LIARD MINING DIVISION, BC. DISTRICT: 004 B/11 E

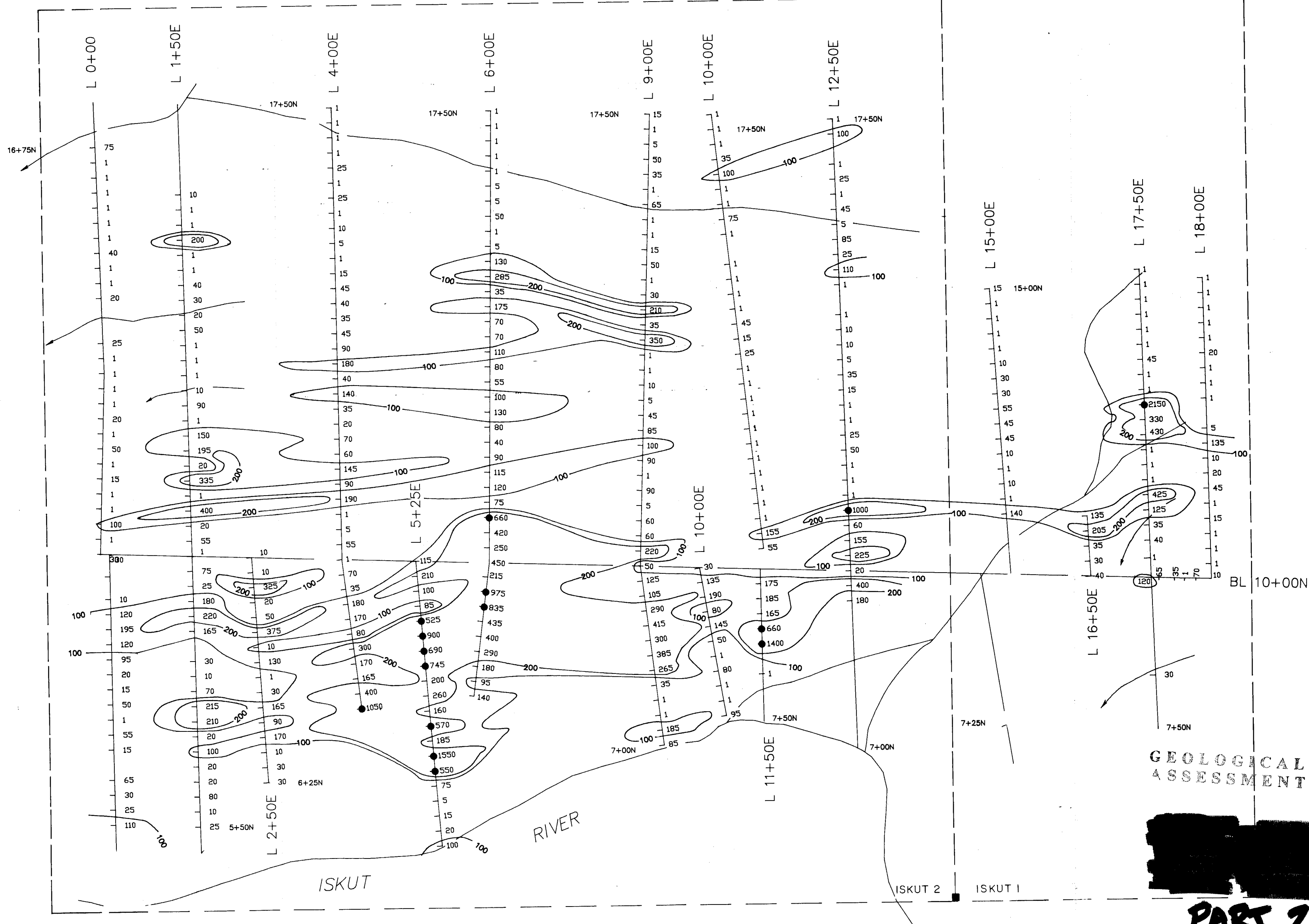
GEOCHEMISTRY SURVEY
SILT AND H.M.C. VALUES



DATE: DECEMBER, 1987
BY: L.D./rwr

FIGURE No. 8

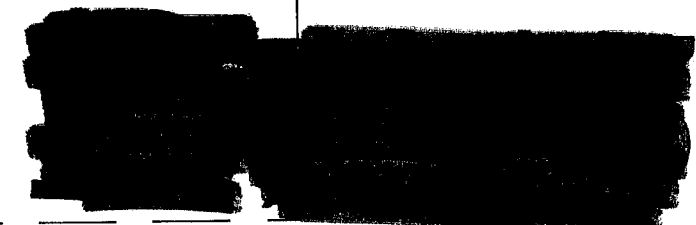
Prepared by: RWR MINERAL GRAPHICS LTD.



LEGEND:

- REPRESENTS Au VALUE >500 ppb
- CONTOUR INTERVAL = 100 ppb

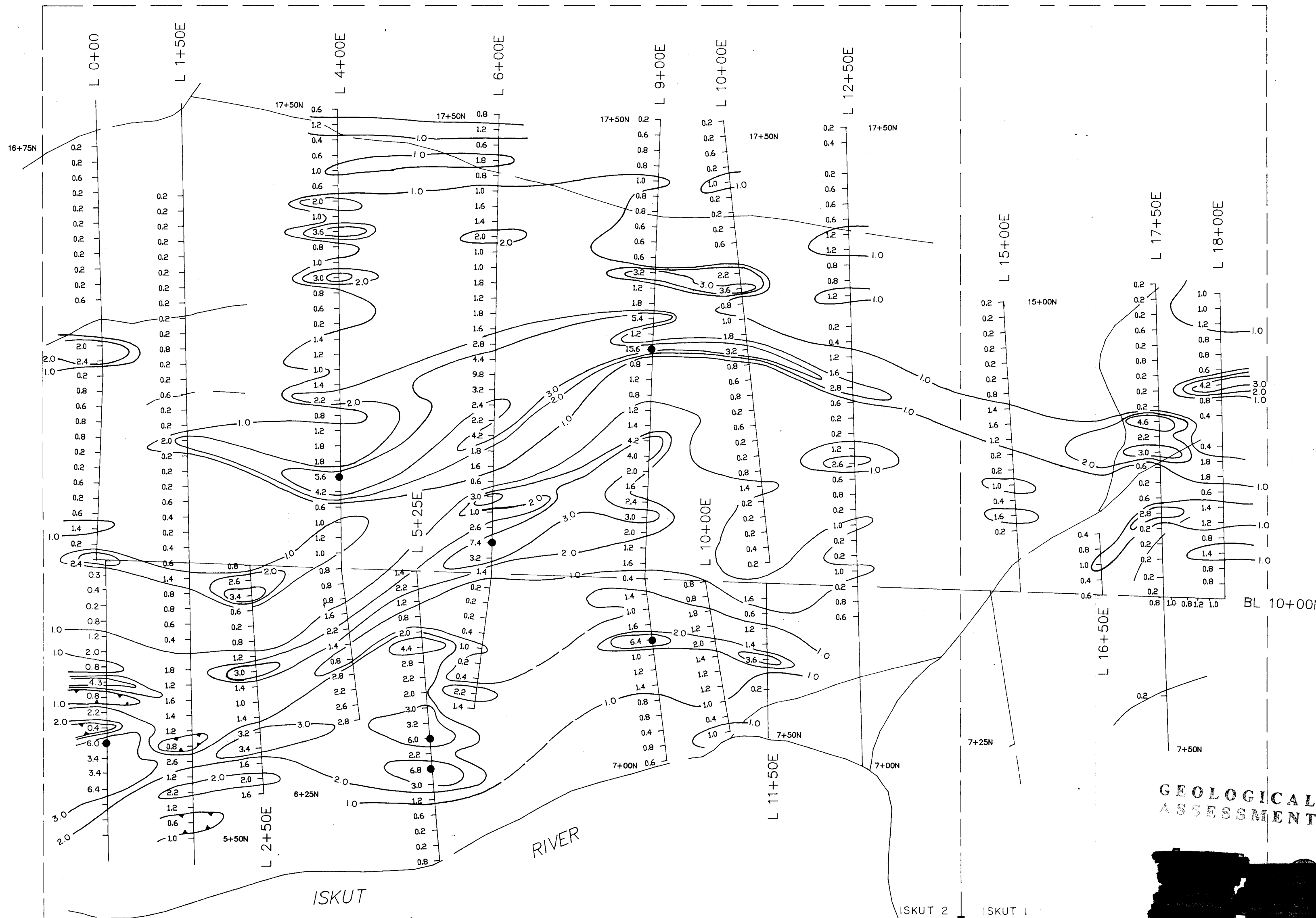
GEOLOGICAL BRANCH
ASSESSMENT REPORT



PART 2 OF 2

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ISKUT RIVER PROPERTY	
LIARD MINING DIVISION, B.C.	
GEOCHEMISTRY SURVEY	
Au RESULTS (p.p.b.)	
0 100 200 300 400 (METRES)	
DATE: DECEMBER, 1987	FIGURE No. 4
BY: L.D./rwr	

Prepared by: RWR MINERAL GRAPHICS LTD.

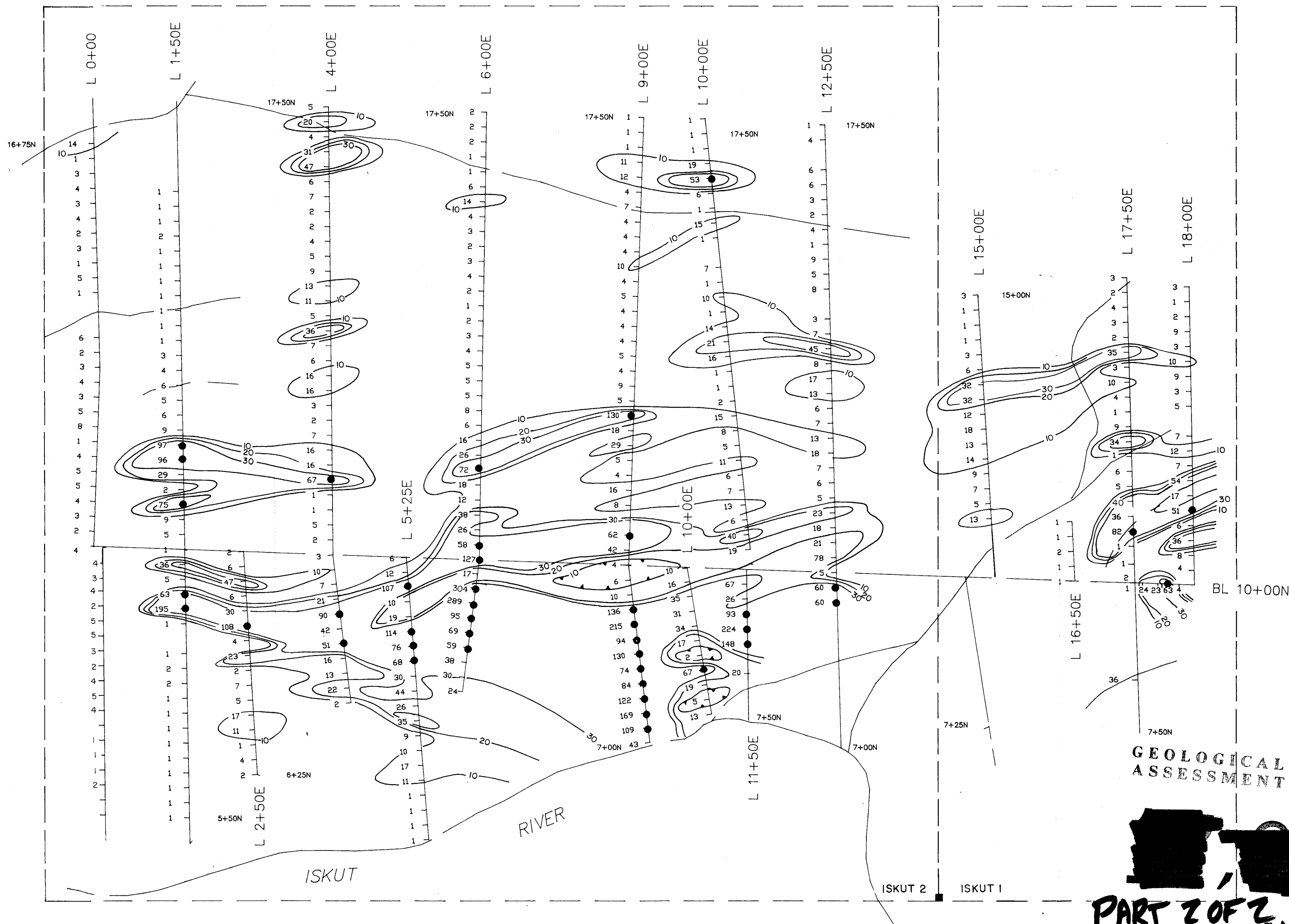


LEGEND:
 CONTOUR INTERVAL = 1, 2 & 3 ppm. Ag
 ● > 5 ppm Ag

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

PART 2 OF 7

MERIDOR RESOURCES LTD.	
ISKUT RIVER PROPERTY	
LIARD MINING DIVISION, B.C.	NTS: 1:4 / 11
GEOCHEMISTRY SURVEY	
Ag VALUES (ppm)	
DATE: DECEMBER, 1987	
BY: L.D./rwr	FIGURE No. 5



LEGEND:

CONTOUR INTERVAL = 10, 20 & 30 ppm. Mo

● > 50 ppm Mo

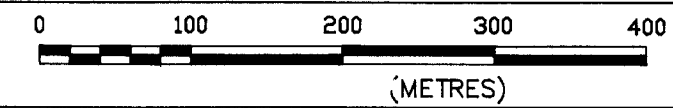
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

MERIDOR RESOURCES LTD.

ISKUT RIVER PROPERTY
LIARD MINING DIVISION, B.C. SITS: 104/8/11

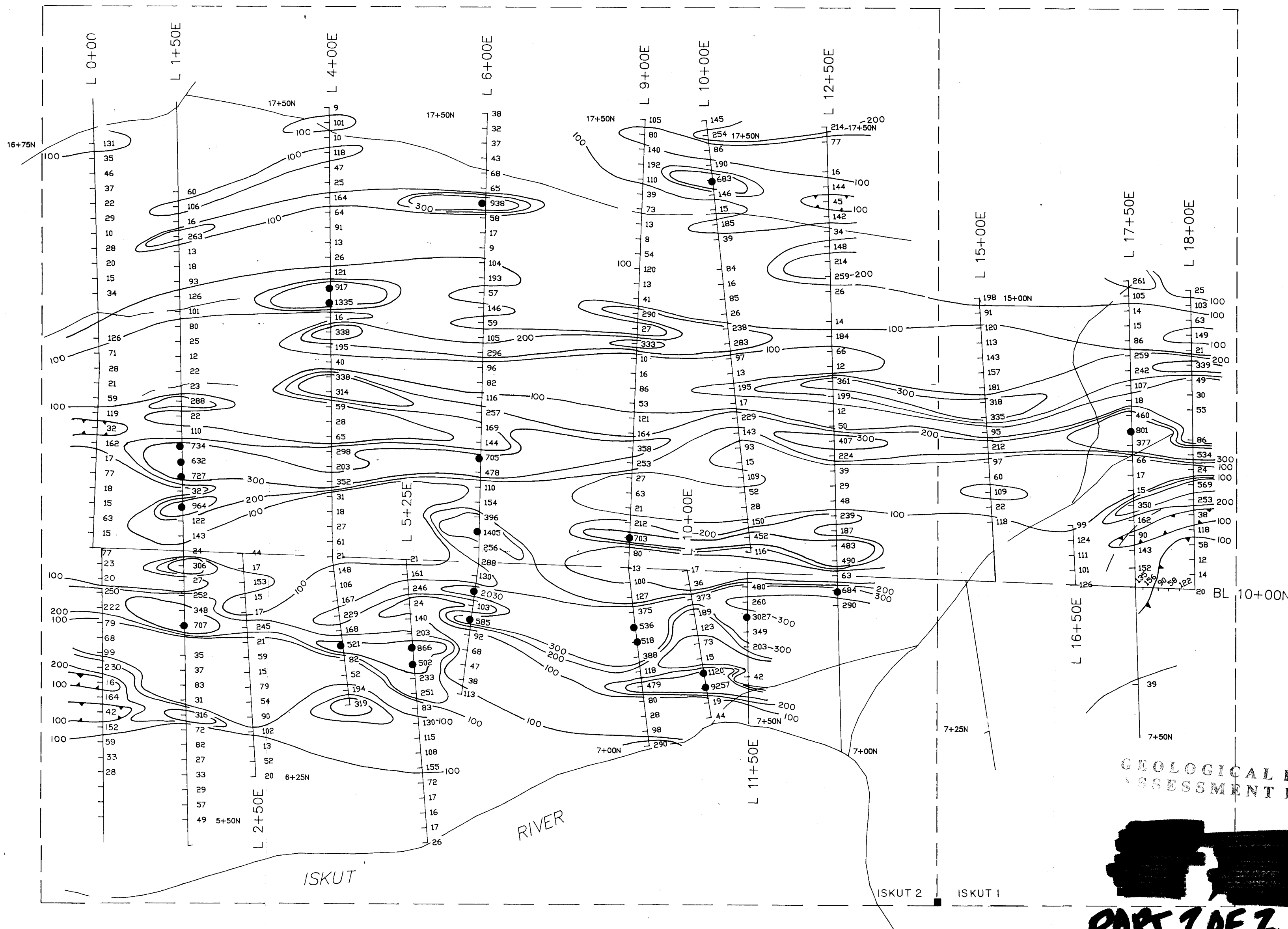
GEOCHEMISTRY SURVEY
Mo VALUES (p.p.m.)



DATE: DECEMBER, 1987
BY: L.D./rwr

FIGURE No. 7

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LEGEND:

CONTOUR INTERVAL = 100, 200 & 300 ppm. Cu

● > 500 ppm Cu

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MERIDOR RESOURCES LTD.

ISKUT RIVER PROPERTY
LIARD MINING DIVISION B.C. TNS. 104 B 11 E

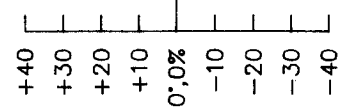
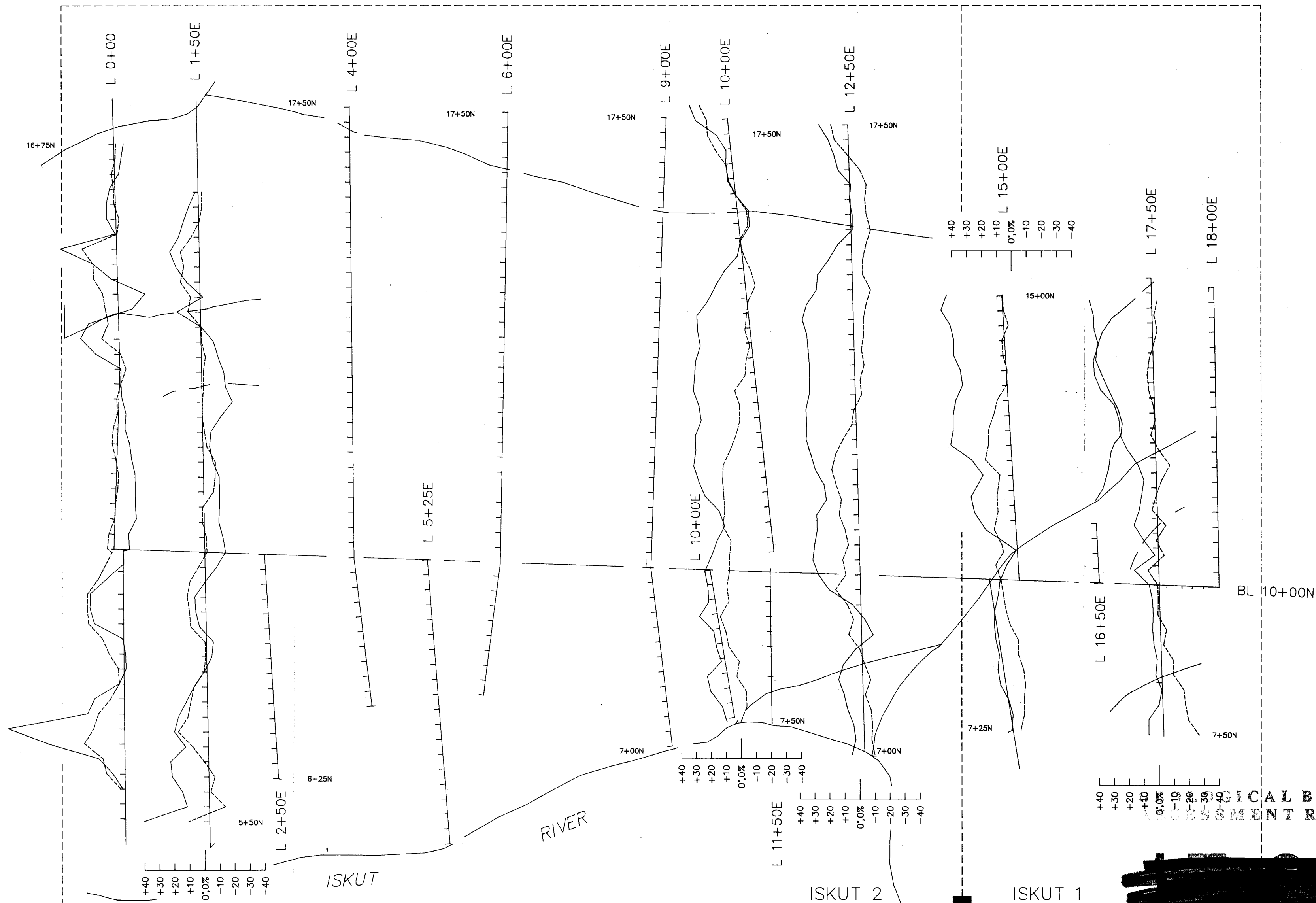
GEOCHEMISTRY SURVEY
Cu VALUES (p.p.m.)

0 100 200 300 400
(METRES)

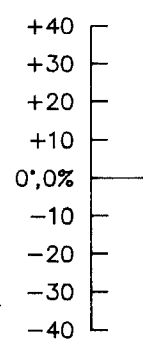
DATE: DECEMBER, 1987
BY: L.D./rwr

FIGURE No. 6

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LEGEND:



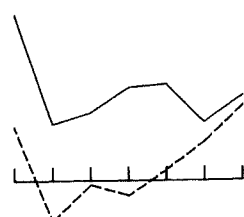
VERTICAL SCALE: 1 cm = 20(‰/°)

RECEIVER: GEONICS VLF EM-16

TRANSMITTER: CUTLER, MAINE (NAA) 24.0 kHz

DIRECTION: 351°

INPHASE PROFILE (‰)
QUADRATURE PROFILE (°)



ISKUT 2

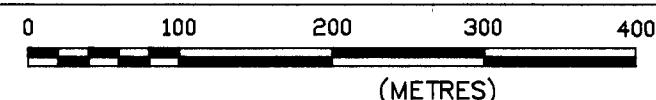
ISKUT 1

LOGICAL BRANCH
ASSESSMENT REPORT

MERIDOR **PART 2 OF 2**
GEOLOGICAL BRANCH

ISKUT RIVER PROPERTY
LIARD MINING DIVISION, B.C. NTS: 104 B/1

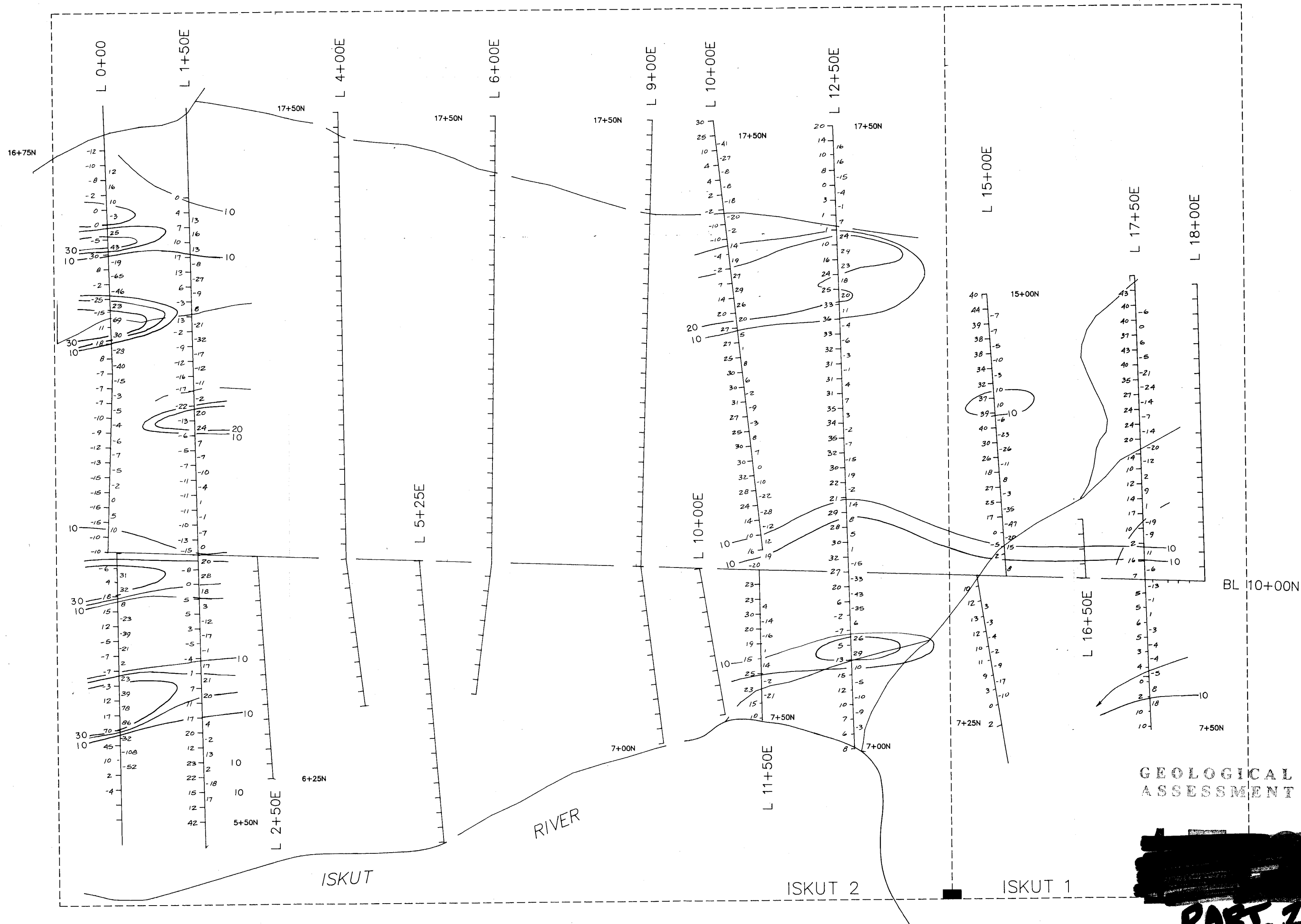
VLF EM 16 SURVEY
PROFILES



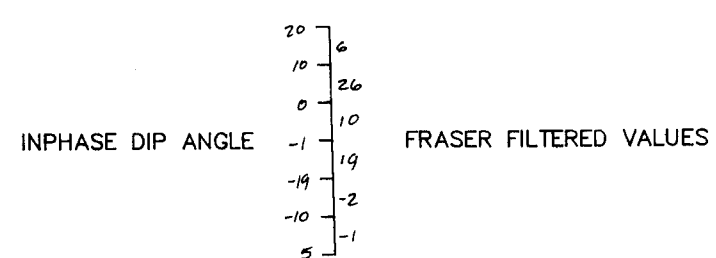
DATE: DECEMBER, 1987
BY: L.D./rwr

FIGURE No. 10

Prepared by: RWR MINERAL GRAPHICS LTD.



LEGEND:



CONTOUR INTERVAL = 10

RECEIVER: GEONICS VLF EM-16

TRANSMITTER: CUTLER, MAINE (NAA) 24.0 kHz

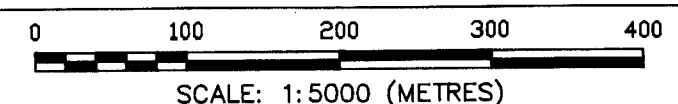
DIRECTION: 351°

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ISKUT RIVER PROPERTY
LIARD MINING DIVISION, P.C. NTS: 104 B/11 E

VLF EM-16 SURVEY
FRASER FILTERED CONTOURS



DATE: DECEMBER, 1987

BY: L.D./rwr

FIGURE No. 9

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