



PROGRESS REPORT ON
"L" and "LOLA" CLAIMS,
MILE 706, ALASKA HIGHWAY, YUKON,
FOR 1973 FIELD SEASON

9260.60

FOR
MURLETT

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of

\$ 9260.60

Resident Geologist or
Resident Mining Engineer

Considered as representation work under
Section 53 (4) Yukon Quartz Mining Act.

Commissioner of Yukon Territory

BY: J. FOSTER IRWIN ENGINEERING
& MANAGEMENT SERVICES LTD.

Hugo Laanela
November 22, 1973.

Edmonton, Alberta.

S U M M A R Y

The "L" and "LOLA" prospect consists of two non-contiguous groups of claims straddling the high ridges near and above the timberline on both sides of Freer Creek, about four miles south of Mile 706, Alaska Highway in Yukon Territory, and just north of British Columbia/Yukon Territories Boundary.

There are four claims, L-1, L-2, Lola 1, and Lola 2 in the eastern group. Two additional claims L-5 and L-6, were re-staked in July of 1973, however, these largely overlap the ground already staked by other parties.

There are six claims, L-11 to L-16, in the western group; there is no record of any work done on this group.

The workings at present consist of five trenches on L-2 Claim, and a 50' adit on L-1 Claim. The adit is some distance east of the trenches and parallel to their strike and about 600' below their level; it does not intersect any mineralization seen in the trenches.

Geological work done to date is well within the diorite of the Cassiar Batholith. The work shows remarkable uniformity. Outcrops are scarce although there is abundant scree and boulders.

All mineralization seen so far consists of Pb-Zn-Ag occurring in high-grade pockets and stringers in small (1"-4") veins of quartz and hematite which are adjacent and parallel to a strong N 7-° E fault zone on claim L-2.

A set of dark, fine-grained mafic dikes also accompanies this fault zone, as well as other similarly trending fault zones in the area. The association of these dikes and the Pb-Zn-Ag mineralization appears to be co-incidental so far, although the dikes could be used as a guide to find any possible similarly mineralized fault zones in the area.

A few years ago, about 60 tons of high-grade Pb-Zn-Ag ore was shipped out. It came from a high-grade vein which was shown on a 1968 assay map, but could not be re-located (see below). It is not known if any ore was left there.

J. FOSTER IRWIN ENGINEERING & MANAGEMENT SERVICES LTD. carried out a limited amount of work on claim L-2 during 1973 season. Four trenches were cleaned out and channel sampled, and geological mapping of the trenches was done subsequently. The trenching and sampling failed to

SUMMARY (Continued)

indicate any economic quantities of ore in the present workings.

A larger high-grade vein, measuring about 1 1/2' by 30'-40', and reported earlier (see above), was not found. It appears to be located in Trench "A", in the part which is still covered by ice. This ice could not be removed due to equipment failure. It is recommended that this ice be removed in order to re-locate and examine this high-grade vein.

A detailed geochemical survey of soils was also carried out in the area surrounding the trenches. The results indicate that a well defined Pb-Zn-Ag anomalous zone is associated with the above N 70° E mineralized fault zone. Furthermore, the anomalies become stronger some 600' east of the present surface workings and are "open" toward east. This suggests strongly that further geochemical surveys be done there to locate new targets for trenching, both along the strike of the present showings and elsewhere.

Furthermore, it is also recommended that a reconnaissance type survey be done over the western group of claims. It should consist of prospecting and geological traversing, with a limited amount of geochemical sampling to locate any possible areas of interest.

Until these three suggestions regarding future exploration here are carried out, no other major expenditures is at present recommended.

November 22, 1973.

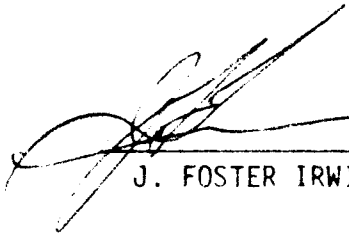


Hugo Laanela,
Geologist

I, J. FOSTER IRWIN, OF SITE 3, COMPARTMENT 17, R.R. #3, SOUTH EDMONTON, ALBERTA, CERTIFY AND DECLARE THAT I GRADUATED WITH A DEGREE IN ENGINEERING FROM THE UNIVERSITY OF ALBERTA IN 1949 AND AM A REGISTERED MEMBER OF THE ASSOCIATION OF PROFESSIONAL ENGINEERS OF ALBERTA WITH NON-RESIDENT LICENCE TO PRACTICE IN THE PROVINCES OF MANITOBA, SASKATCHEWAN AND BRITISH COLUMBIA.

I HAVE NO INTEREST DIRECTLY, OR INDIRECTLY, IN THE "L" AND "LOLA" CLAIMS, MILE 706, ALASKA HIGHWAY, YUKON TERRITORIES.

THE PROGRESS REPORT, DATED NOVEMBER 22nd, 1973, PREPARED BY HUGO LAANELA WAS DONE UNDER MY SUPRRVISION. THE FIELD WORK PERFORMED IN CONNECTION WITH THE SAID REPORT WAS DONE UNDER MY SUPERVISION.



J. FOSTER IRWIN, B.Sc., P.Eng.

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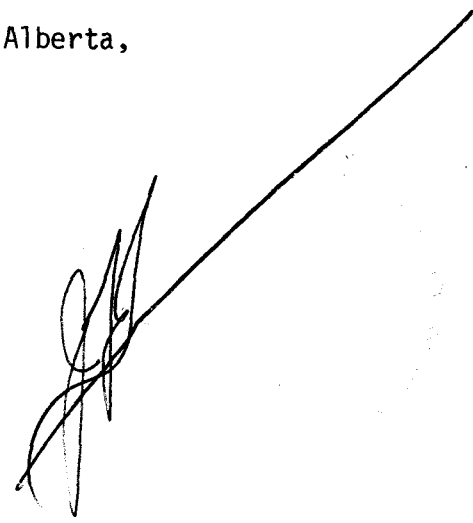


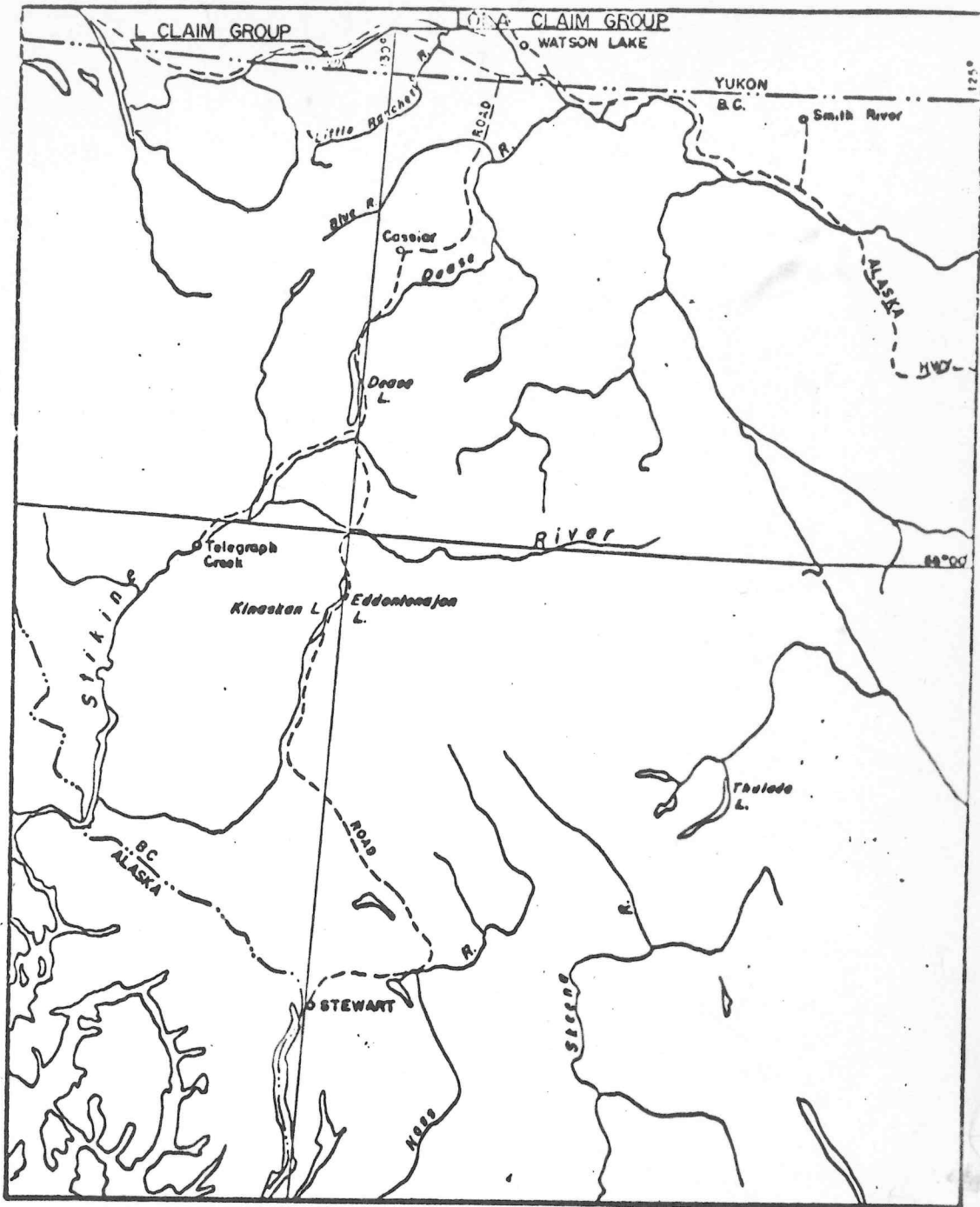
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LOCATION MAP

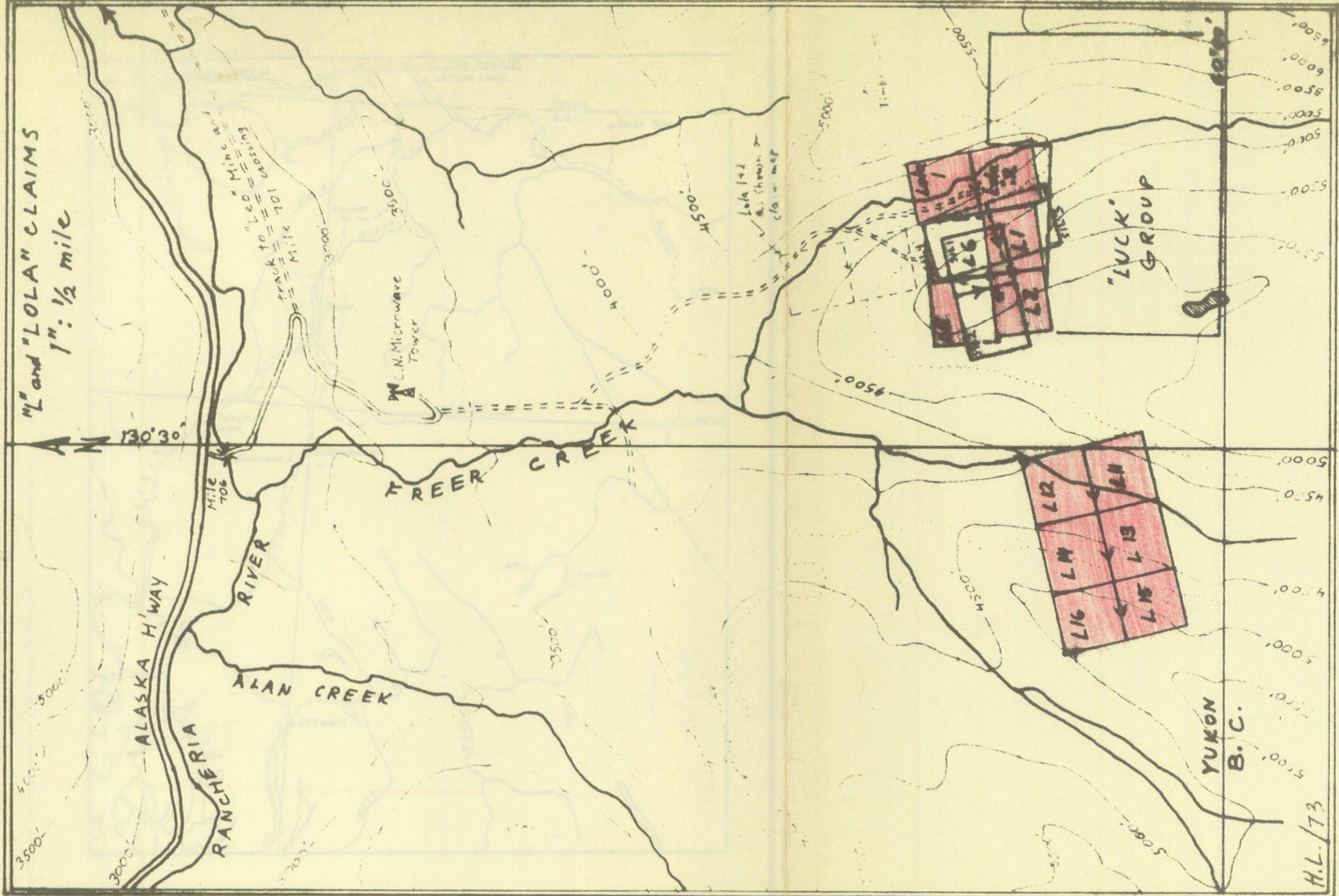
L, LOLA

CLAIM GROUPS

Scale 0 25 50 Miles

FOSTER IRWIN ENGINEERING & MANAGEMENT SERVICES LIMITED
EDMONTON, ALBERTA

MARCH, 1971



LOCATION MAP

L, LOLA CLAIM GROUPS

Scale 0 25 50 Miles

FOSTER IRAN ENGINEERING & MANAGEMENT SERVICES LIMITED
EDMONTON, ALBERTA MARCH, 1971

H.L. 173

I N T R O D U C T I O N

CLAIMS

The property consists of the following claims:

A) Group Certificate #699: (Eastern Group of Contiguous Claims)

- Lola 1, Tag # Y-42383, assessment due September 12, 1975.
- Lola 2, Tag # Y-42384, " " " " 12, 1975.
- L-1 , Tag # Y-19983, " " " " 29, 1974.
- L-2 , Tag # Y-19984, " " " " 29, 1974.

- L-5 , Tag # Y-73862, restaked by Barry Irwin, July 16, 1973.
- L-6 , Tag # Y-73863, " " " " " " " " .

The last two claims adjoin L-1 and L-2 to the south, and are not included in the group certificate. However, most of this ground is already covered by SIL Claims, staked by Mr. Todd in September of 1972 by overstaking parts of L-1 and L-2 Claims.

B) Group Certificate #700: (Western Group of Contiguous Claims)

- L-11, Tag # Y-27954, assessment due August 29, 1975.
- L-12, Tag # Y-27955, " " " " "
- L-13, Tag # Y-27956, " " " " "
- L-14, Tag # Y-27957, " " " " "
- L-15, Tag # Y-27958, " " " " "
- L-16, Tag# Y-27959, " " " " "

LOCATION AND ACCESS

The claims are located about four miles due south of Mile 706, Alaska Highway, in Yukon Territory, and one to one-and-half miles north of British Columbia/Yukon Territory boundary line.

Claims L-1, L-2, L-5 and L-6 are on the ridge east of main Freer Creek and west of its east tributary. The surface workings (trenches) are all on claim L-2, while the adit is on L-1.

The two Lola Claims are shown on government claim maps as being located about half a mile north of L Claims, which appears to be an error. Actually, they are supposed to be located in the valley east and contiguous to L-1 Claim, and are thus shown on the Arscott's maps (september 1971). Two claimposts are, in fact, located next to the 590' adit; they have no tags. (the writer feels that this uncertainty regarding the Lola Claims

should be cleared up by a survey).

To complicate the issue, four claims (SIL 1-4) were staked here in September, 1972 by a Mr. Todd, a local prospector. It was found during the 1973 field season that their locations are also not as shown on government claim maps. The actual location of SIL 1 and 2 initial posts are about half mile further ENE, and SIL 3 and 4 initial posts are about one third mile further NE (by the adit portal, near Lola posts described above.) This, in effect, means that SIL Claims were over-staked on ground already held by L-1 and 2 Claims. Similarly, the L-5 and 6 Claims are on the ground already partly covered by SIL Claims. (See claim location map).

The western group of claims, L-11 - 16, is located in the valley of the main Freer Creek and on the ridge west of it.

The trenches and adit on the eastern group can be reached by a rough road from Mile 706; this road continues south, past the workings, as a rough bulldozer track along the 5000' to 5500' high rocky ridge toward the Yukon Territory/British Columbia boundary. There is a small cabin near creek NE of the adit.

The western group of claims can be reached by branch roads up the main Freer Creek valley and along a western tributary. The conditions of these roads were not checked.

TOPOGRAPHY

The eastern group claims are on the crest and slopes of a rounded southerly trending ridge, near and above the timber line, between elevations 4500' and 5500'. This ridge rises and becomes more rugged toward south, with increasing bedrock exposure. The ridge terminates about a mile to the northwest of claims, near the creek junction. Outcrop is rather scarce on the claims even along the ridge, the area being covered mainly by scree and boulders. There is no outcrop in the valley, and along the lower slopes.

The trenches on Claim L-2 are in an easterly trending "saddle" and in adjacent gullies crossing the ridge summit, at about 5200' elevation.

There is no appreciable timber on the claims, aside from some dead (burned) and stunted trees near the cabin and in the valley. Water is available in the creek. Snow persists in the gullies and in the trenches until mid-summer.

The western group (not visited) is rather similarly situated on another ridge west of the main Freer Creek, between 4000' and 5000' elevations. It appears to be more heavily timbered.

REVIEW OF PREVIOUS ACTIVITIES

Several shipments of high-grade ore were made in the past from surface workings on L-2 Claim:

The first shipment was made by R.W. Kirkman in the fall of 1968 to East Helena plant of A.S.&R., consisting of 8.77 tons of hand-picked ore. It returned \$2,319.46, less costs. Ida-Ore Mines shipped two lots (13.7 and 7.6 tons dry) to East Helena, returning total net \$1,939.67 (this being \$1,413.01 and \$526.66 for \$103./ton and \$67./ton ore respectively). The respective assays of these last two shipments were:

Au:	0.07	and	0.06	ozs/ton
Ag:	68.4	"	57.6	ozs/ton
Pb:	49.0	"	37.0	%
Zn:	10.7	"	15.6	%
Cu:	0.25	"	0.30	%

There was no payment for Zinc; operating and capital costs were not deducted. (Increasing Cu-Zn content and decreasing Ag-Pb content in the last shipment probably indicates that it came from a greater depth.)

An adit 590' long was driven westerly (and approximately parallel to the strike of the surface showing) from the Lola Claims. Its projection is about 600' vertically below the trenches, which point it, however, did not reach, being short by some 600-700 feet at least of the target. The adit is reported to be in barren granite throughout, and the lack of any crosscuts and diamond drilling from it indicates a wasted effort so far.

The staff of Irwin Engineering Ltd. visited and examined the property on two occasions during 1970 and prepared a report on behalf of Mineral Hill Mines Ltd. who at that time owned the property (W.A. Fowers, March 1971). They outlined a two-phase programme for further development. Phase one was to consist of legal surveys of claims, prospecting, mapping, geochemical sampling, stripping-trenching, and drilling four diamond drill holes (500' each) from the adit, at estimated cost of \$45,000. Depending on the results of the above, a second phase was then recommended at about \$110,000. consisting of further stripping-trenching and underground development (minimum 1000 feet).

Subsequently, Mr. D. Arscott carried out a geological mapping and geochemical orientation survey on the grid laid out on L-1 and L-2 Claims during August, 1971 (D. Arscott, Sept. 1971) on behalf of Irwin Engineering Ltd.

Apparently some further trenching and blasting, using an air-track drill and compressor, was carried out also, but the writer has no data regarding this work. At present there are five

trenches on the L-2 Claim.

EXPLORATION DURING THE 1973 FIELD SEASON BY J. FOSTER IRWIN
ENGINEERING & MANAGEMENT SERVICES LTD.

On behalf of C.C. Curlett, J. Foster Irwin Engineering & Management Services Ltd. carried out the following exploration programmes during 1973:

- July 5 - 22: General reconnaissance of the eastern claim group and particularly the area around the present workings. It was followed by geochemical soil survey, where 123 soil samples were taken over an area 1600' x 800', on 200' x 50' interval, using the previous grid. The samples were analysed for silver, lead, and zinc, and the results plotted on 1" to 5' scale new base map.
- August 31 to: Further work was done during this period
September 10: consisting of cleaning out the four trenches and channel sampling the exposed mineralized zones and veins (total of 43 samples, assayed for silver, lead and zinc). Results were plotted on 1" to 50' scale map. At the same time a new base map was plotted on the above scale showing the present outline of the trenches. Geology of the trenches and the immediate adjacent area was then mapped on the same scale. Delays were caused by several breakdowns of the bulldozer and difficulties of getting the fuel, parts, etc... delivered. The main surface workings (Trench "A") could not be cleaned completely when hard ice was encountered in the bottom of the trench, and the dozer broke down the last time while trying to use rippers.

No work was done on the western group (L-11 to L-16) claims.

G E O L O G Y

ROCK TYPES

The geology in the area has already been described by J. Arscott (Sept. 1971). Further regional references are in G.S.C. Paper 68-55, Jennings River, B.C. Map Area. The following is based on Arscott's report and, to some extent, on writer's own observations.

The claims are entirely within the Cassiar Batholith, and some four miles west from its eastern contact. The outcrops are scarce on the claims, but there is much scree and boulders, which indicate that the area is underlain almost exclusively by the granitic intrusions, mainly quartz diorite.

The quartz diorite consists of 60% - 80% plagioclase, 5% - 20% quartz, 10% - 15% biotite mica and minor pink feldspars. Its texture is poikilitic to porphyritic, with plagioclase and some quartz phenocrysts.

In sharp contact with the above are irregular bodies of fine to medium grained diorite (grading to aplite), light gray to light brown in colour and 5% mafics content. They suggest intrusion into quartz diorite. There are also minor patches and small veins of pegmatite at scattered locations. Quartz veins are very rare.

Dark greenish-brown mafic dikes (called "diabase" by Arscott) were seen in several locations along the ridge, both on our claims, and south of them. They seem to be associated with the Pb-Ag-Zn mineralized zones in the surface workings on claim L-2, although this association may be only coincidental due to the fact that both the dikes and mineralization are caused by structural breaks (i.e. fault zones) in quartz diorite. These breaks and fault zones, with associated mafic dikes, were observed in several other locations along the higher part of the ridge as E-W trending gullies and "Saddles".

Scattered mafic rubble is also found in overburden and scree along the slopes throughout the area, particularly near the road east of the trenches. The continuation of these dikes was also reported (Arscott 1971) across the valley to the east, in the diorite outcrops near the top of the valley slope. This suggests that at least some of the dikes may have considerable length.

No sedimentary rocks were seen in the area.

STRUCTURE

Two major shear directions have been observed in the area:

a) N-S / steep to vertical, and b) N 70° E / moderately to steeply N. They are roughly parallel to the two major jointing directions. The gullies, with altered diorite rubble, and all mafic dikes are parallel to the N 70° E direction. All mineralization seems to be within the faults or fault rubble in the same direction.

There is indirect evidence of larger N-S fault movement along the Freer Creek tributary, indicated by a possible offset of the mafic dikes (at 32 E - 25 N and 10 W - 12 N), suggesting about 1000' of left-hand strike displacement (D. Arscott, 1971).

Slickensides in the trenches indicate nearly horizontal movement of easterly trending fault here. The fault zone here is several feet wide and consists of soft whitish to bluish clay and gouge, with strong wallrock alteration.

MINERALIZATION

The mineralization could be seen only after the bottoms of the trenches were bulldozed out. It consists of rather narrow (one to few inches wide) stringers of quartz and iron oxides, in places with galena and sphalerite, parallel to and near the major fault zone. Rusty, shattered diorite rubble and intense green alteration of diorite is common in the wallrock, as well as manganese coating. Gangue is mainly quartz, with some epidote; possible occurrence of barite has been reported previously. The previous ore shipments were probably made from a larger high-grade vein shown on Smith's map (Spartan Explorations Ltd. November, 1968) assumed to be now hidden by ice. This vein was shown as about 1 1/2 ft wide and at least 30 ft long and assayed (1 sample) 64.7 ozs/ton Ag and 46.68% Pb.

GEOLOGY OF THE WESTERN GROUP (L-11 - 16) CLAIMS

The writer has no knowledge or the data regarding this area. It is apparently also within the Cassiar Batholith and therefore underlain by the granitic (diorite) intrusions. It appears to be along the western strike extension of the mineralized structures found on L-2 Claim and, therefore, may be of some interest.

R E S U L T S O F W O R K D O N E I N 1 9 7 3

PROSPECTING AND MAPPING

Prospecting and reconnaissance traverses during 1973 were somewhat restricted due to lack of good outcrop exposures in the area, and therefore, the results discussed here are based mainly on trenching and geochemical work.

After the trenches were cleaned out, an area, about 1200' x 200' to 300', was mapped on 1":50' scale. The bedrock areas now exposed by the trenches are somewhat larger than shown on Smith's map (Spartan Explorations Ltd., November 1968, enclosed in Fower's report).

The results of this mapping indicate very strong fault zone, trending about N 70° E, consisting of zone of fault clay and gouge and some rusty rubble, usually several feet wide. More than one fault zone was seen in the easternmost trench (Trench "A").

A dark fine-grained mafic dike could be traced for about 700' parallelling the north wall of the fault. There appears to be several other mafic dikes on both sides of the fault, having roughly the same direction.

The ore veins and mineralized stringers are in rusty, altered and broken diorite, in the footwall (south wall) side of the fault, and parallel to it. In some cases they are in mafic dikes, but there is probably no direct relationship between the dikes and mineralization.

The lead-silver-zinc mineralization is in quartz or/and rusty hematite stringers, generally only 1"-3" wide, striking about N 70° E and dipping 60°-70° North. Most of these veins and stringers contain only iron, plus some quartz. Galena, the dominant ore mineral here, occurs usually in patches or pockets along the stringers, often mixed with rust. Very minor chalcopyrite was seen in the galena float in Trench "A".

Two mineralized stringers were exposed in the easternmost trench (Trench "A") and one stringer and a couple of small pockets of galena were seen in westernmost Trench "D". No visible mineralization was seen in Trenches "B", "C" and "E".

Of all the veins exposed none seemed to have any economic size or grade. However, it is suggested that the geochemical anomalies (see following) to the east may indicate the continuation of the possible ore zone there. Part of this area is now covered by a

muck pile.

GEOCHEMICAL SOIL SAMPLING

The 1971 orientation soil sampling (90 samples, on 3 lines) indicated some rather strong Pb-Zn-Ag anomalies in the area, particularly along line 4 E, east of Trench "A". The present sampling was more detailed, but also more limited in area, and only served the purpose of confirming and outlining these anomalies in greater detail. It did not cover all of Arscott's sampling grid (see maps, Arscott, Sept. 1971), nor did it attempt to follow extent of anomalies outside the known areas.

As expected, a definite medium to very strong geochemical anomalous zone was found to be associated with the major ore bearing structure. However, the strongest Pb-Zn-Ag anomalies occur not around the present surface workings, but downhill, some 600'-700' east of these. Lack of further sampling toward east (as well as west of Trench "D") does not permit drawing any definite conclusions regarding the extent and significance of these outlying geochemical anomalies. Some contamination, due to downhill seepage of mineral rich water from the showings, can be expected, but this still does not explain the two strong anomalies at 9 N-4 E and 11 N- 4E (which are "open" towards east).

Further detailed soil sampling appears to be necessary, both to east and west of the present sample grid to establish the extent and the intensity of the geochemical anomalies before any targets are picked for further exploration work.

TRENCHING AND CHANNEL SAMPLING

The trenching and subsequent channel sampling failed to indicate any ore veins of economic width or grade. In this respect the results agree with the previous sampling of the four trenches carried out by C.L. Smith and A. Carlos, (Spartan Explorations Ltd., November 1968), with the exception of a 1 1/2' x 30' x 40' vein shown on Smith's maps which we did not discover. (only one sample, 1 1/2' across the vein, was taken here by Smith, and it assayed 64.8 ozs/ton Ag and 46.68% Pb) The writer assumes that this vein remained unexposed due to the thick layer of ice in the deepest part of trench "A" which our bulldozer was unable to remove. The rough location of this high-grade vein appears to be where the ice is. Furthermore, it seems logical to conclude that the previous ore shipments (about 30 tons) made from this property came from this vein, resulting in a deep excavation in the trench, which is now filled with ice. It is intriguing to speculate if any ore is still left there. The stripping figures show a slight decrease of Ag-Pb assays in the last shipment made.

Two narrow rusty veins, a few inches wide, were found in Trench "A"; they contained small pockets of high-grade galena. The best assays were about 3 to 6.5 ozs/ton Ag, 1.5 to 4.25% Pb and 1.75 to 2.4% Zn across 5' sample widths (including much barren wallrock).

No ore was found in Trenches "B" and "C".

In Trench "D" a 2"-4" rusty shear was found to contain a few stringers and pockets of galena. The best assays here were about 1 to 1.74 ozs/ton Ag, 2.3 to 8.85% Pb and 1.2 to 5.8% Zn across 4' to 5' sample widths.

Trench "E", south of Trench "A", was not bulldozed nor sampled. It appears to be in the overburden-scrree, and contains barren looking mafic and diorite rubble. There is a small but strong silver anomaly just south of it.

There is also a strong Pb-Zn anomaly in the Trench "F" area.

Unfortunately, the results of our geochemical survey were not yet available in the field, so no use could be made of these in order to trench any new areas, or to extend the present workings.

About 300 lbs (estimated) of massive, high-grade galena float was hand-picked from the Trench "A" while bulldozing; most of it came north of the iced-in area. Initially, it appeared to indicate a substantial high-grade vein below, as the ore chunks were in the undisturbed soil layer (overlain by previous muck pile). However, when the bedrock was exposed, only narrow pockets of galena were found in rusty broken diorite and fault gouge. Did they come from some source further uphill, from north or west? No such source can be seen here.

There is some indication that the veins, particularly the northern one, in Trench "A" may continue toward east, the area under a thick muck pile now.

The writer feels that any future trenching should be done to explore the extensions of the established zones, as well as the geochemical anomalies, rather than excavating the present workings, with the exception of the iced-in area.

C O N C L U S I O N S

TRENCHING AND SAMPLING

- 1) No mineralization of economic value was discovered in the surface workings.
- 2) The 1 1/2' x 30' x 40' high-grade vein, reported by Smith in 1968, was not found. It is assumed to be the vein from which about 30 tons of high-grade ore was shipped in the past, and which now apparently is covered by the iced-in area in Trench "A". The bulldozer was unable to remove this ice.
- 3) Minor high-grade pockets of galena were found in Trenches "A" and "D".
- 4) There is indication that the small veins in Trenches "A" and "D" may continue east and west, respectively. However, both areas are now covered by muck pile.
- 5) Regarding trenching, the lack of space in the gullies makes further trenching of present workings increasingly difficult.

GEOLOGY

- 6) The ore stringers and veins are associated with and parallel to a strong N 70° E striking fault zone.
- 7) Several fine grained mafic dikes are also associated with the above fault zone.
- 8) The association between the dikes and Pb-Zn-Ag mineralization appears to be so far co-incidental only.
- 9) Regardless of the aforesaid, the dikes may still serve as a guide to finding fault zones, which in turn, may lead to ore zones.

GEOCHEMISTRY

- 10) A definite east trending Silver-Lead-Zinc anomalous zone is associated with the ore bearing structure; i.e. the major fault zone.
- 11) The geochemical anomalies become strongest toward east and downhill from the present workings. There is possibly some contamination by seepage from workings also.

- 12) The anomalies are "open", both to east and west of the present workings, suggesting that they could be extended by further geochemical sampling.

R E C O M M E N D A T I O N S

EASTERN GROUP OF CLAIMS

- 1) Determine exact claim boundaries by a survey.
- 2) Carry out further geochemical surveys in the area, particularly to the west and east of the trenches along the strike of the N 70° E fault zone.
- 3) Using a D-9 or similar bulldozer with rippers, clean out the iced-in area in Trench "A" so that the high-grade vein reported by Smith could be sampled and examined.
- 4) Depending on the results obtained in item 2) above, trench the geochemical anomalies away from the present workings.
- 5) Also consider trenching the high silver anomaly at 11 N-2 W (south of Trench "E").
- 6) Regarding items 4) and 5) above, it is recommended that the bulldozer trenching be done in north-south direction, so as to crosscut any mineralized structures. Also, once the bedrock is reached, further trenching can then be carried out by drilling-blasting and using a back-hoe for mucking.
- 7) Depending on the results of the above work, consider then diamond drilling:
 - a) from the adit below, and
 - b) from surface (in the trenches).
- 8) Map and sample any new workings.

WESTERN GROUP OF CLAIMS

- 9) Locate claimposts and establish the claim boundaries.
- 10) General prospecting and geological traversing of the area to locate any showings and areas of interest. Limited reconnaissance type geochemical surveys could be carried out at the same time (stream and soil sampling).
- 11) Depending on the results of item 10) above, consider laying out a baseline and grid (s) over favourable areas, to be followed by more accurate geological mapping and sampling programme.
- 12) Review of above results.

R E F E R E N C E S

- 1) Geophysical Reference, Kirkman Mines, Dale Mountain, Yukon, by G.E. Midgley, October 14, 1957 (refers to E.M. survey; map not included).
- 2) Report on "706" Group of Mineral Claims, Dale Mountain, Yukon, by J.F. Burton, July 3, 1970.
- 3) Report on Mineral Claims L-1 and 2, and L-11 - 16, Mile 706, Alaska Highway, Y.T., by W.A. Fowers.
- 4) Report on Mineral Claims L-1 and L-2, and L-11 - 16, Lola 1 & 2, DEM 17-38, Alaska Highway, for Mineral Hill Mines Ltd., by W.A. Fowers, March 25, 1971 (enclosed: Spartan Exploration Ltd. Geology and Assay Map, by C.L. Smith, November 8, 1968).
- 5) Geological Mapping and Geochemical Orientation Survey of the L-1 and L-2, Lola 1 & 2, and L-5 - L-16 Claims, by D. Arscott, September 10, 1971 (with maps).
- 6) G.S.C. Paper 68-55, Jennings River Map Area.
- 7) G.S.C. Paper 68-70, Metallogeny of the Region Adjacent to the Northern Part of the Cassiar Batholith, Y.T. and B.C., by R. Mulligan.

A P P E N D I X

(SAMPLE DATA and ASSAY SHEETS)

PROPERTY _____

DATE _____

RELS REPORTED
TO: _____

ASSAY RECORD

SAMPLE NO.	LOCATION		ASSAY FOR (P.P.M.)				SAMPLE DESCRIPTION (All samples have Prefix LS...)		
	LINE	STATION	Pb	Zn	Ag.	COLOUR	MATERIAL	REMARKS	
LS-1	4 E	8 N	140	100	0.2	Dk gy-blk	Org. & sand		
" 2	"	8.5	230	335	0.4	Gy-bwn	Sand & Org.		
3	"	9	2225	1150	16.2	Dk gy-bwn	Grit; org.		
4	"	9.5	780	1715	6.8	" " "	" "		
5	"	10	310	473	3.2	Gy-yel.	Sandy		
6	"	10.5	580	500	3.4	Dk bwn	Sandy;org.		
7	"	11	780	283	5.4	" "	" "		
8	"	11.5	265	440	2.8	Dk gy-bwn	" "		
9	"	12	290	1260	2.8	Gy-yel.	Sandy		
10	"	12.5	45	440	0.6	Gy-bwn	"		
11	"	13	2825	1970	9.4	Dk bwn gy	Fine sandy; org.		
12	"	13.5	480	343	2.0	Gy & Blk	Sand & org.		
13	"	14	26	356	0.2	Yel.-bwn	Sandy		
14	"	14.5	12	54	1.0	Grey	Sand		
15	"	15	17	62	0.4	Lt bwn	"		
16	"	15.5	14	57	0.4	Gy-bwn	Sandy		
17	"	16 N	29	67	0.4	gy-blk	"		
18	2 E	10 N	62	180	0.1	gy-bwn	"		
19	"	10.5	72	185	0.6	Yel.-gy	"		

Continue

PROPERTY _____

DATE _____

REVIS REPORTED
TO: _____

ASSAY RECORD

SAMPLE NO.	LOCATION		ASSAY FOR (P.P.M.)				SAMPLE DESCRIPTION (All samples have Prefix LS-..)		
	LINE	STATION	Pb	Zn	Ag	COLOUR	MATERIAL	REMARKS	
LS-20	2-E	10 N	210	364	1.0	Dk gy bwn	Fine sandy		
21	"	11.5	870	1235	4.0	Bwn-gy	" " &org.	Swampy	
22	"	12	810	2160	2.8	Gy	Clay & Sand	"	
23	"	12.5	1460	1090	3.4	Blk	Fine soil	"	
24	"	13	26	117	1.6	Yel.	Sandy		
25	"	13.5	14	100	1.0	Yel.	"		
26	"	14 N	23	77	0.4	"	"		
27	0 E/W	8 N	26	112	1.0	Bwn	"		
28	"	8.5	42	100	0.4	"	Fine Sandy	Road Bank 10' W	
29	"	9	330	47	0.2	Dk gy	Sandy; Org.		
30	"	9.5	29	41	0.6	Gy	" "		
31	"	10	330	185	2.0	Dk gy	" "		
32	"	10.5	29	93	0.2	Yel.-Gy	Sandy		
33	"	11	89	160	1.0	" "	"		
34	"	11.35	210	378	1.8	Grey	"		
35	"	12	620	265	0.2	Bwn-blk	Sandy' Org.	15' E	
36	"	12.5	72	252	0.1	Yellow	Sandy		
37	"	13	290	371	1.0	gy-bwn	Fine Sandy; Org.		
38	"	13.5	39	93	0.4	Bwn	Sandy		

CONTINUE

PROPERTY _____

DATE _____

REVIS REPORTED
TO: _____

ASSAY RECORD

SAMPLE NO.	LOCATION		ASSAY FOR (P.P.M.)			SAMPLE DESCRIPTION (All samples have Prefix LS-..)		
	LINE	STATION	Pb	Zn	Ag	COLOUR	MATERIAL	REMARKS
LS-58	4 W	10.5	36	125	1.6	Yel-bwn	Sandy	
59	"	11	58	130	1.0	Gy-bwn	"	So. slope, gully
60	"	11.5	74	195	0.2	Bwn-gy	Sandy, clay	" " "
61	"	12	100	270	0.2	Dk bwn gy	" "	Gully bottom
62	"	12.31	210	416	0.4	Bwn-gy	Sandy; Org.	" "
63	"	12.62	52	195	0.2	Blk-bwn	" "	No. Slope, gully
64	"	13	26	72	0.1	Dk gy-bwn	" "	
65	"	13.5	20	59	0.2	Bwn	Sandy	
66	"	14	17	67	0.2	Dk Bwn	"	
67	"	14.5	20	62	0.1	Yel-bwn	"	
68	"	15	14	38	0.2	Yellow	"	
69	"	15.5	12	39	0.2	Gy-bwn	"	
70	"	16 N	10	52	0.1	" "	"	
71	6 W	10 N	14	73	0.2	" "	"	
72	"	10.5	51	224	0.2	Yellow	"	Slope No.
73	"	11	130	160	0.4	Dk bwn	Sandy&Organic	" "
74	"	11.7	125	700	0.4	Grey	Grit & Sand	Gully
75	"	12	600	925	1.8	Dk gy	" & Org.	NOT gully
76	"	12.5	20	93	0.1	Dk bwn	Fine Sand & Org.	

CONTINUE

PROPERTY _____

DATE _____

RE S REPORTED
TO: _____

ASSAY RECORD

SAMPLE NO.	LOCATION		ASSAY FOR (P.P.M.)			SAMPLE DESCRIPTION (All samples have Prefix LS-.)		
	LINE	STATION	Pb	Zn	Ag	COLOUR	MATERIAL	REMARKS
LS-77	6 W	13	20	77	0.2	Bwn	Sandy	
78	"	13.5	15	66	0.4	"	"	
79	"	14 N	10	47	0.2	Yel-bwn	Sand	
80	8 W	8 N	53	283	0.2	" "	Sandy	Slope West
81	"	8.5	45	270	0.2	Dk gy bwn	Sandy & Org.	
82	"	9	66	230	0.2	Bwn-blk	" & "	
83	"	9.5	20	117	0.4	Yel-bwn	Sand	
84	"	10	36	125	0.1	Gy-bwn	Sandy	
85	"	10.5	34	64	0.4	" "	Sandy & Org.	
86	"	11	42	69	0.4	Blk-bwn	" " "	
87	"	11.5	29	117	0.4	Gy-bwn	Sandy	So. Slope, Gully
88	"	12	225	490	1.6	Dk gy	Soil (org.)	30' E; bottom, gully
89	"	12.5	28	97	0.1	Grey	Sand & org.	
90	"	13	23	59	0.2	Gy-yel.	Sandy	
91	"	13.5	18	41	0.1	Dk gy	"	
92	"	14	20	175	0.2	Gy-yel.	"	
93	"	14.5	14	121	0.2	yel.	"	
94	"	15	23	77	0.4		"	
95	"	15.5	18	31	0.4	Yel.-gy	"	

CONTINUE

PROPERTY _____

DATE _____

REV
70:

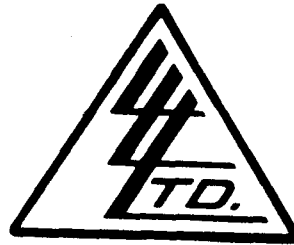
ASSAY RECORD

SAMPLE NO.	LOCATION		ASSAY FOR (P.P.M.)			SAMPLE DESCRIPTION (All samples have Prefix LS-...)		
	LINE	STATION	Pb	Zn	Ag	COLOUR	MATERIAL	REMARKS
LS-96	8 W	16 N	14	64	0.2	Yel.-gy	Sandy	
97	10 W	10 N	33	175	0.2	Dk gy-bwn	" ; Org.	Slope W
98	"	10.5	68	241	0.4	" " "	" "	"
99	"	11	72	322	0.6	Yellow	Sandy	"
100	"	11.5	39	170	0.2	Dk gy-bwn	Grit & Sand	"
101	"	12.1	210	416	1.0	Grey	Sand & Rubble	"
102	"	12.5	23	117	0.4	Dk Grey	Org. & Sand & Grit	"
103	"	13	23	109	0.4	Dk bwn	Sandy	"
104	"	13.5	26	81	0.2	Bwn	"	"
105	"	14 N	26	125	0.1	Bwn-blk	Grit & Org.	"
106	12 W	8 N	21	103	0.4	Yel-gy	Sandy	Steep Slope W
107	"	8.5	26	125	0.1	Grey	Sandy & Org.	" "
108	"	9	28	100	0.2	Yel-gy	Fine, Sandy	" "
109	"	9.5	33	71	0.1	Grey	Sandy; Org.	" "
110	"	10	20	75	0.2	Gy-bwn	Sandy	" "
111	"	10.5	33	103	0.2	Yel-bwn	Grit & sand	Slope W
112	"	11	26	117	0.2	Yellow	Sandy	"
113	"	11.5	29	135	1.0	"	"	"
	"	12	23	315	0.4	"	"	"

AUG 13 1973

To: POSCO MINING LTD.,
 Site 3, Compartment 17,
 B.R. #3,
 SOUTH EDMONTON, Alta.

File No. 6799
 Date August 8, 1973
 Samples Geo-chems



ATTENTION: J. Foster Irwin

**Certificate of
 ASSAY OF
 LORING LABORATORIES LTD.**

-1-

SAMPLE No.	PPM Pb	PPM Zn	PPM Ag
LS-1 4E-8N	140	100	0.2
LS-2 4E-8.5N	230	335	0.4
LS-3 4E-9N	2225	1150	16.2
LS-4 4E-9.5N	780	1715	6.8
LS-5 4E-10N	310	473	3.2
LS-5 4E-10.5N	580	500	3.4
LS-7 4E-11N	780	283	5.4
LS-8 4E-11.5N	265	440	2.8
LS-9 4E-12N	290	1260	2.8
LS-10 4E-12.5N	45	440	0.6
LS-11 4E-13N	2825	1970	9.4
LS-12 4E-13.5N	480	343	2.0
LS-13 4E-14N	26	356	0.2
LS-14 4E-14.5N	12	54	1.0
LS-15 4E-15N	17	62	0.4
LS-16 4E-15.5N	14	57	0.4
LS-17 4E-16N	29	67	0.4
LS-18 2E-10N	62	180	0.1
LS-19 2E-10.5N	72	185	0.6
LS-20 2E-11N	210	364	1.0
LS-21 2E-11.5N	870	1235	4.0
LS-22 2E-12N	810	2160	2.8
LS-23 2E-12.5N	1460	1090	3.4
LS-24 2E-13N	26	117	1.6
LS-25 2E-13.5N	14	100	1.0
LS-26 2E-14N	23	77	0.4
LS-27 0-8N	26	112	1.0
LS-28 0-8.5N	42	100	0.4
LS-29 0-9N	330	47	0.2
LS-30 0-9.5N	29	41	0.6
LS-31 0-10N	330	185	2.0

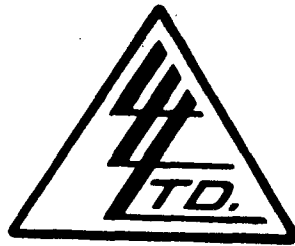
**I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES**

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

J. Foster Irwin
 Licensed Assayer of British Columbia

AUG 13 1973

To: FOSCO MINING LTD.,
 Site 3, Compartment 17,
 R.R. #3,
 EDMONTON, Alta.
 ATTENTION: J. Foster Irwin



File No. 6799
 Date August 8, 1973
 Samples Geo-chems

Certificate of
 ASSAY OF
 LORING LABORATORIES LTD.

-2-

SAMPLE No.	PPM	PPM	PPM
	Pb	Zn	Ag
LS-32 0-10.5N	29	93	0.2
LS-33 0-11N	89	160	1.0
LS-34 8' E of 0-11N.35	210	378	1.8
LS-35 0-12N	620	265	0.2
LS-36 0-12.5N	72	252	0.1
LS-37 0-13N	290	371	1.0
LS-38 0-13.5N	39	93	0.4
LS-39 0-14N	20	41	0.2
LS-40 0-14.5N	29	62	0.2
LS-41 0-15N	29	36	0.1
LS-42 0-15.5N	23	41	0.2
LS-43 0-16N	29	52	0.6
LS-44 2W-10N	42	170	0.1
LS-45 2W-10.5N	130	121	1.0
LS-46 2W-11N	240	270	6.4
LS-47 2W-11.5N	240	329	2.0
LS-48 2W-12N	620	440	3.4
LS-49 2W-13.5N	180	150	2.2
LS-50 2W-13.8N	36	93	0.6
LS-51 2W-14.5N	23	64	0.2
LS-52 2W-15N	23	54	0.4
LS-53 4W-8N	42	59	0.4
LS-54 4W-8.5N	44	67	0.4
LS-55 4W-9N	106	39	1.6
LS-56 4W-9.5N	140	150	2.0
LS-57 4W-10N	65	81	0.4
LS-58 4W-10.5N	36	125	1.6
LS-59 4W-11N	58	130	1.0
LS-60 4W-11.5N	74	195	0.2
LS-61 4W-12N	100	270	0.2

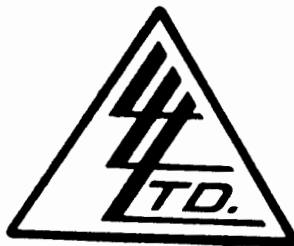
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File No. 6799
 Date August 8, 1973
 Samples Geo-chems

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

-3-

SAMPLE No.	PPM Pb	PPM Zn	PPM Ag
LS-62 4W-12.31N	210	416	0.4
LS-63 4W-12.62N	52	195	0.2
LS-64 4W-13N	26	72	0.1
LS-65 4W-13.5N	20	59	0.2
LS-66 4W-14N	17	67	0.2
LS-67 4W-14.5N	20	62	0.1
LS-68 4W-15N	14	38	0.2
LS-69 4W-15.5N	12	39	0.2
LS-70 4W-16N	10	52	0.1
LS-71 6W-10N	14	73	0.2
LS-72 6W-10.5N	51	224	0.2
LS-73 6W-11N	130	160	0.4
LS-74 6W-11.7N	125	700	0.4
LS-75 6W-12N	600	925	1.8
LS-76 6W-12.5N	20	93	0.1
LS-77 6W-13N	20	77	0.2
LS-78 6W-13.5N	15	66	0.4
LS-79 6W-14N	10	47	0.2
LS-80 8W-8N	53	283	0.2
LS-81 8W-8.5N	45	270	0.2
LS-82 8W-9N	66	230	0.2
LS-83 8W-9.5N	20	117	0.4
LS-84 8W-10N	36	125	0.1
LS-85 8W-10.5N	34	64	0.4
LS-86 8W-11N	42	69	0.4
LS-87 8W-11.5N	29	117	0.4
LS-88 8W-30' E of 12N	225	490	1.6
LS-89 8W-12.5N	28	97	0.1
LS-90 8W-13N	23	59	0.2
LS-91 8W-13.5N	18	41	0.1

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

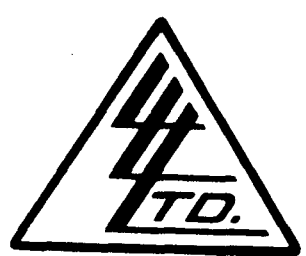
Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

E. L. M. J. J. J.
 Licensed Assayer of British Columbia

AUG 13 1973

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ATTENTION: J. Foster Irwin

File No. 6799
Date August 8, 1973
Samples Geo-chems



Certificate of
ASSAY of
LORING LABORATORIES LTD.

-4-

SAMPLE No.	PPM Pb	PPM Zn	PPM Ag
LS-92 8W-14N	20	175	0.2
LS-93 8W-14.5N	14	121	0.2
LS-94 8W-15N	23	77	0.4
LS-95 8W-15.5N	18	31	0.4
LS-96 8W-16N	14	64	0.2
LS-97 10W-10N	33	175	0.2
LS-98 10W-10.5N	68	241	0.4
LS-99 10W-11N	72	322	0.6
LS-100 10W-11.5N	39	170	0.2
LS-101 10W-12.1N	210	416	1.0
LS-102 10W-12.5N	23	117	0.4
LS-103 10W-13N	23	109	0.4
LS-104 13.5N	26	81	0.2
LS-105 10W-14N	26	125	0.1
LS-106 12W-8N	21	103	0.4
LS-107 12W-8.5N	26	125	0.1
LS-108 12W-9N	28	100	0.2
LS-109 12W-0.5N	33	71	0.1
LS-110 12W-10N	20	75	0.2
LS-111 12W-10.5N	33	103	0.2
LS-112 12W-11N	26	117	0.2
LS-113 12W-11.5N	29	135	1.0
LS-114 12W-12N	23	315	0.4
LS-115 12W-12.4N	440	700	1.6
LS-116 12W-12.7N	380	500	1.2
LS-117 12W-13N	20	77	0.2
LS-118 12W-13.5N	20	69	0.2
LS-119 12W-14N	33	100	0.2
LS-120 12W-14.5N	31	94	0.4
LS-121 12W-15N	29	135	0.2
LS-122 12W-15.5N	265	329	0.6
LS-123 12W-16N	17	97	0.4

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Rejects Retained one month.
Pulps Retained one month
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J. Foster Irwin
Licensed Assayer of British Columbia

PROPERTY " Claims

DATE September 1973.

ASSAY RECORD

SAMPLE NO.	ASSAY FOR						LOCATION
	TRENCH Ref.	FROM	TO (N)	Ag. Oz/T	Pb %	Zn %	
1026-A	A-I (W)	0'	5'	3.98	4.25	1.74	Rusty Diorite Rubber; Rusty Vein. Galena Vein 2" - 3", 60°± / 60° - 70° N.
1027-A	"	5'	10'	.98	.60	.57	Rubble & gouge, Some rusty
1028-A	"	10'	15'N	.16	.03	.18	Broken Dior., some rusty, some fault gouge
1029-A	A-II	0'	5'	.08	.05	.21	Whitish gouge & (mafic ?) rubble
1030-A	"	5'	10'	.82	.68	2.41	Rusty dior. rubble vein (as above) 1"-2", some Galena
1031-A	"	10'	15'N	.08	.03	.10	Mafic Dike; fault gouge
1032-A	A-III	0'	5'	.16	.05	.17	Fault gouge, diorite rubble
1033-A	"	5'	10'	2.68	.77	.14	Rusty broken dior.
1034-A	"	10'	15'N	.26	.09	.21	Fault Clay & Gouge; some mafics
1035-A	A-IV	0'	5'	2.96	1.52	.15	Rusty Broken Dior.
1036-A	"	5'	10'	.14	.03	.10	" " " 1' Grey Dioritic gouge
1037-A	"	10'	15'N	.48	.04	.22	Rusty Rubble & Grey fault gouge
1038-A	A-V	0'	5'	.12	.03	.19	Rusty Broken Dior.
1039-A	"	5'	10'	.22	.04	.13	Grey & Broken rubble (dior.)
1040-A	"	10'	15'	.66	.87	.14	" " "(I)Grey fault gouge & clay
1041-A	"	15'	20'N	.14	.05	.08	Mostly pale grey clay-like fault gouge
1042-A	A-VI	0'	5'	.22	.14	.14	Rusty dior. & rubble
1043-A	"	5'	10'	2.82	2.08	.23	Dark mafic rubble; some rust
1044-A	"	10'	15'N	.48	.27	.20	Pale fault gouge & clay; some rust.
1045-A	A-VII	0'	5'	.10	.04	.54	Rusty broken diorite

ASSAY RECORD Page 2.

SAMPLE NO.	ASSAY FOR						LOCATION
	Trench Ref.	FROM	TO (N)	Ag. Oz/T	Pb %	Zn %	
1046-A	A-VII	5'	10'N	1.18	.45	1.56	Fault, clay w/rusty seams 2"-3"
1047-A	A-IIX	0'	5'	6.54	.60	1.12	Gouge; rusty dior., rusty seam 2"-3", dips N.
1048-A	"	5'	10'N	.28	.04	.46	Dark altered (sericitic?) diorite
1049-A	A-IX (E)	0'	5'	.16	.05	.32	Diorite w/rusty seams
1050-A	"	5'	10'	.16	.18	.46	Dior. rubble & fault gouge
1051-A	"	10'	15'	1.42	1.31	1.46	" " rusty seam 1"-2"
1052-A	"	15'	20'N	.12	.04	.24	Altered (sericitic?) dior.
1053-A	B	0'	8'N	.16	.03	.08	Mafic & granite (?) rubble; some gouge
1054-A	B	8'	16'N	.18	.03	.12	Clay-like pale blue fault gouge.
1055-A	C	0'	7'	.08	.01	.06	Granite?, dior. rubble & gouge
1056-A	C	7'	14'	.10	.02	.07	" " " "
1057-A	C	14'	22'N	.06	.02	.07	" " mafics to N.
1058-A	DI (W)	0'	4'N	1.08	.94	1.74	Rusty shear 4", E/60°N, in dark mafics
1059-A	D-II	0'	4'	1.74	2.29	5.81	" " with minor galena
1060-A	"	4'	8'N	.12	.13	1.21	Mafic Dike
1061-A	D-III	0'	5'N	1.64	8.85	4.03	Rusty shear (as above) 3"-4" in mafic dike
1062-A	D-IV	0'	5'	.58	.72	1.40	" " minor sheared diorite, minor galena
1063-A	"	5'	10'	.12	.07	.54	Sheared, diorite gouge
1064-A	"	10'	15'	.12	.08	.28	Green clay-like fault gouge
1065-A	"	15'	20'N	.04	.09	.28	" " " " " some mafic dike rock

CONTINUE

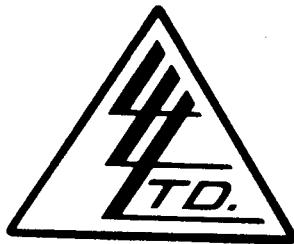
To: FOSCO MINING LTD.,

Site 3, Compartment 17,

R.R. # 3,

SOUTH EDMONTON, Alta.

ATTN: Mr. J. Foster Irwin



File No. 7514

Date September 20, 1973

Samples Chip

Certificate of
ASSAY of
LORING LABORATORIES LTD.

-3-

SAMPLE No.	oz./TOL GOLD	oz./TON SILVER	% Pb	% Zn
897	.020	12.58	.90	5.71
989	.020	41.64	5.50	1.80
899	.020	20.10	.22	8.36
1026A	-	3.98	4.25	1.71
1027A	-	.98	.60	.57
1028A	-	.16	.03	.13
1029A	-	.08	.05	.21
1030	-	.82	.68	2.10
1031A	-	.08	.02	.10
1032A	-	.16	.05	.17
1033A	-	2.68	.77	.14
1034A	-	.26	.09	.21
1035A	-	2.96	1.52	.15
1036A	-	.14	.03	.10
1037A	-	.48	.04	.22
1038A	-	.12	.03	.19
1039A	-	.22	.04	.13
1040A	-	.66	.87	.14
1041A	-	.14	.05	.03
1042A	-	.22	.14	.14
1043A	-	2.82	2.08	.23

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

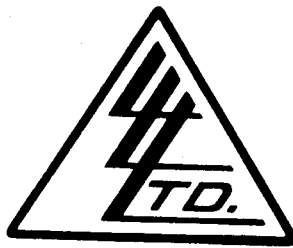
acts Retained one month.

Pulps Retained one month
unless specific arrangements
made in advance.

A. M. Isaac

Licensed Assayer of British Columbia

To: POSCO MINING LTD.,
Site 3, Compartment 17,
R.R. #3,
SOUTH EDMONTON, Alta.
ATTN: Mr. J. Foster Irwin



File No. 7514
 Date September 20, 1973
 Samples Chip

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Pb	% Zn
1044A	-	.48	.27	.20
1045A	-	.20	.04	.54
1046A	-	1.18	.45	1.56
1047A	-	6.54	.60	1.12
1048A	-	.28	.04	.46
1049A	-	.16	.05	.32
1050A	-	.16	.18	.46
1051A	-	1.42	1.31	1.46
1052A	-	.12	.04	.24
1053A	-	.16	.03	.08
1054A	-	.18	.03	.12
1055A	-	.08	.01	.06
1056A	-	.10	.02	.07
1057A	-	.06	.02	.07
1058A	-	1.08	.94	1.74
1059A	-	1.74	2.29	5.81
1060A	-	.12	.13	1.21
1061A	-	1.64	8.85	4.03
1062A	-	.58	.72	1.40
1063A	-	.12	.07	.54
1064A	-	.12	.08	.28

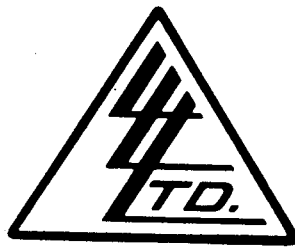
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Refractories Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

A. Loring Irwin
 Licensed Assayer of British Columbia

To: **FORCO MINING LTD.,**
 Site 3, Compartment 17,
 R.R. #3,
 SOUTH EDMONTON, Alta.
 ATTN: Mr. J. Foster Irwin

File No. 7514
 Date September 20, 1973
 Samples Chdp



Certificate of
ASSAY OF
LORING LABORATORIES LTD.

-5-

SAMPLE No.	oz./TON GOLD	oz./TON SILVER	% Pb	% Zn
1065A	-	.04	.09	.28
1066A	-	2.08	11.71	9.12
1067A	-	.20	.15	.54
1068A	-	1.04	.27	2.63
08902	Trace	10.64	1.40	4.19
08903	.010	44.04	6.11	9.69
08904	.010	33.22	6.83	.91
08905	.010	38.16	8.42	8.83
08906	Trace	23.42	11.10	9.73
08907	Trace	23.38	6.51	9.54
08908	Trace	10.98	6.10	4.80
08909	Trace	4.52	.68	7.90
08910	Trace	43.22	2.93	7.01
08911	Trace	39.16	2.07	11.23
08912	Trace	43.36	4.95	9.25
08913	Trace	4.20	.65	2.12
08914	Trace	12.52	1.72	4.32

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

C. D. M. Irwin
 Licensed Assayer of British Columbia

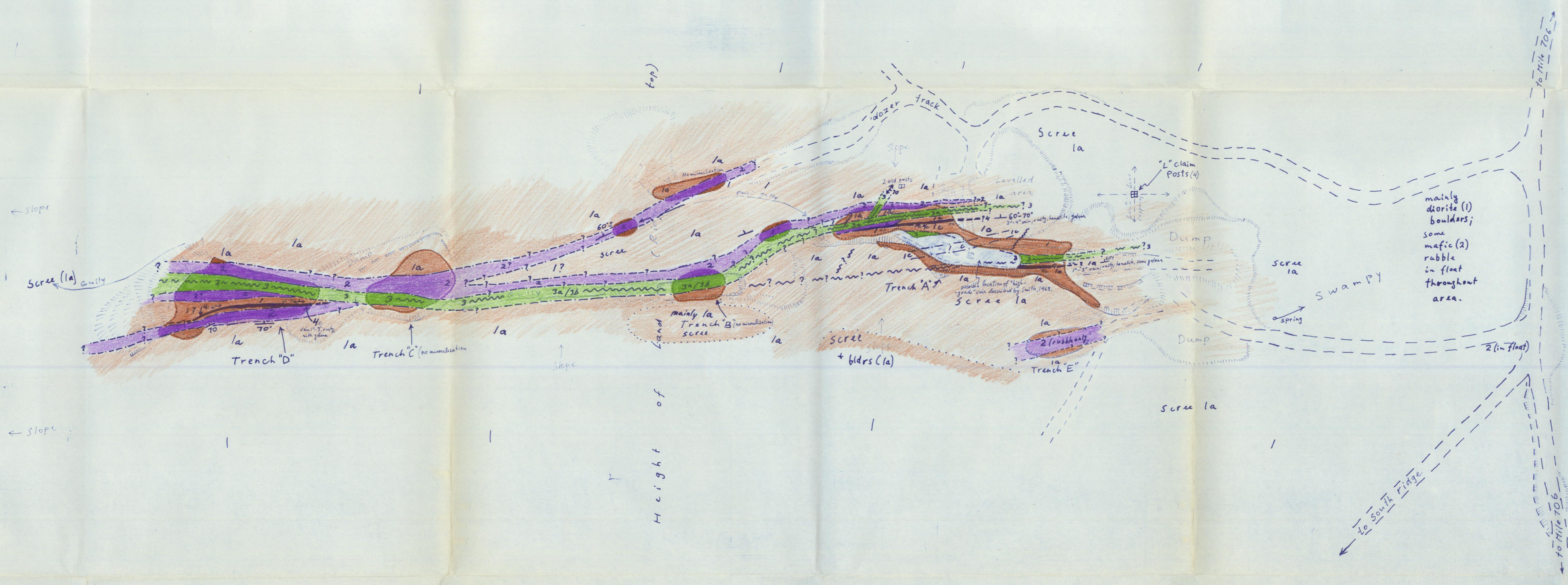
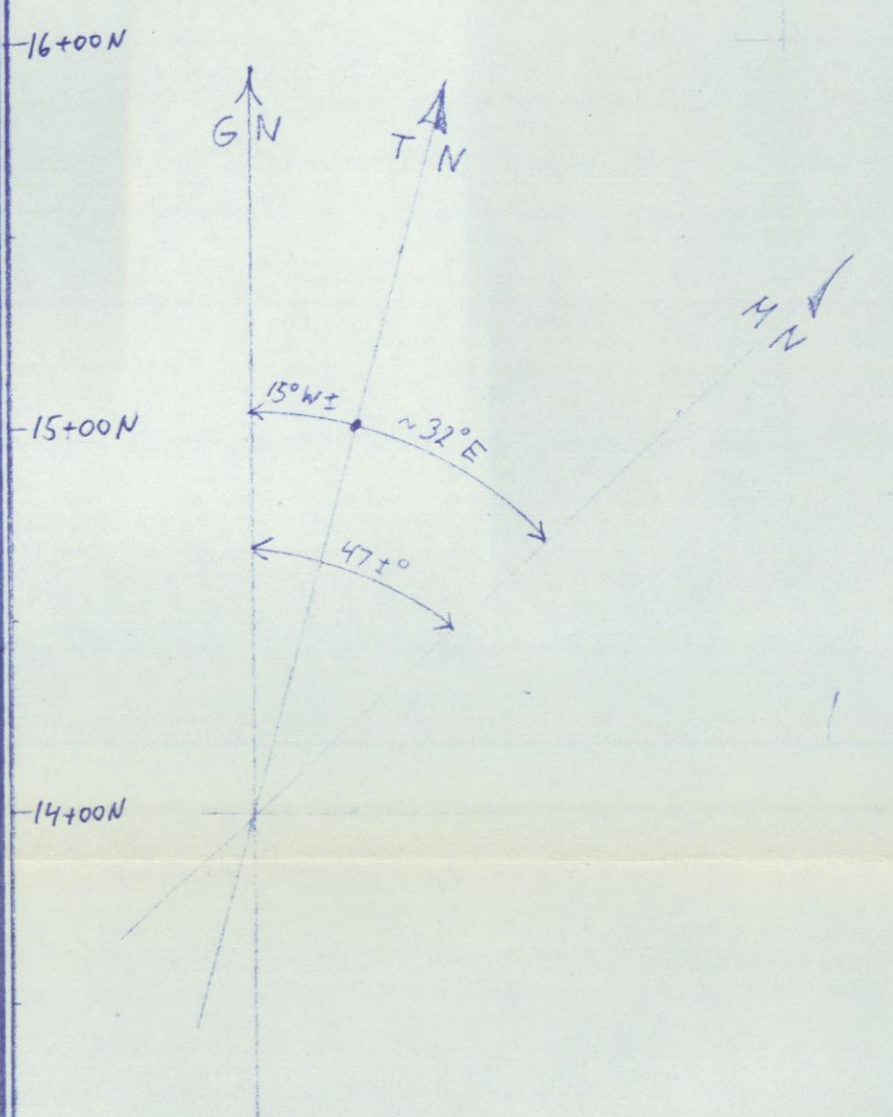
MAP "L+LOLA" - 1973 #1

LEGEND:

- road or track, with rock-cut
- bulldozed trench, with dump
- claim post
- gully or watercourse

Geological references:

- 1** DIORITE (mainly); undifferentiated; gray.
1a - diorite: fresh, unaltered
1b - ---: altered, soft, vesiculated, greenish
1c - ---: rusty, fractured; brownish
 - 2** MAFIC ROCKS, fine grained, dark green. Dike?
 - 3** FAULT ZONE; very fine fault gouge + clay; undifferentiated
3a - whitish
3b - green to blue
3c - rusty, reddish
 - 4** MINERALIZED VEIN; rusty, sometimes with galena + hematite; undifferentiated.
4a - rusty, with hematite only
4b - with galena
4c - both 4a + 4b
- outcrop/struck boundary
 contact observed
 fault
 scree-boulder area (assumed outcrop)
 contact assumed, probable
 shear
 dip strike



FOSTER IRWIN ENGINEERING & MANAGEMENT SERVICES LTD.

FOSCO MINING LTD
Edmonton, Alberta

Geology
MAP OF "L" and "LOLA" PROSPECT
Mile 706, Alaska Highway, Yukon Territory
SCALE: 1 inch = 50 ft

H. Laanala / Oct. / 1973

MAP "L" & "LOLA" - 1973 #2

LEGEND:

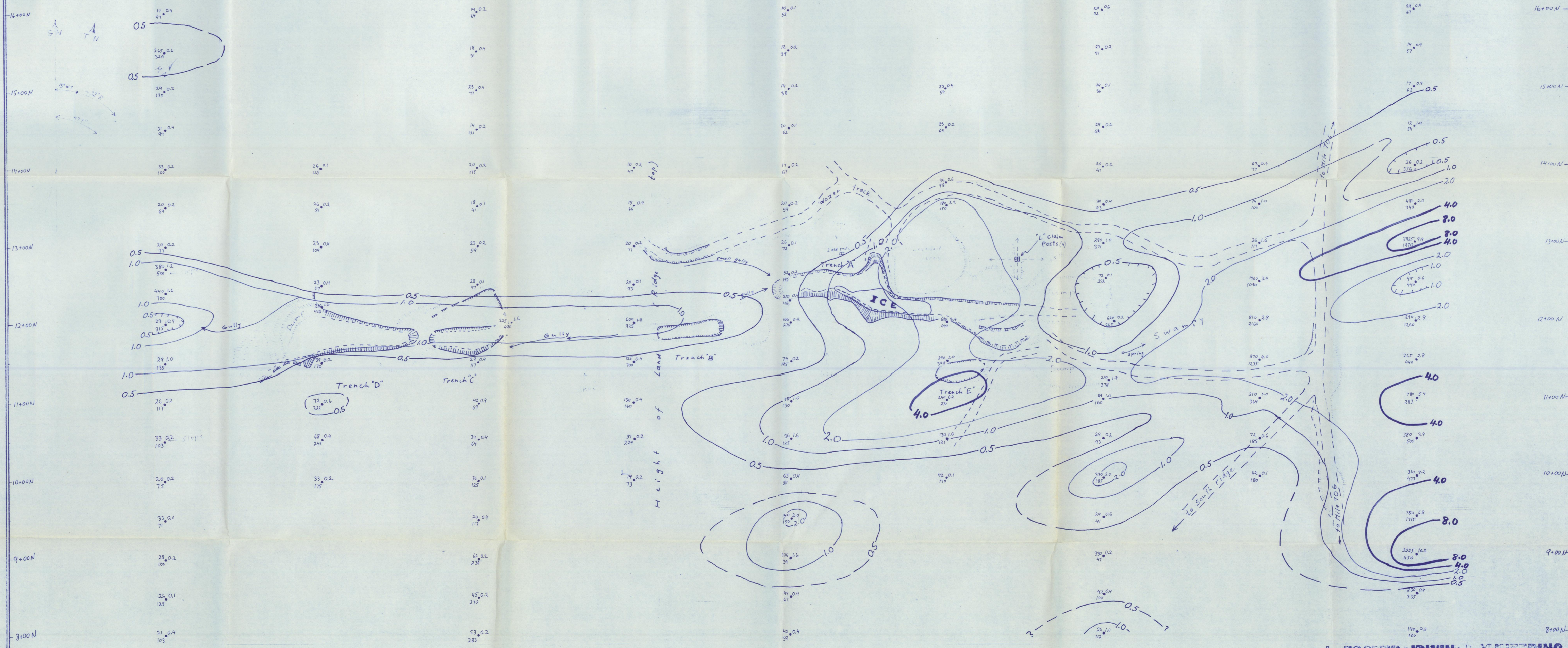
- road or track, with rock-cut
- bulldozed trench, with dump
- claim post
- gully or watercourse

Geochemical reference:

Lead
Silver
zinc
sample site
All values in "parts per million"
All samples - 80 mesh.

Geochemical anomaly references (estimated only):

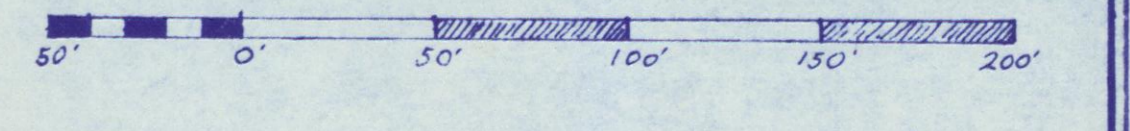
(ppm)	SILVER:	LEAD:	ZINC:
BACKGROUND:	0.2±	30±	60±
LOW :	0.5 - 1.0	50 - 100	100 - 200
MEDIUM :	1.0 - 2.0	100 - 200	200 - 400
HIGH :	2.0 - 4.0	200 - 400	400 - 800
VERY HIGH :	4.0+	400+	800+



FOSTER IRWIN ENGINEERING & MANAGEMENT SERVICES LTD.

FOSCO MINING LTD
Edmonton, Alberta

Geochemical Soil Sampling: Silver
MAP OF "L" and "LOLA" PROSPECT
Mile 706, Alaska Highway, Yukon Territory
SCALE: 1 inch = 50 ft



H. Loanela / Oct. / 1973

MAP "L+LOLA" - 1973 # 3

LEGEND:

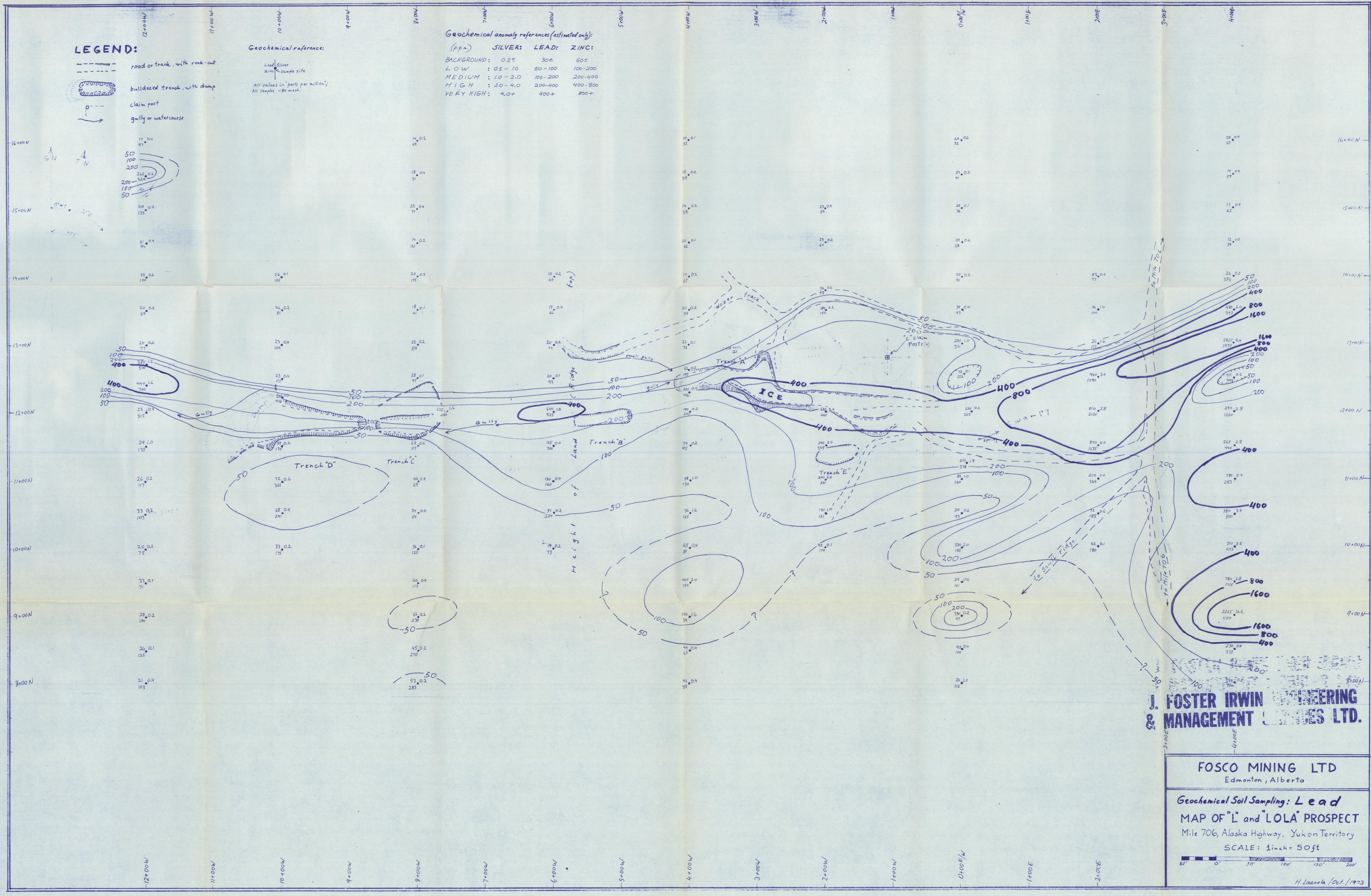
- road or track, with rock-cut
- bulldozed trench, with dump
- claim post
- gully or watercourse

Geochemical reference:

Lead Silver
2100 sample site
All values in "parts per million";
All samples - 80 mesh.

Geochemical anomaly references (estimated only):

(ppm)	SILVER:	LEAD:	ZINC:
BACKGROUND:	0.2±	30±	60±
LOW:	0.5 - 1.0	50 - 100	100 - 200
MEDIUM:	1.0 - 2.0	100 - 200	200 - 400
HIGH:	2.0 - 4.0	200 - 400	400 - 800
VERY HIGH:	4.0+	400+	800+



J. FOSTER IRWIN ENGINEERING & MANAGEMENT SERVICES LTD.

FOSCO MINING LTD
Edmonton, Alberta

Geochemical Soil Sampling: Lead
MAP OF "L" and "LOLA" PROSPECT
Mile 706, Alaska Highway, Yukon Territory
SCALE: 1 inch = 50 ft

H. Laanala / Oct. / 1973

LEGEND:

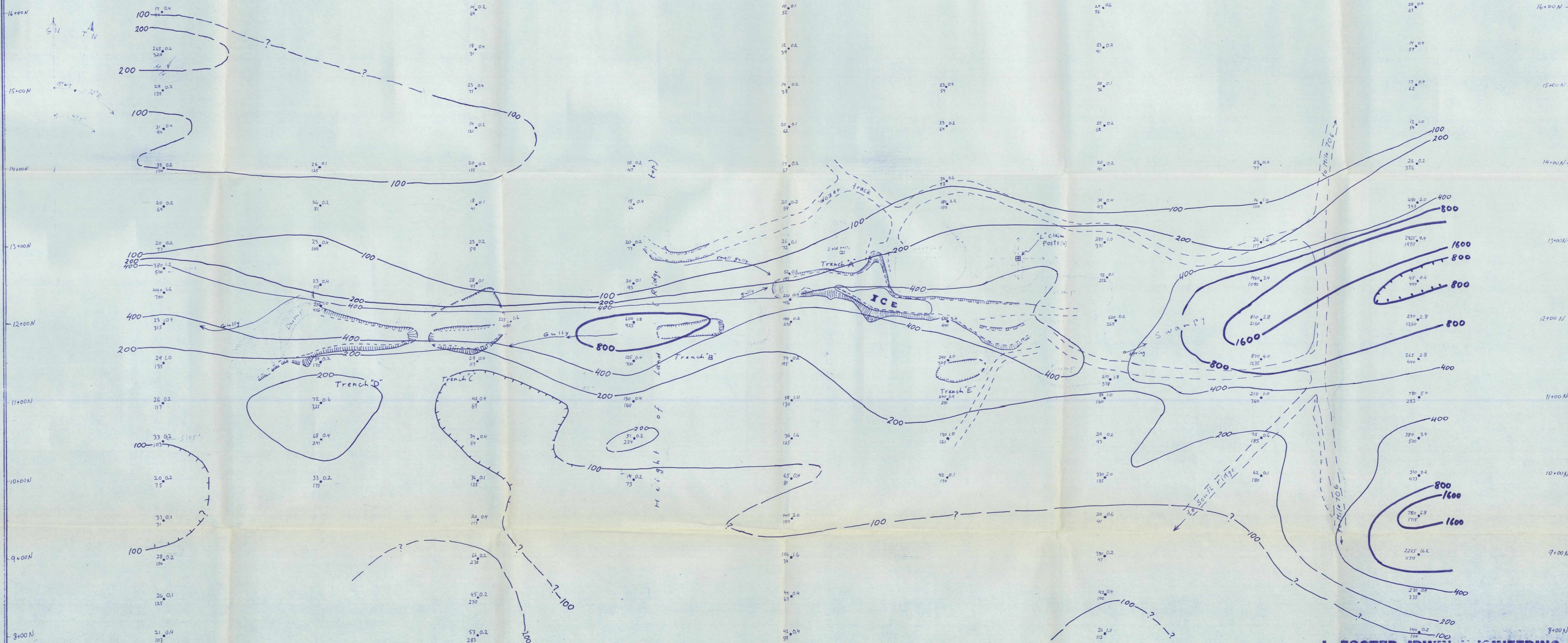
- road or track, with rock-cut
- bulldozed trench, with dump
- claim post
- gully or watercourse

Geochemical reference:

- Lead Silver
 - Zinc - sample site
- All values in "parts per million";
All samples - 80 mesh.

Geochemical anomaly references (estimated only):

(ppm)	SILVER:	LEAD:	ZINC:
BACKGROUND:	0.2±	30±	60±
LOW :	0.5 - 1.0	50 - 100	100 - 200
MEDIUM :	1.0 - 2.0	100 - 200	200 - 400
HIGH :	2.0 - 4.0	200 - 400	400 - 800
VERY HIGH:	4.0+	400+	800+



J. FOSTER IRWIN ENGINEERING & MANAGEMENT SERVICES LTD.

FOSCO MINING LTD
Edmonton, Alberta

Geochemical Soil Sampling: **Zinc**
MAP OF "L" and "LOLA" PROSPECT
Mile 706, Alaska Highway, Yukon Territory
SCALE: 1 inch = 50 ft



H. Laanala / Oct. / 1973

MAP "L" & "LOLA" - 1973 #4

MAP "L & LOLA" - 1973 # 5

LEGEND:

- road or track, with rock-cut
- bulldozed trench, with dump
- claim post
- gully or watercourse

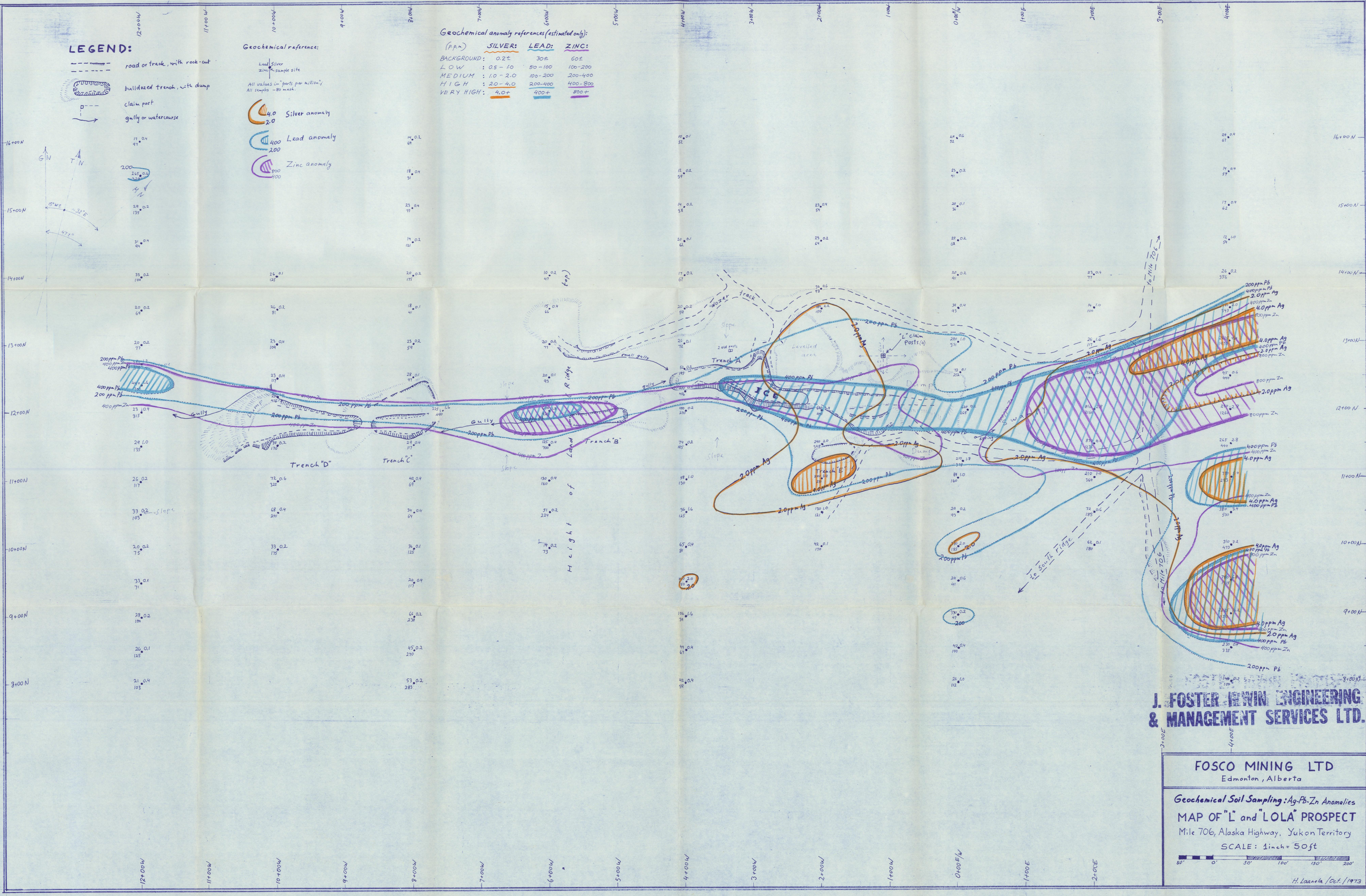
Geochemical reference:

- Silver anomaly
- Lead anomaly
- Zinc anomaly

Geochemical anomaly references (estimated only):

(P.P.M.)	SILVER:	LEAD:	ZINC:
BACKGROUND:	0.2±	30±	60±
LOW:	0.5-1.0	50-100	100-200
MEDIUM:	1.0-2.0	100-200	200-400
HIGH:	2.0-4.0	200-400	400-800
VERY HIGH:	4.0+	400+	800+

All values in "parts per million"; All samples - 80 mesh.



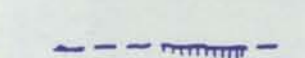
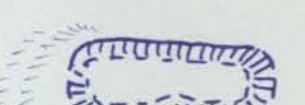
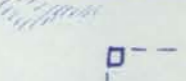
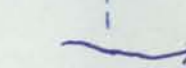
J. FOSTER IRWIN ENGINEERING & MANAGEMENT SERVICES LTD.

FOSCO MINING LTD
Edmonton, Alberta

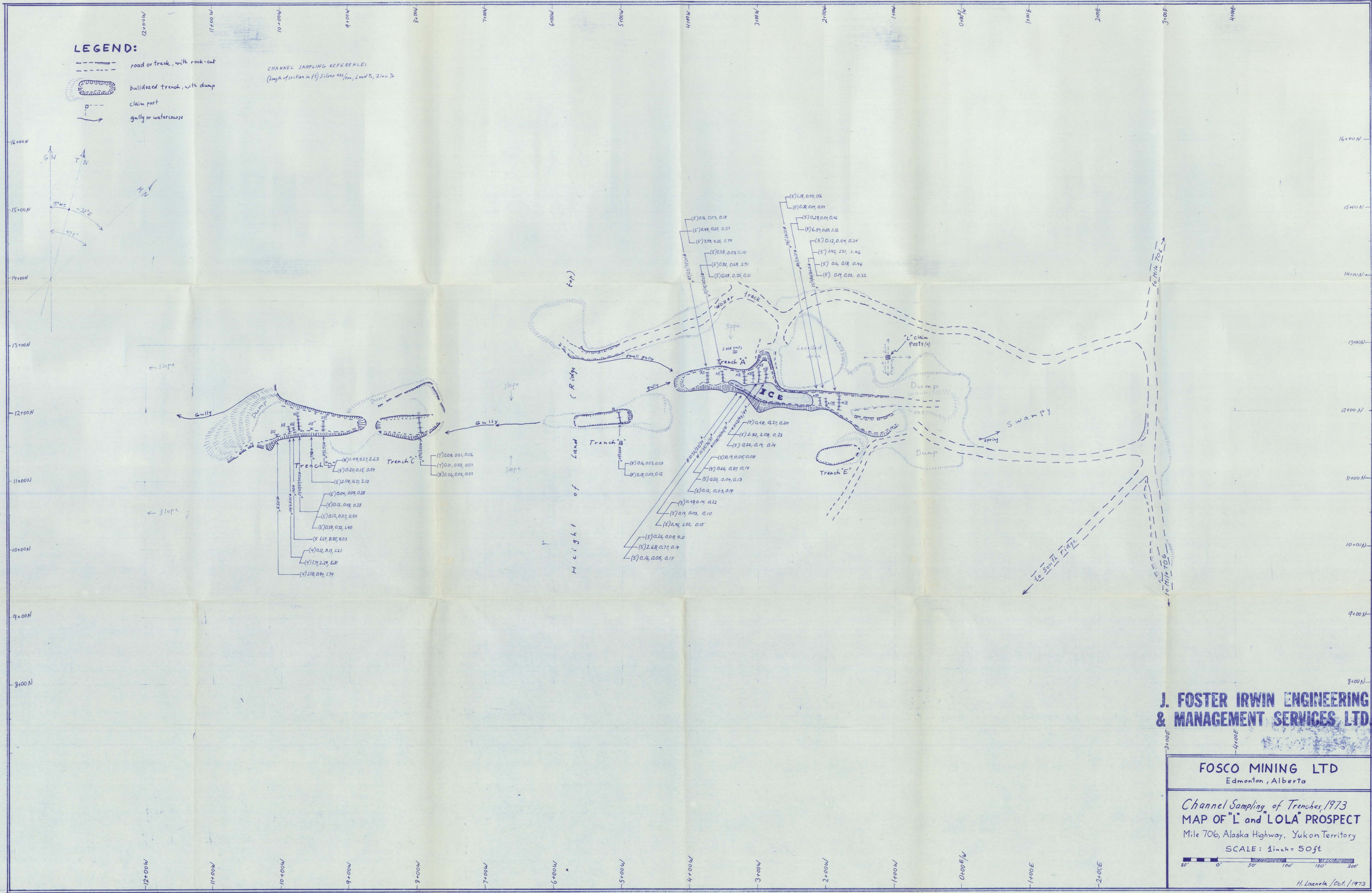
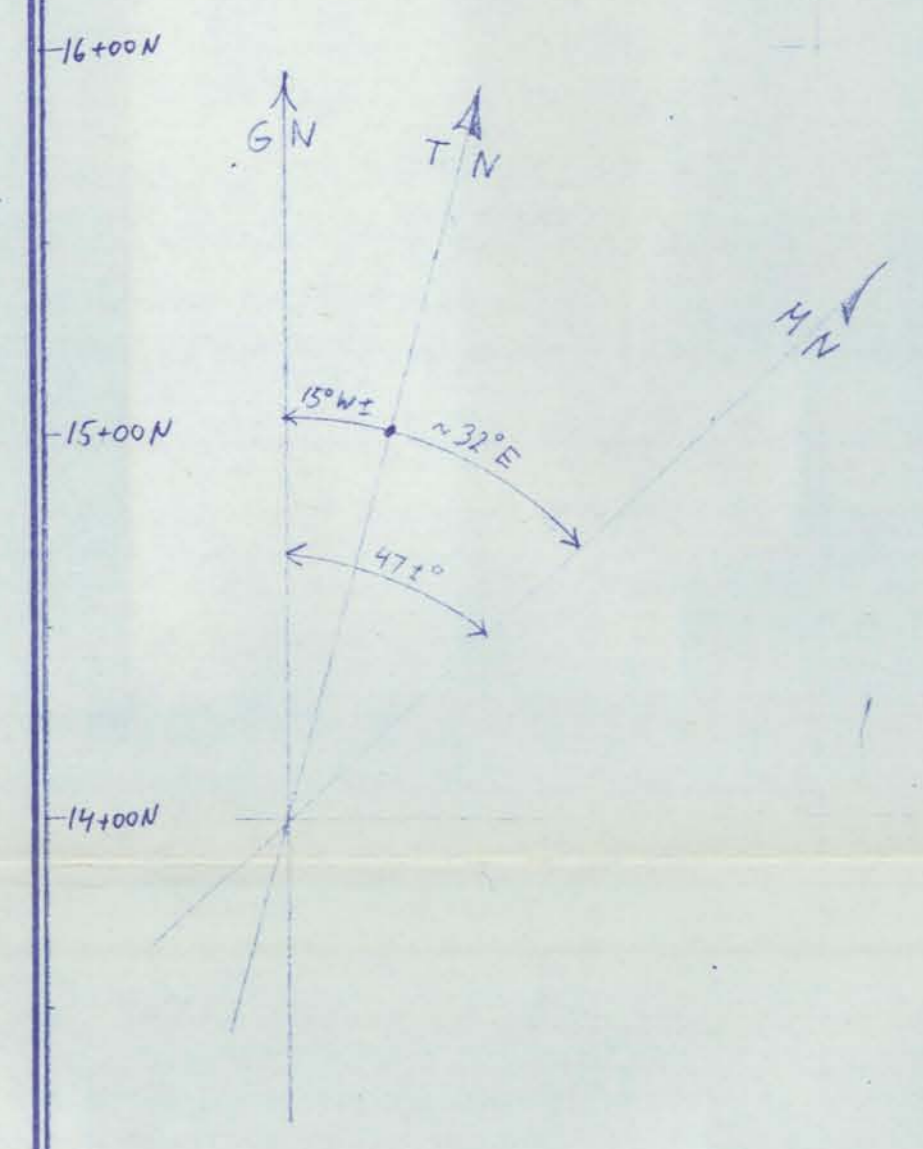
Geochemical Soil Sampling: Ag-Pb-Zn Anomalies
MAP OF "L" and "LOLA" PROSPECT
Mile 706, Alaska Highway, Yukon Territory
SCALE: 1 inch = 50 ft

H. Laanela / Oct. / 1973

LEGEND:

-  road or track, with rock-cut
-  bulldozed trench, with dump
-  claim post
-  gully or watercourse

CHANNEL SAMPLING REFERENCE:
(Length of section in ft) Silver %/ton, Lead %/ton, Zinc %/ton

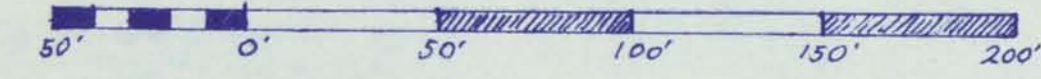


MAP "L & LOLA" - 1973 #6

J. FOSTER IRWIN ENGINEERING & MANAGEMENT SERVICES LTD.

FOSCO MINING LTD
Edmonton, Alberta

Channel Sampling of Trenches, 1973
MAP OF "L" and "LOLA" PROSPECT
Mile 706, Alaska Highway, Yukon Territory
SCALE: 1 inch = 50 ft



H. Laanala / Oct. / 1973