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"LAND OF THE MIDNIGHT SUN"

GEOLOGICAL REPORT
on The
1974 DIAMOND DRILL PROGRAM

EAGLE CLAIM GROUP
Latitude 61° 08'
Longitude 131° 10'

WATSON LAKE MINING DIVISION
YUKON TERRITORY
N.T.S. SHEET 105-G-3

for
TINTINA SILVER MINES LTD.
TORONTO, ONTARIO

by
G.G. CARLSON, P. ENG.
R.G. HILKER, P. ENG.

R.G. HILKER LIMITED
WHITEHORSE, YUKON TERRITORY

OCTOBER 17, 1974

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POCKET

List of Plans and Sections

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INTRODUCTION

In the early part of the summer, 1961, Nels Hals, a prospector for Conwest Exploration, discovered a surface showing of silver-lead-zinc mineralization within a cirque in the southern part of the St. Cyr mountain range. The Eagle claim group was staked to cover the showing and a surface exploration program commenced immediately. As a consequence of this work, the decision was made to explore the most promising showings by means of an underground adit, which was collared in January 1962. During the following summer, detailed geological mapping was conducted by Dr. W.W. Moorehouse over the claim group.

The underground exploration program failed to intersect significant mineralization in 1962, and all work on the property was ceased. Tintina Silver Mines Ltd. was reorganized by a Toronto group of mining businessmen and Conwest Exploration ceased its involvement with the company. In 1968 a geochemical survey was conducted over the Eagle claim group for the purpose of assessment work.

A total of twenty-six surface showings have been outlined over the property, many with very high grades of silver, lead and zinc mineralization. The initial 1962 exploration program tested only a very limited number of the showings, and a surface diamond drilling program was planned by the directors of Tintina Silver Mines to more fully investigate the size and continuity of the mineralized showings.

A diamond drilling program utilizing a Longyear 88S-1 wireline drill and a portable Morex EX-drill was carried out during the months of June, July and August of 1974. During this program, a total of 10,322 feet of BQ core and 1,577 feet of EX core were drilled, testing ten of the surface showings in the main cirque area. In conjunction with the drill program work, a small

amount of surface exploration, including trenching and geochemical soil and rock chip sampling, was completed. The diamond drilling was conducted on sections surveyed from three baselines, established from a transit survey. The drilling was done at an elevation of 5000 to 5500 feet in a north facing cirque.

The following report details the results of this exploration program, with an interpretation of the geology of the mineral deposits and recommendations for continued exploration work.

LOCATION AND ACCESS

The Eagle claim group is situated in the southern St. Cyr mountains, at the headwaters of the Liard River, in the southeastern Yukon Territory, N.T.S. sheet 105-G-3. The property is approximately 110 miles northwest of Watson Lake, 140 miles east of Whitehorse and 75 miles southeast of Ross River.

An airstrip presently in useable condition, was built five miles southwest of the property to service the 1962 exploration program. A winter road was also constructed, from mile 790 on the Alaska highway, approximately 110 miles in to the property.

From the present program, much of the fuel and equipment was mobilized from Ross River to the airstrip during the winter using fixed wing aircraft on skis. Personnel and the drill were transported directly to the work site from the Campbell highway near the Hoole River bridge using a Sikorsky S-55T helicopter. The camp was served during the summer from Whitehorse, material being trucked to Ross River and flown to the camp by helicopter or fixed wing aircraft and helicopter. The drill and camp were demobilized using a helicopter from the camp to the airstrip and fixed wing aircraft from the airstrip to Ross River.

Best access to the property with an all weather road would be from the Campbell Highway. At present, a tractor trail exists from the highway, approximately 35 miles southeast of the town of Ross River, to the Hoole River, a distance of about 25 miles. This trail would require upgrading, and its extension to the property would entail another 25 miles of road. (see Access sketch)

Figure 1 - Sketch No. 1

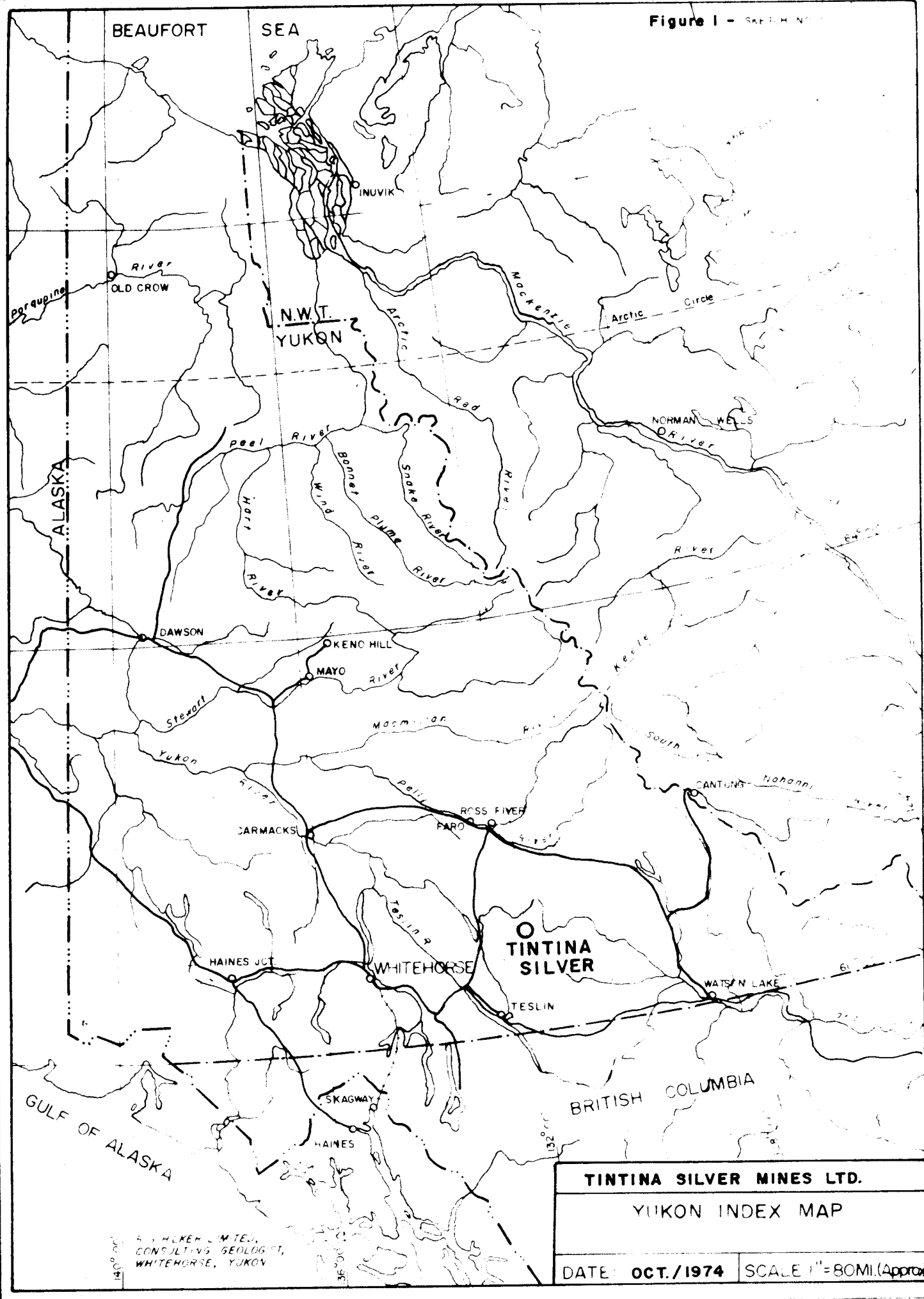
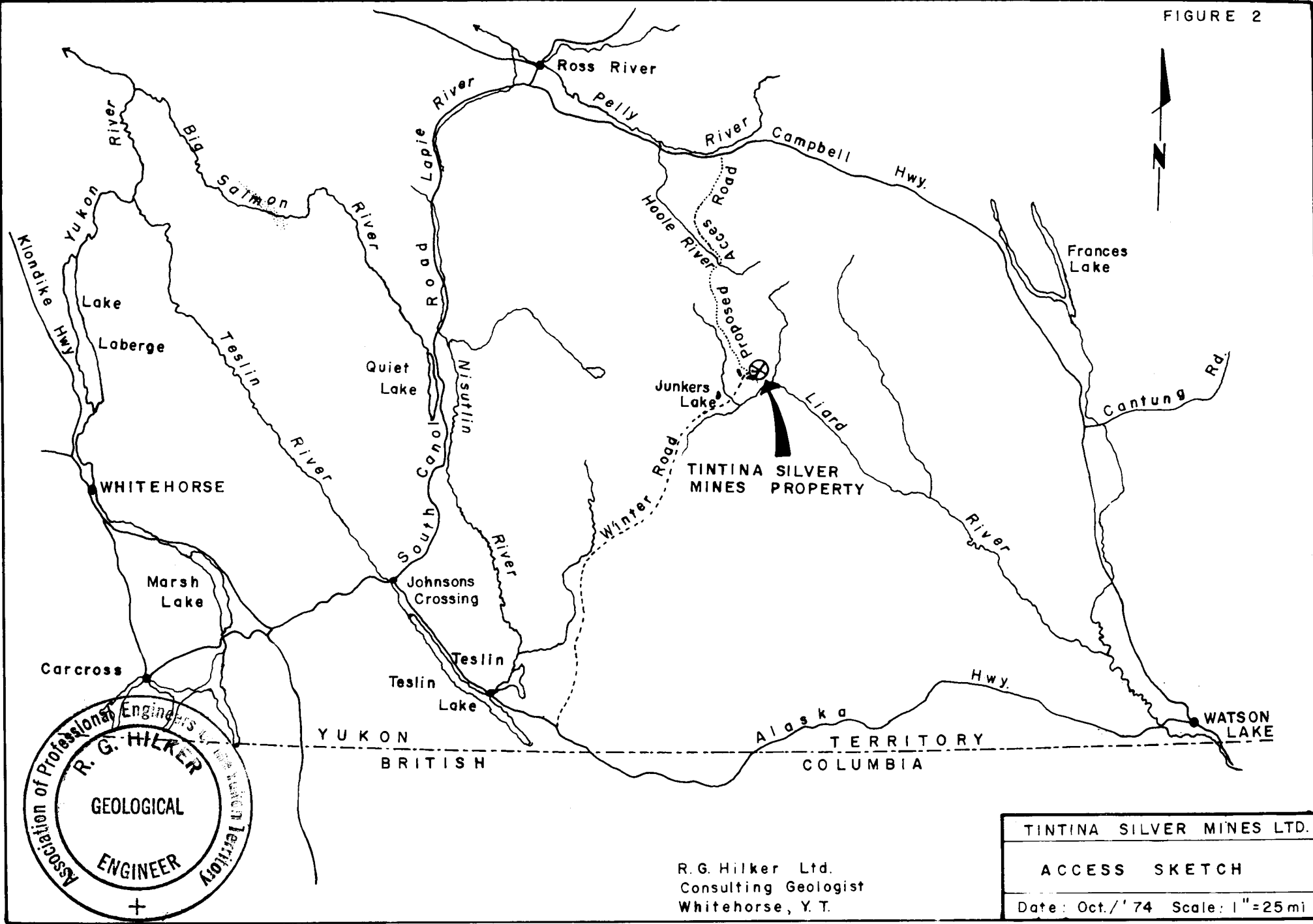


FIGURE 2



CLAIMS

The following is a list of the Eagle claims and the anniversary dates. A portion of the 1974 diamond drilling program expenditures has been applied, as assessment work to maintain the claim group in good standing for six years. There were 16 claims, Eagle 123 - 138, staked during the summer along the western boundary of the property.

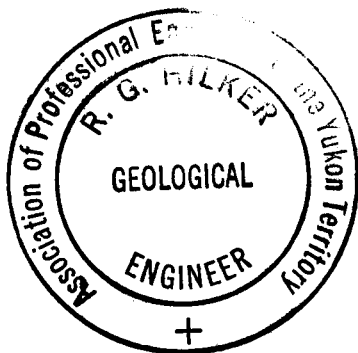
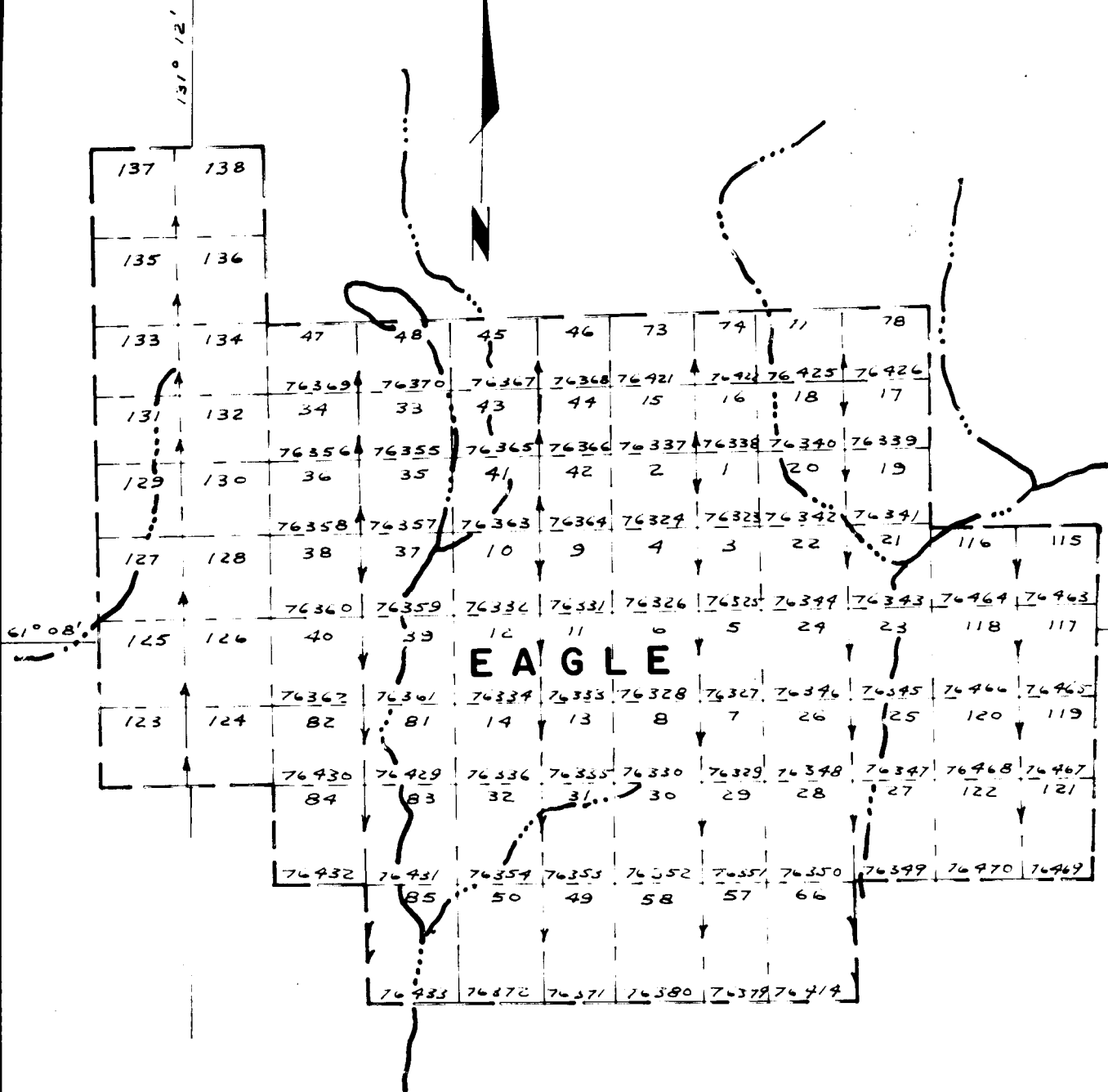
The Eagle claim group is located in the Watson Lake Mining District, Yukon Territory claim sheet 105-G-3, and centred at 131° 10' west longitude and 61° 08' north latitude.

TABLE - 1

Status & Lapse Dates - Eagle Claim Group

<u>NAME CLAIM</u>	<u>GRANT NUMBER</u>	<u>ANNIVERSARY DATE</u>
Eagle 1 - 8	76323 - 76330	July 15, 1980
9 - 16	76331 - 76338	July 15, 1980
17 - 24	76339 - 76346	July 15, 1980
25 - 32	76347 - 76354	July 15, 1980
33 - 40	76355 - 76362	July 15, 1980
41 - 48	76363 - 76370	July 15, 1980
49 - 50	76371 - 76372	July 15, 1980
57 - 58	76379 - 76380	July 15, 1980
66	76414	July 15, 1980
73 - 74	76421 - 76422	July 15, 1980
77 - 78	76425 - 76426	July 15, 1980
81 - 85	76429 - 76433	July 15, 1980
115 - 122	76463 - 76470	July 15, 1980
123 - 138	Applied for	Sept 23, 1975

FIGURE 3



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NTS SHEET No. 105-G-3

TINTINA SILVER MINES LTD.

LOCATION PLAN
EAGLE CLAIM GROUP

DATE: Oct./1974

SCALE: 1" = 1/2 mi

BIBLIOGRAPHY

The following publications and private reports were referred to in the preparation of this report.

1. Geology Finlayson Lake, Y.T. - Map 8 - 1960, Sheet 105-G Scale 1 inch equals four miles - by J.O. Wheeler, 1958, 1959; L.H. Green and J.A. Roddick, 1959 - Geological Survey of Canada.
2. Geophysics Paper 7006-G Finlayson Lake, Y.T. - Airborne Magnetics - one inch to four miles - Department of Mines and Technical Surveys.
3. Physiography of The Canadian Cordillera, With Special Reference To The Area North Of The Fifty-Fifth Parallel by H.S. Bostock - G.S.C. Memoir 247.
4. Report of Work on Eagle Claims, Yukon Territory, by P.R. Heenan, P. Eng., May 10, 1962.
5. Geological Report on Tintina Silver Mines Limited, by W.W. Moorehouse, Ph.D., April 19, 1963.
6. Report on Tintina Silver Mines Limited, Eagle Claims, in the Yukon Territory, by K.J. Christie, B.Sc., P. Eng., March, 1968.
7. 1968 Exploration Program, Eagle Property and Area, Tintina Silver Mines Ltd., A.R. Archer, October 25, 1968.
8. Report on the Eagle Claims, Tintina Silver Mines Ltd., Yukon Territory, by W.G. Hainsworth, P. Eng., November 8, 1973.

1974 EXPLORATION PROGRAM

The drill camp, crew and equipment were moved to the property from Ross River on June 17, 1974. Camp was established at about 5400 feet elevation east of the 1, 2, 3, 4 and 9 zone showings, and drilling with the BBS-1 commenced on June 20, utilizing two daily 11 hour shifts. A two-man crew, to operate the portable Morex drill, arrived at the property on June 22, and commenced drilling on June 23. This drill was demobilized from the property on August 12, and the BBS-1 and crew moved from the property on August 23. The diamond drilling program was under contract to D.W. Coates Enterprises, of Vancouver. Table 2 is a summary of the drilling completed during the summer, and the drill holes have been located on the Diamond Drill Hole Location Plan (see pocket).

Mr. G.G. Carlson, P. Eng., geologist, and at least one helper, from R.G. Hilker Limited, Whitehorse, were on the property during the entire program to supervise the drilling, locate new drill set-ups, survey drill hole collars, log core and split the drill core for assay. Detailed mapping was conducted locally, to correlate the surface geology with the drill core, and some reconnaissance traverses were completed over the property. A small amount of geochemical sampling, including rock chip sampling over the area of the main showings and soil sampling in peripheral areas, was also completed. The geologist and two helpers remained on the property until September 6 in order to complete surface work over the claims. Supervision of the field work, data presentation and report writing was by R.G. Hilker, P.Eng.

With the exception of two moves for the BBS-1 and two moves for the Morex, all drill moves were completed by hand and winching. Due to restrictions imposed by terrain and distance on the drill moves, the drilling pattern over the various mineralized zones is necessarily uneven and somewhat incomplete.

TABLE 2 - 1974 DIAMOND DRILLING SUMMARY

Drill Area	Showing	Drill	No. of Set-ups	No. of Drill Holes	Total Footage	Dates of Drilling	
						From	To
A	1,2,3 & 4 zones	BBS-1	18	48	5,290	June 20	July 22
B	8 zone	Morex	5	10	1,175	June 23	July 30
C	9 zone	BBS-1	3	6	1,102	July 25	July 29
D	5,6, & 7 zones	BBS-1	16	29	3,930	July 31	Aug. 19
E	Saddle showing	Morex	2	4	402	July 31	Aug. 11
TOTALS		BBS-1	37	83	10,322		
		Morex	7	14	1,577		
			44	97	11,899		

The drill core was logged on the property, and all core with visible mineralization was split for assay. Split samples were shipped to Whitehorse for assay at the Whitehorse Assay Office. All samples were assayed for silver, lead and zinc. A few were also analyzed for gold, copper, cadmium, antimony and bismuth. A total of six composite samples, over well mineralized sections have been analyzed for gold, silver, lead, zinc, copper, cadmium and antimony. Specific gravity determinations were also made on these six samples. Assay results have been plotted on sections (see Pocket), and are presented in the appendix of this report.

Soil and rock chip sample analysis were done in Whitehorse by Barringer Research Ltd.

Originals of all plans, section, report and assay certificates are on file in the office of R.G. Hilker Limited, #8, Northern Metallic Building, Whitehorse, Y.T. All of the diamond drill core from the Eagle claim group drilling program, was transported from the property to Whitehorse and placed in heated storage at the H.S. Bostock Core Library. The facilities at the core library will permit reviewing or relogging of the Eagle drill core at any time of year.

GEOLOGY

REGIONAL GEOLOGY

The Eagle claims are located at the southern end of the St. Cyr mountain range, within the Pelly Mountains. This range trends northwest and is bounded on the southwest by the Nisutlin Plateau and on the northeast by the Tintina valley, a strong, northwest trending fault zone which is a continuation of the Rocky Mountain Trench. The claims are within a mountainous terrain, elevations ranging from 4000 feet to Peak 7393 just north of the claim group.

Reconnaissance mapping by the Geological Survey of Canada has shown the mountains in this area to consist of folded and faulted sediments, of early Paleozoic age, which have been intruded by Jurassic and/or Cretaceous granitic rocks. The geology in the vicinity of the claim group is shown on Figure 3.

The oldest rock in the area, Unit 1, is a sequence of Lower Cambrian quartzite, phyllite and limestone. This unit, and in particular the limestone, forms the host rocks for the Tintina Silver property mineralization. These rocks are overlain, often on southwesterly dipping thrust planes, by Unit 2, a thick sequence of Middle and Upper Cambrian (?) phyllites, with some interbedded dolomite, greenstone and chert. Adjacent to granitic intrusive bodies, this rock is frequently altered to hornfels (Unit 2a).

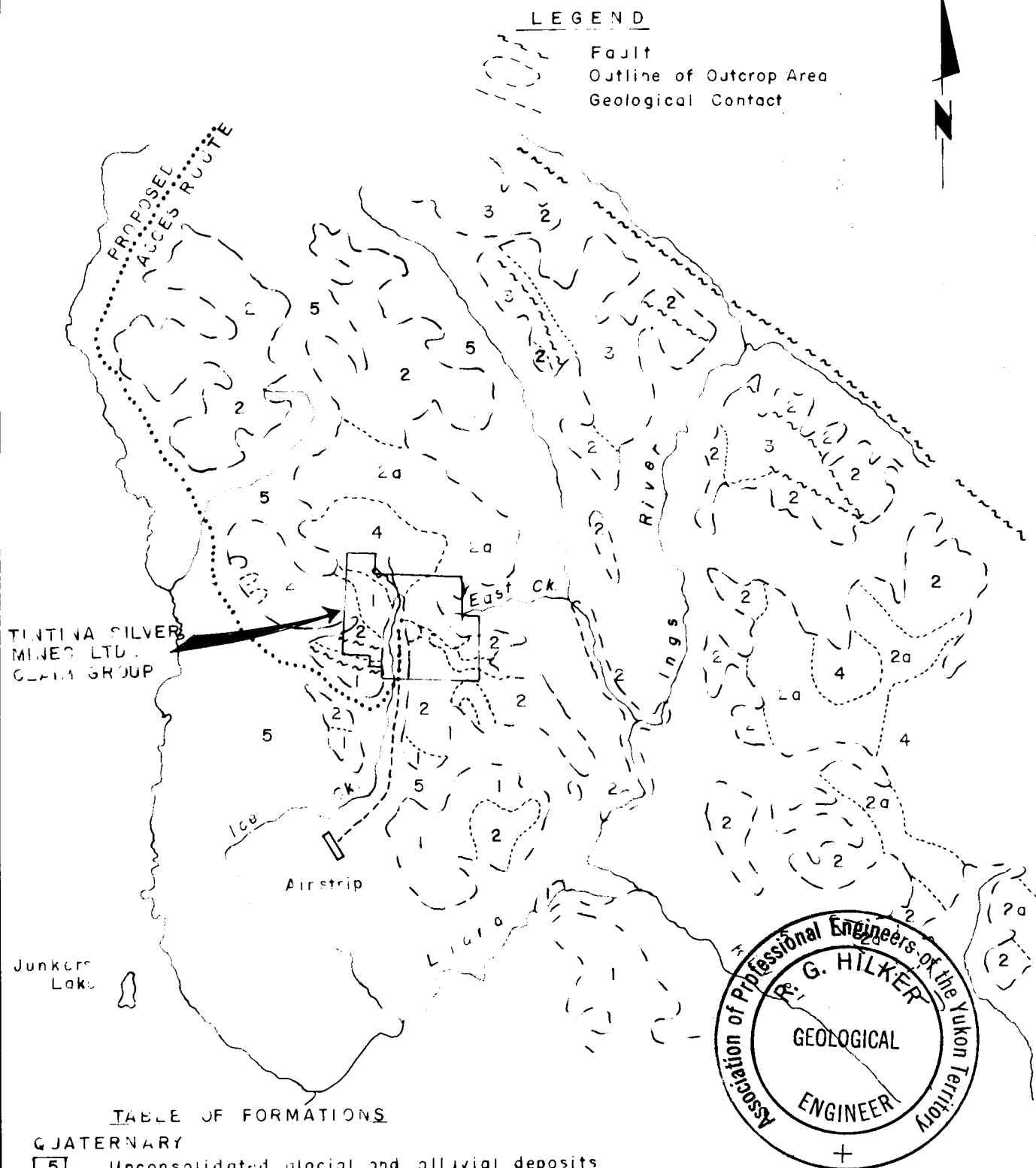
Overlying Unit 2, mainly to the northwest of the property, is a middle Paleozoic sequence of thick bedded dolomite, with minor chert and sandy and silty dolomite, and overlain locally by slate, shale, chert and minor greywacke (Unit 4). These rocks have been intruded by granitic rocks (Unit 5), mainly biotite granodiorite.

A roughly circular granodiorite plug, approximately 1½ miles in diameter, forms the northern boundary of the property and cuts

rocks of both units 1 and 2.

Pleistocene glaciation has covered the entire area, moving towards the northwest, and subsequent alpine glaciation has sculpted the mountains, determining the present topography. Unit 12, unconsolidated glacial and alluvial deposits, fill the valleys and cover most slopes to between 4000 and 5000 feet elevation.

Structure in the area is dominated by the northwest striking Tintina Fault. The most important feature in the area of the Eagle claims is an anticlinal structure which trends parallel to the Tintina Fault. Small scale folding associated with this structure is abundant, as is small scale cross faulting. Age relations between the various sedimentary units are often uncertain due to the thrust faulting from the southwest, as many of the major contacts are thrust fault planes.

TABLE OF FORMATIONSQUATERNARY

[5] Unconsolidated glacial and alluvial deposits

MESOZOIC

Jurassic and/or Cretaceous

[4] Biotite Granodiorite, Quartz Monzonite

PALEOZOIC

Silurian and Devonian

[3] Dolomite, Chert, Quartzite, Slate, Shale

Middle and Upper Cambrian

[2] Phillite, Dolomite, Greenstone, Chert
2a - altered to Hornfels

Lower Cambrian

[1] Quartzite, Phillite, Limestone

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NTS SHEET 105 - G - 3

TINTINA SILVER MINES LTD.

REGIONAL GEOLOGY
SKETCH

DATE: Oct./'74

SCALE: 1" = 5 mi

TABLE 3
REGIONAL GEOLOGY
TABLE OF FORMATIONS

CENOZOIC

Quaternary

- [5] Unconsolidated glacial and alluvial deposits

MESOZOIC

Jurassic and/or Cretaceous

- [4] Biotite granodiorite; quartz monzonite

PALEOZOIC

Silurian and Devonian

- [3] Dolomite; chert, quartzite, slate, shale

Middle and Upper Cambrian

- [2] Phyllite; dolomite, greenstone, chert

Lower Cambrian

- [1] Quartzite, phyllite, limestone

After J.O. Wheeler - Map 8 - 1960

EAGLE CLAIMS GEOLOGY

The geology within the Eagle claim group has been described in detail by Moorehouse, and reference should be made to his accounts of the property for an in depth discussion of the structure and stratigraphy. The following section describes the local stratigraphy and structure, with reference to mineral deposits, as encountered and interpreted from the results of the 1974 drilling program.

The host rocks for the mineralization are the Lower Cambrian Unit 1 on the Regional Geology Sketch (Figure 4), and here named the Tintina Series. The uppermost member of this series is a thick unit of argillaceous limestone, which probably belongs to Unit 2 on the Regional Geology sketch.

The Tintina Series consists of a basal argillite member, the Lower Argillite (Unit 1), overlain successively by the Lower Limestone (Unit 2), Middle Argillite (Unit 3), Upper Limestone (Unit 4), Black Argillite (Unit 5) and Argillaceous Limestone (Unit 6). The following is a description of each of the above rock units. The complete Table of Formations is listed on Table 4.

Lower Argillite - Unit 1.

This unit was intersected only locally in drilling on the D-grid, and appears as a rather massive brown to purplish brown argillite with minor disseminated pyrrhotite. According to Moorehouse, this unit is at least 300 feet in thickness, but since its base has not been observed, total thickness is not known.

Lower Limestone - Unit 2.

This limestone unit is generally mottled or streaky and is locally argillaceous. Contact with Unit 1 is rather gradational, resulting in interlayered lime and argillite rich sections. Extreme deformation has given rise to log-shaped boudins of lime-

TABLE 4

EAGLE CLAIMS

TABLE OF FORMATIONS

MESOZOIC

Jurassic and/or Cretaceous

- [G] Granodiorite, quartz monzonite
- [L] Biotite lamprophyre

PALEOZOIC

Cambrian

TINTINA SERIES

- [6] Argillaceous Limestone - lime phyllite, silty limestone, thin to thick bedded, thick unit.
- [5] Black Argillite - 10% pyrite and pyrrhotite, black color, carbonaceous, weathers rusty color.
- [4] Upper Limestone - mottled due to stringers and patches of white calcite, minor argillite; host rock for silver, galena and sphalerite sulfides; irregularly drag folded.
- [3] Middle Argillite - grey to brown color, light colored siliceous bands with tuff appearance, pyrrhotite and pyrite.
- [2] Lower Limestone - locally argillaceous, strongly sheared, breccia appearance; fossils (?) - white rings and cylindrical shapes, reef structure (?).
- [1] Lower Argillite - limy bands, brownish-purple color, minor pyrrhotite.
- [5] Sulfide Zone - silver, lead and zinc sulfide, mainly galena, sphalerite and tetrahedrite, from trace amounts to massive mineralization.

By G.G. Carlson, geologist, R.G. Hilker Limited

stone in argillaceous limestone, frequently with a breccia appearance. Locally within the limestone are zones rich in white rings and cylindrical bodies described by Moorehouse as fossils which suggest that this is a reef structure of Lower Cambrian age. Thickness of this unit is variable, from 25 to 50 feet on the East Slope to over 100 feet in the D-grid and adit area and approximately 250 feet in the north of the claim group. Variations are quite probably due to sedimentary thinning, but the effects of folding and shearing are also likely causes at least in part.

Middle Argillite - Unit 3

This argillite member, separating the two main limestone units, has been well documented in outcrop and in the drill holes, in particular in the A-grid drilling its thickness is again quite variable, ranging from less than 50 feet to over 150 feet.

It is a strongly foliated grey to brown coloured rock, rich in pyrrhotite, pyrite and locally arsenopyrite, and frequently with abundant secondary quartz in stringers and patches. Lighter coloured massive, siliceous bands, up to three feet thick, have a tuffaceous appearance. Contacts between these quartzitic sections and the argillite and also between the argillite and overlying limestone, Unit 4, are very characteristic in that they usually consist of approximately six inches of very fine grained siliceous rock, of cherty appearance but lightly foliated, and an associated band of massive pyrrhotite, usually less than one inch thick, but locally two to three inches in thickness.

Upper Limestone - Unit 4

This limestone exhibits a mottled texture similar to that of Unit 2, but it is much more homogeneous, with only minor argillite content. It is not so thick as Unit 2, and the variable thickness is indicated in the drill sections from Grid A. This local thick-

ness variability is due to folding and probably associated faulting. Sedimentary thinning, both to the north and the south, is also apparent, and thicknesses encountered vary from less than 10 feet to over 50 feet.

The mottled texture is due to secondary stringers and patches of white calcite and, to a lesser extent, quartz. At least two and possibly more ages of calcite stringers are observed. Unit 4 is the most important host for silver-lead-zinc sulfide mineralization noted to date on the property. Where this unit is barren of silver-lead-zinc mineralization, iron sulfides are also absent.

Black Argillite - Unit 5

Overlying the Upper Limestone is a black, carbonaceous, sulfide-rich argillite which is visibly the most conspicuous rock unit in the area due to its colour, rusty and readily weathered appearance. Shearing has disrupted most primary features in the rock, and cleavage is strongly developed. Pyrite and pyrrhotite are present, forming up to 10 percent of the rock, and a distinct H₂S odour is detectable when drilling through this unit. Secondary quartz stringers and patches are usually present and are typically oriented obliquely to the main foliation or cleavage.

Moorehouse has observed that the Black Argillite has been a very active structural zone. It appears to have provided the locus of most of the major thrust faulting, and its lower contact with Unit 4 is frequently marked by quartz veins. Its spatial distribution is quite irregular, due to this structural deformation. Thrusting of younger sediments from the southwest appears to have scraped much of this argillite off the southeast limb of the Moorehouse anticline; thicknesses are greater on the northeast limb. (See Geology and Surface Showing Plan with Sections - Pocket).

Argillaceous Limestone - Unit 6

This is an extremely thick unit of bedded and strongly sheared and folded argillaceous limestone and is the youngest rock unit observed in the central area of the claim group. It is thin to thick bedded, with a strong cleavage which cuts the bedding, and it varies in composition from very limy argillite, and locally limestone beds, to thin bedded, platy siltstone. To the south it is overlain by the Peak Limestone, consisting of massive limestone and dolomite with argillite.

Structure within the claim group is dominated by a northwest trending anticline, here named the Moorehouse Anticline. The crest area of this fold is complicated by the thrust block of argillaceous limestone (Unit 6) from the southwest. The major folding is also complicated by an undulating fold pattern on its crest, drag folding along its flanks, and abundant smaller scale thrust and cross faulting. An interpretation of this structure, relative to the mineral deposits, has been made in Geology 'Sections A-A' and 'B-B' on the Geology and Surface Showings Plan with Sections (see Pocket).

It is felt that the major structure may pre-date emplacement of the granodiorite intrusive, as certain of the intrusive-sediment contacts observed on steep slopes are very sharp, with negligible warping of sediments in the contact zone.

ECONOMIC GEOLOGY

Mineral Deposits

Although previous studies have shown the relatively varied character of the mineral deposits encountered within the Eagle claim group, the present work has revealed a continuity between the deposits which strongly suggests a common origin and mode of emplacement of mineralization throughout the area. Variations now apparent between the various types of deposit may be attributed to their subsequent structural and metamorphic history. The Upper Limestone (Unit 4), which shows the least indication of internal deformation, is host to sulfide deposits with the greatest extent and continuity yet observed on the property.

The genesis of the deposits is uncertain at this time. The most favourable hypothesis is that the deposits are replacement-type in favourable limestone horizons by solutions associated with the emplacement of the granodiorite plug to the northwest. Further, if emplacement of the sulfides occurred after folding, channelways for the mineralizing solutions can be envisioned within permeable limestone horizons, with entrapment and precipitation of sulfides in the nose of small folds; the black argillite forming an impermeable boundary. This reasoning is supported by the stratiform nature of the mineralization in the major deposits within limestone, sulfide textures which frequently suggest replacement, and the localization of sulfides in small drag folds on the limb of the Moorehouse Anticline, as observed particularly in the A-grid area and the number 10 mineralized zone.

A second possibility which should be considered, however, is that the deposit is syngenetic and that the sulfides may be associated with volcanic activity within the basin at the time of formation of sediments. Such an origin would be disguised by subsequent metamorphism, recrystallizing and possibly remobilizing both sulfides

and host rocks, and associated or later structural activity. The character of the sulfides, in particular sphalerite, within the limestone, is very similar to the secondary calcite, suggesting a metamorphic origin for the sulfide texture. Copper-lead-zinc ratios within the deposits are typical of those encountered in volcanogenic massive sulfide deposits throughout the world, and certain of the rocks in close spatial association with the mineralization in particular within the Middle Argillite, Unit 3, may be of volcanic origin. If the mineralization indeed pre-dates the intrusion of the granitic rocks, then a hypothesis such as this is favoured.

Regardless of origin, it is likely that most, if not all sulfides were originally deposited within one of the two main limestone units, (units 2 and 4) and subsequent alteration has produced three major deposit types.

The first type of deposit, and at present the most important, is the massive to disseminated sphalerite - galena - frieborgite mineralization within the Upper Limestone (Unit 4), as encountered in the A-grid area and also the number 10 zone on the West Slope. This mineralization has undergone relatively little alteration except possibly recrystallization and very local scale remobilization. An important association with this type of deposit is the overlying black argillite, which often forms the direct hangingwall of the mineralization. As previously mentioned, this rock unit might provide an impermeable boundary to mineralizing solutions causing precipitation of sulfides. It may also contribute chemically to the deposits, perhaps in the form of sulfur or iron. Sphalerite in these deposits, according to its colour, is more iron-rich than sphalerite in deposits within the Lower Limestone (Unit 2). The most important feature of these deposits is that they are associated with small scale drag folding near the crest of the Moorehouse Anticline. They have to date been observed only on the northeast

limb of the fold, possibly due to the lack of exposure on the southwest limb.

A second type of deposit is that occurring in the Lower Limestone (Unit 2) and consisting of small pods of massive galena with fribergite and more widespread massive to disseminated sphalerite with lesser amounts of galena. This mineralization is rather similar to that encountered in the Upper Limestone (Unit 4) but, as encountered in the D-grid drilling (No. 5, 6 and 7 zones) and on surface in the 11, 12, 13 and 15 zones, it is less continuous and apparently less extensive. The reason for this difference may be that although the deposits were originally identical in form, the greater thickness and inhomogeneity of the Lower Limestone unit has resulted in a higher degree of shearing and deformation both of the rock unit itself and of sulfide bodies contained therein.

The third type of deposit, typified by the B-grid (No. 8 zone), C-grid (No. 9 zone) and the West Mountain zone, is associated with the base of the Argillaceous Limestone (Unit 6) thrust sheets. They are again similar to the Upper Limestone deposits but they are very discontinuous. It is possible that they also were similar in form to the Upper Limestone deposits but they became incorporated into the thrust sheet, from the Upper Limestone, during deformation.

The three deposit examples mentioned occur adjacent to the truncation of the Upper Limestone unit by thrust faulting. The number 9 zone is above the number 4 zone within the Upper Limestone in the A-grid area. It is possible that the number 8 zone is indicative of mineralization within the underlying Upper Limestone unit on the southwest limb of the anticline. Massive galena occurs in pods or discontinuous lenses with sharp, shear contacts. Sphalerite is also present in these deposits and is usually associated with secondary calcite and quartz veining.

Typical settings for the three major deposit types have been indicated on the projected Geology Sections (See Geology and Surface Showing Plan with Sections - Pocket).

A fourth, and so far insignificant type of mineralization is that encountered mainly in the Argillaceous Limestone (Unit 6) and consisting of minor copper mineralization in quartz veins, such as that encountered near the Sidehill and Ridge zones. The East Boundary showing is similar but contains silver, lead, zinc and gold values with the copper. This type of mineralization is believed to be similar to the thrust plane mineralization, and potentially indicative of more significant mineralization in the underlying limestone.

The following is a description of each of the deposits probed by drilling and two of the surface showings which were examined and sampled.

A-GRID - Diamond Drilling

This grid area covers the original number 1, 2, 3 and 4 showings which have now been shown to represent a single deposit, exposed in scattered zones by erosion. In cross section, the deposit forms an irregular "Z" shape. Mineralization occurs within the unit 4 Upper Limestone within a drag fold on the north-eastern limb of the Moorehouse Anticline. It is continuous within this unit over most of the area tested, although thickness and grade are somewhat variable. Drilling was conducted along 50 foot spaced sections from 8+00E to 11+00E. Continuation of the drilling to both the east and west was restricted due to the topography. The drill hole plan, at 1 inch = 20 feet, has been shown with topography and surface showings, (A-Grid Diamond Drill Hole Plan - see Pocket). The results of the drilling have been shown together on the A-Grid Diamond Drill Hole Sections, at 1 inch = 20 feet, and on a double set of individual sections at 1 inch = 10 feet (see Pocket). Of the latter, one set shows geology contacts and assay values while the second set shows assay values with calculated averages and an interpretation of geological and mineral zone contacts.

The deposit has been shown to extend 300 feet along strike, and is open at both ends. The structure is interpreted as a drag fold, but there are many irregularities which are probably at least partly due to associated faulting. This faulting, on a relatively small scale, occurs both as shear displacements sub-parallel to the axial planes of major folding and as normal cross fault displacements, trending northeasterly. On somewhat larger scale, the "Mineral Fault" cuts the west end of the grid area, near 18+00E, and possibly offsets the mineralized zone. This fault was intersected in the drilling, but its dip, to the northwest, is uncertain. If the dip is shallow, the mineralization may not be offset. Direction of movement along this fault plane is also uncertain, but it is suggested that the northwest side

has moved down and to the southwest. This displacement may be on a scale of the larger cross faults observed on surface, from several tens to a few hundreds of feet.

A final structural feature is a gentle folding or doming of the mineralized zone, with a northeast trending axis roughly in the centre of the grid area. This folding, which may be associated with movement along the mineral fault, results in a slight plunge of the mineralization to the northwest, towards the fault, and, to a lesser extent, towards the southeast on the southeastern side.

An interpretation of the A-grid deposit structure, with potential extensions of the deposit to the northwest and to the southeast is shown in cross section (see Geology and Surface Showing Plan with Sections - Pocket).

The importance of the Mineral Fault is still uncertain, no evidence of mineralization was detected in the fault zone where it was intersected near surface. However, a suggestion of zoning was observed. Near the fault, particularly in sections 8+00E and 8+50E, a higher degree of silicification of the limestone was observed than that encountered farther to the east. It is possible that some of the major metals also vary away from the fault, with iron, in particular, decreasing.

A very definite zonation of metals is observed within the deposit. This zonation is from a silver-lead-rich hangingwall to a zinc-rich footwall. This zonation may be stratigraphic; it may be completely secondary; or it may be a combination of stratigraphic zonation refined by subsequent metamorphism.

The deposit appears to be of definite economic potential, and should be considered for further exploration in order to increase its known dimensions. Considerable assaying for silver, lead and zinc was done on the split diamond drill core and the

results are tabulated on the Assay Calculation Sheets (Pocket Report) and indicated on the geology sections for A-Grid drilling.

To check on calculated assay averages in mineralized sections of the drill core from A-Grid Diamond Drilling and to determine the content of certain associated metals, six composite samples were prepared from the pulps of the original samples over selected mineralized intersections. To further check the validity of using the pulps for the composite samples, one of the composites was also prepared from the uncut sample rejects. Each composite was assayed for gold, silver, lead, zinc, copper, cadmium and antimony. Specific gravity also was determined on each sample for the purpose of calculating tons per cubic yard of ore. Results of these determinations, compared with calculated averages, are shown in Table 5.

The calculated averages are generally within five percent of the composite assays, and they are about equally distributed above and below the composite values.

The silver to lead ratio of the seven composite assay samples are calculated and shown on Table-5.

TABLE 5

COMPOSITE ASSAY VALUES, CALCULATED AVERAGES
AND SPECIFIC GRAVITY DETERMINATIONS - A-GRID

Sample No.	Drill Hole	Footage	Width	Sample Type	Assay Values (1)							Ag/Pb Ratio	Specific Gravity	
					Ag (oz/T)	Ag (oz/T)	Pb(%)	Zn(%)	Cu(%)	Cd(%)	Sb(%)		gm/cc	T/yd ³
C-1	74-A25	45.7 - 60.2	14.5	Composite from pulps	0.005	6.0 (6.25)	1.18 (1.22)	12.9 (12.85)	0.07	0.06	0.14	5.08 (5.12)	3.03	2.56
C-2	74-A27	71.5 - 97.3	25.8	Composite from pulps	0.01	0.10 (0.17)	0.03 (0.02)	14.2 (13.64)	0.01	0.07	0.01	3.33 (8.5)	3.15	2.65
C-3	74-A41	13.6 - 25.3	11.7	Composite from pulps	0.005	128.6 (127.28)	11.4 (11.44)	18.7 (19.6)	1.05	0.09	1.38	11.3 (11.12)	3.49	2.94
C-4	74-A42	19.5 - 44.0	24.5	Composite from pulps	0.01	25.1 (24.59)	6.75 (7.31)	12.8 (12.33)	0.15	0.07	0.30	3.72 (3.36)	3.26	2.75
C-5	74-A43	40.5 - 65.5	25.0	Composite from pulps	0.005	21.6 (22.53)	9.6 (9.70)	16.4 (15.82)	0.11	0.08	0.32	2.25 (2.32)	3.33	2.81
C-6	74-A45	59.2 - 95.5	36.3	Composite from pulps	0.02	11.9 (11.74)	10.2 (10.14)	10.8 (10.43)	0.17	0.06	1.08	1.16 (1.16)	3.33	2.81
				Composite from rejects	0.02	11.2	9.4	10.3	0.15	0.06	1.00	1.19	3.31	2.79

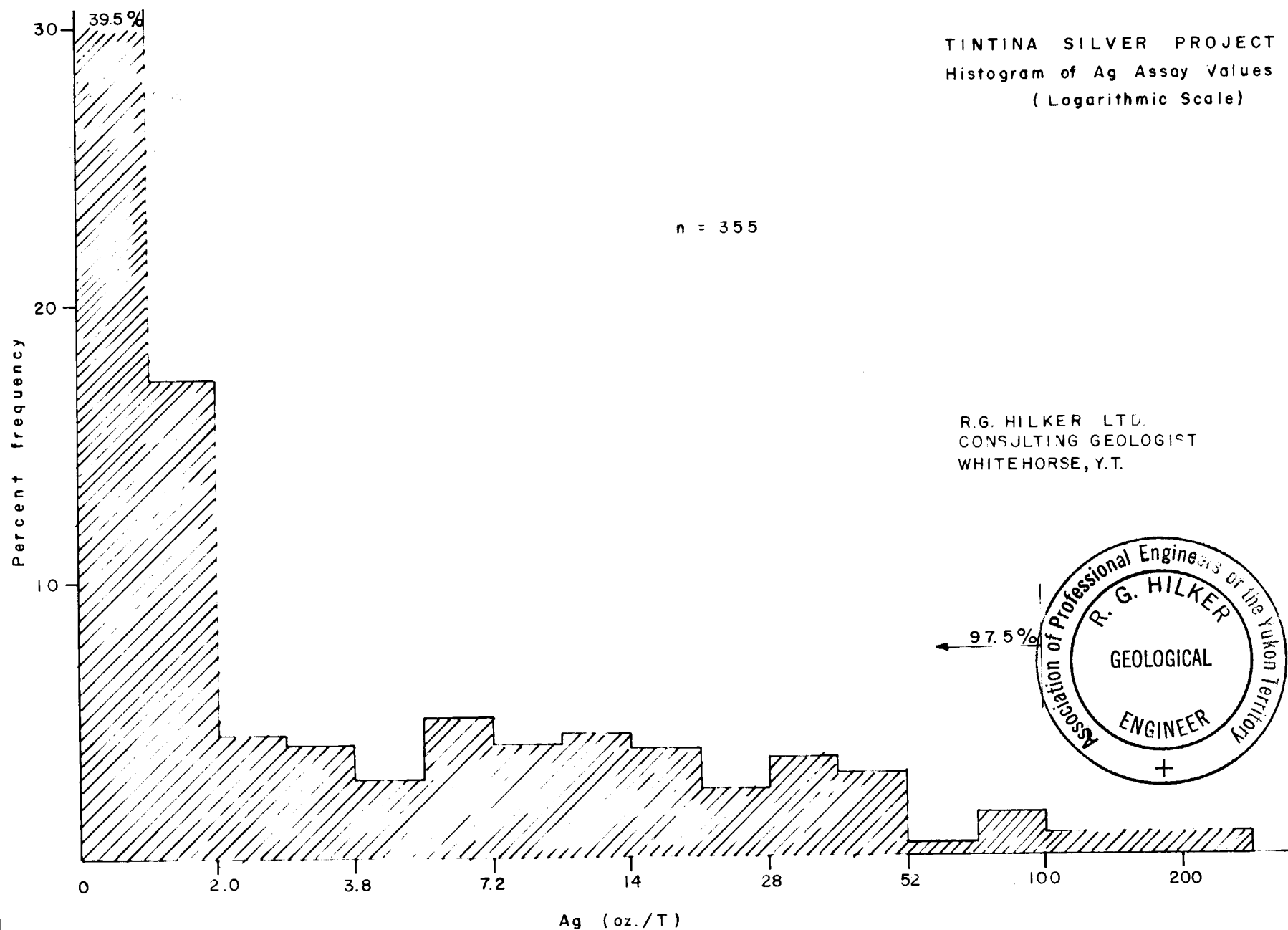
(1) Note: Calculated averages over equivalent sections are contained in parentheses.

FIGURE 5

TINTINA SILVER PROJECT
Histogram of Ag Assay Values
(Logarithmic Scale)

n = 355

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B-GRID - Diamond Drilling

Drilling in this grid area, which encompasses the number eight showing, was hampered by the steep terrain, the small size of the drill being used, and by permafrost which was encountered in all of the holes. Thus, although core recovery was relatively good, the maximum depth of each hole was limited and as a result the mineralized zone was intersected only by a very small margin. This may mean that the complete mineralized zone was not intersected in all of the sections.

Results of the drilling are shown at 1 inch = 20 feet (B-Grid Diamond Drill Hole Section - see Pocket) and also on individual sections at 1 inch = 20 feet.

As reviewed under Mineral Deposits, this particular deposit is strongly sheared and the mineralization is discontinuous. Additionally, mineralization encountered in the drilling is of a lower grade than that exposed on surface and sampled during initial exploration work on the property.

Results of the 1974 program suggest that in parts this deposit contains fairly high grade intersections and the number eight mineralized zone should be considered for future exploration. The shortcomings of the 1974 drilling should be taken into account in this evaluation, and the deposit considered as a potential target for any expanded exploration program on the property. The number eight showing should be drilled with 8Q diameter core and a heavy drill used to permit deeper penetration.

C-GRID - Diamond Drilling

A total of six holes were drilled in this area, to intersect the number nine zone showing at depth. This showing is of rather limited extent on surface and consists of high grade silver min-

eralization, with nearly 100 percent frieborgite in parts. This deposit is of the sheared, thrust zone type and as a result metal values are rather discontinuous.

Mineralization encountered in the six drill holes was of a very low grade, over narrow width. Results have been plotted at 1 inch = 20 feet (C-Grid Diamond Drill Hole Sections - see Pocket). At this time, this deposit seems to be of doubtful importance.

D-GRID - Diamond Drilling

The D-Grid covers the area of the number five, six and seven zones, and the western part of this area was tested by the 1962 underground exploration program. This is the only area where mineralization in the Lower Limestone (Unit 2) was tested by the present drilling program. The results of this drilling are shown in section at 1 inch = 20 feet (D-Grid Diamond Drill Hole Sections - see Pocket) and also individually at 1 inch = 10 feet, with assay values and calculated averages (see Pocket).

Initially, the number five showing, which is a relatively small but very high grade mineralized zone, was tested and found not to be continuous at depth, assuming a southwesterly dipping attitude. Sphalerite mineralization was encountered locally.

More extensive mineralization was encountered in the area of the number six and seven showings, but silver and lead values are rather low in this area and sphalerite is almost everywhere the dominant sulfide.

In the part of this report under Mineral Deposits, the Lower Limestone (Unit 2) type of deposit appears to be discontinuous due possibly to the effects of shearing. The mineralization

encountered in the drilling, although it is confined to a single stratigraphic unit, does not appear to parallel contacts and a certain degree of structural control of the mineralization within the Lower Limestone is suggested.

At present, these deposits appear to lack the continuity to be considered economically important, and they should be relegated to secondary exploration targets.

E-ZONE - Diamond Drilling

A total of four holes were drilled by the small Morex drill in this area, over the Sidehill Zone showing. The attitude of this small showing is very difficult to ascertain in outcrop due to the very limited exposure. Drilling results are shown on section at 1 inch = 20 feet (E-Zone Diamond Drill Hole Sections - see Pocket).

The geology of this zone is very similar to the A-grid except that the Black Argillite, Unit 5, is missing and the Upper Limestone is overlain directly by Argillaceous Limestone. The showing is on the nose of the Moorehouse Anticline, and it appears that the Black Argillite, and quite possibly some of the mineralized section, has been scraped away by the thrust fault which separates the upper and argillaceous limestone units.

It now appears that the Upper Limestone dips away from the two drill set-ups, and that intersections cut this unit at rather low angles. The only mineralization observed, aside from abundant pyrrhotite and pyrite in the underlying Middle Argillite, Unit 3, is a minor amount of sphalerite within the Argillaceous Limestone, Unit 6, at the top of the upper drill holes.

It should be noted that this deposit is a substantial dis-

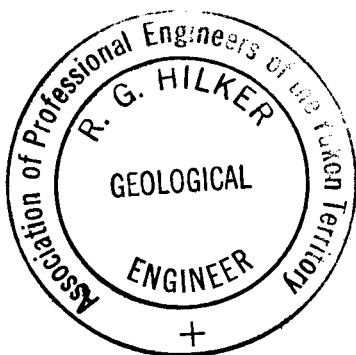
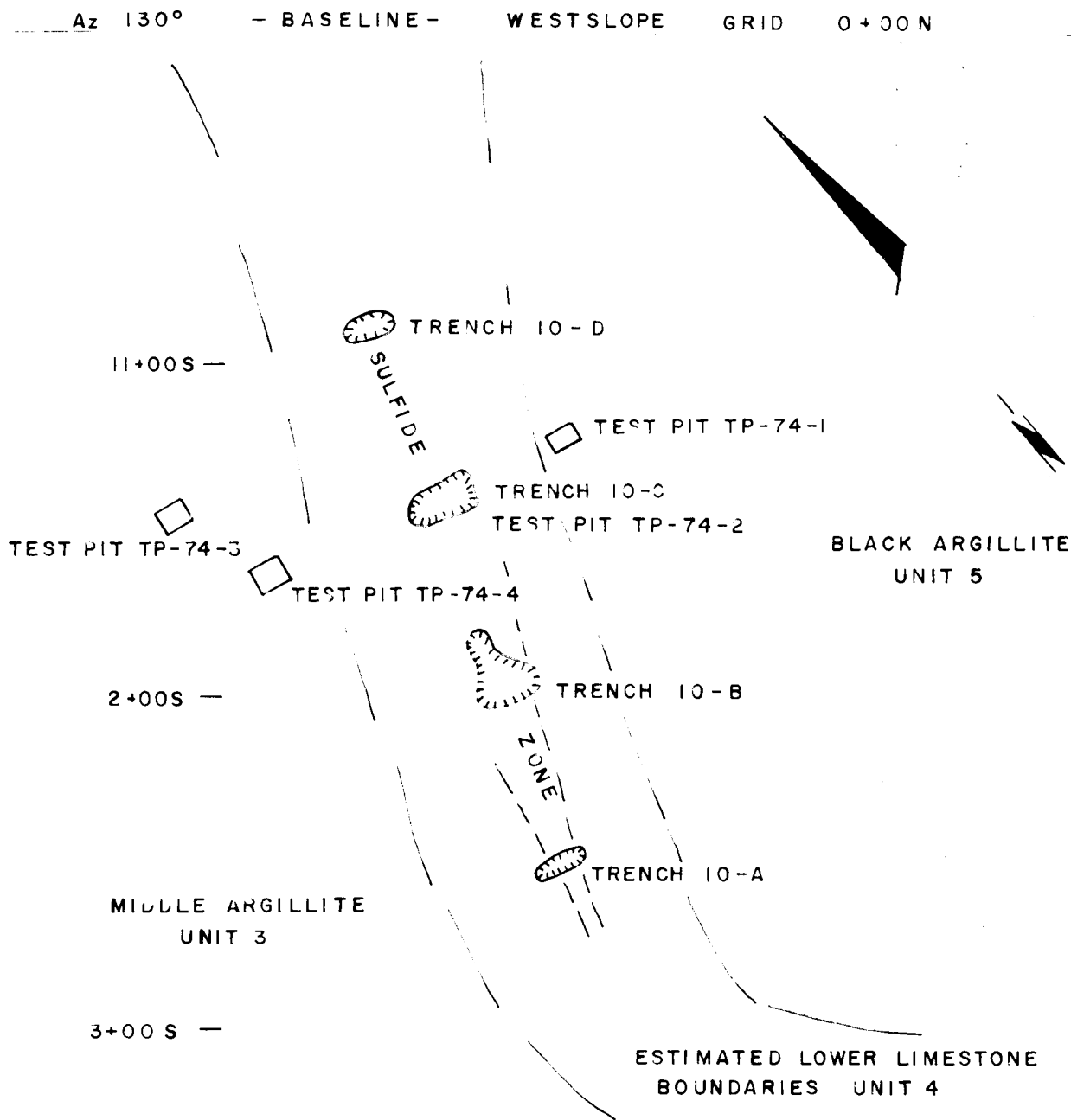
tance upslope from the number 10 zone, or the projected continuation of the A-grid deposit to the west. This implies that the thrust faulting is high enough in the section in this area that it will not affect mineralization in the suggested A-grid to the number 10 zone extension, and that the Upper Limestone is mineralized within more than a single structural feature in section down the northeastern limb of the Moorehouse Anticline.

NUMBER 10 ZONE - Mineralized Showing & Trenching Results

Particular interest was paid to this small showing due to its geologic position and results obtained from the A-grid drilling program. According to mapping by Moorehouse, the 10 zone mineralization is within a drag fold structure similar to that encountered in the A-grid. Expansion of the original number 10 zone trench and additional trenching along strike has indicated a strike length of nearly 175 feet, open to the northeast. Figure 6 shows the location of the four trenches over this zone. The full width has been exposed only in the southeasternmost trench, (No. 10-A) where it is about to pinch out adjacent to the argillite of Unit 3, thickness is approximately five feet. In the three other trenches, the full width of the zone could not be observed due to overburden cover, but widths appear to be in excess of four to six feet. Mineralization encountered is very similar in appearance to the A-grid mineralization, except that the samples are richer in iron, in the form of pyrite, pyrrhotite and blackjack. Most of the trenching is in zinc-rich mineralization and, except for a few local pods, silver-lead-rich mineralization was not encountered. Neither the Upper Limestone - Black Argillite contact nor the nose area of the drag fold were encountered in the trenches. Assays of grab samples taken from the trenches are shown in Table 6.

It is suggested that this zone is potentially a western extension of the A-grid mineralization. It appears to occupy an

FIGURE 6



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Note: See Geochemistry Plans (Pocket)
for grid orientation.

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No. 10 ZONE TRENCH & GEOCHEMICAL
TEST PIT LOCATIONS

DATE: Oct. / '74

SCALE: 1" = 50'

TABLE 6
NUMBER 10 ZONE SAMPLE ASSAY RESULTS

Sample	Description	Ag(oz/T)	Pb(%)	Zn(%)
3641	Trench 10-A - grab sample, representative over approximately 5 foot width, oxidized.	0.44	0.05	4.50
3642	Trench 10-B grab sample over approximately 4 foot width (before enlargement of trench)	1.62	0.47	14.52
3645	Trench 10-D - representative grab sample of oxidized surface mineralization from small exposure, less than 2 foot width.	0.18	0.03	17.75
3646	Trench 10-C - grab sample from few boulders of massive galena at back of trench	176.1	71.8	3.12
3647	Trench 10-C - grab sample from back of trench roughly 2 foot width.	2.35	0.39	13.70
3648	Trench 10-C - grab sample from front half of trench, roughly 2 foot width.	2.74	1.10	7.92
3649	Trench 10-B - grab sample of high grade mineralization.	48.9	7.80	42.6
3650	Trench 10-B - grab sample over approximately 6 foot width solid and broken bedrock.	2.79	1.06	8.52

Trenches are labelled 10-A through 10-D, from southwest to northeast, or from the Upper Limestone - Middle Argillite contact towards the nose of the drag fold and the Upper Limestone - Black Argillite contact. Spacing between the trenches is approximately 30 to 40 feet. Trench 10-D has filled with loose overburden since sampling.

identical position both stratigraphically and structurally and, is on strike with the projected extension of the A-grid deposit, assuming the possibility of a small amount of displacement by cross faults, such as the Mineral Fault.

EAST BOUNDARY ZONE

This showing consists of sulfide mineralization in quartz veins within the Argillaceous Limestone, (Unit 6). The extent of the mineralization is rather limited. Assays of two grab samples are shown below in Table 7.

TABLE 7

EAST BOUNDARY ZONE SAMPLE ASSAY RESULTS

<u>Sample No.</u>	<u>Description</u>	<u>Au(oz/T)</u>	<u>Ag(oz/T)</u>	<u>Pb(oz/T)</u>	<u>Zn(%)</u>	<u>Cu(%)</u>
3643	Grab sample, mainly visible copper mineralization	Tr	3.16	1.25	0.24	0.38
3644	Grab sample, galena and sphalerite, iron-rich	0.04	9.42	21.6	3.60	0.30

The importance of this mineralization is that it suggests the possibility of underlying mineralization in limestone. It is roughly on strike with the A-grid deposit and, although the Upper Limestone is not exposed here, favourable drag fold structures are evident trending through the area.

GEOCHEMICAL SURVEY

Two types of geochemical survey were conducted over the central area of the Eagle claims, including rock chip sampling over and surrounding the A, C and D grid areas and soil sampling on the East Slope and West Slope areas. A detailed statistical analysis has not yet been carried out on the data.

Results of the rock chip sampling program show that strongly anomalous metal values may be present in any rock type, excepting intrusives, adjacent to known mineralization. Anomalous results were obtained from the A, B and C grid areas and from the Ridge Zone. Samples were collected at 100 foot centres, where outcrop was available for sampling. The A-grid anomaly pattern is one of scattered and isolated anomalous samples, separated by samples of background metal content. Only one anomalous sample is not explained by known mineralization, and this sample was collected from the area above the Fall Zone, from black argillite, at Tintina grid co-ordinates 51,400 N and 80,000 E.

The mean values in parts per million for Ag, Pb and Zn are 2.3, 59 and 82 respectively, as calculated from the 115 samples collected, omitting extremely high values. The silver values are constant in all rock types. The lead values are relatively constant in all rock types except the grey argillite, in which they are higher (mean = 92 p.p.m.). Zinc is relatively constant except in the limestone, where it is lower than the average (mean = 41 p.p.m.).

The soil sampling survey was conducted to test for both easterly and westerly extensions of the A-grid mineralization. Sampling on the East Slope area was rather limited due to the very steep terrain. However, strongly anomalous silver, zinc and, to a lesser extent, lead values were detected both at the north and south ends of the area sampled, as shown on the Drill Hole Locations

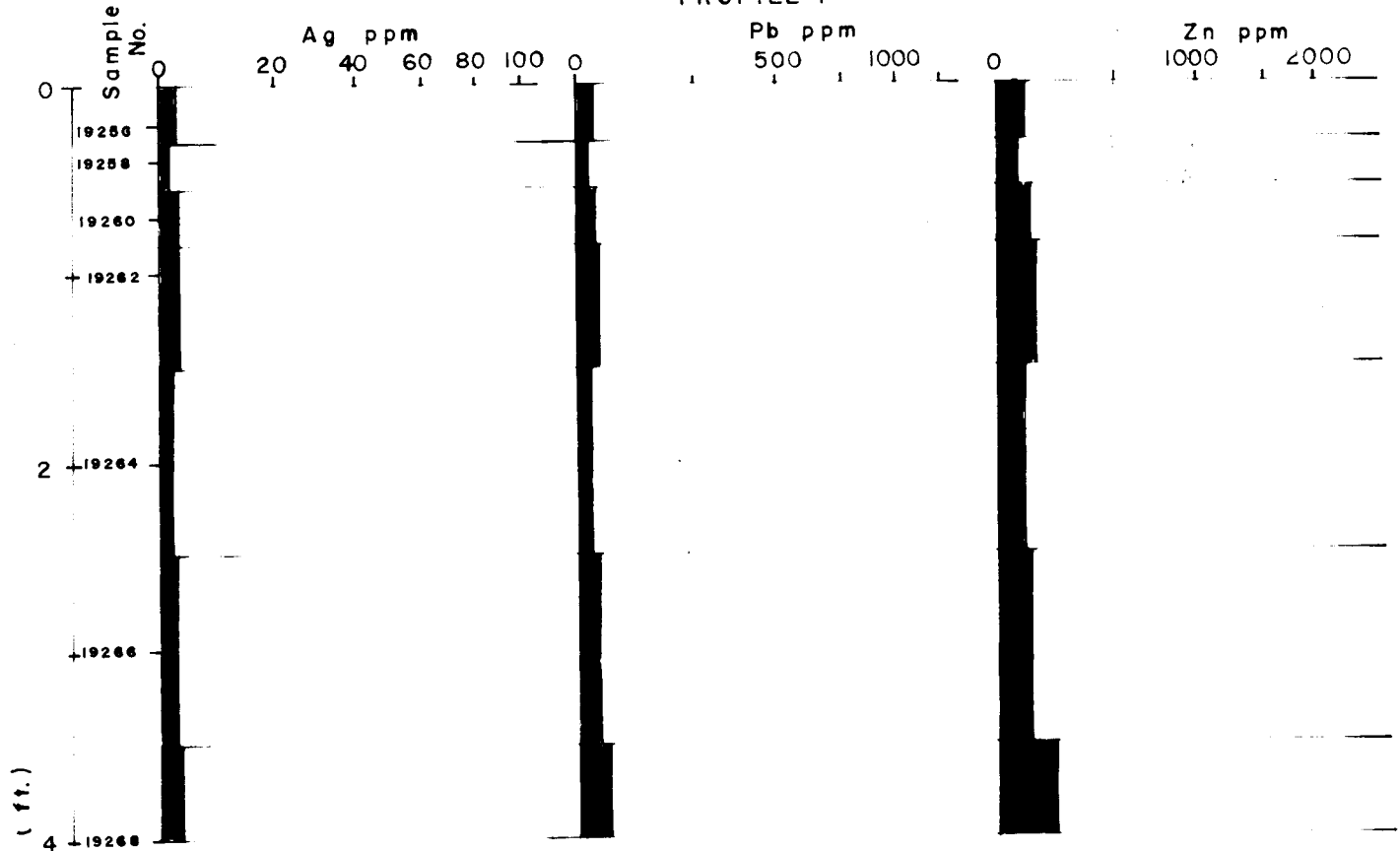
and Geology Plan, at 1 inch = 200 feet (see Pocket). These anomalies are, in all but one case, associated with limestone - black argillite contacts and thus suggest that an extension of the A-grid deposit, or a similar deposit, may be present within the limestone under the ridge. The soils collected were of a very simple nature, consisting of rock "grit", or finely ground rock fragments, with very little chemical alteration.

The West Slope area provides a more difficult problem due to soil cover of glacial and gravity slide material. To aid in the interpretation of the 482 samples collected, four test pits were sampled, each to a depth of approximately four feet and on two faces. Test Pit TP-74-1 is located about 30 feet upslope from known mineralization (Zone 10), TP-74-2 is located in trench 10-C directly over the number 10 zone mineralization, and TP-74-3 and 4 are each located downslope from trench 10-C, TP-74-3 being in a stable, grass covered area and TP-74-4 in an area of active erosion. The location of the test pits relative to the number 10 zone trenches is shown on Figure 6.

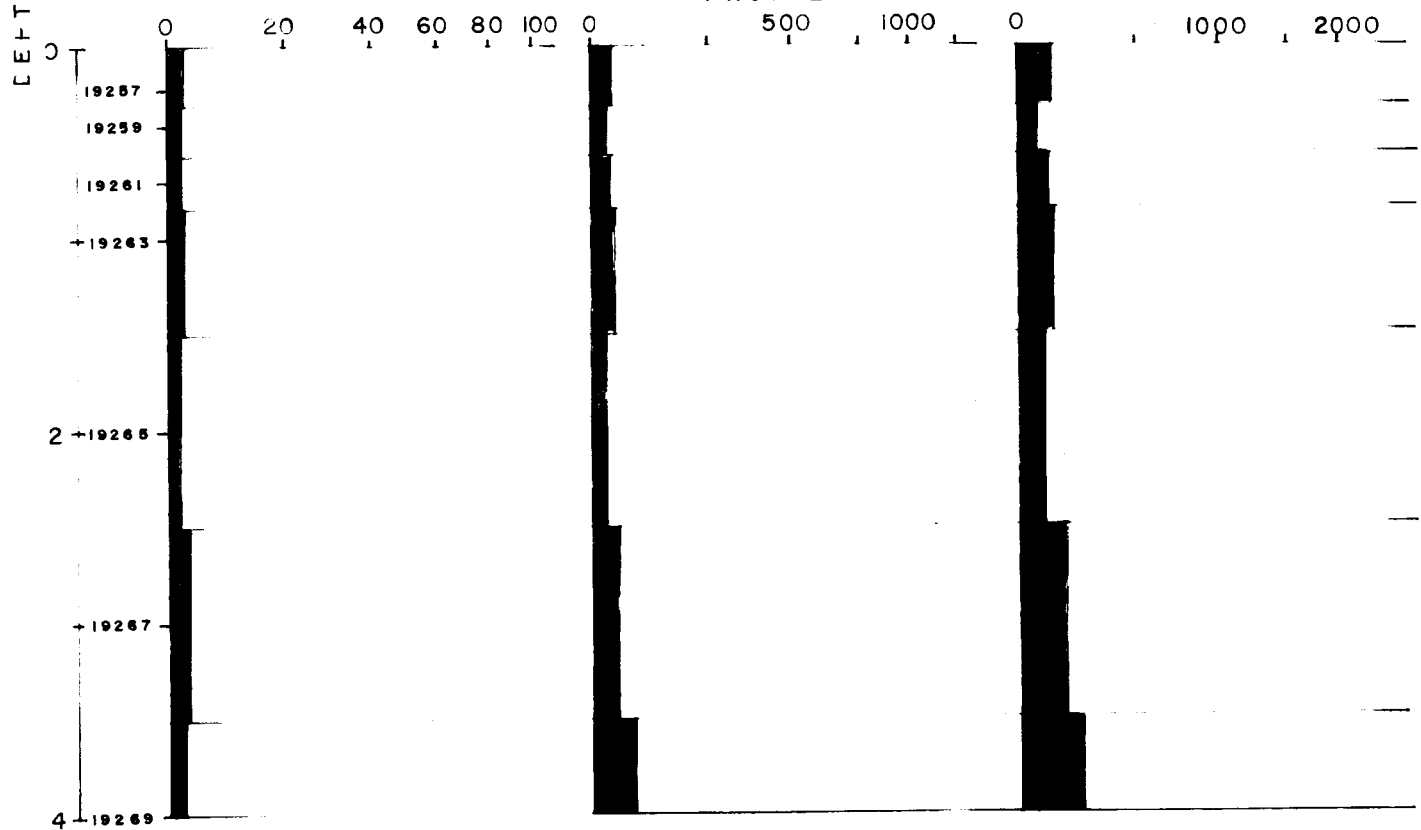
The test pit profiles (see Figures 7, 8, 9 & 10) reveal that dispersion of Ag, Pb and Zn is very limited in the upper soil layers, to a depth of over one foot. The exceptions to this are Zn and Pb in the active mechanical erosion area, TP-74-4. Of the three metals, zinc shows the greatest degree of dispersion, with the most anomaly contrast between TP-74-1 and TP-74-2, 3 and 4.

In addition to the above analysis, one profile in each of TP-74-1 and 2 was analyzed for Cu, Cd, Mn, Co, Ni, Mo and Ba. One profile in each of TP-74-3 and 4 was analyzed for Cu, Cd and Mn only (see Table 8). The Co, Ni, Mo and Ba values show virtually no variation. The Cu, Cd and Mn show responses similar to Ag, Pb, and Zn, with the same problem; the anomaly contrast is relatively

FIGURE 7
TEST PIT TP-74-1
PROFILE 1



PROFILE 2



VERTICAL SCALE: 1" = 1.0'

FIGURE 8
TEST PIT TP-74-2

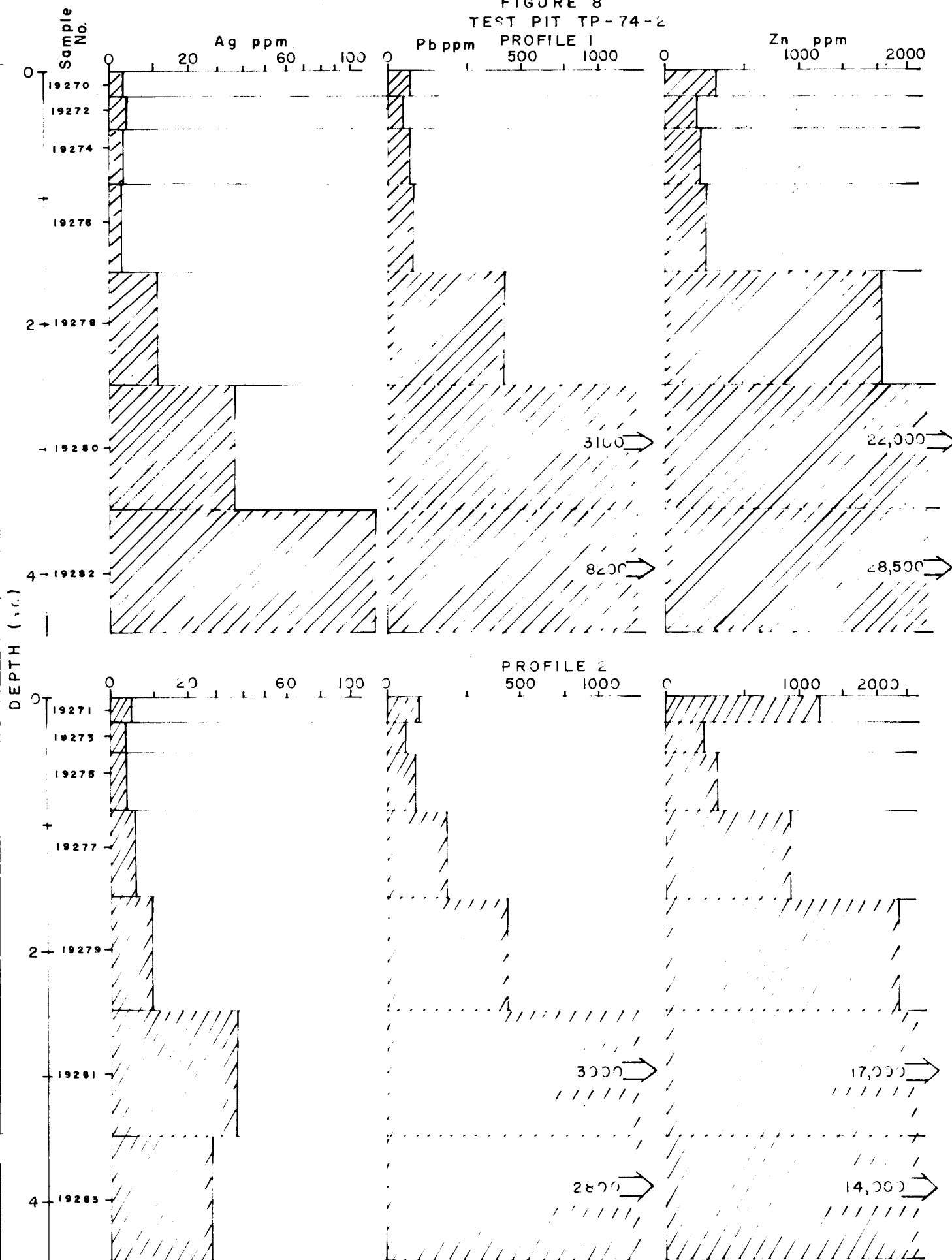


FIGURE 9
TEST PIT TP-74-3
PROFILE 1

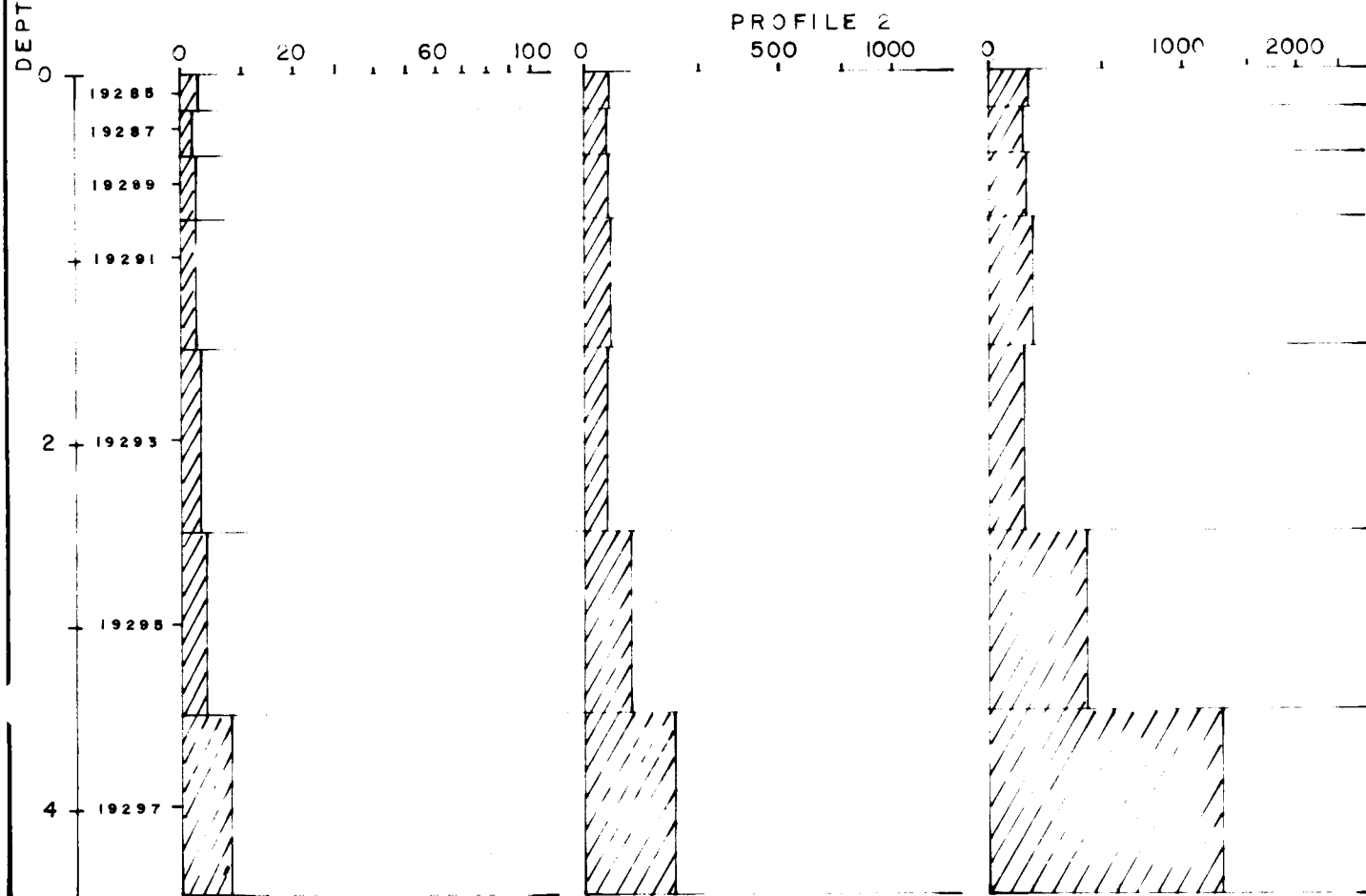
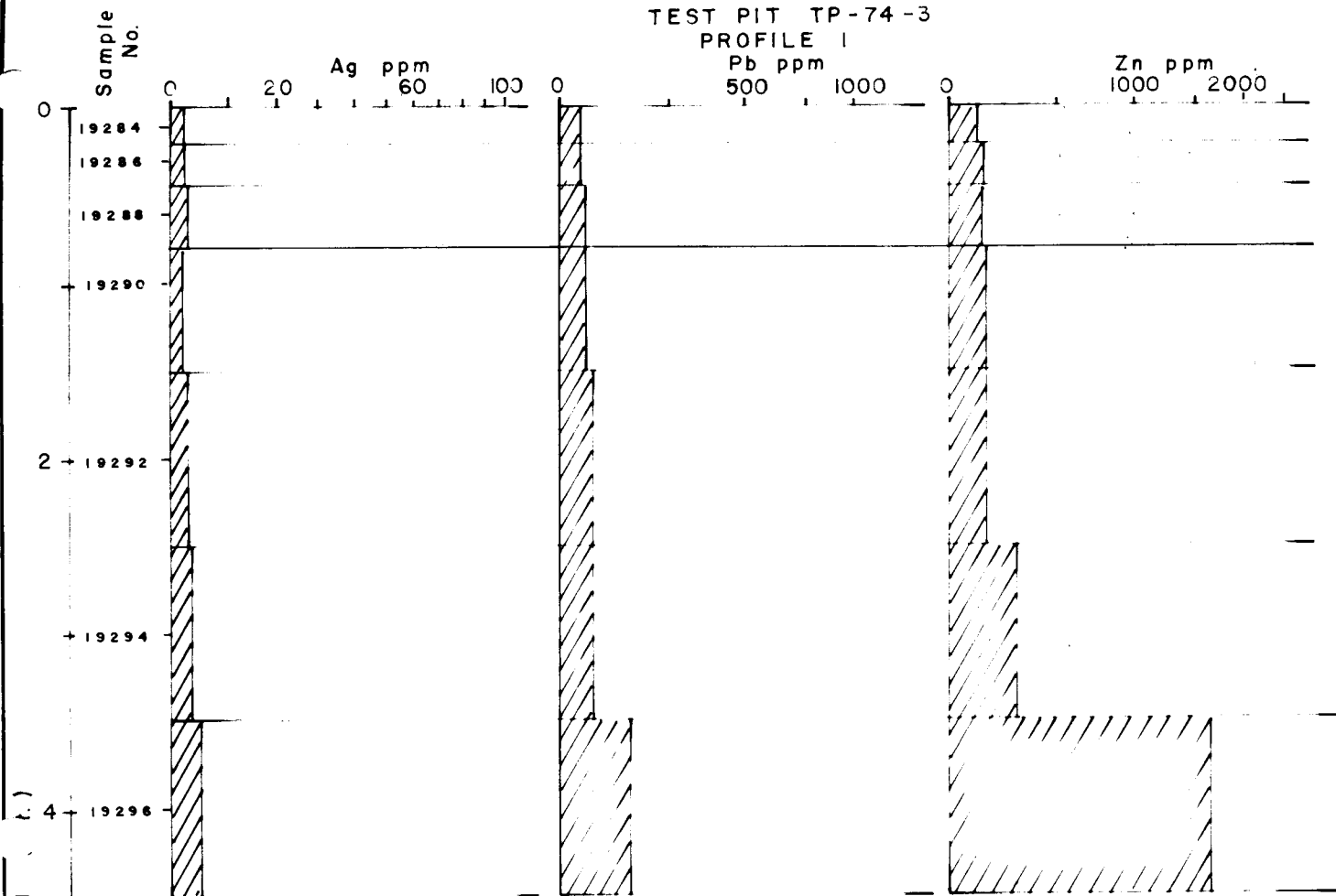


FIGURE 10
TEST PIT TP-74-4
PROFILE 1

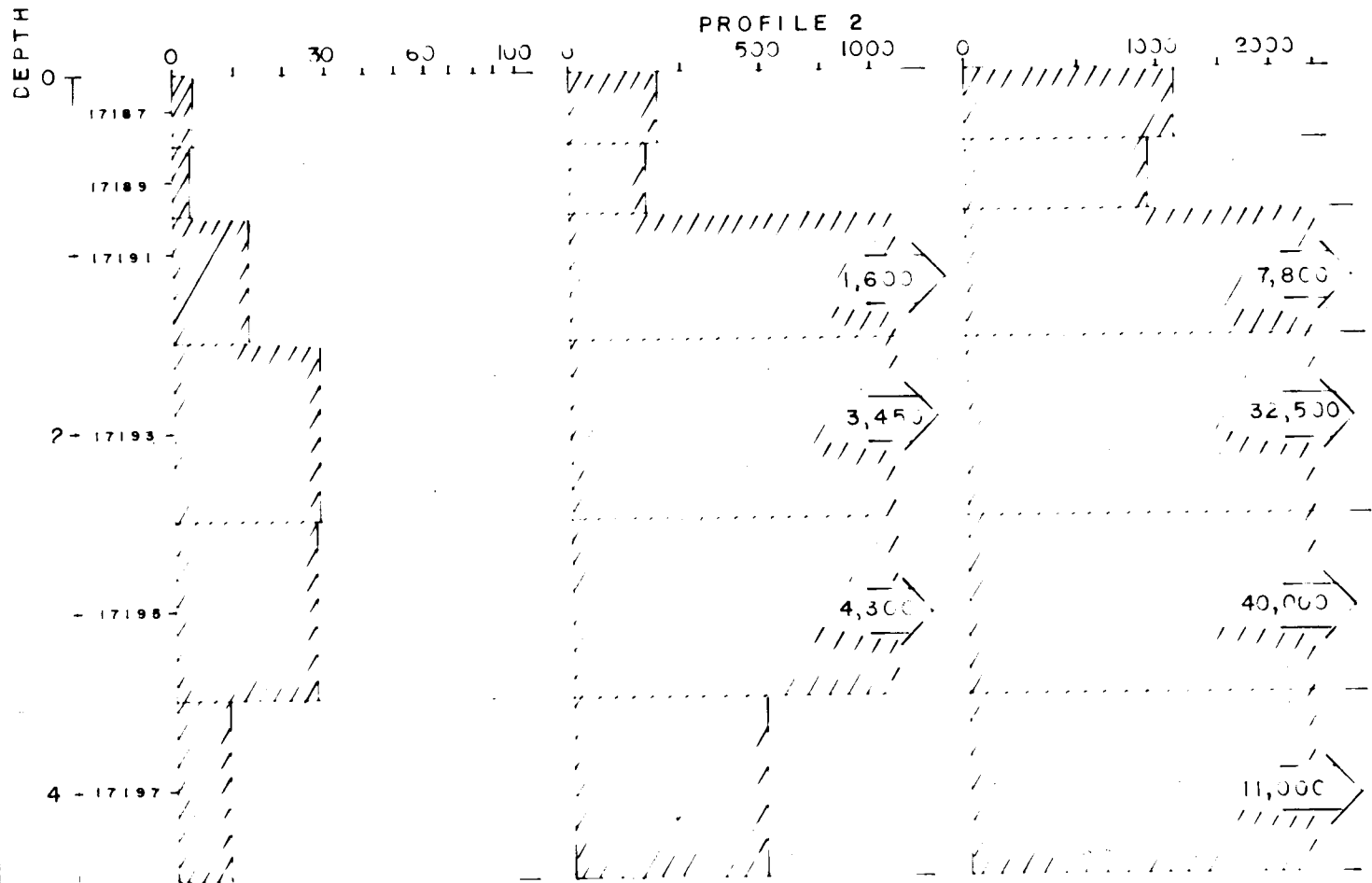
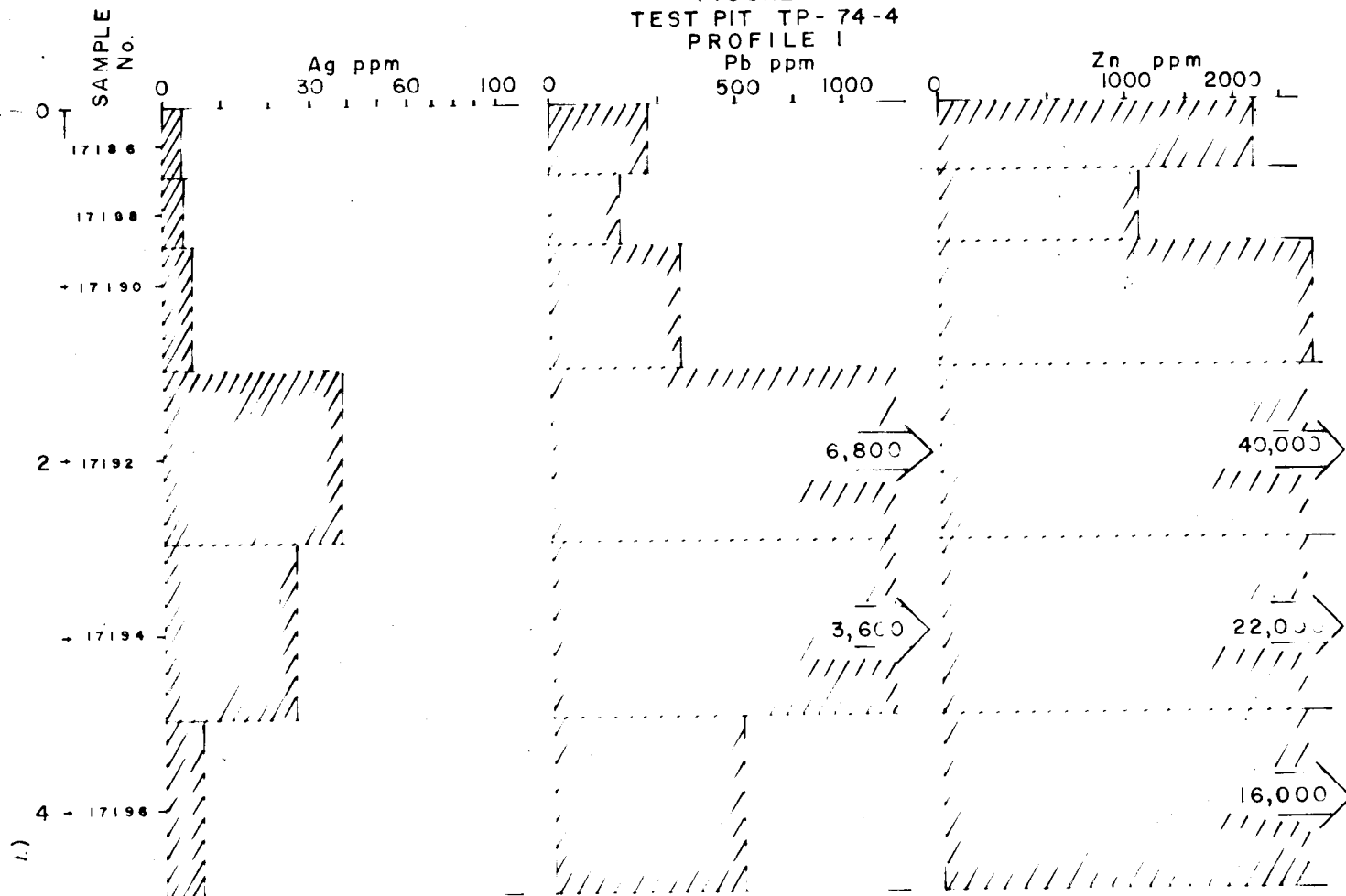


TABLE 8
TEST PIT PROFILES

TP-74-1

<u>Sample</u>	<u>Ag</u>	<u>Pb</u>	<u>Zn</u>	<u>Cu</u>	<u>Cd</u>	<u>Mn</u>	<u>Co</u>	<u>Ni</u>	<u>Mo</u>	<u>Ba</u>
19256	2.6	28	100	42	2.0	530	18	34	4	20
19258	1.5	20	60	24	1.0	185	14	18	2	30
19260	3.0	31	115	67	2.0	335	23	46	2	20
19262	3.0	37	135	65	1.8	360	24	49	2	20
19264	2.0	26	100	61	1.2	325	19	39	2	30
19266	2.8	37	120	72	1.8	360	23	54	2	20
19268	3.2	54	230	52	2.4	410	22	57	2	20

TP-74-2

19270	2.8	51	290	62	2.6	375	21	47	2	30
19272	3.2	34	160	73	1.8	380	23	61	2	25
19274	2.8	54	180	71	2.0	385	25	57	2	25
19276	2.6	57	225	50	2.2	340	20	52	2	30
19278	10.6	410	2075	56	5.6	465	20	55	2	20
19280	36.5	3100	22,000	125	29.0	890	27	61	2	15
19282	110.0	8200	28,500	305	38.0	1450	27	59	2	10

TP-74-3

Sample	Ag	Pb	Zn	Cu	Cd	Mn	Co	Ni	Mo	Ba
19284	2.8	36	110	75	2.0	330				
19286	2.4	38	130	76	2.0	335				
19288	2.8	36	125	82	1.6	340				
19290	2.2	42	145	78	1.4	330				
19292	2.9	63	140	56	1.4	265				
19294	3.4	59	295	84	2.2	405				
19296	5.0	150	1650	71	4.0	450				

TP-74-4

17186	3.2	220	2200	53	5.8	425				
17188	3.4	150	1100	61	4.6	435				
17190	4.8	315	3000	57	8.2	480				
17192	38.0	6800	40,000	165	43.0	1500				
17194	25.5	3600	22,000	130	67.0	1250				
17196	6.0	515	16,000	67	55.0	435				

Note: all values are in parts per million

small in the upper soil layers. At present, therefore, zinc appears to be the best metal for anomaly definition, with a threshold value of approximately 200 p.p.m.

The survey area on the West Slope covers the 10 and 11 Zones, from approximately 5000 feet elevation on the hillside to the valley floor. A broad anomaly, approximately 400 to 600 feet by 2000 feet, extends downslope from the 10 zone and over the 11 zone. The most significant part of this anomaly is the eastern corner, which extends the 10 zone anomaly more than 200 feet beyond the northeasternmost trench, 10-D. Moderately anomalous zinc values are present in other areas of the grid, stratigraphically at or below the Upper Limestone unit, and in particular in the southern corner of the grid. This is in the area just upslope from the old campsite, and contamination from a large amount of tractor work done on the overburden cover may account in part for these anomalous values.

Finally, mention should be made of the geochemical survey conducted in 1968 over the claim group and regionally around the Tintina property. In this survey, lead was the only metal analyzed, following precedents set in the Keno Hill area.

The soil survey within the claim group outlines broad anomalous zones in the area of the main showings, and the trend appears to follow the main anticlinal axis. However, no anomaly was picked up over the A-grid showings. From the results of the test pit work, and the anomaly patterns obtained from soil sampling surveys, it is apparent that important geochemistry anomalies may be of very low profile as compared with possibly superfluous anomalies which may be strictly the result of transported (downslope) overburden, metal-rich bedrock (such as Pb in grey argillite - Unit 3), or mineralization associated with the Argillaceous Limestone thrust plane which may not be economically significant but will show a strong geochemical response. Great care is obviously necessary in

the interpretation of anomalies.

The same problems are apparently involved in the interpretation of a silt sample survey. While the East Creek has strongly anomalous Pb values (1968 survey), Ice Creek shows very few anomalous values, both Pb in the 1968 survey and Pb, Zn and Ag in a 1974 test survey. This may be due to a suppressing factor due to overburden cover on the West Slope. Whatever the cause, these surveys show that significant mineralization may not produce a strong silt anomaly, and that perhaps the results of the 1968 regional program should be re-evaluated in this light. In future surveys, it should be considered that multi-element analysis of sample material, particularly for Ag, Pb and Zn, will provide a more reliable basis for interpretation than the reliance on a single element analysis.

CONCLUSIONS AND RECOMMENDATIONS

A diamond drilling program on the Tintina Silver Mines Ltd. silver-lead-zinc Eagle Claim Group was initiated during the past summer to test a portion of the surface showings throughout the claim group. The property is located in the southeastern Yukon, between Ross River and Watson Lake and a short distance southwest of the Tintina Valley.

Silver-lead-zinc sulfide mineralization is localized largely within Lower Cambrian limestones and is for the most part stratiform. The Paleozoic host rocks have been intruded by a Mesozoic granodiorite plug. The mineralized strata have a strong spatial association with a major, northwest trending anticline. Other major structural features include thrusting of younger sediments from the southwest over the mineralized sedimentary sequence and relatively small scale northeast trending cross faults.

Genesis of the sulfide mineral deposits on the Eagle claims is uncertain, although the most obvious explanation would be that they are replacements of favourable limestone horizons by mineralizing solutions associated with the emplacement of the granodiorite to the northwest. However, another possibility is that they formed cotemporally with their host rocks, possibly as volcanogenic sulfides, altered by subsequent metamorphism and deformation. Possible tuffs, cherts, and bands of massive pyrrhotite observed within the middle argillite unit 3 indicate a favourable depositional environment for syngenetic metallic sulfide minerals.

Sulfide mineralization within the Lower Limestone (Unit 2) and along the thrust fault planes has been strongly deformed and, as a result, the sulfides are of a discontinuous nature. The Upper Limestone (Unit 4) is thin and homogeneous and less vulnerable to extreme internal structural

deformation. Sulfide bodies, such as the A-grid deposit within the Upper Limestone (Unit 4), have been affected very little by shearing and are therefore more continuous bodies. The association of the black argillite (Unit 5), containing abundant sulfur in the form of pyrrhotite and pyrite, caps the Upper Limestone (Unit 4) and may be important to the formation of a substantial sized high grade deposit.

Drilling over the A-grid has proven the existence of relatively continuous and high grade silver-lead-zinc mineralization within the Upper Limestone (Unit 4) and associated with an irregular drag fold on the northeastern limb of the main anticline. The deposit is exposed on the floor of a lower cirque, and due to steep mountainous terrain on either end of the deposit, exploration by drilling was limited to a 300 foot strike length during the 1974 program.

The A-grid mineralization appears to strike northwest to the number 10 mineralized showing and southeast under the East Ridge. The strike distance to the number 10 mineralization is 2000 feet along 298° azimuth, following the favourable irregularly drag folded Upper Limestone (Unit 4) bed. The number ten Showing was trenched into bedrock and assays of surface grab samples are similar in grade to the silver-lead-zinc sulfides delineated in the A-grid diamond drilling. Geochemical soil samples taken adjacent to the number 10 showing indicate a silver-lead-zinc anomaly over and downslope from the Upper Limestone (Unit 4). The number 10 zone mineralization occupies a position stratigraphically and structurally similar to the A-grid sulfide mineralization. Argillaceous Limestone (Unit 6) and Black Argillite (Unit 5) overlie the mineralized Upper Limestone (Unit 4) bed along the number 10 zone and A-grid structure. The terrain between section 8+00E and about section 5+75E - A-grid is steep, and difficulty would be encountered for drill set-ups. However, the terrain from section 5+75E - A-grid

to the number 10 mineralized showing is relatively flat (see Geology Section C-C' Scale 1 inch = 400 feet). Offsets of the mineralized horizon, along its projected strike length, by cross faults, such as the Mineral Fault, are not expected to be extremely significant.

The A-grid sulfide mineralization appears to strike southeast under the East Ridge. The East Ridge rises steeply from Cascada Creek at section 11+00E of A-grid. Sulfide mineralization was intersected on section 11+00E and the favourable host Upper Limestone (Unit 4) continues to the southeast. Geochemical soil or rock "grit" samples were collected on the East Slope and three anomalous areas were delineated. The Upper Limestone (Unit 4) is overlain here by a thick sequence of Black Argillite (Unit 5) and isolated fault wedges of Argillaceous Limestone (Unit 6). The geochemical anomalies along the East Slope are associated with the Upper Limestone (Unit 4) and Black Argillite (Unit 5) contact, and extend over 1500 feet southeast of section 11+00E drilling on A-grid.

It is therefore recommended that the present program of diamond drilling be continued over the primary A-grid target area and its extensions both to the northwest and southeast. The program, in the northwest Saddle area, could be conducted in a manner similar to the 1974 program, while the drilling on the East Ridge and locally on the West Slope would require extensive preparation of drill sites and drill moves by helicopter. Very careful planning would be required for the efficient execution of this program with minimum cost.

It is also recommended that surface exploration be expanded to encompass more of the property. Among the targets which should be considered are the West Slope showings between the number 10 zone and the intrusive to the northwest, particularly within the

Upper Limestone (Unit 4). Another area which deserves attention is the Upper Limestone (Unit 4) and Lower Limestone (Unit 2) on the southwestern limb of the Moorehouse Anticline. Little exposure of these Units has been observed in the central claim area due to scree and talus cover. A broad geochemical anomaly, from the 1968 survey occurs in the vicinity of the old campsite. The anomaly might be the downslope reflection of the Sidehill and Ridge zones or similar mineralization to the southwest.

The East Boundary zone may be indicative of underlying mineralization in one of the limestone units. The geology, extrapolated from the A-grid and observed in the eastern area of the claim group, and the strong geochemical anomaly east of the East Slope area as defined by the 1968 survey, suggest that the area between the A-grid and the East Boundary zone holds more potential than has yet been recognized.

In conclusion it is recommended that a diamond drilling and surface exploration program be conducted on the Eagle claim group to further develop the property.

EXPENDITURES

The following expenditures are recommended for a diamond drilling and surface exploration program to be conducted on the Eagle claim group of Tintina Silver Mines Ltd.

Diamond Drill Program

Diamond Drilling - 12,000 feet @ \$15.00/ft.-----	\$180,000.00
Core Boxes -----	4,500.00
Transportation -----	15,000.00
Personnel ----- 10,000	
Equipment ----- <u>5,000</u>	
Assaying Samples -----	6,500.00
Camp Operation -----	20,000.00
Food Supplies ----- 10,000	
General Camp ----- 4,000	
Camp Construction ----- <u>6,000</u>	
Geological Equipment -----	1,500.00
Flying Transportation -----	80,000.00
Fixed Wing Aircraft - 100 hrs @ 200.00	
/hr. - 20,000	
Rotary Wing Aircraft - 200 hrs @ 300.00	
/hr - 60,000	
Communications -----	2,000.00
Consultant Fees -----	35,000.00
Field Geologist ----- 10,000	
Supervision Geologist - 15,000	
Geological Assistants - 5,000	
Prospector ----- <u>5,000</u>	
Geological Evaluation Report - Drill Results -----	<u>2,500.00</u>
Sub Total	<u><u>\$347,000.00</u></u>

Surface Exploration Program

Geochemical Survey -----	20,000.00
Geological Mapping -----	20,000.00
Drilling & Blasting Trenches -----	<u>8,000.00</u>
Sub Total	<u>\$ 48,000.00</u>

General Administration Expense

Head Office Administration -----	18,000.00
Field Office Administration -----	7,000.00
Travel, Telephone, Rents Etc. -----	<u>5,000.00</u>
Sub Total	<u>\$ 20,000.00</u>

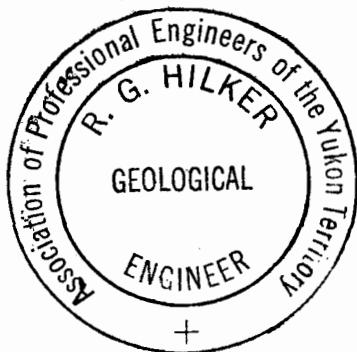
Total Program Cost	<u>\$415,000.00</u>
--------------------	---------------------

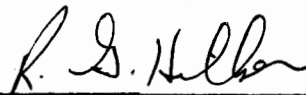
CERTIFICATION

I, ROBERT G. HILKER, of #6 Chalet Crescent, Hillcrest, in the City of Whitehorse, in the Yukon Territory, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geologist, with an office located at #8 Northern Metallic Building and Postal Address P.O. Box 4008, in the City of Whitehorse, in the Yukon Territory.
2. THAT I am a graduate of the Michigan Technological University located at Houghton, Michigan, U.S.A., where I obtained a Bachelor of Science Degree in Geological Engineering (Exploration Option) in 1962.
3. THAT I am a registered member in good standing of; The Association of Professional Engineers of the Yukon Territory, a Fellow of the Geological Association of Canada, and registered with The Association of Professional Engineers of British Columbia.
4. THAT I have practised my profession as an engineer and geologist for the past twelve years.
5. THAT I have personally supervised the field work, data processing, and report preparation on the diamond drill and surface exploration program on the Eagle claim group, located on N.T.S. Sheet 105-G-3 in the Junkers Lake and Ings River area of the Yukon Territory, during the period of May through October 17, 1974.
6. THAT I acknowledge that G.G. Carlson, P. Eng. did perform the field geology work and report preparation on the Eagle claim group diamond drill and surface exploration program.
7. THAT I have no direct or indirect interests in any of the mineral claims, or in any of the securities held by Tintina Silver Mines Ltd., nor do I expect to receive any.

DATED this 17th day of October, A.D. 1974, in the City of Whitehorse, Yukon Territory.




R.G. Hilker, P. Eng.

DATE. November 18, 1974.

FILE NO. 100-2

ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.
BOX 4518 WHITEHORSE Y. T.
PHONE 667 2694 Y1A 2B0

SAMPLE RECEIVED FROM

TIMBER SILVER MINES

SAMPLE NO.	GOLD Oz. Per Ton	SILVER Oz. Per Ton	LEAD	ZINC	COPPER			
1002	72	3.16	1.25	.24	.38			
1005	.04	5.42	21.6	3.60	.50			
1006	-	.10	.03	17.75	-			
1007	-	176.1	71.0	3.12	-			
1008	-	2.35	.39	13.70	-			
1009	-	2.48	1.10	7.52	-			
1010	-	23.9	7.00	42.6	-			
1011	-	2.79	1.06	0.52	-			

ASSAYER. K. Heyland for M. Spalding

DATE JULY 21, 1974.

FILE NO. 8303-111

ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.
BOX 4518 WHITEHORSE Y.T.

PHONE 667 8104

SAMPLE RECEIVED FROM

TINTINA SILVER MINES LTD.

SAMPLE NO.	GOLD Oz. Per Ton	SILVER Oz. Per Ton	LEAD	ZINC	COPPER			
3633	-	35.96	16.9	4.32	.07			
3634	-	16.5	11.15	29.85	-			
3635	-	75.9	26.4	7.68	-			
3636	-	220.8	30.1	14.03	-			
3001	-	.35	.09	.08	-			
3002	-	95.24	12.3	20.41	-			
3003	-	.86	.15	6.60	-			
3004	-	.12	.05	.02	-			
3005	-	.88	.05	.07	.30			
3006	-	57.18	40.45	3.86	-			
3007	-	26.82	9.30	12.35	-			
3008	-	4.08	.09	26.39	-			
3009	-	6.76	.48	17.75	-			
3810	-	.15	.03	.06	-			
3811	-	1.97	.03	10.70	.04			
3812	-	39.16	.10	.06	.25			
3813	-	502.8	2.85	.39	3.23			
3814	-	34.98	.75	1.40	.29			
3815	-	1.12	.04	.81	.04			
3816	-	4.97	.13	10.15	-			
3817	-	10.54	1.55	14.35	-			
3818	-	.32	.05	17.33	-			
3819	-	.10	.13	.34	-			
3820	.005	.09	-	-	-			
3821	-	6.48	3.23	3.54	-			
3822	-	.12	.03	.66	-			
3823	-	2.96	2.13	12.04	-			
3824	-	2.00	.05	.42	-			
3825	-	3.38	1.55	4.86	-			
3826	-	.44	.07	3.66	-			
3827	-	1.62	.15	3.60	-			
3828	-	.15	.01	.21	-			
3829	-	.29	.05	39.32	-			
3830	-	1.32	.23	6.84	-			
3831	-	.79	.08	.12	-			
3832	-	3.24	.09	7.80	-			
3833	-	2.41	.23	.66	-			
3834	-	.06	.01	.15	-			
3835	-	.29	.01	.07	-			
3836	-	.38	.01	.34	-			
3837	-	.29	.08	1.26	-			
3838	TR	-	.11	.30	-			
3839	-	12.0	.05	.98	-			
3840	-	134.2	.13	.37	-			

ASSAYER

DATE Nov. 1974.FILE NO. 601-101

ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.
BOX 4518 WHITEHORSE Y.T.

PHONE 667 2106

SAMPLE RECEIVED FROM

TINTINA SILVER MINES

SAMPLE NO.	GOLD Oz. Per Ton	SILVER Oz. Per Ton	LEAD	ZINC	COPPER		
		.65	.35	21.3	-		
		.21	.11	.07	.02		
		6.47	.01	.30	-		
		.88	.38	.01	-		
		.12	.05	.06	.01		
		14.12	5.25	22.3	-		
		.35	.21	.01	-		
		.03	.07	.05	-		
		6.62	6.3	11.29	-		
		6.18	7.82	17.4	-		
		.12	.04	.17	-		
		.15	.07	.02	-		
		33.83	9.30	17.49	-		
		.06	.03	.03	-		
		.09	.21	.03	-		
		9.53	6.22	1.46	-		
		.15	.01	.10	-		
		.15	.04	.22	-		
		.21	.01	.01	-		
		.10	.03	1.56	-		
		.50	.27	23.8	-		
		.15	.21	.27	-		
		.21	.05	.01	-		
		.21	.17	.04	-		
		.21	.05	.03	-		
		.18	.05	.08	-		
		.15	.15	.10	-		
		.47	.15	3.06	-		
		.4	.01	20.4	-		
		.14	.32	9.46	-		
		.14	.38	.20	-		
		.03	.01	.01	-		
		.15	.08	5.04	-		
		.15	.01	22.3	-		
		.29	.07	5.28	-		
		2.47	2.25	11.17	-		
		10.44	9.35	9.49	-		
		2.35	1.24	.33	-		
		16.52	11.3	.87	.43		
		.06	.03	.49	-		
		.15	.01	2.22	-		
		.15	.01	.07	-		
		2.33	1.35	.74	-		
		27.9	23.6	22.5	.33		
		72.52	31.0	10.55	.75		
		5.00	5.25	7.92	-		
		10.29	8.83	13.41	.10		
		.50	.23	2.88	-		
		11.54	14.03	12.2	.20		

ASSAYED

DATE. 11. 1974.

ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.

BOX 4518 WHITEHORSE Y.T.

PHONE 667 8004

SAMPLE RECEIVED FROM

TENTINA SILVER MINES

SAMPLE NO.	GOLD Oz. Per Ton	SILVER Oz. Per Ton	LEAD	ZINC	COPPER			
		1.03	1.60	.94	-			
		3.72	2.10	.85	-			
		.77	.49	1.04	-			
		.25	.01	.07	-			
		1.27	.29	.03	-			
		3.56	2.25	.24	-			
		7.9	3.90	3.90	-			
		.35	.08	6.12	-			
		.06	.03	5.52	-			
		.12	.03	10.10	-			
		.07	.03	.63	-			
		TR	.01	6.90	-			
		.06	.01	.74	-			
		.15	TR	10.9	-			
		.10	TR	14.6	-			
		.09	.01	14.6	-			
		.06	.01	4.08	-			
		.24	.03	29.45	-			
		.12	.01	6.72	-			
		.03	.03	2.44	-			
		.15	.03	12.3	-			
		.20	.01	22.3	-			
		.09	.01	2.70	-			
		.15	.01	27.5	-			
		.09	TR	10.2	-			
		.15	.03	.37	-			
		.13	.04	1.04	-			
		4.21	.70	.85	-			
		7.21	3.00	1.35	-			
		20.9	9.15	21.7	-			
		.59	.21	.72	-			
		25.76	4.73	4.60	-			
		5.59	1.58	3.26	-			
		32.9	2.50	1.42	-			
		12.02	5.10	7.02	-			
		13.76	5.78	10.5	-			
		8.30	6.23	6.24	-			
		.40	.54	4.89	-			
		21.68	11.5	15.69	-			
		1.33	.30	7.55	-			
		.25	.04	.87	-			
		.44	.02	22.1	-			
		.75	.05	.77	-			
		.03	.05	.06	-			
		.88	.15	.24	-			
		4.56	.23	7.52	-			
		.15	.03	.06	-			
		2.00	.07	.22	-			
		10.70	3.23	10.0	-			

ASSAYER

ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.

BOX 4518 WHITEHORSE Y.T.

PHONE 667 2000

DATE. 17. 10. 1971.

SAMPLE NO. 3981-3983

SAMPLE RECEIVED FROM

TINTINA SILVER MINES

SAMPLE NO.	GOLD Oz. Per Ton	SILVER Oz. Per Ton	LEAD	ZINC				
		6.03	1.30	.08				
		47.52	8.95	.95				
		1.76	.33	22.4				
		1.68	.04	26.9				
		.94	.03	25.8				
		.21	.02	2.40				
		.29	.10	.97				
		.15	.05	1.02				
		33.1	9.37	29.3				
		46.44	3.98	15.7				
		1.38	.19	.65				
		1.05	.40	6.48				
		2.03	.25	1.50				
		8.53	5.03	1.04				
		7.1	.01	.92				
		5.59	2.00	2.40				
		25.3	15.7	19.1				
		19.42	16.3	14.8				
		15.89	14.03	18.9				
		7.90	7.2	10.68				
		1.16	1.28	2.24				
		.56	.60	.34				
		.94	1.28	1.26				
		2.45	3.13	10.2				
		8.24	2.15	2.46				
		.15	.04	.00				
		.54	.25	.26				
		.15	.05	4.62				
		.14	.01	60.8				
		.15	.01	12.8				
		.13	.01	3.68				
		.15	.01	8.76				
		.29	.03	20.4				
		.09	.01	2.62				
		.10	.01	4.60				
		.06	.01	1.32				
		.15	.02	6.40				
		.12	.01	7.56				
		.15	.01	2.66				
		.03	.01	.02				
		.12	.03	.34				
		1.01	.37	13.37				
3981		.15	.04	3.72				
3982		.59	.30	8.83				
3983		.05	.01	.12				
		.29	.05	.99				
		.57	.49	2.46				
		9.85	7.35	15.45				
		107.82	41.2	19.5				

ASSAYER

Handwritten signature

ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.
BOX 4518 WHITEHORSE V.T.

PHONE 667 2691

SAMPLE RECEIVED FROM

STANDARD SETTING SHEET

SAMPLE NO.	GOLD Oz. Per Ton	SILVER Oz. Per Ton	1710	2210			
		.10	.13	2.40			
		1.65	.83	.15			
		32.22	.18	.38			
		.83	.21	.81			
		20.52	1.10	6.60			
		.50	.87	.12			
		.15	.81	.83			
		.06	.72	.03			
		.22	.93	.82			
	.805	-	-	-			
		13.87	19.2	15.06			
		15.89	20.7	28.9			
		16.83	22.24	30.7			
		198.48	65.2	7.56			

Samples received July 12/74.

ASSAYER, *Richard H. Nelson*

ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.

BOX 4518 WHITEHORSE Y.T.

PHONE 667 2004

SAMPLE RECEIVED FROM

WATERBURY SILVER MINES

SAMPLE NO.	GOLD Oz. Per Ton	SILVER Oz. Per Ton	COPPER LBS	ZINC LBS				
10.78		.47	.11	1.22				
11.20								
11.21		.29	.03	.01				
11.22		.50	.01	.51				
11.23		.97	.05	.45				
11.24		.53	.43	.20				
11.25		.27	.03	2.28				
11.26		.09	.19	1.60				
11.27		.06	.02	.36				
11.28		1.03	1.50	4.63				
11.29		1.02	.75	24.65				
11.30		14.72	16.85	33.2				
11.31		.65	.50	9.33				
11.32		1.26	1.23	2.15				
11.33		.59	.30	.57				
11.34		.59	.20	12.2				
11.35		.06	.01	.52				
11.36		.65	.35	7.12				
11.37		1.03	.60	1.10				
11.38		.10	.00	.11				
11.39		5.07	2.25	2.28				
11.40		2.53	1.23	.16				
11.41		3.97	1.23	5.28				
11.42		.32	.02	.76				
11.43		1.10	.01	30.7				
11.44		.15	.01	1.02				
11.45		.06	.20	.03				
11.46		11.12	.77	5.76				
11.47		1.00	.03	.86				
11.48		.27	.03	4.16				
11.49		1.00	.34	7.32				
11.50		.12	.01	.01				
11.51		.12	.01	.56				
11.52		.21	.01	7.20				
11.53		.15	.01	.31				
11.54		.20	.03	11.62				
11.55		.01	.01	.33				
11.56		1.53	.20	1.40				
11.57		.00	.25	.17				
11.58		1.73	.07	.07				
11.59		2.91	2.90	7.60				
11.60		.59	.03	1.01				
11.61		.01	.03	.11				
11.62		.12	.03	.01				
11.63		1.25	.57	3.96				
11.64		10.71	2.51	11.15				
11.65		3.09	.50	2.72				
11.66		21.71	3.15	7.56				

ASSAYED

K. H. H. H. H. H.

DATE.

FILE NO.

ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.
BOX 4518 WHITEHORSE Y.T.

PHONE 667 2604

SAMPLE RECEIVED FROM

SAMPLE NO.	GOLD Oz. Per Ton	SILVER Oz. Per Ton	LEAD	ZINC			
1.24		.12	.61	.18			
1.25		1.12	.81	1.26			
1.26		.41	.83	2.88			
1.27		.44	.81	7.56			
1.28		.41	.85	.21			
1.29		15.45	11.10	7.60			
1.30		10.6	11.5	6.40			
1.31		2.65	1.90	5.20			
1.32		5.80	5.63	5.16			
1.33		.29	.88	.12			
1.34		29.80	4.85	7.56			
1.35		15.89	4.50	6.24			
1.36		.29	.83	.20			
1.37		1.18	.81	4.02			
1.38		.64	.83	.90			
1.39		.62	.81	3.18			
1.40		.21	.83	.96			
1.41		.08	.29	11.3			
1.42		.29	.83	5.28			
1.43		.13	.81	.62			
1.44		.74	.10	11.15			
1.45		.15	.83	.83			
1.46		.15	.10	1.56			
1.47		.32	.13	0.81			
1.48		0.24	4.95	10.24			
1.49		.59	.29	2.81			
1.50		.32	.13	.88			
1.51		74.56	27.4	22.6			
1.52		.32	.20	1.10			
1.53		.83	.90	1.78			
1.54		4.85	2.03	15.3			
1.55		47.4	42.2	7.80			
1.56		7.50	3.00	21.6			
1.57		14.6	21.9	1.90			
1.58		.77	.17	.27			
1.59		.15	.81	5.52			
1.60		14.29	10.37	14.1			
1.61		.12	.83	2.16			

ASSAYER

DATE. JULY 30, 1974.

FILE NO. 8515-70

ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.
BOX 4518 WHITEHORSE Y.T.

PHONE 667 2004

SAMPLE RECEIVED FROM

TINTINA SILVER MINES

SAMPLE NO.	GOLD Oz. Per Ton	SILVER Oz. Per Ton	LEAD	ZINC	COPPER			
4082	-	TR	.03	.09	-			
4083	-	.27	.05	9.60	-			
4084	-	.12	.03	.98	-			
4085	-	.32	.13	.29	-			
4086	TR	-	-	-	-			
4087	-	5.88	4.80	1.86	-			
4088	-	1.91	2.43	.18	-			
4089	-	.29	.55	.20	-			
4090	-	.29	.15	.31	-			
4091	-	.88	.49	2.00	-			
4092	-	.83	.44	13.49	-			
4093 *								
4094	-	1.00	1.05	10.92	-			
4095	-	2.21	.23	13.70	-			
4096	-	.15	.03	.22	-			
4097	-	.12	.01	.02	-			
4098	-	.15	.08	25.1	-			
4099 *								
4100	-	.62	.48	.45	-			
4101	-	.21	.05	.04	-			
4102	-	46.08	37.6	14.66	-			
4103	.005	122.56	6.30	35.0	.85			
4104	-	85.46	.47	4.92	-			
4105	-	705.92	3.08	11.28	-			
4106	-	4.41	1.05	36.2	-			
4107	-	14.32	11.41	10.6	-			
4108	-	.12	.07	.06	-			
4109	-	.97	.48	.77	-			
4110	-	1.21	2.03	3.78	-			
4111	-	1.32	3.53	10.92	-			
4112	-	.47	.39	12.2	-			
4113	-	.41	.25	1.54	-			
4114	-	.38	.15	.10	-			
4115	-	5.35	1.63	6.96	-			
4116	-	44.08	46.7	15.0	-			
4117	-	175.24	19.6	10.44	-			
4118	-	8.53	.23	12.51	-			
4119	-	1.56	.50	3.06	-			
4120	-	2.00	1.35	6.72	-			
4121	-	17.12	4.95	20.24	-			
4122	-	6.91	1.58	4.02	-			
4123	-	.44	.20	34.0	-			
4124	-	.88	1.40	23.8	-			
4125	-	1.00	.34	20.3	-			
4126	-	.15	.07	19.0	-			
4127	-	42.2	4.05	12.4	-			
4128	-	30.12	3.83	7.32	-			
4129	-	1.47	1.08	.68	-			

ASSAYER

ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.
BOX 4513 WHITEHORSE Y.T.

PHONE 667 2000

DATE. JULY 20. 1974.

FILE NO. 3415-70

SAMPLE RECEIVED FROM

TINTINA SILVER MINES

SAMPLE NO.	GOLD Oz. Per Ton	SILVER Oz Per Ton	LEAD	ZINC	COPPER			
4130	-	5.74	4.50	8.40	-			
4131	-	30.2	11.27	29.8	-			
4132	-	8.24	5.55	16.49	-			
4133	-	7.06	3.68	35.0	-			
4134	-	12.5	9.2	7.44	-			
4135	-	50.28	44.3	10.56	-			
4136	-	39.92	15.82	28.9	-			
4137	-	36.74	10.1	19.6	-			
4138	-	.94	.20	.02	-			
4139	-	24.32	19.7	2.54	-			
4140	-	23.2	20.0	14.6	-			
4141	-	13.56	12.9	13.3	-			
4142	-	15.44	11.6	17.3	-			
4143	-	29.84	27.1	19.7	-			
4144	-	1.06	.85	5.40	-			
4145	-	6.62	6.68	2.46	-			
4146	-	3.09	3.00	3.36	-			
4147	-	3.09	2.78	2.94	-			
4148	-	2.15	1.53	27.2	-			
4149	-	1.41	.95	.48	-			
4150	-	11.64	11.3	4.62	-			
4151	-	21.4	23.35	.84	-			
4152	-	1.03	.17	.14	-			
4153	-	.59	.58	5.40	-			

* TWO TAGS IN ONE BAG
HIGHER SAMPLE NUMBER TAKEN i.e. 4094 & 4100

ASSAYED

FILE NO. Addendum to 84-15-70



CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.
BOX 4518 WHITEHORSE Y. T.
PHONE 667 2694 Y1A 3B0

TINTINA SILVER MINES

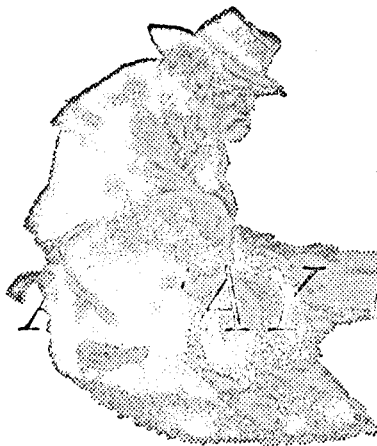
SAMPLE NO.	GOLD Oz. Per Ton	SILVER Oz. Per Ton	CADMIUM	ANTIMONY	BISMUTH			
L104			.03	.66	.01			
L105			.06	6.24	.01			
L123			.17	.02	.01			
L127			.06	.24	.01			
L143			.10	1.06	.01			

ASSAYER.

ASSAYER. A. Jordan to 4 bars

DATE. AUGUST 15, 1974.

FILE NO. 0400-26



ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.
BOX 4518 WHITEHORSE Y. T.
PHONE 667 2694 Y1A 2R0

SAMPLE RECEIVED FROM

TIMBER SILVER MINES AUGUST 9, 1974.

SAMPLE NO.	GOLD Oz. Per Ton	SILVER Oz. Per Ton	LEAD	ZINC				
1154		33.0	20.7	13.85				
1155		.06	.05	.01				
1156		2.21	2.13	7.92				
1157		.15	.05	1.40				
1158		.97	1.35	4.92				
1159		.21	.38	.62				
1160		.24	.07	3.30				
1161		.09	.03	.44				
1162		.06	.01	.02				
1163		.03	.01	.02				
1164		.03	.01	.01				
1165		7.50	6.38	23.9				
1166		1.38	.63	1.44				
1167		47.7	26.2	6.24				
1168		1.91	1.40	7.80				
1169		3.74	.45	6.60				

ASSAYER. K. Hayland for H. Hayland

DATE. AUGUST 19, 1974.

FILE NO. C-26-23

ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.
BOX 4518 WHITEHORSE Y.T.

PHONE 667 8604

SAMPLE RECEIVED FROM

TINTINA SILVER MINES

SAMPLE NO.	GOLD Oz. Per Ton	SILVER Oz Per Ton	LEAD	ZINC				
1270		3.59	1.50	7.44				
1271		4.32	1.43	4.08				
1272		.15	.01	1.64				
1273		.83	.30	2.00				
1274		.03	.01	.02				
1275		5.25	.15	2.58				
1276		5.29	.44	2.16				
1277		1.18	.52	6.72				
1278		.88	.75	.45				
1279		1.91	1.53	8.40				
1280		.21	.15	.16				
1281		15.89	.72	.57				
1282		1.47	.95	1.64				
1283		.77	.22	.54				
1284		.21	.07	1.36				
1285		.44	.43	.42				
1286		.15	.13	7.20				
1287		.03	.01	5.76				
1288		TR	.01	.49				
1289		.06	.03	.03				
1290		2.12	1.58	.53				
1291		.44	.05	4.50				
1292		1.62	.47	14.52				

ASSAYED

ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.
BOX 4518 WHITEHORSE Y.T.

PHONE 667 9000

DATE. AUGUST 23, 1974.

SAMPLE NO. 8519-34

TINTINA SILVER MINES

SAMPLE RECEIVED FROM

SAMPLE NO.	GOLD Oz. Per Ton	SILVER Oz. Per Ton	LEAD	ZINC				
8501		.03	.03	.06				
8502		4.12	3.90	1.18				
8503		27.6	8.25	7.68				
8504		.21	.13	.37				
8505		7.27	7.95	5.40				
8506		8.97	5.78	12.50				
8507		.06	.05	.12				
8508		.18	.23	.80				
8509		6.91	7.50	4.92				
8510		.15	.04	.43				
8511		6.24	.25	.69				
8512		.15	.14	.07				
8513		1.12	1.45	4.98				
8514		.68	.60	.62				
8515		20.64	7.65	6.12				
8516		.15	.08	.03				
8517		5.77	4.35	1.94				
8518		.38	.04	.87				
8519		6.76	1.88	10.6				
8520		.18	.09	.75				
8521		.06	.01	.58				
8522		.03	.03	1.30				
8523		1.03	.42	.35				
8524		.41	.15	1.32				
8525		31.08	27.3	1.24				
8526		1.09	1.24	.41				
8527		1.18	.60	3.36				
8528		.41	.33	.23				
8529		.50	.01	7.92				
8530		5.74	.13	10.1				
8531		3.68	7.50	3.30				
8532		.15	.13	.52				
8533		1.88	2.03	32.9				
8534		1.06	.98	41.9				

Samples received Aug. 21/74.

ASSAYER.

[Signature]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A2

ASSAY CALCULATION DATA

TINTINA SILVER MINES LTD. PROJECT

Hole No. 74-A4

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A8

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A9

Note: poor recovery, Samples 3831 and 3953

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A11

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A12

FOOTAGE		ASSAY DATA							
From	To	Sample No.	Width	Ag ^{oz.} /T	Pb %	Zn %	Ag x Ft.	Pb x Ft.	Zn x Ft.
12.2	15.0	3838	2.8	1.68	0.11	0.30			
15.0	18.0	3839	3.0	6.47	0.01	0.10	19.41	0.03	0.3
18.0	21.0	3840	3.0	(100.0) 134.2	0.13	0.37	(300.0) 402.6	0.39	1.11
123.0	129.5	3842	6.5	0.24	0.11	0.07			
15.0	21.0	Average	6.0	(53.24) 70.33	0.07	0.23	(319.41) 422.0	0.42	1.41

TINTINA SILVER MINES LTD. PROJECT

Date September 1974.

Hole No. 74-A13

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A14

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A16

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A17

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A19

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A20

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974.

Hole No. 74-A 23

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A23

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A24

24.7	49.6	Average	24.9	11.92	3.60	5.93	296.88	89.66	147.59
------	------	---------	------	-------	------	------	--------	-------	--------

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A25

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A26

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September/1974

Hole No. 74-A27

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-1A27

[illegible]

ASSAY CALCULATION DATA

Hole No. 74-A28

[illegible]

CONSULTANT GEOLOGIST

TINTINA SILVER MINES LTD. PROJECT

ASSAY CALCULATION DATA

Date September 1974

Hole No. 74-A29

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A30

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Hole No. 74-A31

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September

Hole No. 74-A32

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date *September 1974*

Hole No. 74-A33

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-1933

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A34

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A35

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A36

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A.37

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1994

Hole No. 74-A39

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Hole No. 74-A40

[illegible]

TINTINA SILVER MINES LTD. PROJECT.

Date September 1974

Hole No. 74-1741

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Hole No. 74-1942

[illegible]

__TINTINA SILVER MINES LTD. PROJECT -

Date September 1974

Hole No. 74-A43

[illegible]

..TINTINA SILVER MINES LTD. PROJECT -

Date September/1974

Hole No. 74-A44

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A45

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-A48

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September / 1974

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-B2

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-B3

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1/1974

Hole No. 74-B4

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-B5

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-B6

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-B7.

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-B8

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-B9

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-C1

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-C3

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-C4

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 11, 1974

Hole No. 74-C5

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-C6

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-D1

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-DZ

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-D6

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-D7

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-D8

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-D11

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-D14

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-D15

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TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-D16

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-D17.

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Hole No. 74-D18

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-D19

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1979

Hole No. 74-D20

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-D21

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-D22

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-D23

[illegible]

TINTINA SILVER MINES LTD. PROJECT

Date September 1974

Hole No. 74-D26

[illegible]

R.B. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Eagle 4</u>	Strike <u>---</u>	Lat. <u>~ 120° 1199 Z</u>	Hole No. <u>74-A1</u>
Date <u>June 21 1974</u>	Section No. <u>9+50E</u>	Dip <u>-90°</u>	Dep. <u>~ 950.0</u>	Total Depth <u>148</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-A</u>	Level <u>74-A-5-A1</u>	Elev. <u>5336.4</u>	Page No. <u>1 of 3</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION										ASSAY DATA						
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL							
0	16.5	BLACK ARGILLITE 0-8' - highly broken, rusty 3' recovery 8-16.5 - 100% recovery - foliation varies between 30 & 45° to core axis - pyritic (also pyrrhotite) - in narrow veinlets (fracture fillings), small disseminated patches and very locally finely disseminated, to 20% - also clean fractures and small veinlets of calcite, sometimes with chlorite. - stromer fractures, 20-40° to core axis - 1/2" to 8" spacing - somewhat lighter colour towards contact, similar intensity of dissemination	py (po)	2-5															

R.G. MILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY TINTINA SILVER

Date June 21 19 74

Logged By G. Carlson

Claim No. _____

Section No. _____

Plan No. _____

Strike _____

Dip _____

Level _____

Lat. _____

Dep. _____

Elev. _____

Hole No. 74-A1

Total Depth 14.8

Page No. 28/3

[illegible]

R.B. PILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-A1</u>
Date <u>June 21</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>148</u>
Logged By <u>C. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3</u> / <u>3</u>

[illegible]

R.G. MILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Flag 4</u>	Strike <u>N 24° E</u>	Lat. <u>~ 1203.6</u>	Hole No. <u>74-172</u>
Date <u>June 21</u> 19 <u>74</u>	Section No. <u>9150E</u>	Dip <u>45°</u>	Dep. <u>950.0</u>	Total Depth <u>136</u>
Logged By <u>C. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A1</u>	Elev. <u>5336.4</u>	Page No. <u>13</u>

[illegible]

R.E. MILKEN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike <u>N 20° E</u>	Lot. _____	Hole No. <u>74-A2</u>
Date <u>June 21</u> 19 <u>74</u>	Section No. _____	Dip <u>- 45°</u>	Dep. _____	Total Depth <u>136</u>
Logged By <u>C. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 3</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%Cu Ag	%Fe Pb	MOLY Zn	AU/AG	INSOL.
47	91	LIMESTONE - mottled, light grey ("orange weathering") - white banding at approx. 50° to core axis.										
		62- SULFIDES.										
		62-64.1 - rusty limestone with up to 30% ga (galena) + 1% sphalerite with minor sl (sphalerite) and to 1% cp (chalcopyrite)	ga sl, cp	30 -1								
		64.1-66.5 - as above but 10-15% sl, no visible ga or cp.	sl	10-15								
		Assays										
		61-62	—	—	3801	1	1	0.35	0.09	0.08		
		62-64.1	ga (sl/cp)	30	3802	2.1	2.1	95.24	12.3	20.41		
		64.1-66.5	sl	10-15	3803	2.4	2.4	0.86	0.15	6.60		
		66.5-67.5	—	—	3804	1	1	0.12	0.05	0.02		

R.B. HILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINIL SILVER</u>	Claim No. _____	Strike <u>N 13° E</u>	Lat. _____	Hold No. <u>74-11</u>
to <u>June 21</u> 19 <u>74</u>	Section No. _____	Dip <u>-45°</u>	Dep. _____	Total Depth <u>136</u>
Recorded By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3 of 3</u>

[illegible]

R.B. HILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>Timothy Smith</u>	Claim No. <u>Engle 4</u>	Strike <u>N 24° E</u>	Lat. <u>1202.3</u>	Well No. <u>74-13</u>
Date <u>June 25</u> 19 <u>74</u>	Section No. <u>9+50 E</u>	Dip <u>-10°</u>	Dep. <u>950.0</u>	Total Depth <u>108</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A1</u>	Elev. <u>5336.9 5336.9</u>	Page No. <u>1</u>

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R.B. HILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>Tinian Island Sugar</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>78-113</u>
is <u>June 28</u> 19 <u>77</u>	Section No. _____	Dip _____	Dip. _____	Total Depth <u>1083</u>
logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>213</u>

[illegible]

R.B. MILKIN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TIMBER SPRING</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>78-A3</u>
Date <u>JUNE 25</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>100'</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3673</u>

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1904. 11. 10. 11.
 DEPARTMENT OF AGRICULTURE
 WHITEHOUSE YUKON TERRITORY

PROPERTY <u>TIMBER SAW</u>	Claim No. <u>Single 4</u>	Strike <u>N 10° E</u>	Lot. <u>121.00</u>	Hole No. <u>7A-A4</u>
Date <u>June 25</u> 19 <u>74</u>	Section No. <u>9-000</u>	Dip <u>-55°</u>	Dep. <u>990.0</u>	Total Depth <u>100</u>
Logged By <u>C. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A 2</u>	Elev. <u>5331.0 5331.0</u>	Page No. <u>1/3</u>

[illegible]

R.G. MILNER
CONSULTING GEOLOGIST
WHITEMORSE YUKON TERRITORY

PROPERTY <u>TARRANT SILVER</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>79-A4</u>
Date <u>June 25</u> 19 <u>78</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>100</u>
Logged By <u>G. Cochran</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 3</u>

[illegible]

ALLEN, WILLIAM
GEOLOGICAL ENGINEER
WHITEHORSE YUKON TERRITORY

PROPERTY <u>Tulsa Sulphur</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>74-AB</u>
Date <u>June 25</u> 19 <u>24</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>100</u>
Logged By <u>C. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3 of 3</u>

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R. G. MILLER
 CONSULTING ENGINEER
 WHITEHORSE YUKON TERRITORY

PROPERTY <u>TWINA SUMMIT</u>	Claim No. <u>Engl. 4</u>	Strike <u>N 25° E</u>	Lat. <u>119° 5'</u>	Hole No. <u>79-A5</u>
Date <u>June 25</u> 19 <u>74</u>	Section No. <u>9+00E</u>	Dip <u>-75°</u>	Dep. <u>8190.0</u>	Total Depth <u>76</u>
Logged By <u>G. Cooper</u>	Plan No. <u>74-A</u>	Level <u>S-A2</u>	Elev. <u>5330.0 5331.0</u>	Page No. <u>142</u>

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79. 11. 1991

PROPERTY Industrial Silver

Date June 25 19 74

Logged By G. Carlson

Claim No. _____

Section No. _____

Plan No. _____

Strike _____

Dip _____

Level _____

Lat. _____

Dep. _____

Elev. _____

File No. 77-25

Total Depth 76

Page No. 2 of 7

FOOTAGE		
From	To	

ROCK CLASSIFICATION
EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TRENO. CHLO.
CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE

MINERALIZATION

ASSAY DATA

TYPE

54

SAMPLE NO.

WIDTH

RECOV.

%Cu	
-----	--

%FE

MOLY

AU/AG

INSOL

48.6	76
------	----

ARGILLACEOUS LIMESTONE

- typical dense, fine grained, dark grey, light foliation at approx. 60° to line axis.

- pyroxenite rather abundant
5-7%, locally to 10% - finely
disseminated, fine stringers and
coarser patches, to 1/4" diameter

76

END OF HOLE

CANADIAN
DEPARTMENT OF GEOLOGY
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Block 4</u>	Strike <u>N 70° E</u>	Lat. <u>117° 41'</u>	Hole No. <u>74-146</u>
Date <u>June 20</u> 19 <u>74</u>	Section No. <u>2+05E</u>	Dip <u>-80°</u>	Dep. <u>896.8</u>	Total Depth <u>78</u>
Logged By <u>G. Carson</u>	Plan No. <u>74-A</u>	Level <u>S-A2</u>	Elev. <u>5331.0</u>	Page No. <u>1</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
0	46.3	2	LIMESTONE - typical - light grey, mottled 0-11.5 - 3' recovery, highly broken, some quartz veining. 18-22 - relatively strong shearing and alignment of white aggregates, 50° to core axis.										
46.3	78	1	ARGILLACEOUS LIMESTONE - skarn and limestone zone near top, but darker grey colour (1b) - 48 - light shearing at 80° to core axis. - 57-78 - mainly argillaceous unit to - pyroclastic flow, fairly typical to an and also some quartz veins	po ep	1-5 tr.								

DEPARTMENT OF MINES
WHITEHORSE, YUKON TERRITORY

PROPERTY <u>TINIAN SUMMIT</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>78-17</u>
Date <u>June 26</u> 19 <u>78</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>85</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 2</u>

[illegible]

PROPERTY <u>TONTONA SILVER</u>	Claim No. <u>Engle 1</u>	Strike <u>88° E</u>	Lot. <u>12-22-2</u>	Hole No. <u>77-A</u>
Date <u>June 25</u> 19 <u>74</u>	Section No. <u>94505</u>	Dip <u>-60°</u>	Dep. <u>950.5</u>	Total Depth <u>107</u>
Logged By <u>C. Carlson</u>	Plan No. <u>74-19</u>	Level <u>S-A3</u>	Elev. <u>5318.2</u>	Page No. <u>1 of 2</u>

[illegible]

CONSULTING ENGINEER
WHITEHORSE YUKON TERRITORY

PROPERTY <u>Tiutina Super</u>	Claim No. _____	Strike _____	Lat. _____	Holo No. <u>78-15</u>
Date <u>June 26</u> 19 <u>24</u>	Section No. _____	Dip _____	Dip. _____	Total Depth <u>107</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 3</u>

[illegible]

1250 MILLIKEN
CHANDLERFIELD COUNCILMAN
WHITEHOUSE YUKON TERRITORY

PROPERTY <u>TUMULA SURR</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-10</u>
Date <u>June 26</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>107</u>
Logged By <u>G. C. C. C.</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3-13</u>

[illegible]

R.G. MILKEN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TANTANA SILVER</u>	Claim No. <u>Frangle 1</u>	Strike <u>N 25° E</u>	Lat. <u>1218.5</u>	Hole No. <u>74-A9</u>
Date <u>June 29</u> 19 <u>74</u>	Section No. <u>9-506</u>	Dip <u>-45°</u>	Dcp. <u>950.5</u>	Total Depth <u>78</u>
Logged By <u>C. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A3</u>	Elev. <u>5318.2</u> <u>5222.8</u>	Page No. <u>1 of 3</u>

[illegible]

R. F. ALKEN
CONSULTING GEOLOGIST
WHITEHORSE, YUKON TERRITORY

PROPERTY <u>TIMOTHY SINGER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>71-12</u>
Date <u>June 30</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>70</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 3</u>

[illegible]

PROPERTY Trinidad Sugar

Date June 30 19 98

Logged By G. Carlson

Claim No.

Section No.

Plan No.

Strike

Dip

Level

Lat.

Deed

Flas

File No. 74-119

Total Depth 783

Page No. 3013[illegible]

R.E. HILZEM
CONSULTING BIOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>71-110</u>
Date <u>June 30</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>99</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 2</u>

[illegible]

F.L.B. THOMPSON
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>LINDEN SILVER</u>	Claim No. <u>Eagle 2</u>	Strike <u>N 20° E</u>	Loc. <u>1202.2</u>	Hole No. <u>74-A</u>
Date <u>June 30</u> 19 <u>74</u>	Section No. <u>94005</u>	Dip <u>-70°</u>	Dop. <u>8990</u>	Total Depth <u>56</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A4</u>	Elev. <u>5313.6</u>	Page No. <u>142</u>

FOOTAGE				ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To				TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INSOL
0	5			CASING/OVERBURDEN										
5	14	2		LOWER LIMESTONE - typical, broken near top, lightly rusted on fracture surfaces										
14	21.5	S		SULFIDE ZONE 14-20.5 - rather highly broken, rusty limestone with up to 50% disseminated sl, ga, po 20.5-21.5 - leached, Fe oxide, orange-brown color.										
				Assay:										
				14.0-15.5	sl, ga, po	2-5	3835	1.5	1.5	0.06	0.01	0.15		
				15.5-17.0	"	"	3835	3.5	3.5	0.29	0.01	0.07		
				17.0-20.5	"	"	3835	1.5	1.5	0.38	0.01	0.34		
				20.5-21.5	"	"	3835	1	1	0.29	0.08	1.26		

R.B. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTON'S SILVER</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>21-111</u>
Date <u>June 30</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>56</u>
Logged By <u>G. Condon</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 2</u>

[illegible]

R.S. WALSH
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TWINA SILVER</u>	Claim No. <u>Engle</u>	Strike <u>N70°E</u>	Lat. <u>1268.4</u>	Hole No. <u>74-A1</u>
Date <u>June 30</u> 19 <u>74</u>	Section No. <u>94005</u>	Dip <u>-50°</u>	Dep. <u>299.0</u>	Total Depth <u>207</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A4</u>	Elev. <u>5313.6</u>	Page No. <u>1 of 3</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INSOL
0	5		CASING / OVERBURDEN										
5	12.2	2	LOWER LIMESTONE - typical but rather massive, not abundantly seamed with white calcite										
12.2	21	5	SULFIDE ZONE 12.2-15 - limestone with minor sl, ga. 15-18 - highly oxidized section, few visible sulfides. 18-21 - limestone with abundant quartz veins, locally rusty, barren of sulfides.										
			Assay: 12.2-15.0	sl, ga	1-5	3030	1.0	1.9	1.68	0.11	0.30		
			15.0-18.0	"	40	3039	3	2	6.97	0.01	0.10		
			18.0-21.0	aq	40	3040	3	3	184.2	0.13	0.37		

R.S. MILKEN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>LINTULA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-112</u>
Date <u>June 30</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>207</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2/3</u>

[illegible]

R.G. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SUMMIT</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>74-012</u>
Date <u>June 20</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>207</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>343</u>

[illegible]

R.B. FALKNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILLER</u>	Claim No. <u>Engl: 3</u>	Strike <u>N 45° E</u>	Lat. <u>124.5</u> <u>998.0</u>	Hole No. <u>74-A13</u>
Date <u>July 1</u> 19 <u>74</u>	Section No. <u>104115</u>	Dip <u>-90°</u>	Dep. <u>8000</u> <u>5318.4</u>	Total Depth <u>92-</u>
Logged By <u>C. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A5</u>	Elev. <u>5318.4</u> <u>5000</u>	Page No. <u>142</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA						
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG
0	10		OVERBURDEN / CASING									
10	19.5	3	BLACK ARGILLITE - dense, fine grained, foliation at approx. 45° - py/po with calcite mainly finely disseminated, few coarse patches and stringers to 1/2 inch wide									
19.5	46.3	2	LIMESTONE (LOWER) - mottled - stringers mainly folded & fractured, discontinuous - light banding at 55° to core axis									
46.3	47.3	S	SULFIDE ZONE - limestone with 1-3% ga. - fracture filling	ga								
			Assay: 46.3-47.3	ga	1.3	3006	1	1	0.88	0.38	0.01	

R.B. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>29-113</u>
Date <u>July 1</u> 19 <u>79</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>92</u>
Logged By <u>G. Carben</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 2</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INS
47.3	50.5	2	LOWER LIMESTONE - typical, concentric trace of										
50.5	51.5	5	SULFIDE ZONE - limestone with 40% sl, 40% ss	sl									
			49.5 - 50.5	-	-	3845	1	1	0.12	0.05	0.06		
			Assay: 50.5 - 51.5	4/92	40/10	3896	1	1	19.12	5.25	22.3		
			51.5 - 52.5	sl	4r	3897	1	1	0.15	0.14	0.04		
51.5	62.5	2	LOWER LIMESTONE - increase in younger, undisturbed calcite stringers below sulfide zone										
62.5	92	1	GRY ARGILLITE 62.5 - 63.4 - dense, fine argillaceous with po band at top 63.4 - 65.2 - calcareous quartzite / dense - also 65.4 - 66.1; 71.3 - 73 (this one is ss) 90 - 92 - ss - 15°	po	3-5								

R.G. HILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Eagle 3</u>	Strike <u>N 28° E</u>	Lat. <u>1263.4</u> <u>998.0</u>	Hole No. <u>74-A-19</u>
Date <u>July 1</u> 19 <u>78</u>	Section No. <u>10+00E</u>	Dip <u>— 50°</u>	Dep. <u>898.2</u> <u>5318.4</u>	Total Depth <u>100</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A5</u>	Elev. <u>5203.0</u>	Page No. <u>144</u>

[illegible]

BEAVERLEY C. LAMBERT
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TERRANA SURVEY</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>79-A10</u>
Date <u>July 1</u> 19 <u>78</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>100</u>
Logged By <u>C. Coates</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2-A10</u>

[illegible]

R.G. HALLIDAY
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TWINA SURVEY</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>74-A19-</u>
Date <u>July 1</u> 19 <u>78</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>108</u>
Logged By <u>C. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3 of 4</u>

[illegible]

R.G. WILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TIMBERLAKE SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>14-A19</u>
Date <u>July 1</u> 19 <u>74</u>	Section No. _____	Dip _____	Dip. _____	Total Depth <u>100</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>4 of 4</u>

[illegible]

R.G. MILLEN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TIMBER SILVER</u>	Claim No. <u>Engle 3</u>	Strike <u>N.20°E</u>	Lat. <u>126.1.7</u>	Hole No. <u>74-A15</u>
Date <u>July 1</u> 19 <u>74</u>	Section No. <u>164006</u>	Dip <u>-70°</u>	Dep. <u>998.0</u>	Total Depth <u>76</u>
Logged By <u>G. Coulson</u>	Plan No. <u>74-A</u>	Level <u>S-A5</u>	Elev. <u>5318.4</u>	Page No. <u>1/2</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INSOL
0	10		OVERBURDEN / CASING										
10	18.2	3	BLACK ARGILLITE - highly broken, lightly rusted, foliation at 70° to core axis.	po	1-3								
18.2	39.7	2	LOWER LIMESTONE 5" 37.0 - 1 inch barrel galena. - light banding at 40° to core axis.										
39.7	40.5	5	SULFIDE ZONE - approximately 5" rusty zone with 20% ga, minor sl.	ga	2								
			ASSAY: 39.7-40.5	ga	20	3856.8		.8	9.56	8.22	1.96		

R.G. WILKEN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>79-115</u>
Date <u>July</u> 19 <u>78</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>76</u>
Logged By <u>G. Benson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u> / <u>3</u>

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R.G. MILKEL
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WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Expto 2</u>	Strike <u>—</u>	Lat. <u>1254.7</u>	Hole No. <u>22-A</u>
Date <u>July 1</u> 19 <u>74</u>	Section No. <u>04505</u>	Dip <u>-90°</u>	Dep. <u>829.4</u>	Total Depth <u>58</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A6</u>	Elev. <u>5314.1</u>	Page No. <u>1 of 2</u>

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WHITEHORSE YUKON TERRITORY

PROPERTY <u>INDIANA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-A16</u>
Date <u>July 1</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>56</u>
Logged By <u>G. Carls</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 2</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA					
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn
			ASSAY: 18.6 - 19.6	-	-	3857	1	1	0.15	0.01	0.10
			19.6 - 20.6	po, sl, ga	5-15	3858	1	1	0.15	0.04	0.22
			20.6 - 21.6	"	"	3859	1	1	0.21	0.04	0.01
			21.6 - 23.4	"	"	3860	1.8	1.8	0.18	0.03	1.56
			23.4 - 24.4	sl, ga	50	3861	1	1	0.59	0.27	23.8
			24.4 - 26.4	po, sl, ga	10-15	3862	2	2	0.15	Tr.	0.27
			26.4 - 27.4	-	-	3863	1	1	0.21	0.05	0.01
26.4	32.5	2	LOWER LIMESTONE - strongly seamed, light rust on fractures - lightly foliated at 30-40° to axis.								
32.5	56	1	GRAY ARGILLITE 32.5 - 37 - mainly quartzitic, lightly rusted throughout. 45 - foliation at 55° to core axis. 49 - 6" breccia - 30% ss + po								

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WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Engle 2</u>	Strike <u>N 20° E</u>	Lot. <u>1253.2</u>	Hole No. <u>74-A17</u>
Date <u>July 3</u> 19 <u>74</u>	Section No. <u>849E</u>	Dip <u>-45°</u>	Dep. <u>849.4</u>	Total Depth <u>78</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-AB</u>	Elev. <u>5314.1</u> 5315.7	Page No. <u>1 of 2</u>

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WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>74-A17</u>
Date <u>July 3</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>28</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>242</u>

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WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>77-A18</u>
Date <u>July 3</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>104'</u>
Logged By <u>G. Cook</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 3</u>

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WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lot. _____	Halo No. <u>74-A18</u>
Date <u>July 3</u> 19 <u>78</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>108</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>343</u>

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WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Page 1</u>	Strike <u>N 28° E</u>	Lat. <u>1289.5</u>	Hole No. <u>74-M19</u>
Date <u>July 3</u> 19 <u>24</u>	Section No. <u>9150E</u>	Dip <u>- 45°</u>	Dep. <u>951.5</u>	Total Depth <u>178</u>
Logged By <u>G. Coulson</u>	Plan No. <u>74-A</u>	Level <u>S-A7</u>	Elev. <u>5283.1</u>	Page No. <u>1 of 6</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION					ASSAY DATA				
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INSOL.
0	13		CASING / OVERBURDEN										
13	25.9	2	LOWER LIMESTONE - quite strongly seamed with white calcite, especially near top.										
25.9	31.3	5	SULFIDE ZONE 25.9 - 28.5 - limestone with 5-15% sl + ga (sl. dominant) 28.5 - 30.2 - c ~ 50% sl in limestone 30.2 - 31.3 - 10-30% sl. in limestone										
Assay: 24.9 - 25.9				sl/ga	tr.	3867	1	1	0.15	0.15	0.40		
25.9 - 28.5				sl/ga	5-15	3868	2.6	2.1	0.47	0.45	3.96		
28.5 - 30.2				sl	50	3869	1.7	1.7	0.74	0.64	20.4		
30.2 - 31.3				sl	10-20	3870	1.1	1.1	0.44	0.32	4.46		
31.3 - 32.2				-	-	3871	1	1	0.44	0.38	0.20		

R.G. MILKEN
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WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>79-A19</u>
Date <u>July 4</u> 19 <u>79</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>178</u>
Logged By <u>G. Carter</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 6</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL.
31.3	50.9 48.9	2	LOWER LIMESTONE - seaming most abundant in top 7 ft - 47.5-48.9 - minor po.										
50.9	48.9 56.8	5	SULFIDE ZONE 50.9-51.7 48.9 - 48.9-49.7 - limestone with 10% sl, minor po 51.7-53.1 - limestone with 50% sl. 53.1-55.1 - 2 inch seam sl., sulfides very minor elsewhere. 55.1-56.1 - 10% sl, 5% ga, in limestone 56.1-56.8 - 5% ga, 5% sl, tr op.										

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WHITENORSE YUKON TERRITORY

PROPERTY <u>Twin Lake Silver</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-A19</u>
Date <u>July 3</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>178</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Pegs No. <u>346</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Fe	Mn	AU/AG	INSOL.
			ASSAY: 49.9-50.9	po, sl	1	3872	1	1	0.03	0.01	0.01		
			50.9-51.7	sl (p)	10	3873	0.8	0.8	0.15	0.08	5.04		
			51.7-53.1	sl	50	3874	1.4	1.4	0.15	0.01	22.3		
			53.1-55.1	sl (p)	1-3	3875	2.0	2.0	0.29	0.07	5.28		
			55.1-56.1	sl/ga	10/5	3876	1.0	1.0	2.47	2.85	11.17		
			56.1-56.8	sl/ga	5/5	3877	0.7	0.7	10.44	9.55	9.49		
			56.8-57.8	sl, ga	tr.	3878	1.0	1.0	2.35	1.14	0.33		
57	67	3	BLACK ARGILLITE - strongly distorted along foliation - abundant quartz - stringers and patches, often with pyrite (tr. ep locally) - very intricate small scale folding and fracturing of veinlets evident, suggest 2 or 3 ages of veining, 2 or 3 ages of deformation. (note 64-65' to interesting deformation feature - calcite cements to fill tension cracks in eastern argillite block, suggests late folding, with calcite - 1974)	py clp	3-5 tr.								

R.B. MILKEN
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WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-A19</u>
Date <u>July 3</u> 19 <u>74</u>	Section No. _____	Dip _____	Dip. _____	Total Depth <u>178</u>
Logged By <u>T. C. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>4.16</u>

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WHITEHORSE YUKON TERRITORY

PROPERTY <u>TWISTED SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>79-A19</u>
Date <u>July 3</u> 19 <u>79</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>178</u>
Logged By <u>G. Carter</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>546</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE	MINERALIZATION		ASSAY DATA							
From -	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	#Cu Ag	#Fe Pb	#Mn Zn	AU/AG	IN SOL.
			99-100 - finely interbedded siliceous layers (stringers?) complexly folded + faulted. - banding evident throughout lower part of section, locally often at right angles to foliation. - foliation light, at 60-70° to core axis										
122	123.5	2	LIMESTONE - 2" 75% po. at top of contact.										
123.5	129	3	BLACK ARGILLITE										
129	130	5	SULFIDE ZONE - top of limestone contact 129-129.5 - siliceous rock, minor argillite at top. - epigenetic - 30% 129.5-130 - acid gal. po. - 80% in limestone										
				ant 1	Ant 1	200g	1	1	1.5%	1.5%	1.5%		

R.B. MILKIN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTONIA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>77-119</u>
Date <u>July 2</u> 19 <u>77</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>178</u>
Logged By <u>C. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>676</u>

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R.B. WALKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TIMBER SILVER</u>	Claim No. <u>Engle 1</u>	Strike <u>N 20° E</u>	Lot. <u>1399.5</u>	Hole No. <u>77-A20</u>
Date <u>July 4</u> 19 <u>78</u>	Section No. <u>9+50 E</u>	Dip <u>-65°</u>	Dep. <u>951.5</u>	Total Depth <u>198</u>
Logged By <u>C. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A7</u>	Elev. <u>5283.1</u>	Page No. <u>1 of 2</u>

FOOTAGE				ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To				TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INSC
0	11				CASING / OVERBURDEN									
11	23.8	2			LOWER LIMESTONE - strongly seamed, brecciated.									
23.8	29	1			RED GREY ARGILLITE - - fine grained, light grey, 1/2 in. 70 - rich seam at top.									
29	47	2			LOWER LIMESTONE - strongly seamed, local breccia.									
47	49.8				SULPHIDE ZONE - 47-48.5 limestone with 3.5% py, 1.5% chalc. - 48.5-49.6 limestone with 5.2% py, 1.5% chalc.									
					Assay: 47-48.5	py/d	3.5%	38800	1.5	15	0.16	0.13	0.49	
					48.5-49.6	py/d	5.2%	38801	1.1	11	0.15	0.01	2.72	
					49.6-50.1	py/d	1.5%	38802	1.0	10	0.15	0.01	0.57	

BUREAU OF LANDS
GEOLOGICAL SURVEY
WASHINGTON, D. C. 20240

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>79-A20</u>
Date <u>July 5</u> 19 <u>78</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>192</u>
Logged By <u>B. Coleman</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 2</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INCO.
49.9	51.3	3	BLACK ARGILLITE - po with quartz quite abundant.	po	5								
51.3	130	2	LOWER LIMESTONE. - typical, locally quartz with chalcite stringers - 90 - 2" band BLACK ARGILLITE. - local foliation quite well developed at 70-80° to axis.										
130	148	1	GREY ARGILLITE - 130-131 - fine, light grey, po bands top and bottom - 131-132 - siliceous shales? - 132-133.5 - coarsely crystalline - 133.5-139.5; 140-143 - fossiliferous siliceous shales, some with small chalcite nodules.	po	5-7								

*****TERRITORY YUKON TERRITORY

1872-

LOWER LIMESTONE
- strata with highly distorted,
with fragmented or breccia
appearance
- bedded locally, 10-20 ft across

D.B. MILLER
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WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>79-B-24</u>
Date <u>July 5</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>92</u>
Logged By <u>C. Carlson.</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

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U.S. MILNER
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WHITEHORSE YUKON TERRITORY

PROPERTY <u>Tulosa Silice</u>	Claim No. <u>Bay 1</u>	Strike <u>N 73° E</u>	Lat. <u>15673</u>	Hole No. <u>74-A32</u>
Date <u>July 5</u> 19 <u>78</u>	Section No. <u>8+50R</u>	Dip <u>-45°</u>	Dep. <u>854.7</u>	Total Depth <u>158</u>
Logged By <u>C. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A8</u>	Elev. <u>5279.1</u> 5277.7	Page No. <u>1 of 3</u>

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WHITEHORSE YUKON TERRITORY

Page No. 278

— 'jigsaw' breccia zones are in general darker grey than the more massive 'intilled' limestones and the two are often separated by a fairly distinct contact.

**D.O. MILLER
CONSULTING ENGINEER
WHITEHORSE YUKON TERRITORY**

PROPERTY <u>VIATINA SURVEY</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-833</u>
Date <u>July 5</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>154</u>
Logged By <u>G. Carter</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3873</u>

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PL. 03. MALIKIN
GOSBUDTSE BUDGETARY
WHITEHORSE YUKON TERRITORY

PROPERTY <u>Tiutima Sound</u>	Claim No. <u>Single</u>	Strike <u>-</u>	Lat. <u>12-24-1</u>	Hole No. <u>28-A33</u>
Date <u>July 5</u> 19 <u>78</u>	Section No. <u>5405</u>	Dip <u>-90°</u>	Dep. <u>509.5</u>	Total Depth <u>100</u>
Logged By <u>C. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A9</u>	Elev. <u>5293.4</u>	Page No. <u>175</u>

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R.L. WILKINSON
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WHITEHORSE YUKON TERRITORY

PROPERTY <u>TITIMA SILVER</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>74-A03</u>
Date <u>July 5</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>108</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 5</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA					
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn
		20.5 - 22.0: limestone with 40% sl, 10% ga								
		22.0 - 23.3 - limestone with 5% sl, less ga, py?, or?								
		23.3 - 24.5 - limestone with 20% sl, 10% ga, 5% fr., tr. ep.								
		24.5 - 32.7 - limestone, quite strongly brecciated, with 5-10% po, local ga, sl.								
		ASSAY 16.4 - 16.9	py, po, gr	5	3883	0.5	0.5	3.38	1.35	0.74
		16.9 - 18.0	ga/sl/tr/py	15/10	3884	1.1	1.1	27.9	23.6	22.5
		18.0 - 19.4	ga/sl/tr/py	15/10	3885	1.4	1.4	22.52	31.0	10.95
		19.4 - 20.5	ga/sl	10/10	3886	1.1	1.1	5.88	5.25	7.92
		20.5 - 22.0	sl/ga	40/10	3887	1.5	1.5	10.29	8.83	18.41
		22.0 - 23.3	sl/ga/py	5/5	3888	1.3	1.3	0.50	0.23	2.88
		23.3 - 24.5	sl/ga/tr/py	15/10	3889	1.2	1.2	11.54	14.03	12.2
		24.5 - 26.5	py/ga/sl	50/10	3890	2.0	2.0	7.0	7.16	1.60
		26.5 - 27.1	"	"	3891	1.1	1.1	3.71	2.40	0.80
		27.1 - 27.2	"	"	3892	0.5	0.5	0.77	1.99	1.09
		27.2 - 27.3	"	"	3893	0.5	0.5	0.10	0.01	0.17

R.B. MILLER
CONSULTING ECOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SUMMER</u>	Claim No. _____	Strike _____	Lat. _____	Note No. <u>74-1023</u>
Date <u>July 6</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>108</u>
Logged By <u>G. Carden</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3 of 5</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL.
32.7	43.2	1	GREY ARGILLITE	po	3-7								
			:27-335 - light grey argillite, 1/2" po. band at top.										
			33.5-35 - siliceous, lightly foliated										
			- quartz stringers with po present throughout section.										
43.2	80.7	5	SULFIDE ZONE / LIMESTONE										
			-43.2-46.2 - limestone with minor argillite, quartz stringers - minor (5-10%) disseminated po, ga - also locally concentrated stringers.										
			-46.2-48 - limestone with quartz stringers - 10% or more, white, id. stringer and limestone.										

R.O. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TIMBERLAK SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-123</u>
Date <u>July 7</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>128</u>
Logged By <u>R. Condon</u>	Plan No. _____	Level _____	Elev. _____	Pega No. <u>4-6/5</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA					
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn
		48-58.5 - limestone with 10% sl, 2-5% ga								
		58.5-76.3 - 20-30% sl, 5% ga								
		76.3-81.0 - limestone with 1% sl, minor ga, po								
		ASSAY: 42.9-43.9	po, ga	tr	3894	1.0	1.0	1.27	0.29	0.08
		43.9-46.3	po, ga	5/10	3895	2.4	2.4	3.56	2.25	0.24
		46.3-48.2	92% sl 8% ga	10/10	3896	1.9	1.9	7.9	3.90	3.90
		48.2-50.2	sl/ga	10/5	3897	2.0	2.0	0.35	0.08	6.12
		50.2-52.0	sl/ga	5/1	3898	1.8	1.8	0.06	0.03	5.52
		52.0-53.5	sl/ga	15/5	3899	1.5	1.5	0.12	0.03	10.48
		53.5-55.4	sl/ga	05/1	3900	1.9	1.9	0.09	0.03	0.63
		55.4-57.6	sl/ga	10/5	3901	2.2	2.2	Tr	0.01	6.00
		57.6-58.5	sl/ga	75/5	3902	0.9	0.9	0.06	0.01	0.74
		58.5-60.5	sl/ga	20/5	3903	2.0	2.0	0.15	Tr	10.0
		60.5-62.5	sl/ga	20/5	3904	2.0	2.0	0.13	Tr	14.6
		62.5-64.5	sl/ga	20/5	3905	2.0	2.0	0.09	0.01	14.6
		64.5-66.1	sl/ga	20/5	3906	0.6	0.6	0.06	0.01	4.08
		66.1-67.5	sl/ga	20/5	3907	1.5	1.5	0.29	0.03	20.45
		67.5-68.9	sl/ga	10/5	3908	1.2	1.2	0.12	0.01	6.72
		68.9-70.0	sl/ga	10/5	3909	1.0	1.0	0.13	0.03	2.69

R.B. MILLEN
CONSULTING BIOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TWINDA SILVER</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>71-A33</u>
Date <u>July 7</u> 19 <u>24</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>100</u>
Logged By <u>G. C. Carter</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>545</u>

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**U.S. INDIAN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY**

PROPERTY <u>TINTINA SURVEY</u>	Claim No. <u>Page 2</u>	Strike <u>N 25° E</u>	Lat. <u>19 25 7</u>	Hole No. <u>74-A21</u>
Date <u>July 7 19 74</u>	Section No. <u>8150E</u>	Dip <u>-65°</u>	Dep. <u>849.5</u>	Total Depth <u>108</u>
Logged By <u>C. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A9</u>	Elev. <u>5293.4</u> <u>5378.0</u>	Page No. <u>184</u>

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R.B. HILKER
CONSULTING GEOLOGIST
 WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-424</u>
Date <u>July 7</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>100</u>
Logged By <u>G. Condon</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 4</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INSOL
		26.2 - 27.9 - mainly quartz vein, some limestone, 5% gal, 5% po.										
		27.9 - 28.9 - limestone with 2" seam of 100% ga. - avg 30% ga, 15% sl.										
		28.9 - 48.5 - relatively dark gray limestone with 10-15% black sl, 5% ga.										
		Assay: 29.7 - 26.2	po/pz/ga	7/3	3917	1.5	1.5	4.41	0.78	0.85		
		26.2 - 27.9	po/ga	5/5	3918	1.7	1.7	7.21	3.00	1.85		
		27.9 - 28.9	ga/sl	30/15	3919	1.0	1.0	20.9	9.45	21.7		
		28.9 - 30.9	ga/sl	tr	3920	2.0	2.0	0.59	0.11	0.12		
		30.9 - 33.3	ga/sl	5/10	3921	2.4	2.4	25.76	4.73	4.68		
		33.3 - 35.8	ga/sl	1/2	3922	2.5	2.5	5.59	1.58	3.36		
		35.8 - 38.0	po/ga/sl	5/5	3923	2.2	2.2	32.9	2.50	1.42		
		38.0 - 40.5	sl/ga	30/5	3924	2.5	2.5	12.92	5.10	7.92		
		40.5 - 42.7	sl/ga	30/5	3925	2.2	2.2	13.76	5.78	10.5		
		42.7 - 44.8	sl/ga	16/5	3926	2.1	2.1	8.38	6.23	6.84		
		44.8 - 46.9	sl/ga	10/5	3927	2.1	2.1	0.88	0.54	4.08		
		46.9 - 48.5	sl/ga	2/10	3928	1.1	1.1	21.68	11.6	18.69		
		48.5 - 49.6	sl/ga	1/5	3929	1.6	1.6	1.18	0.30	7.56		

R.B. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TERRA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>11-1-76</u>
Date <u>July 7</u> 19 <u>76</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>100</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 4</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INCOL
48.6	49.8	3	BLACK ARGILLITE										
48.8	68	2	LOWESS LIMESTONE -lighter grey than mineralized section, calcite stringers abundant										
68	75.2		SULFIDE ZONE / LIMESTONE 68.2 - 70.2 limestone with 20% sl, 3-5% ga. 70.2 - 75.2 - limestone with 10% po, locally to 25%, minor ga, sl. Assay: 67.2 - 68.2 ga, sl 1% 3930 1.0 1.0 0.15 0.04 0.07 68.2 - 70.2 sl/po 20/35 3931 2.0 2.0 0.44 0.09 22.1 70.2 - 72.7 po, sl 10/2 3932 2.5 2.5 0.15 0.05 0.77 72.7 - 75.2 sl/po 10/2 3933 2.5 2.5 0.03 0.05 0.06										

1145. 1146. 1147.
CONULUSUS CULICINUS
WHITEHOUSE YUKON TERRITORY

PROPERTY <u>Tatavala Swath</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>27-124</u>
Date <u>July 7</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>100</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>187</u>

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1100. MILLER
OF DOUBTFUL ORIGIN
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SIMIL</u>	Claim No. <u>Page 2</u>	Strike <u>N 20° E</u>	Lat. <u>14° 27.4</u>	Hole No. <u>74-A25</u>
Date <u>July 8</u> 19 <u>74</u>	Section No. <u>81506</u>	Dip <u>-45°</u>	Dep. <u>849.5</u>	Total Depth <u>112</u>
Logged By <u>C. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A9</u>	Elev. <u>5293.4</u>	Page No. <u>1874</u>

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FILE NUMBER
CONSOLIDATED DEPARTMENT
WHITEHORSE UNION TERRITORY

PROPERTY <u>TURKISHA SUGAR</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>71-A25</u>
Date <u>July 8</u> 19 <u>77</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>118</u>
Logged By <u>E. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 4</u>

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U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SWAMP</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>71-A75</u>
Date <u>July 8</u> 19 <u>78</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>128</u>
Logged By <u>B. Carlen</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3/4</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INCO.
			Assay: 49.4 - 50.3	po/po/sl	10/4	3937	.9	.9	2.00	0.07	0.22		
			50.3 - 51.2	sl/gr/po	10/5/10	3938	.9	.9	10.59	3.23	10.0		
			51.2 - 52.0 53.0	po/sl,gr	10/10	3939	1.8	1.8	6.03	1.38	0.08		
			52.0 - 53.0 53.0-54.0	po/po	10/5/5	3940	1.0	1.0	47.52	8.95	0.95		
			54.0-56.0 53.8 - 55.8	sl/gr	20/1/3	3941	2.0	2.0	1.76	0.33	22.4		
			56.0-58.0	"	"	3942	2.0	2.0	1.68	0.04	26.9		
			58.0 - 59.2 ^{60.2}	"	"	3943	1.2	1.2	0.94	0.03	25.8		
			59.2 - 60.4 ^{60.2 61.4}	po/sl/gr	5/5/1	3944	1.2	1.2	0.21	0.02	2.40		
			61.4 - 62.4			3945	1.0	1.0	6.29	0.10	0.07		
60.5	77.5	3	BLACK ARGILLITE - strongly stained with quartz, po/py - locally very minor sl, gr, ep. - foliation/banding varies from 80° to 10° to core axis. - also locally fine quartz seams and quartz po patches aligned with foliation. - some quartz, talc, ...	po/py	5-7								

F.L.B. MILLER
GEOLOGICAL GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TIMBER SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-A25</u>
Date <u>July 8</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>118</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>4 of 1</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INSOL
			76.5-77.5 - siliceous zone, po quite abundant										
77.5	89.8	2	LOWER LIMESTONE - typical - no silicification or alteration, as in sulfate zone above, is evident. - light foliation or banding at 70°-80° to core axis.										
89.8	91.6	S	SULFIDE ZONE 89.8-90.8 - limestone with 1-2% sl, to gal. 90.8-91.6 - 30% sl, 20% gal.			3946	1.0		0.15	0.05	1.02		
91.6	118	2	LOWER LIMESTONE - 95' - mic. sl in calcite stages, with some calcite.			3947	.8		33.1	9.37	29.3		

118

END OF LOG

WHITEHORSE YUKON TERRITORY

PROPERTY Intentional Suicidal

Date July 8 19 74

Logged By G. Carlson

Claim No. Exh 2

Section No. 84-506

Plan No. 74-A

Strike _____

Dip -90°

Level S-A10

Lt. 1340.7

Dep. 0500
07019

Elev. 3274

Hole No. 7A-R21

Total Depth 68

Page No. 143

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PROPERTY <u>Tipton Silver</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>78-A21</u>
Date <u>July 8</u> 19 <u>79</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>66</u>
Logged By <u>G. Condon</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2/3</u>

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DEPT. INTERIOR
GEOLOGICAL SURVEY
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TIMBERLAND SUGAR</u>	Claim No. _____	Strike _____	Lat. _____	Note No. <u>24-236</u>
Date <u>July 8</u> 19 <u>94</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>60</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3 of 3</u>

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R.G. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Engle 2</u>	Strike <u>N 20° E</u>	Lat. <u>1371.7</u>	Hole No. <u>74-A27</u>
Date <u>July 5</u> 19 <u>74</u>	Section No. <u>B+50 E</u>	Dip <u>-45°</u>	Dep. <u>850.0</u>	Total Depth <u>117</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A10</u>	Elev. <u>5294.9</u> 5295.5	Page No. <u>164</u>

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R.S. WILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>79-A-21232</u>
Date <u>July 8</u> 19 <u>78</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>117</u>
Logged By <u>G. Coulson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>241</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%Ag	%Pb	%Zn	AU/AG	INSOL.
		35.5-37- as above but 5% sl, 1% ga, min. po.										
		37-39 - 3-5% po, to ga, sl.										
		- lower section, to 42' end into argillite, is quite rich in tremolite - actinolite - light green colour - possibly giving darker dr grey colour to limestone.										
267												
		Assay: 14-15.1	ga/sl/ep	5/5	3954	1.1	100%	5.59	2.00	2.40		
		15.1-18.1	ga/sl	5/5	3955	3.0	100%	25.3	15.7	19.1		
		18.1-21.1	"	"	3956	3.0	100%	19.42	16.3	14.8		
		21.1-24.1	"	"	3957	3.0	100%	15.89	14.03	18.9		
		24.1-26.5	ga/sl	10/5	3958	2.4	100%	7.50	7.2	10.68		
		26.5-28.5	ga/sl	5/5	3959	2.0	100%	1.18	1.38	2.34		
		28.5-31	ga/sl	5/5	3960	2.5	100%	0.56	0.60	0.34		
		31-33.5	ga/sl	5/5	3961	2.5	100%	0.94	1.28	1.26		
		33.5-35.5	sl/ga	15/5	3962	2.0	100%	2.65	3.23	10.2		
		35.5-37	sl/ga	5/1	3963	1.5	100%	8.24	2.15	2.46		
		37-39	po/sl/ga	5/5	3964	2.0	100%	0.15	0.04	0.08		

PLS. POLICE
CONSULTING DEPARTMENT
WHITENORSE YUKON TERRITORY

PROPERTY <u>TIMBER SUMMIT</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-AC-27</u>
Date <u>July 5</u> 19 <u>79</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>117</u>
Logged By <u>C. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3 of 4</u>

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R.G. MILLEN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>Stewart Survey</u>	Claim No. <u>Eng. 2</u>	Strike <u>—</u>	Lt. <u>1311.9</u>	Notes No. <u>74-420</u>
Date <u>July 10</u> 19 <u>78</u>	Section No. <u>E + S 0 E</u>	Dip <u>-90°</u>	Dep. <u>613.5</u>	Total Depth <u>48</u>
Logged By <u>C. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A11</u>	Elev. <u>5303.0</u>	Page No. <u>1 of 2</u>

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R.G. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Holo No. <u>71-628</u>
Date <u>July 10</u> 19 <u>76</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>48</u>
Logged By <u>G. Carter</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 2</u>

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U.S. MILK
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TRONA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-A39</u>
Date <u>July 10</u> 19 <u>77</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>70</u>
Logged By <u>G. Coulson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u> of <u>2</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	MOSS	AU/AG	INSOL
41	50.5	1	GRAY ARGILLITE - interbedded argillite and quartzitic layers, parallel foliation lat 65° - po very strong at top (see previous assay)	po	3-7								
50.5	64.8	2	LOWER LIMESTONE/SKARN/ SULFIDE ZONE - mainly tremolite-rich limestone with disseminated patches of pyrrhotite and crystals of arsenopyrite throughout Assay: 64-68	po/sk	8-10%								
				po/sk	10%	3999	4.0		0.12	0.03	0.02		
64.8	78	1	GRAY ARGILLITE - mainly argillaceous but quartz + quartzite stages about 65° parallel to horizontal from arg. quartz.	po	10								

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END OF LOG

E. G. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>SILVER</u>	Claim No. <u>Engle 2</u>	Strike <u>-</u>	Lat. <u>1253.3</u>	Hole No. <u>74-A30</u>
Date <u>July 12</u> 19 <u>74</u>	Section No. <u>810013</u>	Dip <u>- 90°</u>	Dep. <u>729.7</u>	Total Depth <u>175</u>
Logged By <u>B. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A12</u> <u>S-A13</u>	Elev. <u>5304.6</u> <u>5277</u>	Page No. <u>195</u>

ASSAY DATA

[illegible]

U.S. MILITARY
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TWINNIA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>79-A30</u>
Date <u>July 12</u> 19 <u>79</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>120</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3 of 5</u>

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D.S. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY TANTINA SILVER

Date July 12 19 74

Logged By G. Carlson

Claim No. _____

Section No. _____

Plan No. _____

Strike _____

Dip _____

Level _____

Lat. _____

Dep. _____

Elev. _____

Hole No. 74-A30

Total Depth 120

Page No. 3 of 5

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE
From	To		

MINERALIZATION

ASSAY DATA

TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
------	---	------------	-------	--------	-----	-----	------	-------	-------

py, p, 5-10

58 64.2 3 BLACK ARGILLITE
- with up to 50% quartz
interbedded along foliation (40°)

60-60.5 - grey, calcareous

- 1-2

64.2 67.5 L LAMPROPHYRE

- brown-grey, fine grained, 15%
biotite phenocrysts, scattered
rounded light grey xenoliths
- veins show light foliation.

67.5 68.8 3 BLACK ARGILLITE

- 10% quartz

68.8 70 S SILICEOUS / LAMPROPHYRE

- biotite phenocrysts, scattered
rounded light grey xenoliths
- veins show light foliation.

D.B. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>UNITED STATES</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-130</u>
Date <u>July 12</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>170</u>
Logged By <u>C. Carter</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>105</u>

[illegible]

R.C. MILKEN
CONSULTING GEOLOGIST
WHITENORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Note No. <u>78-730</u>
Date <u>July 17</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>179</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>575</u>

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D.G. MILIK
 GEORGETOWN GEOLOGICAL
 WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Eagle 2</u>	Strike <u>N 25° E</u>	Lat. <u>13504</u>	Hole No. <u>74-A31</u>
Date <u>July 12</u> 19 <u>74</u>	Section No. <u>84000</u>	Dip <u>- 45°</u>	Dep. <u>720.7</u>	Total Depth <u>00</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A12</u>	Elev. <u>5304.6</u>	Page No. <u>142</u>

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DEPARTMENT OF THE ARMY
HEADQUARTERS, 10TH ARMY
WHITEHORSE YAKU, TIBET, CHINA

PROPERTY <u>THE TWA CENTER</u>	Claim No. _____	Strike _____	Lat. _____	Note No. <u>71-431</u>
Date <u>July 12</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>80</u>
Logged By <u>B. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 2</u>

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U.S. MAIL
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u> </u>	Claim No. <u>Engle 2</u>	Strike <u> </u>	Lat. <u>10230</u>	Hole No. <u>74-A33</u>
Date <u> 12 </u> 19 <u>14</u>	Section No. <u>B+005</u>	Dip <u>-90°</u>	Dep. <u>800</u>	Total Depth <u>100</u>
Logged By <u>C. C. C.</u>	Plan No. <u>74-A</u>	Level <u>S-A13</u> <u>S-A14</u>	Elev. <u>5295.3</u> <u>5295.7</u>	Page No. <u>1/3</u>

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D.O. MULLEN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>1000000 - S.W. 1/4</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>77-112</u>
Date <u>July 12</u> 19 <u>74</u>	Section No. _____	Dip _____	Dip. _____	Total Depth <u>100</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3</u> of <u>3</u>

[illegible]

PROPERTY <u>Terrace South</u>	Claim No. <u>Expt 2</u>	Strike <u>N 20° E</u>	Lat. <u>1421.5</u>	Hole No. <u>71-A33</u>
Date <u>July 12</u> 19 <u>76</u>	Section No. <u>8200 E</u>	Dip <u>80° - 15°</u>	Dep. <u>806.8</u>	Total Depth <u>128</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A13</u>	Elev. <u>5295.3</u>	Page No. <u>144</u>

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1001 IN 1000
GEOLOGICAL SURVEY
WHITEHORSE YUKON TERRITORY

PROPERTY <u>1001 IN 1000 SILVER</u>	Claim No. _____	Strike _____	Loc. _____	Note No. <u>7.5-8.5</u>
Date <u>July 17</u> 19 <u>74</u>	Section No. _____	Dip _____	Dop. _____	Total Depth <u>1700</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>22/40</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA								
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INCO.	
51.5	78	5	SULFIDE ZONE											
			- mainly limestone, few patches and veins of quartz - 5-20% tremolite throughout											
			- py/po throughout, disseminated, usually less than 5%											
			- sl in patches or bands, less than 5 to 50% - both black and yellow.											
			- ga sometimes with sl (black variety, locally 5-10%)											
			- locally 'fracture' with ga, also trace											
			Assay: 49.5-51.5				py/po	5/40	4034	2.0	2.0	0.88	0.25	0.17
			51.5-54.0				py/po	5/40	4035	2.5	2.5	1.71	0.27	0.67
			54.0-56.0				sl/ga	5/40	4036	2.0	2.0	9.94	3.90	7.68
			56.0-58.0				sl/po	2/40	4037	2.0	2.0	0.59	0.08	1.64
			58.0-60.0				py/po	5/40	4038	2.5	2.5	0.29	0.03	0.04
			60.0-62.0				py/po	5/40	4039	2.5	2.5	0.44	0.03	0.01
			62.0-64.0				py/po	5/40	4040	2.0	2.0	1.55	0.57	3.96
			64.0-66.0				py/po	5/40	4041	2.0	2.0	1.74	2.52	11.96
			66.0-68.0				py/po	5/40	4042	2.0	2.0	2.15	4.47	11.57

1944. 1945. 1946.
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>STANDARD SUEDE</u>	Claim No. _____	Strike _____	Lot. _____	Note No. <u>70-1933</u>
Date <u>July 12</u> 19 <u>78</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>120</u>
Logged By <u>G. Carter</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>344</u>

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PROPERTY <u>Thompson Creek</u>	Claim No. _____	Strike _____	Lat. _____	Memo No. <u>7-1-130</u>
Date <u>July 17</u> 19 <u>74</u>	Section No. _____	Dip _____	Dip. _____	Total Depth <u>175</u>
Logged By <u>C. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>487</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION				ASSAY DATA					
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INSOL
			Assay: 90.3-91.8	sl/gp/cp	5/5/1	Q050	4.1	1.1	50.6	14.5	6.48		
			91.8-93.4	sl/cr	5/1	Q051	2.0	2.0	2.65	1.90	5.40		
			93.4-95.9	sl/cr	5/3	Q052	2.5	2.5	5.00	5.63	5.16		
			95.9-97.9	sl/gp/cp	3/5	Q053	2.0	2.0	0.29	0.08	0.12		
959	128	2	LOWER LIMESTONE - typical - sulfides, tremolite negligible below sulfide zone.										
128			END OF HOLE										

PROPERTY <u>Timothy Silver</u>	Claim No. <u>Page 2</u>	Strike <u>N 20° E</u>	Lat. <u>1474.6</u>	Hole No. <u>74-A-36</u>
Date <u>July 13</u> 19 <u>74</u>	Section No. <u>C100E</u>	Dip <u>-65°</u>	Dep. <u>814.8</u>	Total Depth <u>90</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A13</u> <u>S-77</u>	Elev. <u>5295.3</u> <u>5297</u>	Page No. <u>1 of 2</u>

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MAP. THE WHITE
CONTINUED. CHINA'S
WHITEHOUSE YUKON TERRITORY

PROPERTY <u>TONTONA SWAMP</u>	Claim No. <u>Eng 1</u>	Strike <u>-</u>	Lat. <u>1393.9</u>	Hole No. <u>74-155</u>
Date <u>July 14</u> 19 <u>74</u>	Section No. <u>9+00E</u>	Dip <u>-90°</u>	Dep. <u>9.01</u>	Total Depth <u>99</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-414</u> <u>S-415</u>	Elev. <u>5283.2</u> <u>5282.5</u>	Page No. <u>1 of 3</u>

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**FEDERAL BUREAU OF
CONSTITUTION PROTECTION
WHITEHOUSE YUKON TERRITORY**

PROPERTY <u>TRUSTING SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hold No. <u>7-1-1135</u>
Date <u>July 14</u> 19 <u>78</u>	Section No. _____	Dip _____	Dip. _____	Total Depth <u>99</u>
Logged By <u>P. C. Carter</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>245</u>

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D.A. MILLER
CONSULTING ENGINEER
WHITEHORSE YUKON TERRITORY

PROPERTY <u>Triton Silt</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>7-A 25</u>
Date <u>Feb 14</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>99</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3 of 3</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
81	99	1	GRKY ARGILLITE	Po/p.s	3-7/4								
			81-82 - argillaceous, po band at top, few small oval fragments										
			82-84 - siliceous zone, argillite with po.										
			84-99 - mainly argillaceous, few quartzite bands, quartz veins.										
			90 Schistosity - 30°										
			bedding - 10°										
99			END OF HOLE.										

PROPERTY <u>TWIN SUGAR</u>	Claim No. <u>Engle 1</u>	Strike <u>N 20 E</u>	Lat. <u>13988</u> <u>13987</u>	Hole No. <u>74-A31</u>
Date <u>July 14</u> 19 <u>74</u>	Section No. <u>9+000</u>	Dip <u>42° S 0°</u> <u>S-A14</u>	Dep. <u>900.0</u> <u>5283.2</u>	Total Depth <u>98</u>
Logged By <u>C. Carlson</u>	Plan No. <u>74-A</u>	Level <u>5283.2</u> <u>5283.2</u>	Elev. <u>5283.2</u> <u>5283.2</u>	Page No. <u>1 of 2</u>

TERRA MINERAL
GENERALIZED GEOLOGICAL
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-A36</u>
Date <u>July 18</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>989</u>
Logged By <u>C. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2/3</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA						
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	MoSb	AU/AG
			Assay 39.0 - 41.7	sl/ga	5-10/4r	4068	2.7	2.7	0.32	0.13	8.04	
			41.7 - 43.5	sl/ga	10/4r	4069	1.8	1.8	8.24	4.95	10.14	
			43.5 - 45.0	sl/ga	5-10/13	4070	1.5	1.5	0.53	0.29	2.64	
45	46	2	LOWER LIMESTONE									
46	47.8	3	BLACK ARGILLITE - tight foliation and banding - 70° to core axis	py, py	3-5							
47.8	86	2	LOWER LIMESTONE - 30-50% white calcite - no visible sulfide except minor py at lower contact									
86	98	3	BLACK ARGILLITE - py with calcite in part of section with quartz, also dr. calcite - 10' thin bedded argillite of quartz	py	5-7							

GENICULTIV'S GREENHILL
WHITEHORSE YUKON TERRITORY

PLAC. DIMITRI
GENTILIANI BRACCI
WHITENORSE YUKON TERRITORY

PROPERTY <u>Truman Smith</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-054</u>
Date <u>July 16</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>100</u>
Logged By <u>G. Craker</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

DEPT. OF MINES
GEOLOGICAL SURVEY
WHITEHORSE YUKON TERRITORY

PROPERTY <u>Township Survey</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-137</u>
Date <u>July 10</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>100</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3 of 3</u>

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1122- MILITARY
CONSTRUCTIVE DISCUSSION
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Engle 1</u>	Strike <u>N 10 E</u>	Lat. <u>1357.7</u>	Wolo No. <u>74-173</u>
Date <u>July 18</u> 19 <u>74</u>	Section No. <u>10000 E</u>	Dip <u>-90°</u>	Dep. <u>1000.0</u>	Total Depth <u>110</u>
Logged By <u>G. Carter</u>	Plan No. <u>74-A</u>	Level <u>S-15</u>	Elev. <u>5289.0</u> <u>5285.6</u>	Page No. <u>183</u>

11.00. 11.11.1977
CENTRALIZED GOVERNMENT
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TRITON SINK</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-138</u>
Date <u>July 18</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>115</u>
Logged By <u>C. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

ASSAY DATA

U.S. ARMY
COMBUSTIBLE RESERVOIR
WHITEMORSE YUKON TERRITORY

PROPERTY <u>Tulwin Schist</u>	Claim No. _____	Strike _____	Lat. _____	Role No. <u>78-989</u>
Date <u>July 18</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>118</u>
Logged By <u>C. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3 of 3</u>

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D. S. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>Tremblay Sulfide</u> Date <u>July 10</u> 19 <u>74</u> Logged By <u>G. Carlson</u>	Claim No. <u>Engle 1</u> Section No. <u>10401E</u> Plan No. <u>7A-A</u>	Strike <u>N25°E</u> Dip <u>-50°</u> Level <u>S-15</u>	Lat. <u>1351.7</u> Dep. <u>10000</u> Elev. <u>5289.0</u>	Hole No. <u>74-1959</u> Total Depth <u>178</u> Page No. <u>1/3</u>
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FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION				ASSAY DATA				
From	To	TYPE		%	SAMPLE NO.	WIDTH	RECOV.	Zn	Pb	Cu	AU/AG	INSOL
0	12.8		OVERBURDEN									
12.8	18.8	5	SULFIDE ZONE - limestone breccia with 2-5% ga, 1-3% pb.									
			Assay: 12.8 - 15.8	ga/pb	3.5/1.3	4087	3.0	3.0	5.88	4.80	1.86	
			15.8 - 18.8	ga/pb	1.5/1.3	4088	3.0	3.0	1.91	2.43	0.18	
			18.8 - 20.8	ga/pb	1.0	4089	2.0	2.0	0.29	0.55	0.20	
18.8	45.5	2	LOWER LIMESTONE - locally broken & rusty - 24; 27-28 - calcite & fengites abundant throughout									
45.5	49.5	1	Gray Breccia - to 50% quartzite & tan, siliceous matrix	pb	3.5							

R.B. WILKINSON
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>71-A39</u>
Date <u>July 19</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION					ASSAY DATA				
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Hg	Pb	Zn	AU/AG	INSOL
49.5	60.0	2	LOWER LIMESTONE - calcite very abundant, locally with orange rusty tint. - brecciation quite strong throughout.										
60.0	69.7	5	SULFIDE ZONE - limestone, light greenish colour due to iron-ox? - 5-25% sl. 3-5% py, minor pc, py.										
			ASSAY: 59.0-60.0	-	-	4090	1.0		0.29	0.15	0.31		
			60.0-61.8	sl/ps	5/5	4091	1.8		0.88	0.49	2.00		
			61.8-63.3	sl/ps	15/3	4092	1.5		0.93	0.44	13.49		
			63.3-64.4	sl/ps	1-3	4093	1.1						
			64.4-67.0	sl/ps	15/3	4094	2.6		1.00	1.05	10.92		
			67.0-69.7	sl/ps	15/3	4095	2.7		2.21	0.23	13.70		
			69.7-70.7	-	-	4096			0.15	0.03	0.22		
69.7	70.2	3	BLACK ARGILLITE	py	1-3								

R.S. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>7-439</u>
Date <u>July 16</u> 19 <u>78</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>178</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>343</u>

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GEOLOGICAL SURVEY
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SUND</u>	Claim No. <u>Eagle 1</u>	Strike <u>N25°E</u>	Lat. <u>135° 28'</u>	Hole No. <u>74-A</u>
Date <u>July 19 19 74</u>	Section No. <u>104005</u>	Dip <u>-70°</u>	Dep. <u>1620.8</u>	Total Depth <u>100</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-15</u>	Elev. <u>5289.0</u> <u>5285.6</u>	Page No. <u>1</u>

FOOTAGE				ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To				TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
0	12			OVERBURDEN										
12	35	2		LOWER LIMESTONE - varied, mainly strong brecciation, abundant calcite stringers.										
35	56	1		GREY ARGILLITE - upper contact siliceous, po-rich. - 32 - most evident foliation at 25°, strongly defined by dark streaks, mainly po. - younger? foliation (clonage) weak, at approx 60° - topmost, with some quartzite bedding, a locally abundant quartzite and argillite.	po, py	3-7								

D.R. MILLER
GEOLOGICAL ENGINEER
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TERRACE SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>71-410</u>
Date <u>July 19</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>100</u>
Logged By <u>G. Carter</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INSOL
56	60.5	2	LOWER LIMESTONE										
60.5	65.5	5	SULFIDE ZONE - 3-20% sl, 1-3% gal in limestone.										
			ASSAY: 59.5-60.5	-	-	4097	1.0	1.0	0.12	0.01	0.02		
			60.5-64.0	sl/gal	15/1-3	4098	2.5	2.5	0.15	0.08	25.1		
			64.0-65.5	sl/gal	5/1	4099	1.5	1.5					
			65.5-66.5	-	-	4100	1.0	1.0	0.62	0.48	0.45		
65.5	97	2	LOWER LIMESTONE - locally strongly mottled - calcite stringers intense - 80-97 shows rusty orange 'capillaries', weathering.										
97	100	1	Gray Argillite	ss	87								
100	111	2	Lower Limestone										
111	122	1	Gray Argillite	ss	87								

D.B. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TIMBER SUND</u>	Claim No. <u>Engle 1</u>	Strike <u>-</u>	Loc. <u>1355.3</u>	Hole No. <u>74-A</u>
Date <u>July 20</u> 19 <u>74</u>	Section No. <u>10+SEE</u>	Dip <u>-90°</u>	Dep. <u>1049.5</u>	Total Depth <u>135</u>
Logged By <u>G. Carter</u>	Plan No. <u>74-A</u>	Level <u>S-ALC</u>	Elev. <u>5291.6</u>	Page No. <u>1 of 3</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA						
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	MSZ	AU/AG
0	7		OVERBURDEN									
7	12.4	3	BLACK ARGILLITE - broken - foliation at 35°	py	3-5							
12.4	13.6	2	LOWER LIMESTONE									
13.6	23.3	5	SULFIDE ZONE - limestone with 5-50% sl, 0-50% ga, 0-50% fr. - fr. associated mainly with quartz veining.									
Assay 12.4-13.6				-	-	6101	1.2	1.2	0.21	0.05	0.04	
13.6-14.0				92/12/14	4/0/5	6102	2.4	2.0	46.08	37.6	14.66	
14.0-14.9				21/1/16	2/5/7	6103	2.2	2.2	122.50	6.30	35.0	
14.9-20.0				24/1/16	2/1/1	6104	1.8	1.2	55.40	0.97	4.92	
20.0-21.5 (C.A.)				30/1/16	2/0/5	6105	1.3	1.3	705.92	3.08	11.28	
21.5-22.0				41/1/16	2/0/5	6106	2.0	2.0	4.41	1.05	26.2	
22.0-23.3				21/1/16	2/0/5	6107	2.4	2.4	1.22	1.01	10.6	

D.C. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SLAG</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-A11</u>
Date <u>July 30</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>130</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 3</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INSOL
23.3	38	2	LOWER LIMESTONE. - typical.										
38	59.7	1	GRAY ARGILLITE - more quartzitic than usual, locally 50-100% po. 50-59.7 - mainly argillaceous	po cp	5-10 tr								
59.7	66.0	5	SULFIDE ZONE - limestone, locally siliceous, some light green colour - trem, serp? - 5-20% sl, 0-5% ga, minor po, crs.										
			ASSAY										
			50.7 - 59.7	po/cp	5-10	4109	1.0	1.0	0.97	0.48	0.77		
			59.7 - 61.1	sl/ga	5-15	4110	1.4	1.4	1.21	2.03	3.78		
			61.1 - 63.4	sl/ga	15-20	4111	2.3	2.3	1.32	3.53	10.92		
			63.4 - 65.7	sl/ga	15-20	4112	2.3	2.3	0.97	0.39	12.2		
			65.7 - 66.0	sl/ga	15-20	4113	1.0	1.0	0.91	0.25	1.59		

PLATE. MINERAL
CONSOLIDATED SILICATE
WHITEHOUSE YUKON TERRITORY

PROPERTY <u>TUTUWA Supp</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-141</u>
Date <u>July 20</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>139</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 pr</u>

[illegible]

R.S. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTING SILVER</u>	Claim No. <u>Engt 1</u>	Strike <u>N 70° E</u>	Lat. <u>135° 4'</u>	Hole No. <u>74-A-2</u>
Date <u>July 20</u> 19 <u>74</u>	Section No. <u>104505</u>	Dip <u>- 70°</u>	Dep. <u>1049.5</u>	Total Depth <u>100</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-A16</u>	Elev. <u>5291.6</u>	Page No. <u>1 of 2</u>

FOOTAGE				ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION				ASSAY DATA					
From	To				TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INSOL
0	5			OVERBURDEN										
5	19.7	3		BLACK ARGILLITE - 5-10 - very strongly broken. - 10-19 - less broken. foliation at 0-30° to core axis.										
19.5	44	5		SULFIDE ZONE - mainly limestone, medium gray, 5-25% sl, 0-50% gr, minor po, cp										
Assay: 16.5-19.5					po, cp	1-3	4114	1.0	1.0	0.38	0.15	0.10		
19.5-22.0					gr/sl	3/5	4115	2.5	2.5	5.35	1.63	6.96		
22.0-25.0					gr/sl	50/5	4116	5.0	2.4	44.08	46.7	15.0		
25.0-28.0					gr/sl	5/5	4117	2.5	2.3	175.24	19.6	10.44		
28.0-31.5					gr/sl	5/1	4118	2.5	1.8	8.53	0.23	12.51		
31.5-33.6					gr/sl	5/1	4119	2.5	2.1	1.56	0.50	3.16		
33.6-34.5					gr/sl	5/1	4120	2.5	2.1	2.00	1.85	1.72		
34.5-35.0					gr/sl	5/1	4121	2.5	2.1	1.17	0.45	1.23		

CONSULTING ENGINEER
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-A-32</u>
Date <u>July 20</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>100</u>
Logged By <u>G. Cooper</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

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ELIZ. WILKINSON
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>T. T. T. T. T. SILVER</u>	Claim No. <u>Eng 1</u>	Strike <u>N 25° E</u>	Lat. <u>1358.70</u>	Hole No. <u>74-A/3</u>
Date <u>July 20</u> 19 <u>74</u>	Section No. <u>10+500</u>	Dip <u>~ 50°</u>	Dep. <u>1049.5</u>	Total Depth <u>110</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-A</u>	Levst <u>S-A16</u>	Elev. <u>5291.6</u>	Page No. <u>1</u>

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B.C. MINING
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TONTIQUA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-11B</u>
Date <u>July 20</u> 19 <u>74</u>	Section No. _____	Dip _____	Dop. _____	Total Depth <u>112</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 2</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INSOL.
			ASSAY 43.5-45.5 46.5-42.0	sl/ga	10/5	4127	1.5	1.5	42.2	4.05	12.4		
			45.5-4 42.0-43.5	ga/sl/sl	5/3/5	4128	1.5	1.5	30.12	3.83	7.32		
			43.5-48.5	sl/ga	7/	4129	5.0	5.0	1.47	1.08	1.68		
			48.5-50.1	ga/sl/sl	5/1/5	4130	1.6	1.6	5.74	4.50	8.90		
			50.1-52.8	sl/ga	20/10	4131	2.7	2.7	30.2	11.27	29.8		
			52.8-55.5	sl/ga	15/10	4132	2.7	2.7	8.24	5.55	16.49		
			55.5-57.0	sl/ga	30/10	4133	1.5	1.5	7.06	3.68	35.0		
			57.0-58.0	sl/ga	3/5	4134	1.0	1.0	12.5	9.2	7.44		
			58.0-59.8	sl/ga	10/20	4135	1.8	1.8	50.28	44.3	10.56		
			59.8-63.4	sl/ga	20/15	4136	3.6	3.6	39.92	15.82	28.9		
			63.4-65.5	sl/ga	15/10	4137	1.1	1.1	36.74	10.1	19.6		
65.5	112	3	BLACK ARGILLITE	py	5.7								
			- typical, rather massive, foliated at 30-45°, banding generally very faint - quantity - py stronger straight back in section to left hand distorted by foliation - the quartz - py - foliation										

PROPERTY <u>Thornton Survey</u>	Claim No. <u>Page 3</u>	Strike <u>-</u>	Lat. <u>1312.9</u>	Hole No. <u>74-141</u>
Date <u>July 21</u> 19 <u>76</u>	Section No. <u>111406</u>	Dip <u>-90°</u>	Dep. <u>1102.9</u>	Total Depth <u>52.16</u>
Logged By <u>G. Carden</u>	Plan No. <u>74-A</u>	Level <u>S-1417</u>	Elev. <u>5296.7</u>	Page No. <u>1 of 2</u>

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AGRICULTURE, COLONIAL,
WILHELMINE YAKUT TERRITORY

PROPERTY <u>Private School</u>	Claim No. <u>Page 68</u>	Strike <u>N22E</u>	Lat. <u>1316.4</u>	Hole No. <u>74-A45</u>
Date <u>July 31</u> 19 <u>74</u>	Section No. <u>11-5000</u>	Dip <u>-15°</u>	Dep. <u>1102.8</u>	Total Depth <u>110</u>
Logged By <u>G. Craker</u>	Plan No. <u>74-A</u>	Level <u>S-A17</u>	Elev. <u>5296.7</u>	Page No. <u>1-A</u>

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TERRITORY OF YUKON
GEOLOGICAL SURVEY
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TIMBERNA SILVER</u>	Claim No. _____	Strike _____	Lot. _____	Note No. <u>71-A15</u>
Date <u>July 21</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>1123</u>
Logged By <u>G. Cullen</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 2</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA					
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pd	Zn
59		S	SULFIDE ZONE - dark gray green limestone with 5-50% sulfide including galena, sl + fr, minor ep, py.								
Assay				gr	fr	4138	1.2	1.2	0.94	0.20	0.20
			59.2-62.7	gr/fr/sl	15/5/1	4139	3.5	3.5	24.32	19.7	2.54
			62.7-64.7	gr/sl/fr	15/5/2	4140	2.0	2.0	23.2	20.0	14.6
			64.7-66.7	gr/sl/fr	14/10/2	4141	2.0	2.0	13.56	12.9	13.3
			66.7-71.7	gr/sl/fr	10/12/3	4142	5.0	5.0	15.44	11.6	17.3
			71.7-75.7	gr/sl/fr	17/10/3	4143	4.0	4.0	29.84	27.1	19.7
			75.7-78.0	sl/gr	5/1	4144	3.5	3.5	1.06	0.85	5.40
			78.0-82.0	sl/gr	5/1	4145	5.0	5.0	6.62	6.68	2.46
			82.0-88.0	sl/gr	5/3	4146	5.0	5.0	3.09	3.00	3.36
			88.0-92.0	sl/gr	5/3	4147	4.0	4.0	3.09	2.78	2.94
			92.0-95.5	sl/gr	15/2	4148	3.5	3.5	2.15	1.53	27.2
			95.5-96.5	sl/gr	fr.	4149	1.0	1.0	1.41	0.95	0.48
96.5	97	3	BLACK ARGENT								
97	103	2	LOOSE Limestone								
103	105	2	Black arg.								
105	107	2	Black arg.								

CLERK: MILLER
GOVERNMENT BUILDING
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TIA TUNA SILVER</u>	Claim No. <u>Page 3</u>	Strike <u>N 70° E</u>	Lot. <u>1312.5</u>	Hole No. <u>74-AAC</u>
Date <u>July 23</u> 19 <u>74</u>	Section No. <u>11400 R</u>	Dip <u>-65°</u>	Dep. <u>1107.0</u>	Total Depth <u>1580</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-A</u>	Level <u>S-17</u>	Elev. <u>5296.7</u> <u>5294.3</u>	Page No. <u>1872</u>

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R.G. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TENTINA SWELL</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-196</u>
Date <u>July 23</u> 19 <u>78</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>158</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 2</u>

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UNITED STATES
BUREAU OF MINES
WASHINGTON, D. C. 20540

PROPERTY <u>TINIAN SILVER</u>	Claim No. <u>Payson</u>	Strike <u>N 75° E</u>	Loc. <u>18618</u>	Hole No. <u>7-A-1</u>
Date <u>July 23</u> 19 <u>71</u>	Section No. <u>11408</u>	Dip <u>-35°</u>	Dep. <u>1102.5</u>	Total Depth <u>1000</u>
Logged By <u>G. Carter</u>	Plan No. <u>7-A</u>	Level <u>S-A17</u>	Elev. <u>5252.7</u>	Page No. <u>1</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	10	20	AU/AG	INDOL
0	10		OVER BURDEN										
10	38	3	BLACK ARGILLITE - foliation strong at 20-30' to core axis, locally with strong, fine, parallel banding	P/	3-7								
38	90.2	2	LOWER LIMESTONE - very massive, little texture or structure evident. - 40' - to slugs.										
90.2	92.2	5	SULFIDE ZONE - limestone at contact with black argillite - slugs with copper at contact										
			Area of sample	P/	3-7	100			100	100			

PLS. WILLIAM
 CONSULTING ENGINEER,
 WHITENORSE YUKON TERRITORY

PROPERTY <u>TIMBER SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hoist No. <u>75-A-17</u>
Date <u>July 23</u> 19 <u>74</u>	Section No. _____	Dip _____	Dip. _____	Total Depth <u>100</u>
Logged By <u>R. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Pogo No. <u>2 Jc</u>

[illegible]

SECRET
 GOVERNMENT OF CANADA
 MAINTENANCE YUKON TERRITORY

PROPERTY <u>TINTINA SILLER</u>	Claim No. <u>Engle 3</u>	Strike <u>N 70° E</u>	Lat. <u>12792</u>	Hole No. <u>74-A18</u>
Date <u>July 23</u> 19 <u>74</u>	Section No. <u>10+80.5</u>	Dip <u>-70°</u>	Dep. <u>12885</u>	Total Depth <u>110</u>
Logged By <u>G. Carter</u>	Plan No. <u>74-A</u>	Level <u>S-A18</u>	Elev. <u>5307.5</u>	Page No. <u>1 of 1</u>

[illegible]

REG. MAIL
 CENSUSTRIP CENSUS
 WHITEHOUSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>75-A10</u>
Date <u>July 23</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>110</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>282</u>

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P.O. MAIL
 PERMUTED PERMIT
 WHITEHORSE, YUKON TERRITORY

PROPERTY <u>INSTANT SURVEY</u>	Claim No. <u>Engle C</u>	Strike <u>-</u>	Lat. <u>1091.7</u>	Hole No. <u>74-B1</u>
Date <u>July 10</u> 19 <u>78</u>	Section No. <u>94750</u>	Dip <u>-90°</u>	Dep. <u>977.0</u>	Total Depth <u>144</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-B</u>	Level <u>S-B1</u>	Elev. <u>5678.9</u> 5745.7	Page No. <u>1/3</u>

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R.G. HILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SALTER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-31</u>
Date <u>July 10</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>149</u>
Logged By <u>G. Carlson.</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 5</u>

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R.S. HILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>INTIAN SINKER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>79-B1</u>
Date <u>July 10</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>144</u>
Logged By <u>G. Cantor</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3 of 3</u>

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F.B. ILLIUS
CLAUDEVILLE DISTRICT
WHITEHORSE YUKON TERRITORY

PROPERTY <u>Twining Sledge</u>	Claim No. <u>Twining</u>	Strike <u>N 10° E</u>	Lat. <u>109° 39'</u>	Hole No. <u>74-B2</u>
Date <u>July 12</u> 19 <u>74</u>	Section No. <u>9175B</u>	Dip <u>-60°</u>	Dep. <u>917.0</u>	Total Depth <u>83</u>
Logged By <u>G. Cooper</u>	Plan No. <u>74-B</u>	Level <u>S-B1</u>	Elev. <u>5678.9</u>	Page No. <u>193</u>

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R.P. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>Tintina Sulfide</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>74-B2</u>
Date <u>July 10</u> 19 <u>78</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>83</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>20/3</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION					ASSAY DATA				
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INSOL
437	70	S	SULFIDE ZONE / ARGILLACEOUS LAMST.										
			- low grade, patchy sphalerite at top with increasing sl + ga at base of section - minor ga locally.										
			43.7 - 52.0 - locally 50% sl, average 10%.										
			52.0 - 64.8 - very little sulfide.										
			64.8 - 65.7 - 20% ga, 20% sl, trace - abundant calcite, minor quartz veining										
			65.7 - 66.7 - 60% ga, 30% sl.										
			66.7 - 70 - argillaceous limestone with 13% sl.										
			Assay: 43.7 - 45.7	sl	25	3929	2.0	1.5	0.12	0.03	0.54		
			45.7 - 47.5	sl	20	3980	1.8	1.8	1.03	0.37	13.57		
			47.5 - 50.0	sl	5	3981	2.5	2.0	0.15	0.04	3.72		
			50.0 - 52.0	sl	5	3982	1.0	2.0	0.59	0.30	8.88		
			52.0 - 57.0	sl	40	3983	5.0	5.0	6.06	0.01	0.12		

FILE NUMBER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TURKISH SUVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>24-132</u>
Date <u>25 July 1974</u>	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By <u>C. Coulter</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3 of 3</u>

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U.S. MILITARY
CONSULTING COMMISSION
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Note No. <u>70-33</u>
Date <u>July 12</u> 19 <u>79</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>150</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 3</u>

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F.L.B. WALLACE
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>FRANKLIN SUGAR</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-133</u>
Date <u>July 12</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>150</u>
Logged By <u>C. Cooke</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3/3</u>

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**F.R. THOMAS
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY**

PROPERTY <u>Trotter Sump</u>	Claim No. <u>Cagle</u>	Strike <u>N 10° E</u>	Lat. <u>1067.1</u>	Hole No. <u>74-B</u>
Date <u>July 22</u> 19 <u>78</u>	Section No. <u>10+000</u>	Dip <u>- 45°</u>	Dep. <u>1000.5</u>	Total Depth <u>100</u>
Logged By <u>G. Corder</u>	Plan No. <u>74-B</u>	Level <u>S-B2</u>	Elev. <u>5675.7</u> <u>5675.2</u>	Page No. <u>1A2</u>

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U.S. MILITARY
CONSULTING ENGINEER
WINTHROP YUKON TERRITORY

PROPERTY <u>Twinning Summit</u>	Claim No. <u>Engle 1</u>	Strike <u>N10°E</u>	Lat. <u>1006.3</u>	Hole No. <u>70-RS</u>
Date <u>July 12</u> 19 <u>78</u>	Section No. <u>104005</u>	Dip <u>-60°</u>	Dep. <u>1000.5</u>	Total Depth <u>127</u>
Logged By <u>B. Carlson</u>	Plan No. <u>70-B</u>	Level <u>S-BZ</u>	Elev. <u>5675.7</u>	Page No. <u>1</u>
MINERALIZATION			ASSAY DATA	
			%CU	%FE
			MOLY	AU/AG
			INOL	

[illegible]

R.G. MILLER
CONSULTING GEOLOGIST
WHITEHORSE-YUKON TERRITORY

PROPERTY <u>Tintina Silver</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>78-135</u>
Date <u>July 12</u> 19 <u>79</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>127</u>
Logged By <u>R. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Hg	Pb	Zn	AU/AG	INSOL.
		82.2-83.6 - 13% sl, py										
		83.6-84.6 - 20% sl, 5% py										
		84.6-90.6 - tr. sl.										
		90.6-92.1 - 30% calcite stringers with 5% sl.										
		92.1-94.6 - tr. sl. (1" seam with 75% sl), tr. ga.										
		Assay: 81.2-82.2	sl/ga	5/2	4009	1.0	1.0	1.76	1.23	2.10		
		82.2-83.6	sl, py	1-3	4010	1.2	1.1	0.59	0.38	0.57		
		83.6-84.6	sl/py	20/5	4011	1.0	1.0	0.59	0.20	12.2		
		84.6-90.6	sl	tr.	4012	6.0	6.0	0.06	0.04	0.52		
		90.6-92.1	sl	5	4013	1.5	1.5	0.65	0.35	7.44		
		92.1-94.6	sl, ga	tr.	4014	2.5	2.5	1.03	0.60	1.10		
		94.6-101.5	sl	tr.	4015	70	76.0	0.18	0.08	0.14		
94.6	127	Argillaceous limestone										
		101.5-105.0	sl/ga	3/1	4016	5.0	3.3	5.29	2.25	2.28		

R.E. WILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>Tintina Silver</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>74-B5</u>
Date <u>July 12</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>127</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3 of 3</u>

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R.S. WALKER
CONSULTING GEOLOGIST
WHITEHORSE-YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Frage 6</u>	Strike <u>N10°E</u>	Lat. <u>1061.9</u>	Hole No. <u>74-B6</u>
Date <u>July 11</u> 19 <u>77</u>	Section No. <u>10425</u>	Dip <u>-60°</u>	Dep. <u>1024.8</u>	Total Depth <u>111</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-B</u>	Level <u>S 8 - B3</u>	Elev. <u>5662.2</u> 5662.0	Page No. <u>1 of 3</u>

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R.B. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>Tintina Saddle</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-31</u>
Date <u>July 11</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>111</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 3</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Cu	AU/AG	INSOL
86	87.5	S	SULFIDE ZONE - argillaceous limestone with 75% white calcite stringers, 13% sl in stringers.										
			Assay: 86-87.5	sl	1-3	4071	1.5	1.5	0.32	0.19	0.88		
87.5	94		ARGILLACEOUS LIMESTONE - no evidence of sulfides.										
94	99.5	S	SULFIDE ZONE - 94-94.3 - siliceous zone with 30% ga, 10% sl, 1% cp - 94.3-99.5 - 20-50% white calcite stringers with 1-5% sl.										
			Assay: 94-94.3	ga/sl/cp	3/10/1	4072	0.3	0.3	74.56	37.4	22.6		
			94.3-95.5	sl	1-5	4073	2.1	2.1	0.32	0.20	1.10		
			95.5-99.5	sl	1-5	4074	2.1	2.1	0.53	0.58	1.75		

D.B. MILLER
CONSULTING BIOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>Tribuna Survey</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-B6</u>
Date <u>July 11</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>111</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3 of 3</u>

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R.B. MILKEN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY TINTINA SILVER

Date July 13 19 74

Logged By G. Carlson

Claim No. Page 6

Section No. 107255

Plan No. 74-B

Strike N/A

Dip - 45°Level S-B3Lat. 1063.2Dep. 1024.8

Elev. 5662.2

Hole No. 74-157

Total Depth 109

Page No. 18/3

FOOTAGE		
From	To	

ROCK CLASSIFICATION

ROCK CLASSIFICATION
EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO.
CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE

MINERALIZATION

ASSAY DATA

[illegible]

0	77.3
---	------

ARGILLACEOUS LIMESTONE

0-10 - strongly broken, 1' recovery

10-20 - strongly broken but 75% recovered
- fracturing mainly along foliation,
~ 70° to core axis.
- minor calcite veining.

20-50 = 90% recovery mirror calcite,
increasing slightly with depth
- foliation and locally parallel
light banding at 60°

50-- - as above but increasing
variety of features, to 4" wide)

55 - 1/4" col. - spl. white

50.5 - 3" rock fragment in a porous,
rusty matrix

65 - 1000 pp, 1000 in 1000

R.G. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-137</u>
Date <u>July 13 1978</u>	Section No. _____	Dip _____	Dip. _____	Total Depth <u>109</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>283</u>

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R.B. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>71-87</u>
Date <u>July 13</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>109</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3</u>

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R.B. WILKEN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-36</u>
Date <u>July 18</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. <u>5719.3</u>	Page No. <u>1</u>

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R.B. WILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>LAITINA SILVER</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>7A-B9</u>
Date <u>July 10</u> 19 <u>76</u>	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By <u>C. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INSOL
94.5	97.5 ⁹⁹	S	SULFIDE ZONE - mainly argillaceous limestone with sl associated with calcite stringers. - 97 - 2" quartz vein with ga, py, cp, sl. - 98.5 - 3" ga-sl-gtz section. Assay 82-82.5 94.5-98.0 98.0-99.0	sl gascpp tr	0-10								
				sl	10	4165	0.5	0.8	7.50	6.38	23.9		
				sl/gascpp	0.5-5%	4166	3.5	3.0	1.38	0.63	1.94		
				gascpp	3-5	4167	1.0	0.8	47.7	26.2	6.29		
99	106		ARGILLACEOUS LIMESTONE - trace sulfide										
106	107.5		SULFIDE ZONE - 5-10% sl, abundant white calcite Assay 106-107.5	sl	5-10	4168	1.5	1.2	1.91	1.40	7.80		

RENTAL FEE ON DEPOSIT
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-130</u>
Date <u>July 18</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>118</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. <u>5112.7</u>	Page No. <u>3 of 3</u>

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R.G. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Eng 1</u>	Strike <u>N 30° E</u>	Lat. _____	Hole No. <u>74-B9</u>
Date <u>Sept. 19 74</u>	Section No. <u>15+50E</u>	Dip <u>-60°</u>	Dep. _____	Total Depth <u>115</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level <u>S-B4</u>	Elev. _____	Page No. <u>1 of 1</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
0	107	6	ARGILLACEOUS LIMESTONE 0-70 - strong cleavage at 50-70° 10-15% calcite/quartz stringers 70-107 - increased calcite-quartz stringers, 20-30%, locally to 6" width, locally minor py, po - cleavage not so strong, 60-70°										
107		S	SULFIDE ZONE ? - 1" stringer with galena.										
107	115	6	ARGILLACEOUS LIMESTONE - rich in quartz (110-112.5-2.5 v. 114) and calcite, with minor Fe sulfides, trace sl.										

D.G. MILLER
CONSULTING BIOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TULITNA SILVER</u>	Claim No. <u>Engle 6</u>	Strike <u>N 30° E</u>	Lat. _____	Hole No. <u>74-B10</u>
Date <u>Sept.</u> 19 <u>24</u>	Section No. <u>9+25 E</u>	Dip <u>-55°</u>	Dep. _____	Total Depth <u>113</u>
Logged By <u>C. Carlson</u>	Plan No. <u>74-B</u>	Level _____	Elev. _____	Page No. <u>1</u>

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WHITEHORSE YUKON TERRITORY

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* Locally the rock is highly
disrupted as a result of
intensive folding.

R.B. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTON SILVER</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>74-21</u>
Date <u>July 27</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>318</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 4</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION				ASSAY DATA					
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INSOL
		- 70 ft - locally pyritic below this point, especially in darker graphitic sections.										
93.5	104.0	SULFIDE ZONE										
		- argillaceous limestone, as above, but with sl, py, fr. py associated mainly with quartz seams.										
		- as in the no. 8 zone, zoning appears to be reversed from that in the 1234 zone, with sl at the top and py at the bottom.										
		- total sulfides are from 1-5%										
		Assay 93.5 - 97.0	sl, py	1-3	4157	3.5	3.5	0.15	0.05	1.40		
		97.0 - 99.0	sl / fr. py	5/12	4158	2.0	2.0	0.97	1.35	4.92		
		99.0 - 104.0	fr. py	1-5	4159	5.0	5.0	0.21	0.38	0.62		

R.G. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TITANIA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-C1</u>
Date <u>July 27</u> 19 <u>25</u>	Section No. _____	Dip _____	Dip. _____	Total Depth <u>718</u>
Logged By <u>G. Parker</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>389</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
104	156.8	ARGILLACEOUS LIMESTONE - typical, as above - 113-117 - black, carbonaceous, pyritic (BLACK ARGILLITE) - 138 - foliation 70-90°	py	tr.								
156.8	158	LAMPROPHYRE DIKE - fine grained, brown, with white, siliceous patches.										
158	174.5	ARGILLACEOUS LIMESTONE - as above but more highly distorted, similar in appearance to lower part. - locally rusty, especially near bottom of section.	py	1								

R.B. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>UNITED STATES</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-21</u>
Date <u>July 27</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>210</u>
Logged By <u>C. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>144</u>

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**R.G. NELSON
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY**

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Engle 4</u>	Strike <u>—</u>	Lat. <u>985.4</u>	Holo No. <u>74-C2</u>
Date <u>July 27</u> 19 <u>74</u>	Section No. <u>114005</u>	Dip <u>-90°</u>	Dep. <u>1100 ft.</u>	Total Depth <u>250</u>
Logged By <u>G. Carlson</u>	Plan No. <u>A-C</u>	Level <u>S-C1</u>	Elev. <u>5437.2</u>	Page No. <u>185</u>

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R.G. WILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>174-C2</u>
Date <u>July 27</u> 19 <u>76</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>258</u>
Logged By <u>C. Conner</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2/5</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO TREMO. CHLO. CRYSTALLINE SHEARING VEINS FRACTURING FOLIATION GRAIN SIZE TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL.
92	104	BLACK ARGILLITE - more or less transitional from argillaceous limestone.	PY	1-5								
104	176	ARGILLACEOUS LIMESTONE - 120 - strong foliation at ~95°, locally also at 0° - 150 - quartz and calcite stringers less abundant (~20%) - foliation persistent at 50°	PY/PD	1-3								
176	179	BLACK ARGILLITE - highly distorted, 50% quartz	PY	1-3								
179	214	ARGILLACEOUS LIMESTONE - all above but increasing quartz and calcite stringers at 50°										

R.G. MILNER
CONSULTING GEOLOGIST
WHITENORSE YUKON TERRITORY

PROPERTY <u>WYTHIA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-C2</u>
Date <u>July 27</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>250</u>
Logged By <u>E. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>15</u>

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R.S. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>78-02</u>
Date <u>July 27</u> 19 <u>77</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>758'</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>5</u>

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R.M. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>R-23</u>	Strike <u>N 50° E</u>	Lat. <u>90° 15'</u>	Hole No. <u>74-C3</u>
Date <u>July 28</u> 19 <u>74</u>	Section No. <u>104506</u>	Dip <u>-45°</u>	Dep. <u>1057.8</u>	Total Depth <u>173</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-C</u>	Level <u>S-C2</u>	Elev. <u>5439.3</u>	Page No. <u>1</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA						
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG
0	15	OVERBURDEN									
15	75	ARGILLACEOUS LIMESTONE 15-60 typical, secondary calcite and quartz veins/minerals - foliation quite strong, 50-60-70°	py	0-1							
75	78	LAMPROPHYRE - fine grained, light purple-brown, with white patches, to 1/4" diameter - very rich in biotite									
78	86	ARGILLACEOUS LIMESTONE as above - locally fine banding, calcite to foliation, some	py	0-1							

100

END OF HOLE

WHITE MOUNTAIN JUNIOR TERRITORY

P. N. 14-2

[illegible]

R.G. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>74-cd</u>
Date <u>July 30</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>200</u>
Logged By <u>G. Carter</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 2</u>

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R.S. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>THE MINA SUPER</u>	Claim No. <u>Engle 3</u>	Strike <u>N 50° E</u>	Lat. <u>1050.5</u>	Holo No. <u>74-C5</u>
Date <u>July 30</u> 19 <u>74</u>	Section No. <u>107000</u>	Dip <u>- 50°</u>	Dep. <u>999.5</u>	Total Depth _____
Logged By <u>G. C. Coker</u>	Plan No. <u>74-C</u>	Level <u>S-C3</u>	Elev. <u>5432.0</u> <u>5431.1</u>	Page No. <u>1</u>

[illegible]

R.G. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTING SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-05</u>
Date <u>July 30</u> 19 <u>24</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>128</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2-073</u>

[illegible]

R.B. HILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Engle 3</u>	Strike <u>N 50° E</u>	Lat. <u>1049.3</u>	Hole No. <u>74-C1</u>
Date <u>July 30</u> 19 <u>74</u>	Section No. <u>101003</u>	Dip <u>-60°</u>	Dep. <u>998.5</u>	Total Depth <u>112</u>
Logged By <u>C. Carlson</u>	Plan No. <u>74-C</u>	Level <u>S-C3</u>	Elev. <u>5432.0</u> <u>5432.0</u>	Page No. <u>1</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA					
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	% Ag	g Ag	g Au
0	6	OVERBURDEN								
6	50	ARGILLACEOUS LIMESTONE - typical, locally banded, foliation 70-80°	py, po	0.3						
50	51	LAMPROPHYRE								
51	112	ARGILLACEOUS LIMESTONE as above 77.82 - high siliceous, py, po locally to 5% 103-112 - as above; silty, to 10% Ass. 87; 100-100	py, po	5	1464	2.0	3.0	0.03	0.01	0.01

F.B. HILKEH
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-26</u>
Date <u>July 30</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>118</u>
Logged By <u>G. Carter</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

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R.E. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Engle 3</u>	Strike <u>N 45° E</u>	Lot. <u>205.3</u>	Hole No. <u>74-D1</u>
Date <u>July Aug 2</u> 19 <u>74</u>	Section No. <u>214006</u>	Dip <u>-90°</u>	Dep. <u>2099.0</u>	Total Depth <u>158</u>
Logged By <u>G. Cook</u>	Plan No. <u>74-D</u>	Locs <u>S-D1</u>	Elev. <u>5452.0</u>	Page No. <u>143</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA						
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG
0	7		OVERBURDEN									
7		z:	LIMESTONE (LOWER LIMESTONE?) - similar to unit z of griff A but with more variety. - locally circles & ovals of white siliceous material. - locally coarse 'breccia' of rounded grey limestone in matrix of darker grey argillaceous limestone - local patches of pyrite and pyrrhotite scattered throughout - usually a mild foliation has been imposed on the rock. - 30' - foliation - dip° to core axis.	pg, py cp	0-3 0-tr							

R.G. MILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TORTONA SUEDE</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-121</u>
Date <u>Aug 2</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>158</u>
Logged By <u>C. Carter</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 3</u>

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R.G. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-01</u>
Date <u>27 Aug 2</u> 19 <u>34</u>	Section No. _____	Dip _____	Dip. _____	Total Depth <u>158</u>
Logged By <u>G. Conner</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3 of 3</u>

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R.G. WILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>77-112</u>
Date <u>Dec 3</u> 19 <u>79</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>210</u>
Logged By <u>G. C. Cook</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>24</u>

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R.S. MILKEN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-02</u>
Date <u>Aug 3</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>268</u>
Logged By <u>C. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>384</u>

FOOTAGE				ROCK CLASSIFICATION	MINERALIZATION		ASSAY DATA							
From	To			EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL.
				150 - 170 - fewer stringers, somewhat darker color foliation 70-90°										
195	206			GREY ARGILLITE ? - mainly strongly broken, lightly rusted, veinlets of quartz and calcite, wispy with some crystal growth (fault?)	py/sp	1-2								
206	209	2		LIMESTONE										
209	211	1		GREY ARGILLITE - as above.										
211	250	2		LIMESTONE - mainly strongly mottled limestone - crystalline limestone 'breccia' - a little cherty at bottom	(py)sp	1-2								

R.G. HILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-D2</u>
Date <u>Aug 3</u> 19 <u>28</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>256</u>
Logged By <u>G. Crocker</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>1</u>

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R.G. MILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

SILVER	Claim No. <u>Boyle 3</u>	Strike <u>--</u>	Lat. <u>853.0</u>	Hole No. <u>74-D3</u>
19 <u>74</u>	Section No. <u>20400E</u>	Dip <u>-90</u>	Dep. <u>2000.5</u>	Total Depth <u>138</u>
<u>Camp</u>	Plan No. <u>74-D</u>	Level <u>S-D2</u>	Elev. <u>5457.3</u> 5574.7	Page No. <u>1 of 2</u>

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WHITEHORSE YUKON TERRITORY

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END OF HOLE.

WHITEHORSE YUKON TERRITORY

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[illegible]

R.G. MILKEN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TIMOTHY S. WOOD</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-104</u>
Date <u>Aug 6</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>80</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 2</u>

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WHITEHORSE YUKON TERRITORY

PROPERTY <u>MARTHA SUMER</u>	Claim No. <u>Engle 3</u>	Strike <u>N 54° E</u>	Loc. <u>619.5</u>	Plot No. <u>74-D5</u>
Date <u>Aug 6</u> 19 <u>28</u>	Section No. <u>21-1000</u>	Dip <u>-45°</u>	Dep. <u>710.6</u>	Total Depth <u>50</u>
Logged By <u>J. G. Carter</u>	Plan No. <u>74-D</u>	Level <u>S-D3</u>	Elev. <u>544.7</u>	Page No. <u>1 of 1</u>

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PAGE FIFTY-ONE
CONSULTING ENGINEER
WHITEHORSE YUKON TERRITORY

PROPERTY <u>LINZUM SILVER</u>	Claim No. <u>Purple 3</u>	Strike <u>N 50° E</u>	Lat. <u>912.1</u>	Hole No. <u>74-D6</u>
Date <u>Aug 4</u> 19 <u>78</u>	Section No. <u>214000E</u>	Dip <u>-70°</u>	Dep. <u>2106.4</u>	Total Depth <u>78</u>
Logged By <u>G. Carter</u>	Plan No. <u>74-D</u>	Level <u>S-D3</u>	Elev. <u>5445.7</u> <u>5310.5</u>	Page No. <u>1</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Hg	Pb	Zn	AU/AG	INSOL.
0	12		OVERBURDEN										
12	69.5	2	LOWER LIMESTONE 12-14 very broken. 14-22 - typical, seamed. 22-37 - mainly argillaceous - foliation / light cleavage at 40-50° 37- mainly light gray limestone, abundant stringers & patches. - foliation - 50° 69-69.5 - quartz vein.	py	to.								
69.5	78.5	S	SULFIDE ZONE - rusty zone with 3-5% S.P. on the surface of veins	Pb	2-3	2193	1"	10%	20	200			

The diagram shows a top-down view of the experimental setup. A subject is seated at a table, looking at a video screen. A video camera is positioned above the screen. A target is placed on the table. A horizontal arrow indicates the direction of movement from the starting point to the target.

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R.S. WILKIN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>LINTINE SILVER</u>	Claim No. <u>Engle</u>	Strike <u>N 50° E</u>	Lat. <u>9055</u>	Hole No. <u>74-D 7</u>
Date <u>Aug 4</u> 19 <u>74</u>	Section No. <u>214856</u>	Dip <u>-45°</u>	Dep. <u>2185.2</u>	Total Depth <u>1303</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-D</u>	Level <u>S-104</u>	Elev. <u>5437.7</u> <u>5517.23</u>	Page No. <u>1 of 3</u>

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R.S. HANCOCK
CONSULTING GEOLOGIST
WHITEHORSE, YUKON TERRITORY

PROPERTY <u>Tinian Surber</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>78-D7</u>
Date <u>Aug 4</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>130</u>
Logged By <u>J.G. Carter</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 3</u>

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R.A.B. WILKIN
CONSULTING GEOLOGIST
WHITENORSE YUKON TERRITORY

PROPERTY <u>TINTING SLICK</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>74-17</u>
Date <u>Aug 6</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>138</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>313</u>

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R.B. MILKEN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TIMBER SILVER</u>	Claim No. <u>Eagle 3</u>	Strike <u>N50°E</u>	Lat. <u>904.0</u>	Hole No. <u>74-D3</u>
Date <u>Aug 6</u> 19 <u>79</u>	Section No. <u>21+85R</u>	Dip <u>-60°</u>	Dep. <u>2155.2</u>	Total Depth <u>1581</u>
Logged By <u>C. Carter</u>	Plan No. <u>74-D</u>	Level <u>S-D4</u>	Elev. <u>5437.7</u>	Page No. <u>1</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA						
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG
0	13		OVERBURDEN									
13	122		LIMESTONE (MIDDLE) - mainly medium gray, abundant secondary calcite, light but pervasive foliation, 50-60° - sulfides very locally in patches, concentrated in narrow bands. - argillaceous and breccia zones relatively minor throughout section.	py, ps	tr.							
122	136	S	SULFIDE ZONE - limestone with local patches of sl, ga & very locally fr. - narrow band with sl, fr & minor op, ga at 123 (~1" width) Assay: 122-123 123-124 124-125	sl, ga, py, fr	13/100	4101	1.0	6.0	1587	0.72	0.57	
				sl, ga	3.9	4102	5.0	5.0	1.97	0.95	1.69	
				sl, fr	13	4103	3.0	3.0	0.77	0.22	0.58	

R.G. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SUMER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-10</u>
Date <u>4 Aug 6</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>150</u>
Logged By <u>G. C. Carter</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

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R.B. MILLER
CONSULTING GEOLOGIST
WHITENORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Eagle 3</u>	Strike <u>NS 0° E</u>	Lat. <u>953.5</u>	Hole No. <u>74-D9</u>
Date <u>Aug 7 19 74</u>	Section No. <u>224500</u>	Dip <u>- 45°</u>	Dep. <u>2254.2</u>	Total Depth <u>120</u>
Logged By <u>C. Carlson</u>	Plan No. <u>74-D</u>	Level <u>S-D5</u>	Elev. <u>5428.9</u> <u>5428.9</u>	Page No. <u>1</u>

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1945-

R.G. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>7A-D10</u>
Date <u>Aug 8</u> 19 <u>29</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>198</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

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R. G. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-D10</u>
Date <u>Aug 8</u> 19 <u>77</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>148</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL.
101.5	102	LIMESTONE										
102	104.5	LAMPROPHYRE - as above - in both sections it is somewhat broken with light rusting and bleaching.										
104.5	109	LIMESTONE - broken and lightly rusted, especially near upper contact.										
109	111	LAMPROPHYRE - as above.										
111	148	LIMESTONE - mainly light to medium grey, few argillaceous sections - foliation strong etc. - locally light chert with argillaceous matrix	py	tr								

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- END OF HOLE

R.M. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Egls 3</u>	Strike <u>N50°E</u>	Lat. <u>576.7</u>	Hole No. <u>74-D11</u>
Date <u>Aug 8</u> 19 <u>74</u>	Section No. <u>234005</u>	Dip <u>-45°</u>	Dep. <u>234.9</u>	Total Depth <u>120</u>
Logged By <u>C. Carlson</u>	Plan No. <u>74-D</u>	Level <u>S-DX</u>	Elev. <u>5437.5</u> <u>5522.1</u>	Page No. <u>1 of 2</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INS
0	12	OVERBURDEN										
12	21.5	LIMESTONE - few small patches of lamprophyre, close to contact - fine grained, very light purple-brown colour - minor very fine oriented py.	py	to								
21.5	26	LAMPROPHYRE - medium - fine grained, fresh appearance.										
26	43.5	LIMESTONE - mainly very patchy or mottled appearance										
43.5	7	SULFIDE zone - mainly ss in limestone										

12524 12525 12526 12527 12528 12529 12530 12531 12532 12533 12534 12535 12536 12537 12538 12539 12540 12541 12542 12543 12544 12545 12546 12547 12548 12549 12550 12551 12552 12553 12554 12555 12556 12557 12558 12559 12560 12561 12562 12563 12564 12565 12566 12567 12568 12569 12570 12571 12572 12573 12574 12575 12576 12577 12578 12579 12580 12581 12582 12583 12584 12585 12586 12587 12588 12589 12590 12591 12592 12593 12594 12595 12596 12597 12598 12599 12600 12601 12602 12603 12604 12605 12606 12607 12608 12609 12610 12611 12612 12613 12614 12615 12616 12617 12618 12619 12620 12621 12622 12623 12624 12625 12626 12627 12628 12629 12630 12631 12632 12633 12634 12635 12636 12637 12638 12639 12640 12641 12642 12643 12644 12645 12646 12647 12648 12649 12650 12651 12652 12653 12654 12655 12656 12657 12658 12659 12660 12661 12662 12663 12664 12665 12666 12667 12668 12669 12670 12671 12672 12673 12674 12675 12676 12677 12678 12679 12680 12681 12682 12683 12684 12685 12686 12687 12688 12689 12690 12691 12692 12693 12694 12695 12696 12697 12698 12699 12700 12701 12702 12703 12704 12705 12706 12707 12708 12709 12710 12711 12712 12713 12714 12715 12716 12717 12718 12719 12720 12721 12722 12723 12724 12725 12726 12727 12728 12729 12730 12731 12732 12733 12734 12735 12736 12737 12738 12739 12740 12741 12742 12743 12744 12745 12746 12747 12748 12749 12750 12751 12752 12753 12754 12755 12756 12757 12758 12759 12760 12761 12762 12763 12764 12765 12766 12767 12768 12769 12770 12771 12772 12773 12774 12775 12776 12777 12778 12779 12780 12781 12782 12783 12784 12785 12786 12787 12788 12789 12790 12791 12792 12793 12794 12795 12796 12797 12798 12799 12800 12801 12802 12803 12804 12805 12806 12807 12808 12809 12810 12811 12812 12813 12814 12815 12816 12817 12818 12819 12820 12821 12822 12823 12824 12825 12826 12827 12828 12829 12830 12831 12832 12833 12834 12835 12836 12837 12838 12839 12840 12841 12842 12843 12844 12845 12846 12847 12848 12849 12850 12851 12852 12853 12854 12855 12856 12857 12858 12859 12860 12861 12862 12863 12864 12865 12866 12867 12868 12869 12870 12871 12872 12873 12874 12875 12876 12877 12878 12879 12880 12881 12882 12883 12884 12885 12886 12887 12888 12889 12890 12891 12892 12893 12894 12895 12896 12897 12898 12899 12900 12901 12902 12903 12904 12905 12906 12907 12908 12909 12910 12911 12912 12913 12914 12915 12916 12917 12918 12919 12920 12921 12922 12923 12924 12925 12926 12927 12928 12929 12930 12931 12932 12933 12934 12935 12936 12937 12938 12939 12940 12941 12942 12943 12944 12945 12946 12947 12948 12949 12950 12951 12952 12953 12954 12955 12956 12957 12958 12959 12960 12961 12962 12963 12964 12965 12966 12967 12968 12969 12970 12971 12972 12973 12974 12975 12976 12977 12978 12979 12980 12981 12982 12983 12984 12985 12986 12987 12988 12989 12990 12991 12992 12993 12994 12995 12996 12997 12998 12999 13000

R.G. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Holo No. <u>7A-DH</u>
Date <u>Aug 8</u> 19 <u>76</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>120</u>
Logged By <u>E. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

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R.S. WALKER
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WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Eagle</u>	Strike <u>-</u>	Lat. <u>973.2</u>	Hole No. <u>7A-D12</u>
Date <u>Aug 13</u> 19 <u>74</u>	Section No. <u>23+00E</u>	Dip <u>-90°</u>	Dep. <u>2316.9</u>	Total Depth <u>148</u>
Logged By <u>C. Carlson</u>	Plan No. <u>74-D</u>	Level <u>S-D6</u>	Elev. <u>5437.5</u> 5500.1	Page No. <u>182</u>

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R.B. MILKEN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TIMBER SILVER</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>79-D12</u>
Date <u>Aug 8</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>198</u>
Logged By <u>G. Carlen</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL.
99	101	LAMPROPHYRE										
101	104.5	LIMESTONE - strongly sheared.										
104.5	105	LAMPROPHYRE										
105	113	LIMESTONE -105-108 - strongly sheared, argillaceous. -108+ - patchy - but still strongly sheared.										
113	117	LAMPROPHYRE										
117	118	LIMESTONE										
118	120	LAMPROPHYRE										
120	140	LIMESTONE - mainly "mottled" grey, light grey - fossiliferous - lots of										

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R.G. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Page 5</u>	Strike <u>S 50° W</u>	Lat. <u>79° 22'</u> <u>235 7.3</u>	Hole No. <u>74-D-13</u>
Date <u>Aug 9</u> 19 <u>74</u>	Section No. <u>23+000</u>	Dip <u>-40°</u>	Dep. <u>7309.3</u> <u>5451.4</u>	Total Depth <u>150.00</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-D</u>	Level <u>3-D7</u>	Elev. <u>5510</u>	Page No. <u>1</u>

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R.B. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-713</u>
Date <u>Aug 9</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>15880</u>
Logged By <u>C. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	IN.
32.5	62	LIMESTONE	PO, PY	0-2								
		<div>- mainly light grey, mottled, local argillaceous sections.</div> <div>- PO + PY appears to be associated mainly with argillaceous material</div> <div>- foliation quite variable, 10-50°, average 30° → change in argillaceous rock.</div>										
62	80	LAMPROPHYRE										
		<div>- fine to medium grained</div> <div>- typical, biotitic, and white patches of variable size and concentration throughout, mainly less than 1/4" diameter</div> <div>- biotite shows light foliation, 0-20° to core down.</div>										

80

END OF HOLE

11. 12. 13. 14. 15.

54

[illegible]

R.G. MILNER
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WHITEHORSE YUKON TERRITORY

PROPERTY <u>ANTONIA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-114</u>
Date <u>Aug 9</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>150</u>
Logged By <u>G. Parker</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2-14</u>

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R.S. MILKEN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-D14</u>
Date <u>Aug 9</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>150</u>
Logged By <u>G. Carke</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3/4</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INCO
94.8	97.0	SULFIDE ZONE - approx 1-2" band with 20% sil, 20% ga. Assay: 94.0-97.0	sl, ga	1	4190	3.0	3.0	2.12	1.58	0.53		
97.0	118.5	LIMESTONE - mainly sheared, argillaceous 109-118.5 - strongly sheared argillite 'breccia'										
118.5	120	ARGILLITE - massive - cleavage very weak - almost quartzitic	py, pc	3-5								
120	124	LIMESTONE - argillaceous	py, pc	0-2								
124	134	ARGILLITE - as above but pyf	py, pc	3-5								

1 2 3 4 5

79

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R.G. MILNER
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WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Mole No. <u>74-1215</u>
Date <u>Aug 14</u> 19 <u>78</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>120</u>
Logged By <u>C. Condon</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

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R.G. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTON SUBS.</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>74-115</u>
Date <u>Aug. 18</u> 19 <u>79</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>128</u>
Logged By <u>G. Conklin</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3 of 3</u>

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R.B. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Engle 5</u>	Strike <u>8 -</u>	Lat. <u>62° 4'</u>	Hole No. <u>74-1216</u>
Date <u>Aug 14</u> 19 <u>74</u>	Section No. <u>237-575</u>	Dip <u>-90°</u>	Dep. <u>2403.5</u>	Total Depth <u>100</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-12</u>	Level <u>5-DG</u>	Elev. <u>5455.8</u> <u>5450.4</u>	Page No. <u>1/2</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Hg	Pb	Zn	AU/AG	INSO
0	8		OVERBURDEN										
8	83.6	2	LOWER LIMESTONE 8-11 - mottled 11-18 - argillaceous 18-32 - mainly mottled, some lightly argillaceous sections. 32-72 - mainly argillaceous foliation/cleavage light, 20-30° 72-83.6 - mottled.	py	0-1								
83.6	85.8	5	SULFIDE ZONE - somewhat argillaceous limestone with ~5% gal (locally to 8%) and 5-10% sf. - foliation (also sulfides?) approx 40° to core area										
ANAL 83.6-85.8				sf.	5%	4195	2.2	2.2	7.27	7.95	5.40		

R.B. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-D16</u>
Date <u>Aug 18</u> 19 <u>78</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>100</u>
Logged By <u>B. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 2</u>

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R.G. MILKEN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTING SILVER</u>	Claim No. <u>Ex 45</u>	Strike <u>N 50° W</u>	Lot. <u>8319</u>	Hole No. <u>74-D17</u>
Date <u>Aug 14</u> 19 <u>74</u>	Section No. <u>23+50E</u>	Dip <u>-45°</u>	Dep. <u>24035</u>	Total Depth <u>88</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-D</u>	Level <u>S-D9</u>	Elev. <u>5455.8</u>	Page No. <u>1 of 2</u>

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ELI WILKINS
GENERAL FUR BUSINESS
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>24-D17</u>
Date <u>Aug 12</u> 19 <u>78</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>88</u>
Logged By <u>G. Conker</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 2</u>

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WHITEHORSE YUKON TERRITORY

Page No. 172

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R.B. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTING SILVER</u>	Claim No. <u>Eng 5</u>	Strike <u>N50°E</u>	Lat. <u>810.3</u>	Hole No. <u>74-D19</u>
Date <u>Aug 15</u> 19 <u>74</u>	Section No. <u>24+50°E</u>	Dip <u>-65°</u>	Dep. <u>2451.5</u>	Total Depth <u>148</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-12</u>	Level <u>S-D10</u>	Elev. <u>5463.7</u> 5463.0	Page No. <u>1812</u>

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R.S. MURPHY
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>JUNIOR SALT</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>7A-719</u>
Date <u>Aug 15</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>148</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>272</u>

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R.D. HILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SPLIT</u>	Claim No. <u>Page 5</u>	Strike <u>N50°E</u>	Lat. <u>62°42'</u>	Hole No. <u>74-D20</u>
Date <u>Aug 17 19 74</u>	Section No. <u>257006</u>	Dip <u>-4.5°</u>	Dep. <u>2500.3</u>	Total Depth <u>70</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-D</u>	Level <u>S-D11</u>	Elev. <u>5461.9</u>	Page No. <u>18/2</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA					
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Ph	ESL
0	10		OVER BURDEN								
10	38	2	LOWER LIMESTONE								
			- mainly argillaceous with strong foliation and cleavage - 60-70° to core axis. few lighter grey mottled sections.								
38	52.5	5	SULFIDE ZONE								
			- limestone, mainly argillaceous, as above, but with more calcite stringers, and with average 5% slaggy throughout - mainly stringers and patches with calcite.								
			Assay 30.0-40.0	slaggy, 25%	7200	50	50	1.68	1.60	1.62	
			100-115	slaggy, 15%	7205	15	15	2.00	1.65	1.12	
			115-120	slaggy, 15%	7210	15	15	1.60	1.60	1.60	
			120-125	slaggy, 15%	7215	15	15	1.70	1.60	1.60	

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WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>24-D20</u>
Date <u>Aug 17</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>30</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>272</u>

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F.L.S. MILLARD
CONSULTING GEOLOGIST
WHITENORSE YUKON TERRITORY

PROPERTY <u>TERRA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-021</u>
Date <u>Aug. 17</u> 19 <u>74</u>	Section No. _____	Dip _____	Dip _____	Total Depth <u>108</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INSOL
38	42	5	SULFIDE ZONE - mainly dark, sheared, argillaceous limestone with 1-3% sl, py, py, mainly associated with calcite / quartz stringers.										
			ASSAY: 38.0-42.0	sl/py/gc	13/4	4208	4.0	4.0	0.38	0.09	0.87		
42	108	2	LOWER LIMESTONE 42-54 - mainly argillaceous, strong foliation / cleavage 54 - narrow (6") rusty shear with abundant py (20%) 54.5 - 108 - argillaceous but relatively light gray, abundant secondary calcite, 1 cm 'rotted' sections, strong cleavage / foliation at 45° to horizontal	py	0-1								

108

END OF HOLE 74-021 - 108' DEEP

R.B. WILKINSON
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TIMBER SILVER</u>	Claim No. <u>Eagle 5</u>	Strike <u>N50°E</u>	Loc. <u>B35.6</u>	Hole No. <u>74-D22</u>
Date <u>Aug. 17</u> 19 <u>74</u>	Section No. <u>2500E</u>	Dip <u>-85°</u>	Dep. <u>2500.3</u>	Total Depth <u>100</u>
Logged By <u>R. Carlson</u>	Plan No. <u>74-D</u>	Level <u>S-D11</u>	Elev. <u>5461.9</u>	Page No. <u>1 of 2</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE	MINERALIZATION				ASSAY DATA					
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Ag	Pb	Zn	AU/AG	INSOL
0	10		OVERBURDEN										
10	21.5	2	LOWER LIMESTONE										
			-10-17- mottled, lightly rusted										
			-17-20- rusty, vuggy										
			-20-20.5- Faint breccia										
			-20.5-21.5- mottled, lightly rusted										
21.5	73.0	5	SULFIDE ZONE										
			- mainly argillaceous limestone										
			with varying amounts of										
			sl, ga & py										
			ASSAY: 21.5-23.5	sl/py/ga	30/31	4209	2.0	2.0	6.76	1.88	10.6		
			23.5-28.0	sl/py/ga	5/10	4210	4.5	4.5	0.18	0.09	0.75		
			28.0-33.0	sl/py/ga	5/10	4211	5.0	5.0	0.06	0.01	0.55		
			33.0-38.0	sl/py/ga	5/10	4212	5.0	5.0	0.03	0.03	1.30		
			38.0-43.0	sl/py/ga	5/10	4213	5.0	5.0	1.03	0.47	0.35		
			43.0-48.0	sl/py/ga	33/1	4214	1.0	6.0	0.91	0.15	1.32		

R.G. MILKIN
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WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-D22</u>
Date <u>Aug. 17</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>108</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

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R.B. MILLER
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WHITEMORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Eagle 6</u>	Strike <u>N50°E</u>	Loc. <u>820-7</u>	Hole No. <u>74-D23</u>
Date <u>Aug 18</u> 19 <u>74</u>	Section No. <u>25756</u>	Dip <u>-50°</u>	Dep. <u>2540.6</u>	Total Depth <u>108</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-D</u>	Level <u>S-D12</u>	Elev. <u>5465.1</u> <u>5529.7</u>	Page No. <u>1</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA						
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	Hg	Pb	Zn	AU/AG
0	12		OVERBURDEN									
12		2	LOWER LIMESTONE	py	0-1							
			- variety of sheared argillaceous and mottled limestone.									
			12-25 - mottled with argillaceous sections - foliation light ~ 50 to 60°									
			25-80 - mainly argillaceous, few mottled sections.									
			80.5 - 1" band 90% galena	← ga	90							
			82-85.4 - rusty, broken, light breccia with secondary calcite									
85.4	86.4	5	SULFIDE ZONE									
			- breccia-type zone, as above, 10% ga with calcite, 5% sil with ga and in breccia.									
			Assay 85.4-86.4	ga/sil	10/51			1.0	1.0	3.68	7.50	3.30
					10/51							

R.S. MILNE
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-D73</u>
Date <u>Aug. 18</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>103</u>
Logged By <u>G. Carlson.</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 2</u>

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R.B. MILKEN
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>Yukon Sliver</u>	Claim No. <u>Eng 25</u>	Strike <u>N 50° E</u>	Lat. <u>61° 0'</u>	Hole No. <u>7A-D24</u>
Date <u>Aug. 18</u> 19 <u>74</u>	Section No. <u>25750E</u>	Dip <u>-70°</u>	Dep. <u>2548.6</u>	Total Depth <u>128</u>
Logged By <u>G. Cullen</u>	Plan No. <u>7A-D</u>	Level <u>S-D12</u>	Elev. <u>5465.1</u> <u>5529.7</u>	Page No. <u>10/1</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL.
0	10		OVERBURDEN										
10	124	2	LOWER LIMESTONE	Py	0.1								
			- interlayered argillaceous and mottled.										
			- foliation generally prominent ~80°										
			- often cleavage in argillaceous samples										
			- secondary calcite patches often rounded in oval.										
			- 80-95 - dominantly 'mottled' but with strong foliation										
			- 80-115 - more argillaceous										
			- 115-125 - darker, argillaceous, graphitic										
124	128	1	LOWER ARGILLITE	Py	1-3								
			- fine grained, calc. thin bedded, plane in 70° (10°)										

128

END OF HOLE

D.S. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Engle 6</u>	Strike <u>-</u>	Lat. <u>2548.6 817.8</u>	Hole No. <u>74-D25</u>
Date <u>Aug 18</u> 19 <u>74</u>	Section No. <u>25450E</u>	Dip <u>-90°</u>	Dep. <u>2548.6</u>	Total Depth <u>128</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-0</u>	Level <u>- 5-D12</u>	Elev. <u>5465.1</u> <u>5529.7</u>	Page No. <u>15/1</u>

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D.B. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>ANTINIA SILVER</u> Date <u>Aug 19</u> 19 <u>79</u> Logged By <u>G. Cuker</u>	Claim No. <u>Pagles</u> Section No. <u>251002</u> Plan No. <u>74-D</u>	Strike <u>-</u> Dip <u>-90°</u> Level <u>S-D13</u>	Lat. <u>773.3</u> Dep. <u>2499.6</u> Elev. <u>5464.9</u>	Hole No. <u>74-D26</u> Total Depth <u>200</u> Page No. <u>1 of 3</u>
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FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TRENO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
0	16		OVERBURDEN										
16	53.5	2	LOWER LIMESTONE - mainly argillaceous, sheared, foliated 20-30' - local lighter grey 'mottled' patches.	py	0-1								
53.5	53.6	5	SULFIDE ZONE - narrow 1/2" zone with gal & mnd py - irregular, fracture filling.	gal py	50								
53.6	92	2	LOWER LIMESTONE - alternating shaly argillaceous and mottled	py, sp	0-1								

R.G. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-026</u>
Date <u>Aug 19</u> 19 <u>74</u>	Section No. _____	Dip _____	Dop. _____	Total Depth <u>208</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

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**R.S. WHITEHEAD
CONSULTING GEOLOGIST
WHITENDORSE YUKON TERRITORY**

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>79-027</u>
Date <u>Aug 19</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>200</u>
Logged By <u>G. Conker</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>7</u>

ASSAY DATA

[illegible]

GENUINE COLLECTION
WHITEHORSE YUKON TERRITORY

PROPERTY <u>LINTINA SILVER</u>	Claim No. <u>Engel</u>	Strike <u>N50°E</u>	Lot. <u>77-5</u>	Hole No. <u>74-D28</u>
Date <u>Aug 19</u> 19 <u>79</u>	Section No. <u>29-50E</u>	Dip <u>-65°</u>	Dep. <u>2450.5</u>	Total Depth <u>221</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-D</u>	Level <u>3-DIS</u>	Elev. <u>5464.9</u>	Page No. <u>1</u>

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D. G. WILSON
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. <u>77° 45'</u>	Hole No. <u>77-028</u>
Date <u>Aug 19</u> 19 <u>78</u>	Section No. _____	Dip _____	Dep. <u>2150.5</u>	Total Depth <u>221</u>
Logged By <u>C. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>7</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
135	139	1	LOWER ARGILLITE	py, po	1-3								
139	143		ARGILLACEOUS LIMESTONE	"									
143	157		ARGILLITE - dense, fine grained, light cleavage at 60°	"									
157	182		ARGILLACEOUS LIMESTONE - very strong foliation & light cleavage at 55° - pyrite locally to 10%, clusters of cubes. - 168.5-171 - very dark, massive, argillaceous.	py	1-10								
182	187		ARGILLITE - locally calcareous.										
187	207		ARGILLACEOUS LIMESTONE										
207	221		ARGILLITE 207-215 - rusty, broken, partially cemented by quartz & calcite - light rust - generally fine grained, low grade										

221

END of 77

R.E. MILLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Eagle</u>	Strike <u>N50°E</u>	Lat. <u>645.3</u>	Hole No. <u>74-029</u>
Date <u>Aug 20</u> 19 <u>74</u>	Section No. <u>22+500</u>	Dip <u>-45°</u>	Dep. <u>2253.3</u>	Total Depth <u>258</u>
Logged By <u>G. Carlson</u>	Plan No. <u>74-D</u>	Level <u>S-18</u>	Elev. <u>5470.3</u> <u>5530.5</u>	Page No. <u>1</u>

[illegible]

R.G. HILLMAN
GEOLOGICAL RECONNAISSANCE
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>Engle</u>	Strike <u>N50°E</u>	Lat. <u>64°46'45.3"</u>	Hole No. <u>79-D79</u>
Date <u>Aug 20</u> 19 <u>74</u>	Section No. <u>22+500</u>	Dip <u>-45°</u>	Dep. <u>7253.3</u>	Total Depth <u>200</u>
Logged By <u>G. Coulson</u>	Plan No. <u>74-D</u>	Level <u>S-D16</u>	Elev. <u>5534.9</u>	Page No. <u>2</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL.
68		2	LOWER LIMESTONE	Py	0.2								
			- mottled variety, but strong foliated, somewhat argillaceous - foliation ~ 60°										
			-81-86 - argillaceous, broken, rusty -86-98 - mottled -98-130 - mainly argillaceous, strong foliation/lineage ~ 60° - generally somewhat broken, light rust. - secondary quartz-calc. stringers very abundant.										
			-130-154 - mottled, but some argillite throughout, strong shears! -154-159 - sheared argillaceous -159-168 - mottled. -168-207 - sheared, dark, argillaceous, some mottled sections. 207-208 - mottled. 208-209 - mottled.										

200

R.G. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-E1</u>
Date <u>Sept 19 74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>151</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

[illegible]

R.B. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TRINITY SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-151</u>
Date <u>Sept.</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>151</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3073</u>

[illegible]

R.G. INDIKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>EAGLE 2</u>	Strike <u>N 20° W</u>	Lot. _____	Hole No. <u>74-E2</u>
Date <u>Sept.</u> 19 <u>21</u>	Section No. _____	Dip <u>- 55°</u>	Dep. _____	Total Depth _____
Logged By <u>C. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>1</u>

[illegible]

R.S. WILKER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>74-E2</u>
Date <u>Sept</u> 19 <u>74</u>	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

[illegible]

R.B. INGLER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>79-52</u>
Date <u>Sept.</u> 19 <u>24</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>151</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3</u>

[illegible]

R.G. MILNER
CONSULTING GEOLOGIST
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TILTINA SILVER</u>	Claim No. <u>PAUL 2</u>	Strike <u>N 55° W</u>	Lat. _____	Hole No. <u>74-P3</u>
Date <u>Sept 19 74</u>	Section No. _____	Dip <u>-55°</u>	Dep. _____	Total Depth <u>61</u>
Logged By <u>G. Carlson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>1</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
0	27.5	4	UPPER LIMESTONE										
			- locally mottled texture, less than 10% calcite stringers										
27.5	61.0	3	MIDDLE ARGILLITE	py, po	3-7								
			- mainly massive or lightly banded										
			- foliation 40-60°										
			- banding ~20°										
			- py, po disseminated finely throughout, locally coarser patches										
			- 28-31 - siliceous, somewhat limy										
			- 52-55 - quartz, calcite with py, as?										

61 END OF HOLE

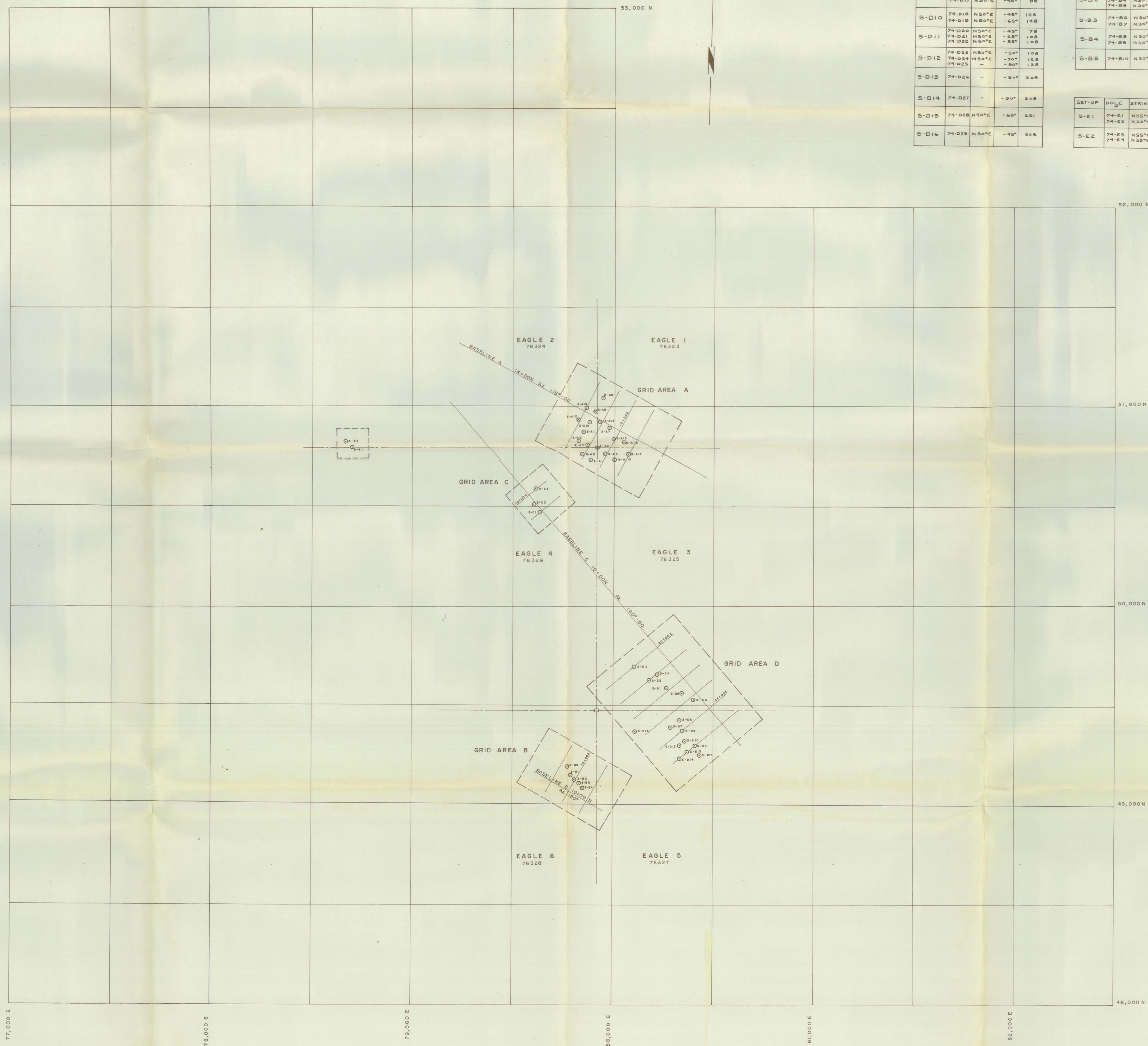
BUREAU OF MINES
GEOLOGICAL SURVEY
WHITEHORSE YUKON TERRITORY

PROPERTY <u>TINTINA SILVER</u>	Claim No. <u>547</u>	Strike <u>N 35° W</u>	Lot. _____	Hole No. <u>79-154</u>
Date <u>Sept. 19 74</u>	Section No. _____	Dip <u>-45°</u>	Dep. _____	Total Depth <u>40</u>
Logged By <u>C. Coulson</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>1</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
0	30	4	UPPER LIMESTONE - typical, 30-50% white calcite veinlets										
30	31.5		FAULT										
31.5	40	3	MIDDLE ARGILLITE 31.5-34 - rather siliceous, sulfide rich - 3" banded oxidized py/po at 34' 36-37 FAULT 37-40 - typical, medium grey, lightly banded at 30°, 8' Solidation 40-60°	py, po	3-7								

40

RND OF HOLE



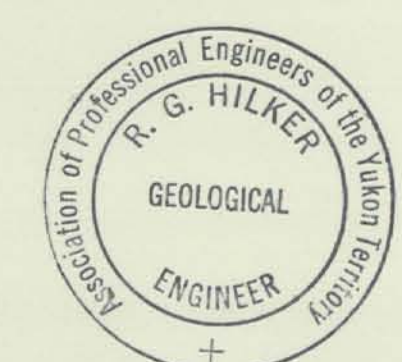
GRID AREA 'D'				
SET-UP	HOLE	STRIKE	DIP	DEPTH
S-D1	74-D1	N50°E	-90°	158
	74-D2	N50°E	-45°	248
S-D2	74-D3	N50°E	-90°	138
	74-D4	N50°E	-45°	88
S-D3	74-D5	N50°E	-45°	50
	74-D6	N50°E	-70°	78
S-D4	74-D7	N50°E	-45°	138
	74-D8	N50°E	-70°	158
S-D5	74-D9	N50°E	-45°	120
	74-D10	N50°E	-70°	141
S-D6	74-D11	N50°E	-45°	120
	74-D12	N50°E	-90°	148
S-D7	74-D13	N50°E	-40°	80
	74-D14	N50°E	-90°	150
S-D8	74-D15	N50°E	-80°	128
S-D9	74-D16	N50°E	-90°	100
	74-D17	N50°E	-45°	88
S-D10	74-D18	N50°E	-45°	128
	74-D19	N50°E	-65°	148
S-D11	74-D20	N50°E	-45°	78
	74-D21	N50°E	-65°	108
	74-D22	N50°E	-85°	108
S-D12	74-D23	N50°E	-50°	108
	74-D24	N50°E	-70°	128
	74-D25	N50°E	-50°	128
S-D13	74-D26	N50°E	-90°	208
S-D14	74-D27	N50°E	-90°	208
S-D15	74-D28	N50°E	-65°	221
S-D16	74-D29	N50°E	-45°	208

GRID AREA 'C'				
SET-UP	HOLE	STRIKE	DIP	DEPTH
S-C1	74-C1	N50°E	-60°	218
	74-C2	N50°E	-90°	258
S-C2	74-C3	N50°E	-45°	178
	74-C4	N50°E	-65°	200
S-C3	74-C5	N50°E	-40°	128
	74-C6	N50°E	-60°	120

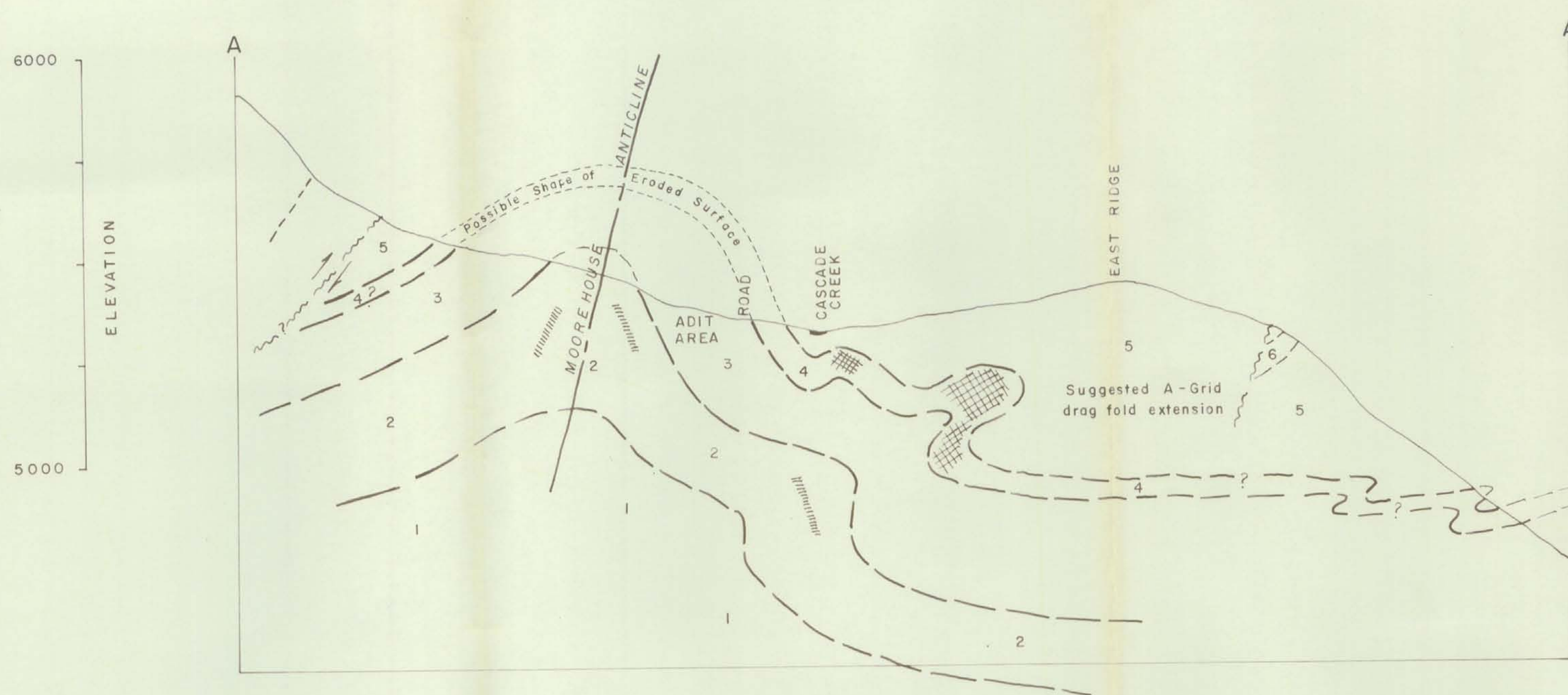
GRID AREA 'B'				
SET-UP	HOLE	STRIKE	DIP	DEPTH
S-B1	74-B1	N30°E	-90°	144
	74-B2	N30°E	-60°	88
S-B2	74-B3	N30°E	-90°	150
	74-B4	N30°E	-45°	100
	74-B5	N30°E	-65°	127
S-B3	74-B6	N30°E	-60°	116
	74-B7	N30°E	-45°	109
S-B4	74-B8	N30°E	-45°	118
	74-B9	N30°E	-60°	115
S-B5	74-B10	N30°E	-55°	113

SET-UP	HOLE	STRIKE	DIP	DEPTH
S-E1	74-E1	N55°W	-55°	180
	74-E2	N20°W	-55°	151
S-E2	74-E3	N55°W	-55°	41
	74-E4	N35°W	-45°	40

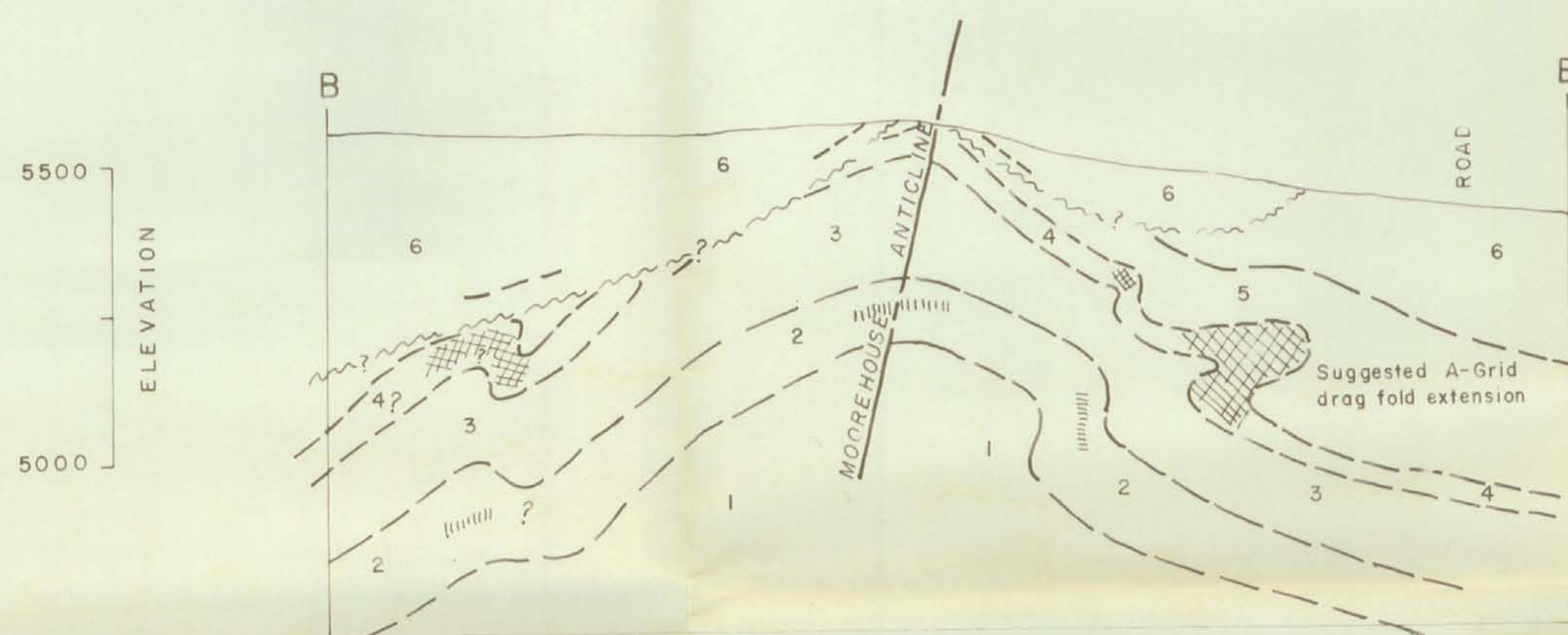
GRID AREA 'A'				
SET-UP	HOLE	STRIKE	DIP	DEPTH
S-A1	74-A1	N28°E	-90°	148
	74-A2	N28°E	-45°	136
	74-A3	N28°E	-60°	104
S-A2	74-A4	N28°E	-55°	108
	74-A5	N28°E	-75°	76
	74-A6	N28°E	-85°	75
S-A3	74-A7	N28°E	-90°	85
	74-A8	N28°E	-60°	107
	74-A9	N28°E	-50°	54
S-A4	74-A10	N28°E	-90°	98
	74-A11	N28°E	-70°	54
	74-A12	N28°E	-50°	207
S-A5	74-A13	N28°E	-90°	92
	74-A14	N28°E	-50°	108
	74-A15	N28°E	-70°	74
S-A6	74-A16	N28°E	-90°	58
	74-A17	N28°E	-45°	78
S-A7	74-A18	N28°E	-90°	104
	74-A19	N28°E	-45°	178
	74-A20	N28°E	-65°	145
S-A8	74-A21	N28°E	-90°	98
	74-A22	N28°E	-45°	158
S-A9	74-A23	N28°E	-90°	108
	74-A24	N28°E	-45°	106
	74-A25	N28°E	-45°	118
S-A10	74-A26	N28°E	-90°	68
	74-A27	N28°E	-45°	117
S-A11	74-A28	N28°E	-90°	48
	74-A29	N28°E	-45°	78
S-A12	74-A30	N28°E	-90°	179
	74-A31	N28°E	-45°	88
S-A13	74-A32	N28°E	-90°	100
	74-A33	N28°E	-45°	128
	74-A34	N28°E	-50°	98
S-A14	74-A35	N28°E	-90°	95
	74-A36	N28°E	-50°	108
S-A15	74-A37	N28°E	-90°	118
	74-A38	N28°E	-50°	178
	74-A39	N28°E	-70°	108
S-A16	74-A40	N28°E	-90°	138
	74-A41	N28°E	-70°	150
	74-A42	N28°E	-50°	118
S-A17	74-A43	N28°E	-90°	118
	74-A44	N28°E	-45°	118
	74-A45	N28°E	-60°	108
	74-A46	N28°E	-35°	108
S-A18	74-A47	N28°E	-70°	110



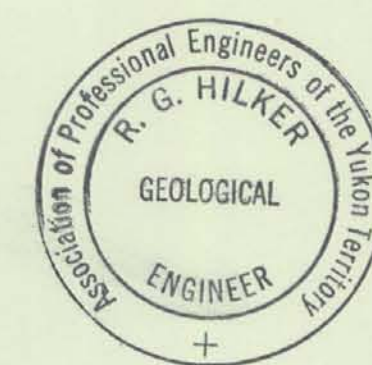
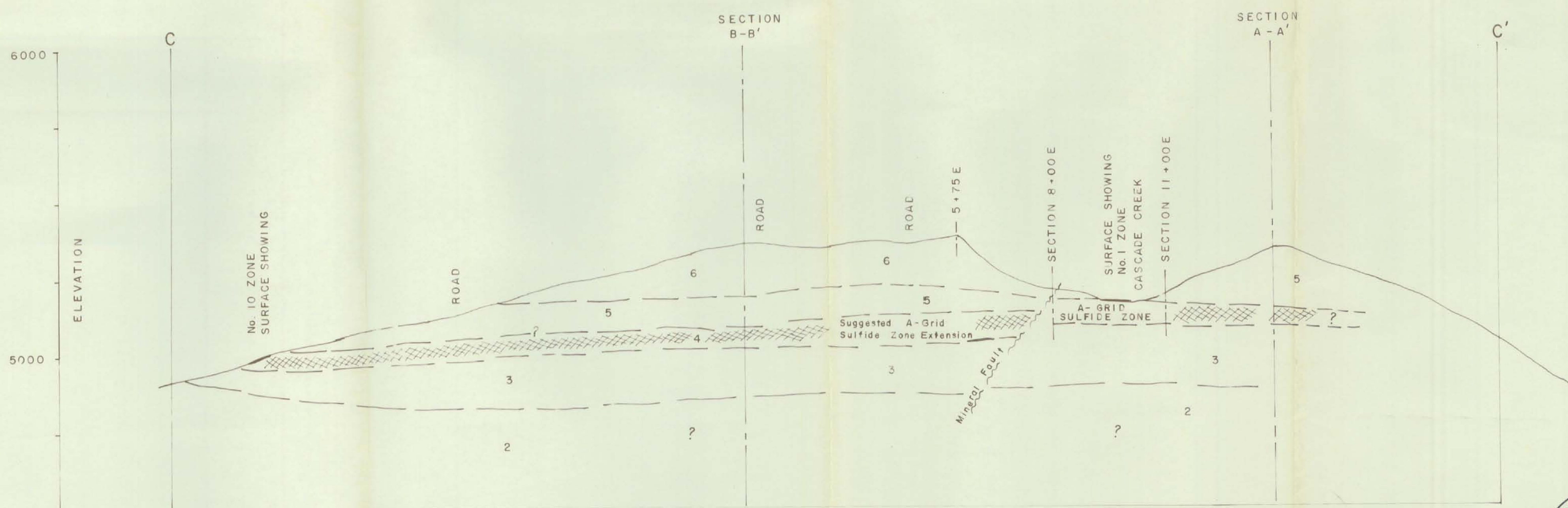
R. G. HILKER LTD.
CONSULTING GEOLOGIST
WHITEHORSE, Y.T.



- GEOLOGY LEGEND -**
- CENOZOIC**
 (o.b.) Overburden
- MESOZOIC**
 (L) Lamprophyre
- PALEOZOIC**
CAMBRIAN
TINTINA SERIES
- | | |
|---|------------------------|
| 6 | Argillaceous limestone |
| 5 | Black argillite |
| 4 | Upper limestone |
| 3 | Middle argillite |
| 2 | Lower limestone |
| 1 | Lower argillite |
| S | Sulfide zone |



- POTENTIAL MINERALIZED ZONES**
- ▨ - A-GRID TYPE UPPER LIMESTONE-UNIT 4
 - ||||| - D-GRID TYPE IN LOWER LIMESTONE-UNIT 2
 - - - - B-GRID TYPE IN ARGILLACEOUS LIMESTONE-UNIT 6



NOTE: For location of cross-sections A-A', B-B' and C-C' see plan showing "Geology, Surface Showings and Geochemical Anomalies"

R. G. HILKER LTD.
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TINTINA SILVER MINES LTD.

EXTRAPOLATED
 STRUCTURAL CROSS SECTIONS
 A-A', B-B', C-C'

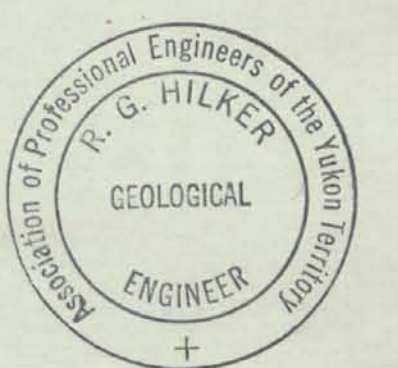
DATE: Oct. / 1974

VERTICAL AS SHOWN
 HORIZ. SCALE: 1"=200'



LEGEND

- OUTLINE OF MINERALIZED ZONE
- TRENCH
- D.D.H. - SET-UP



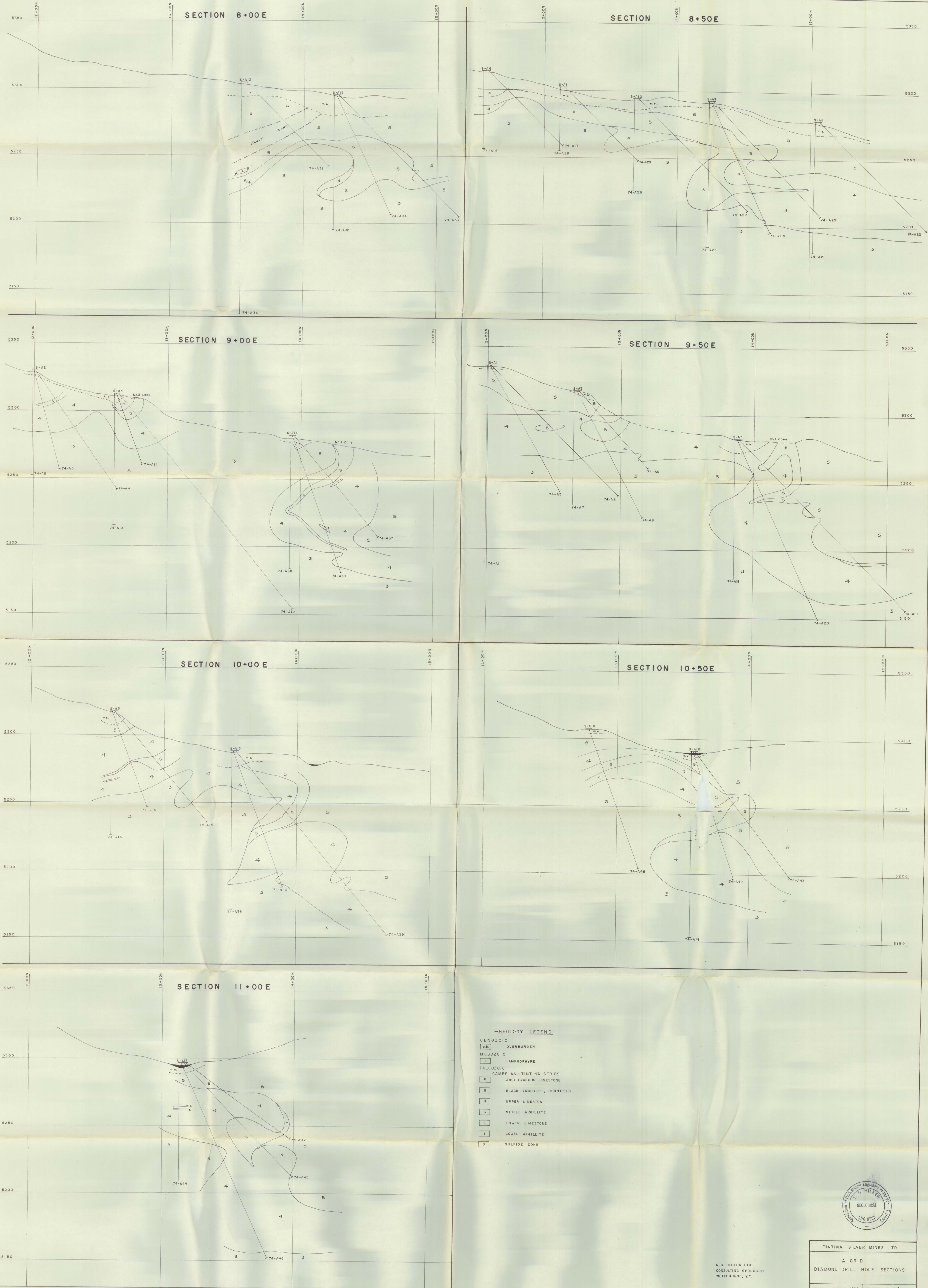
R. G. HILKER LTD.
CONSULTING GEOLOGIST
WHITEHORSE, Y.T.

TINTINA SILVER MINES LTD.

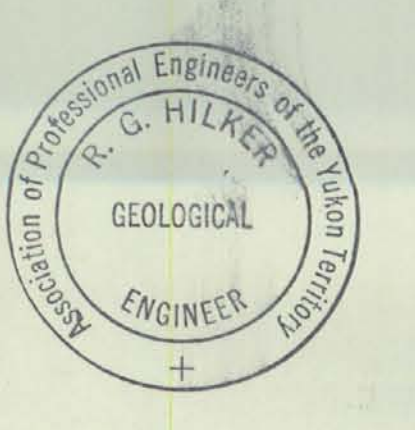
DIAMOND DRILL HOLE
LOCATION PLAN with
SURFACE GEOLOGY - A - GRID

DATE: Oct. / 1974

SCALE: 1" = 20'



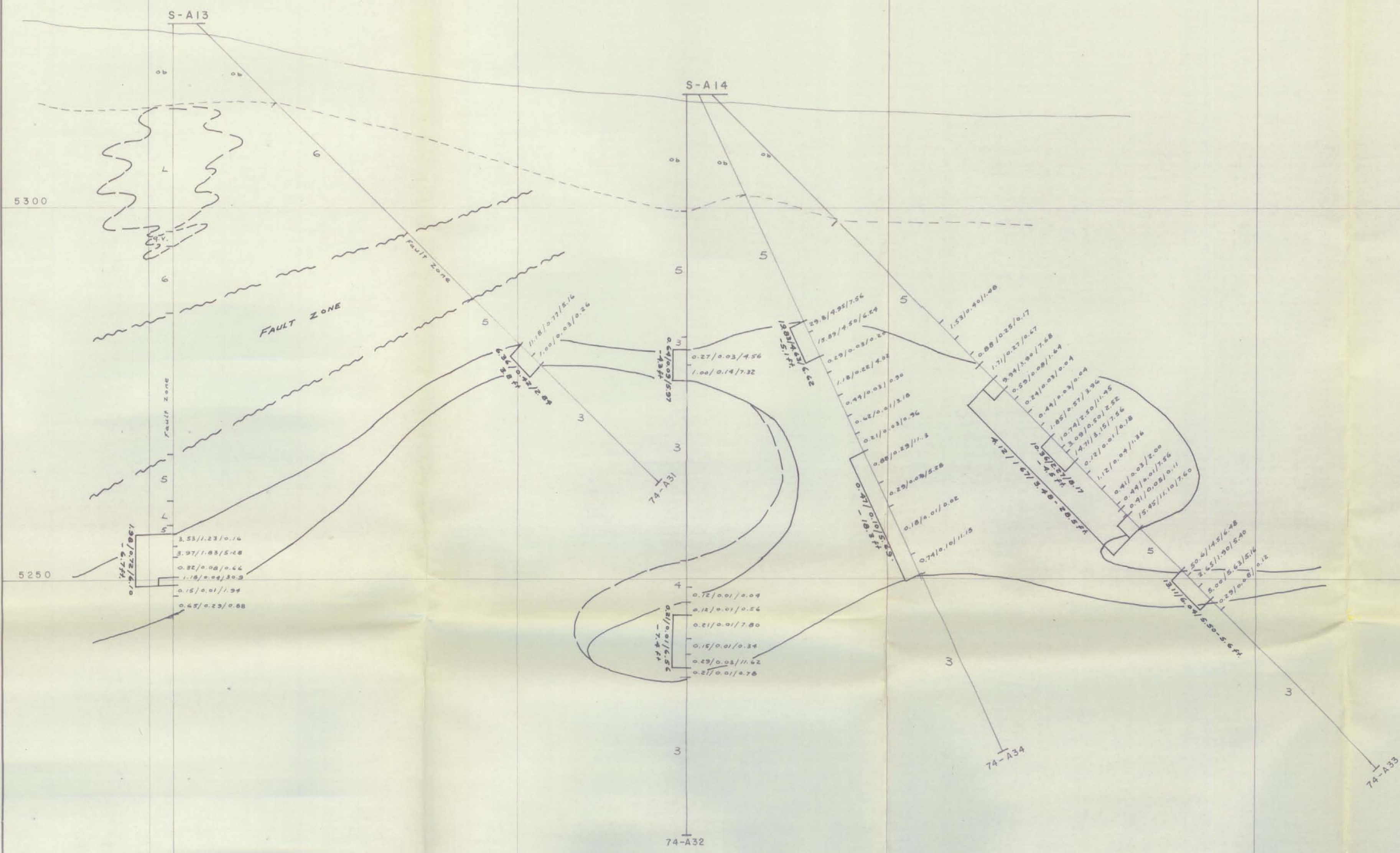
- GEOLOGY LEGEND—
- CENOZOIC
 - OVERBURDEN
 - MESOZOIC
 - LAMPROPHYRE
 - PALEOZOIC
 - CAMBRIAN-TINTINA SERIES
 - ARGILLACEOUS LIMESTONE
 - BLACK ARGILLITE, HORNFELS
 - UPPER LIMESTONE
 - MIDDLE ARGILLITE
 - LOWER LIMESTONE
 - LOWER ARGILLITE
 - SULFIDE ZONE



R. S. HILKER LTD.
CONSULTING GEOLOGIST
WHITEHORSE, Y.T.

TINTINA SILVER MINES LTD.	
A GRID	
DIAMOND DRILL HOLE SECTIONS	
DATE: OCTOBER 1974	SCALE: 1" = 20'

SECTION 8+00 E



- GEOLOGY LEGEND -

- CENOZOIC**
 [O.B.] Overburden
MESOZOIC
 [L] Lamprophyre
PALEOZOIC
CAMBRIAN
TINTINA SERIES
 [6] Argillaceous limestone
 [5] Black argillite
 [4] Upper limestone
 [3] Middle argillite
 [2] Lower limestone
 [1] Lower argillite
 [S] Sulfide zone



R.G. HILKER, LTD.
 CONSULTING GEOLOGIST
 WHITEHORSE, Y.T.

TINTINA SILVER MINES LTD.

A GRID
 SECTION 8+00 E

DATE: SEPT/1974 SCALE: 1" = 10'

SECTION 9 + 50 E



TABLE OF FORMATIONS
see Section 8+00E

LEGEND
--- GEOLOGICAL CONTACT (inferred)
--- OUTLINE OF SULFIDE ZONE (inferred)
10.5/5.32/7.56 - Ag(oz)/T/Pb(%) / Zn(%) Assay Values

R.G. HILKER LTD.
CONSULTING GEOLOGIST
WHITEHORSE, Y.T.



TINTINA SILVER MINES LTD.

A GRID
SECTION 9+50 E

DATE: SEPT / 1974 SCALE: 1" = 10'

SECTION 9 + 00 E

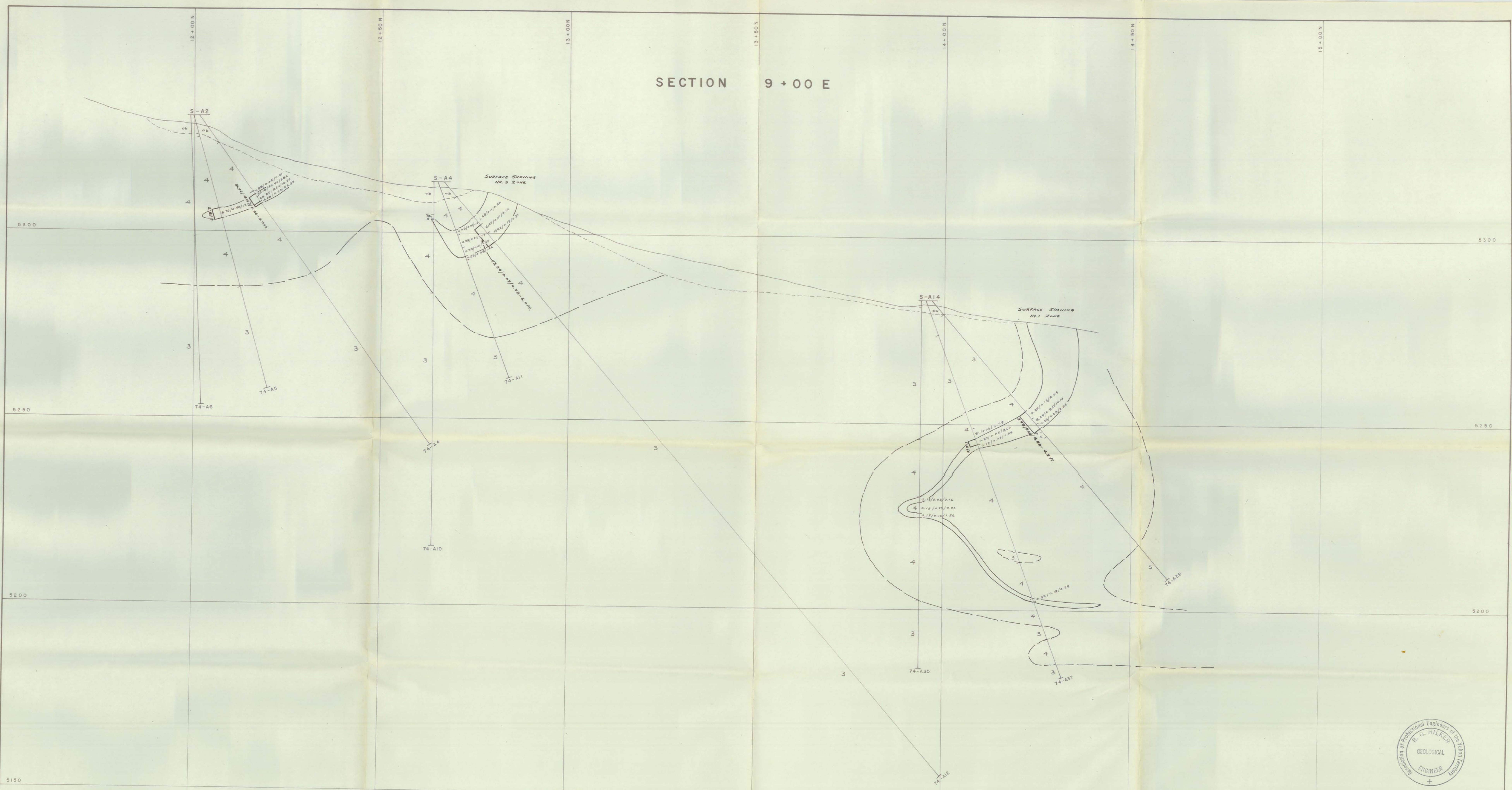
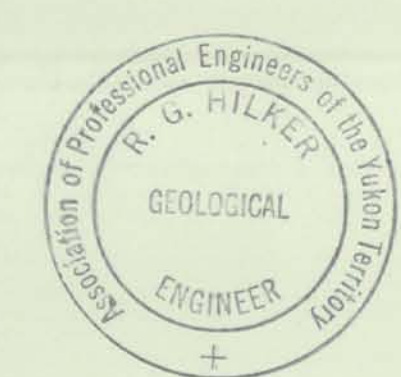


TABLE OF FORMATIONS
see Section 8+00E

LEGEND
—— GEOLOGICAL CONTACT (inferred)
—— OUTLINE OF SULFIDE ZONE (inferred)
10.5/5.32/7.56 - Ag (oz./T) / Pb (%) / Zn (%) Assay Values



R.G. HILKER LTD.
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WHITEHORSE, Y.T.

TINTINA SILVER MINES LTD.

A GRID
SECTION 9+00E

DATE: SEPT./1974 SCALE: 1" = 10"

SECTION 8+50 E

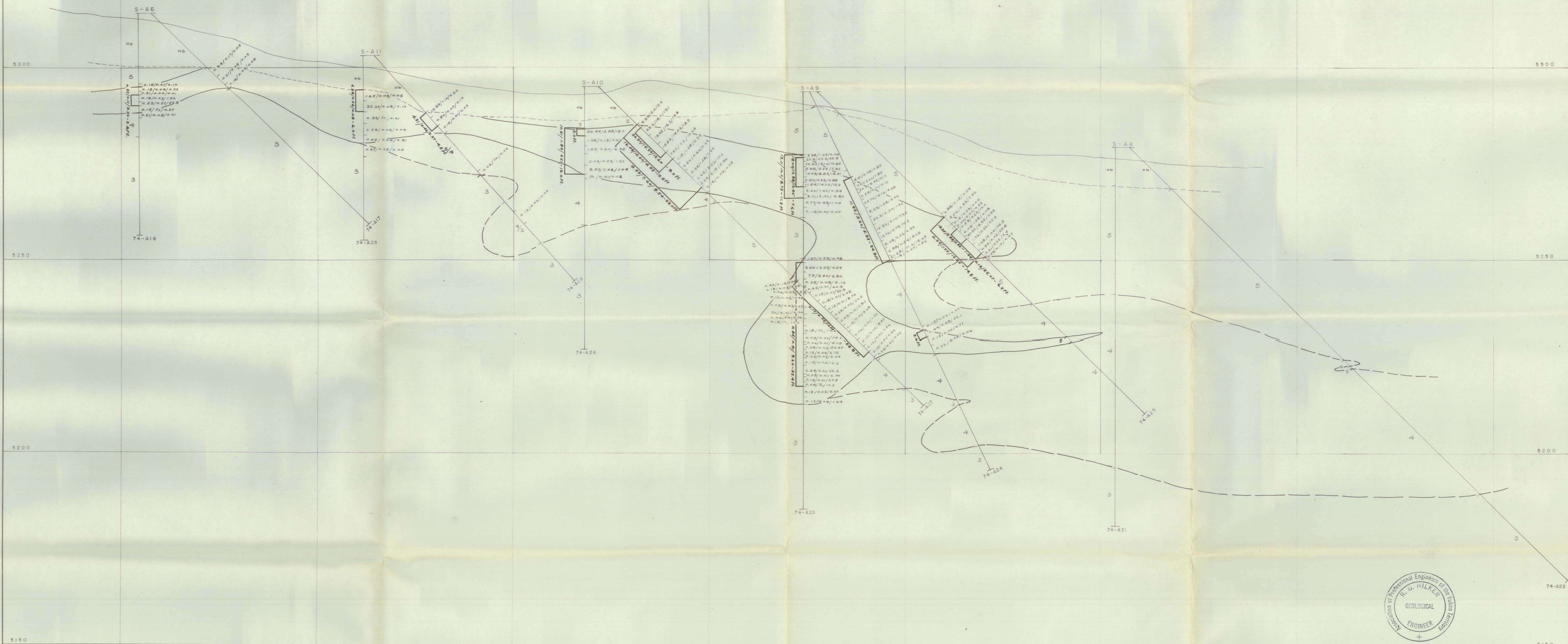
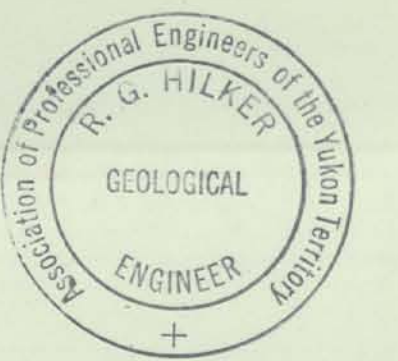


TABLE OF FORMATIONS
See Section 8+00E

LEGEND
 --- GEOLOGICAL CONTACT (inferred)
 --- OUTLINE OF SULFIDE ZONE (inferred)
 10.5/5.32/7.56 - Ag (oz./T)/Pb (%) / Zn (%) Assay Values



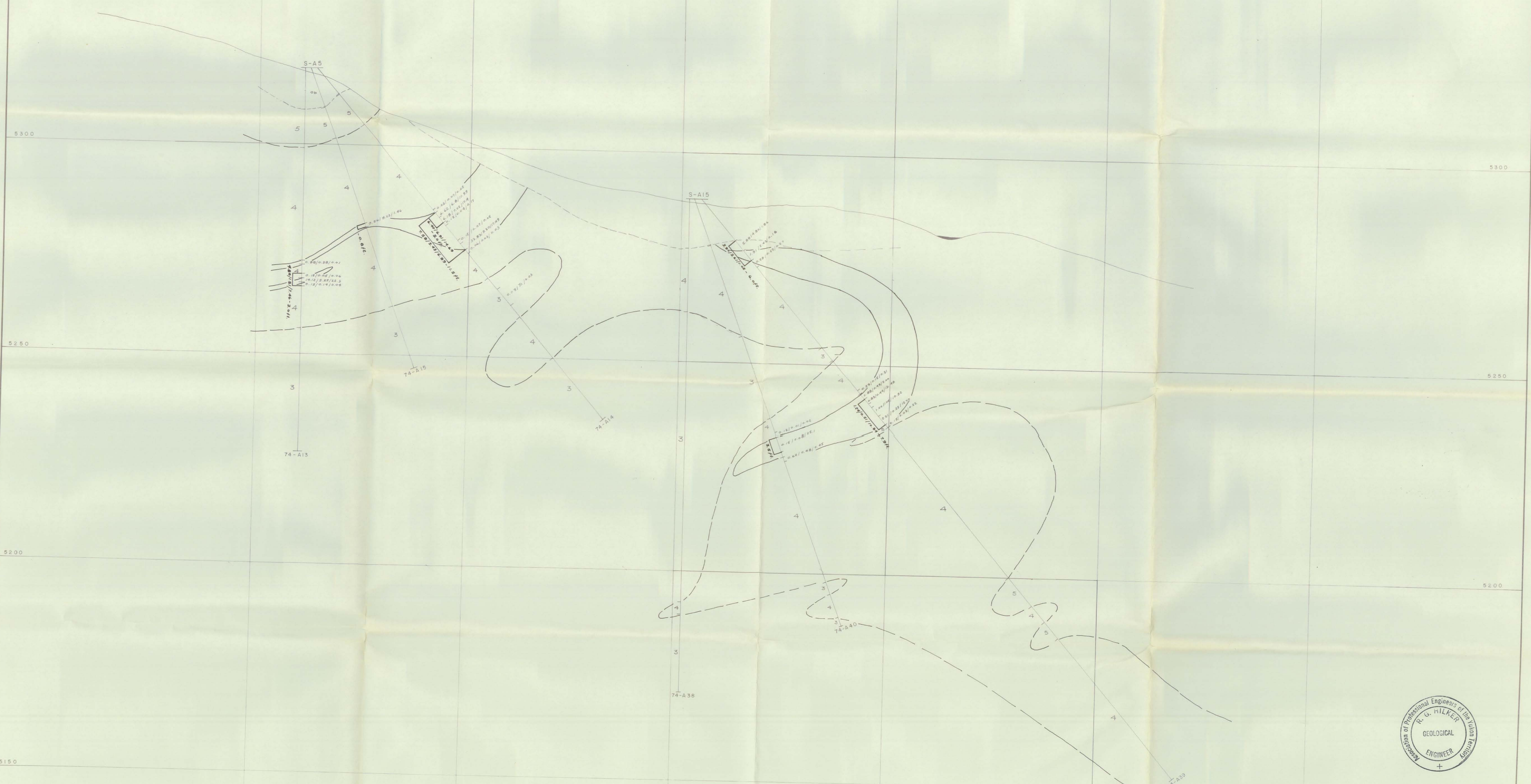
R.G. HILKER, LTD.
 CONSULTING GEOLOGIST
 WHITEHORSE, Y.T.

TINTINA SILVER MINES LTD.

A GRID
 SECTION 8+50E

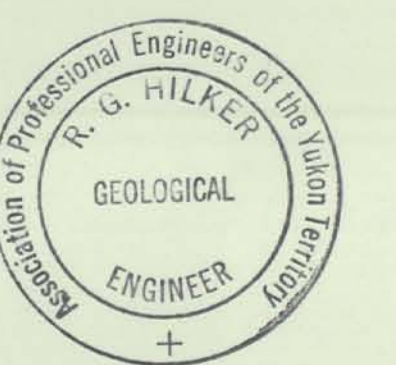
DATE: SEPT/1974 SCALE: 1" = 10'

SECTION 10+00 E



LEGEND
 — GEOLOGICAL CONTACT (inferred)
 — OUTLINE OF SULFIDE ZONE (inferred)
 10.5/5.32/7.56 - Ag (oz./T/Pb (%)/Zn (%) Assay Values

TABLE OF FORMATIONS
 see Section 8+00 E



R. G. HILKER LTD.
 CONSULTING GEOLOGIST
 WHITEHORSE, Y.T.

TINTINA SILVER MINES LTD.

A GRID
 SECTION 10+00 E

DATE: SEPT. /1974 SCALE: 1" = 10'

SECTION 10 + 50 E

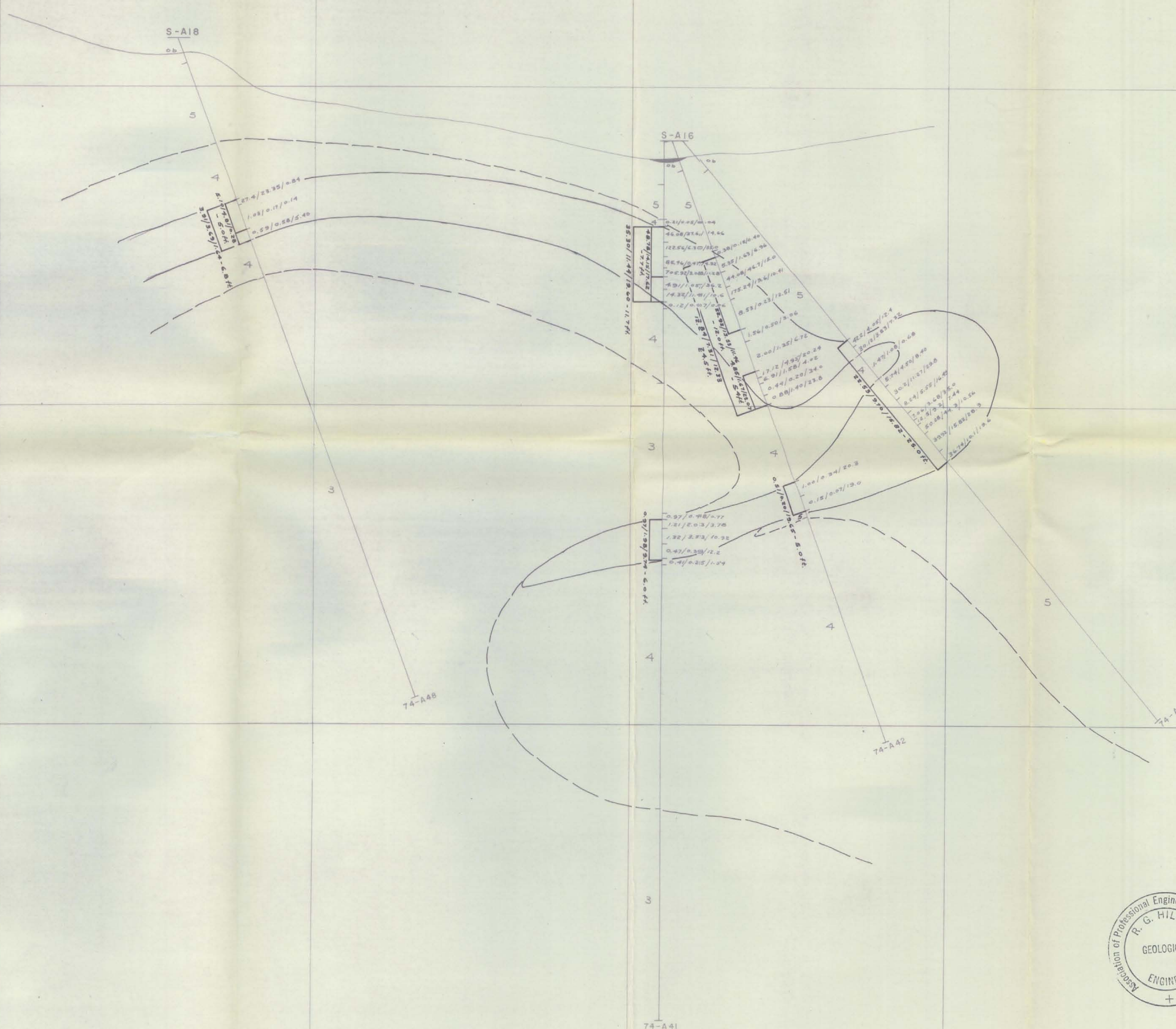
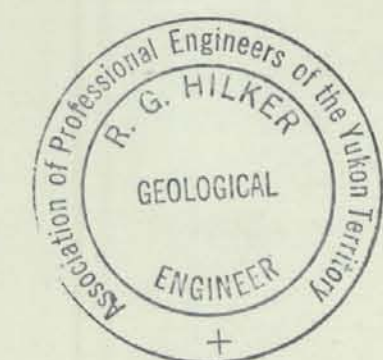


TABLE OF FORMATIONS
see Section 8+00E

LEGEND
 --- GEOLOGICAL CONTACT (inferred)
 ——— OUTLINE OF SULFIDE ZONE (inferred)
 10.5/5.32/7.56 - Ag(oz./T)/Pb(%) / Zn(%) Assay Values

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CONSULTING GEOLOGIST
WHITEHORSE, Y.T.



TINTINA SILVER MINES LTD.

A GRID
SECTION 10 + 50 E

DATE: SEPT./1974 SCALE: 1" = 10'

SECTION 11 + 00 E

5300

5300

5250

5250

5200

5200

5150

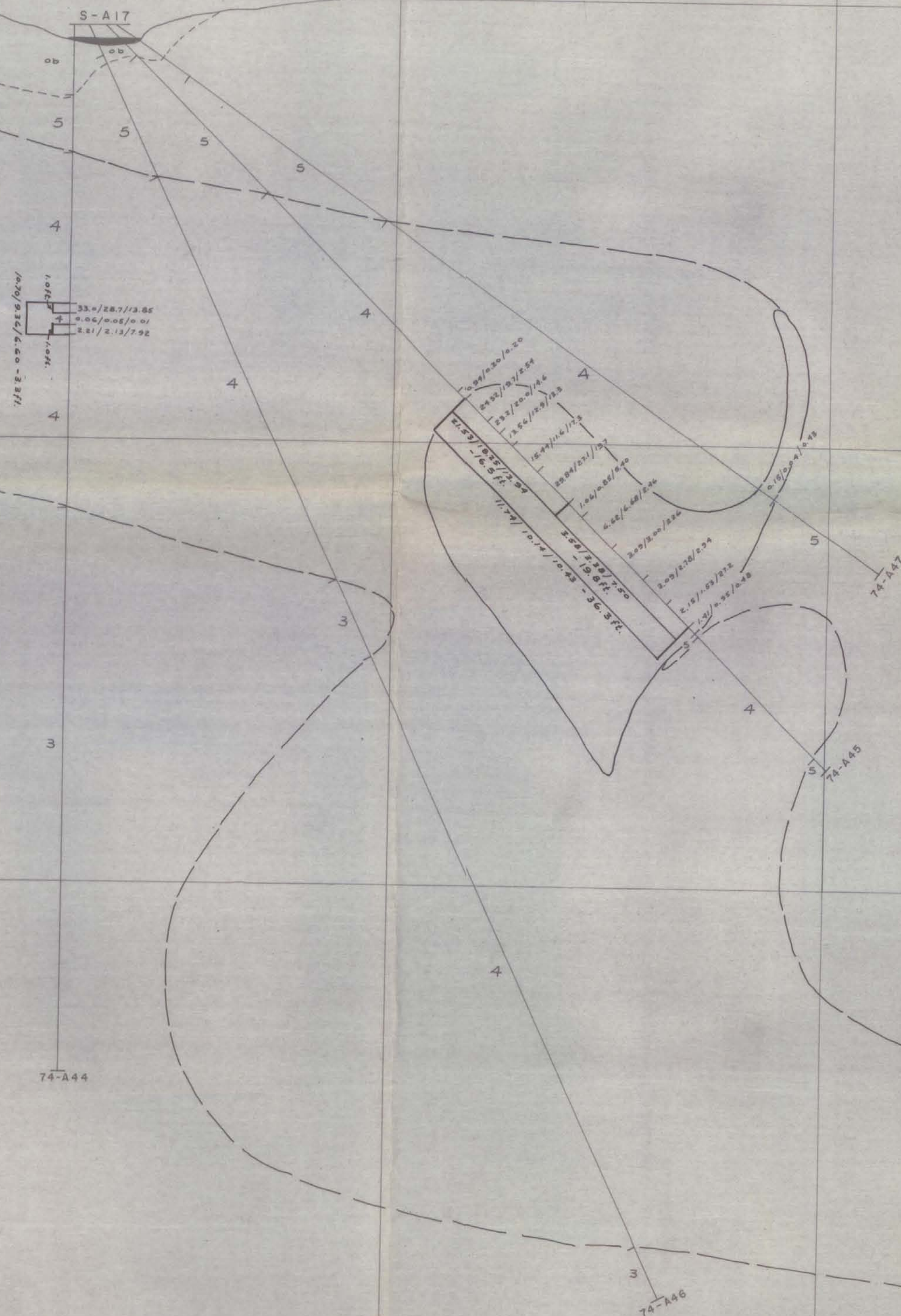


TABLE OF FORMATIONS
see Section 8+00E

LEGEND
 — GEOLOGICAL CONTACT (inferred)
 — OUTLINE OF SULFIDE ZONE (inferred)
 10.5/5.32/7.56— Ag (oz./T) / Pb (%) / Zn (%) Assay Values

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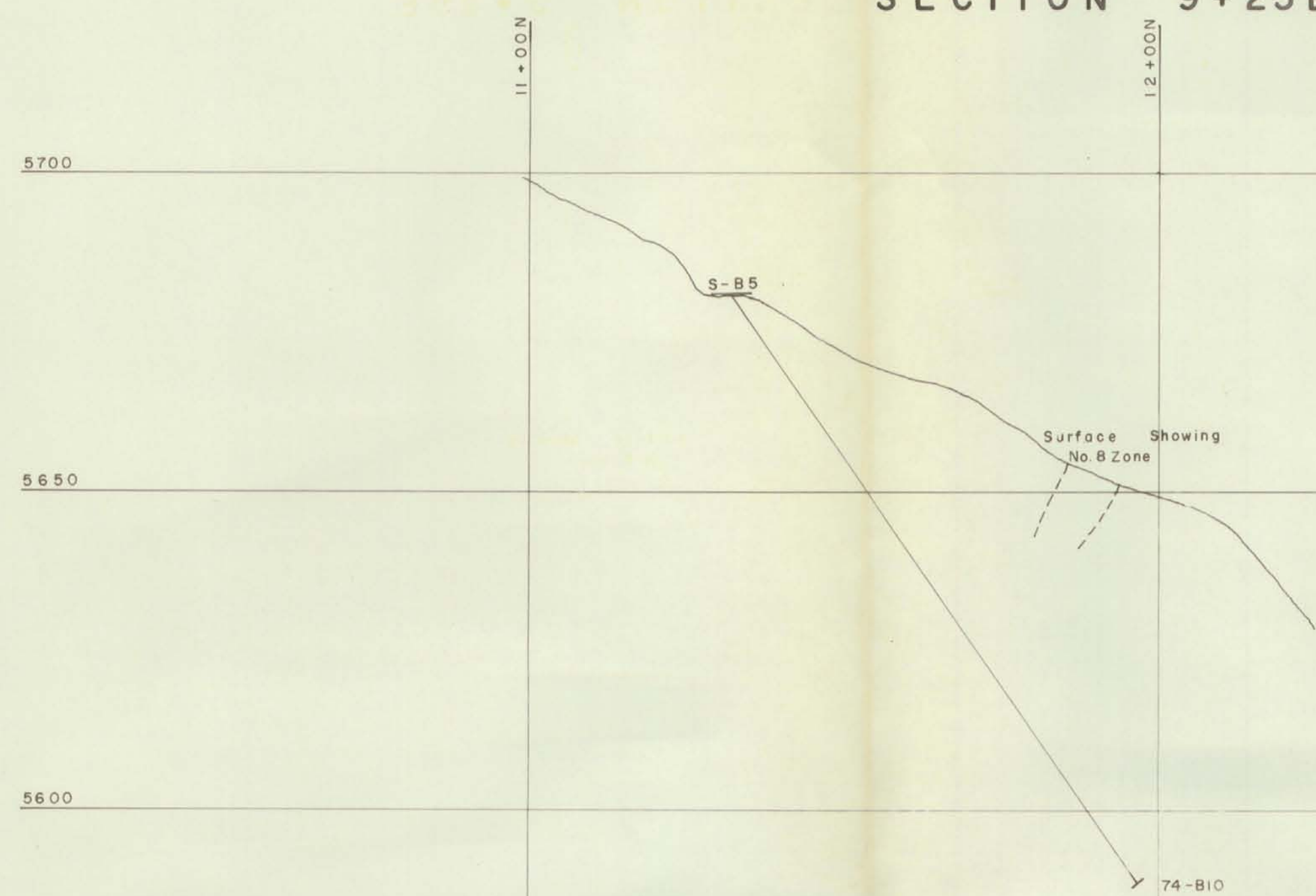
TINTINA SILVER MINES LTD.

A GRID
SECTION 11+00E

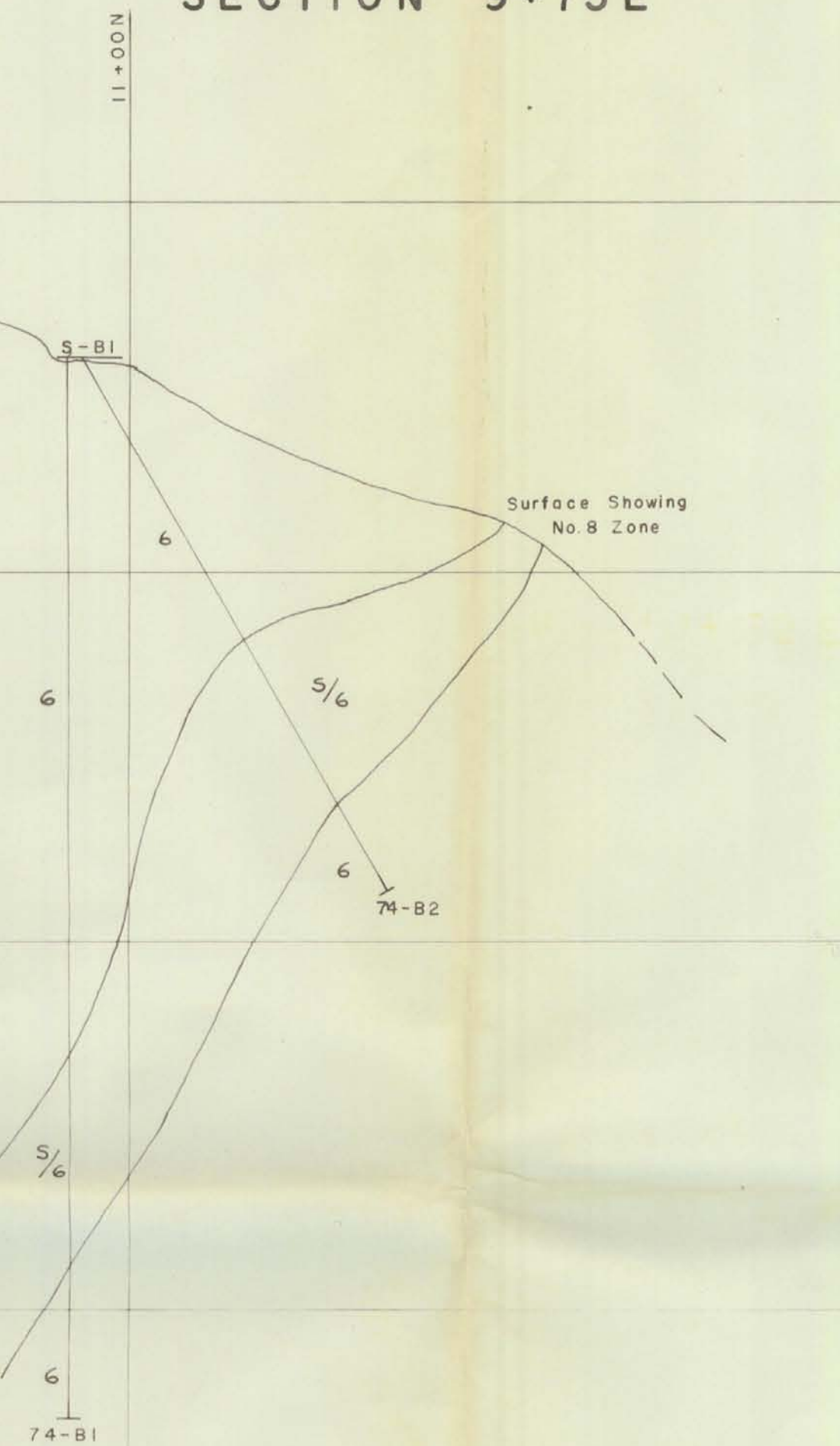
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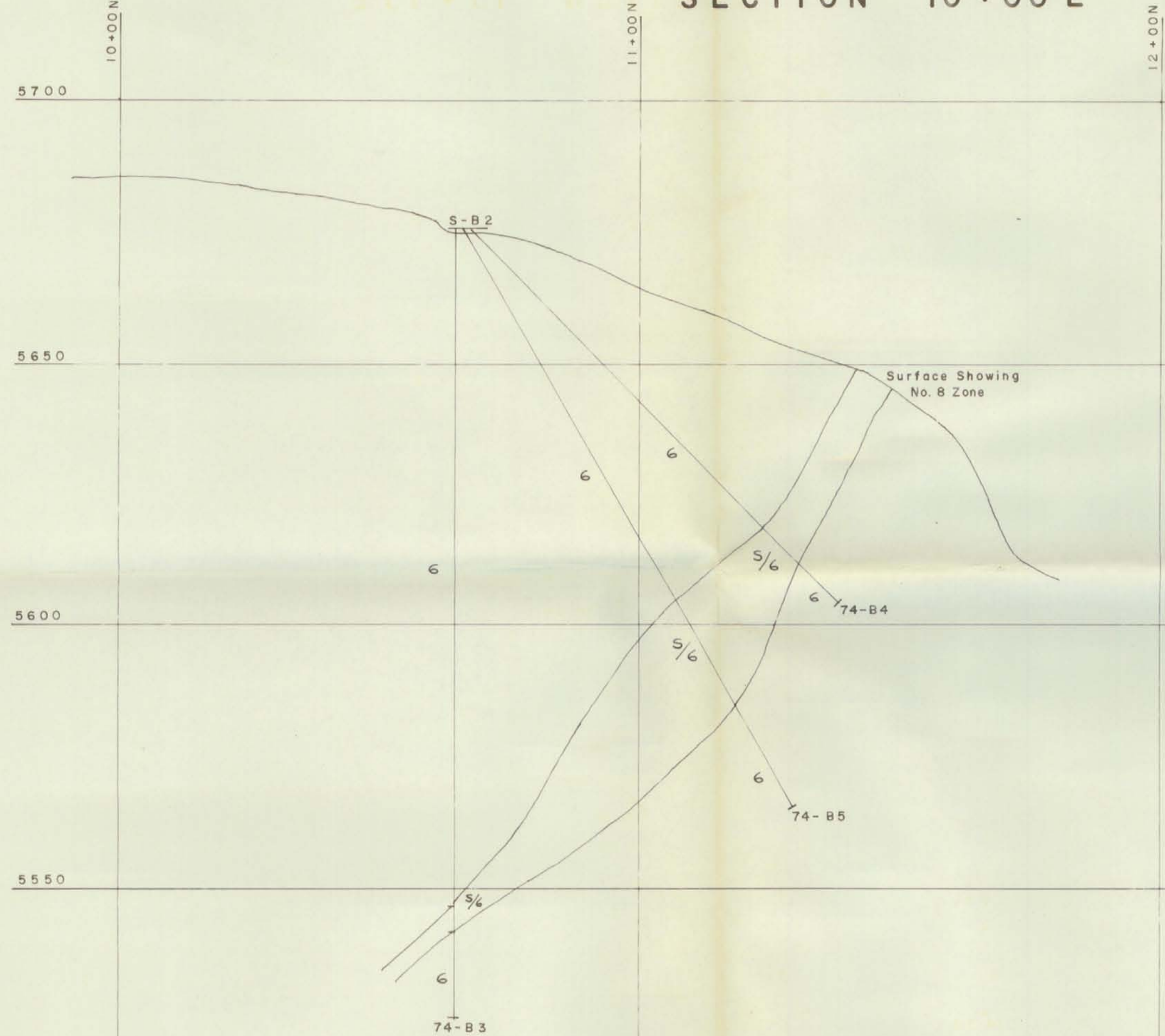
SECTION 9+25E



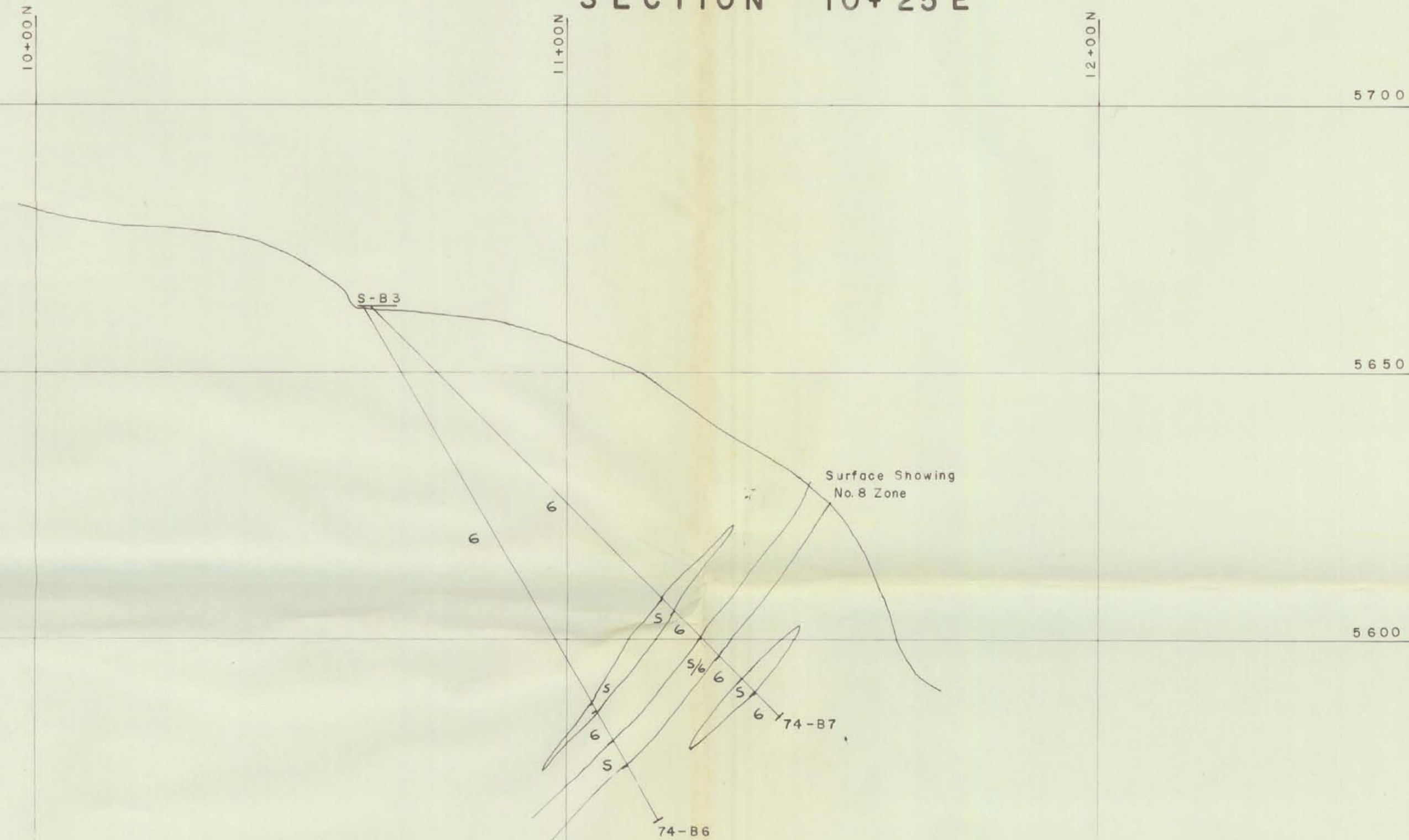
SECTION 9+75E



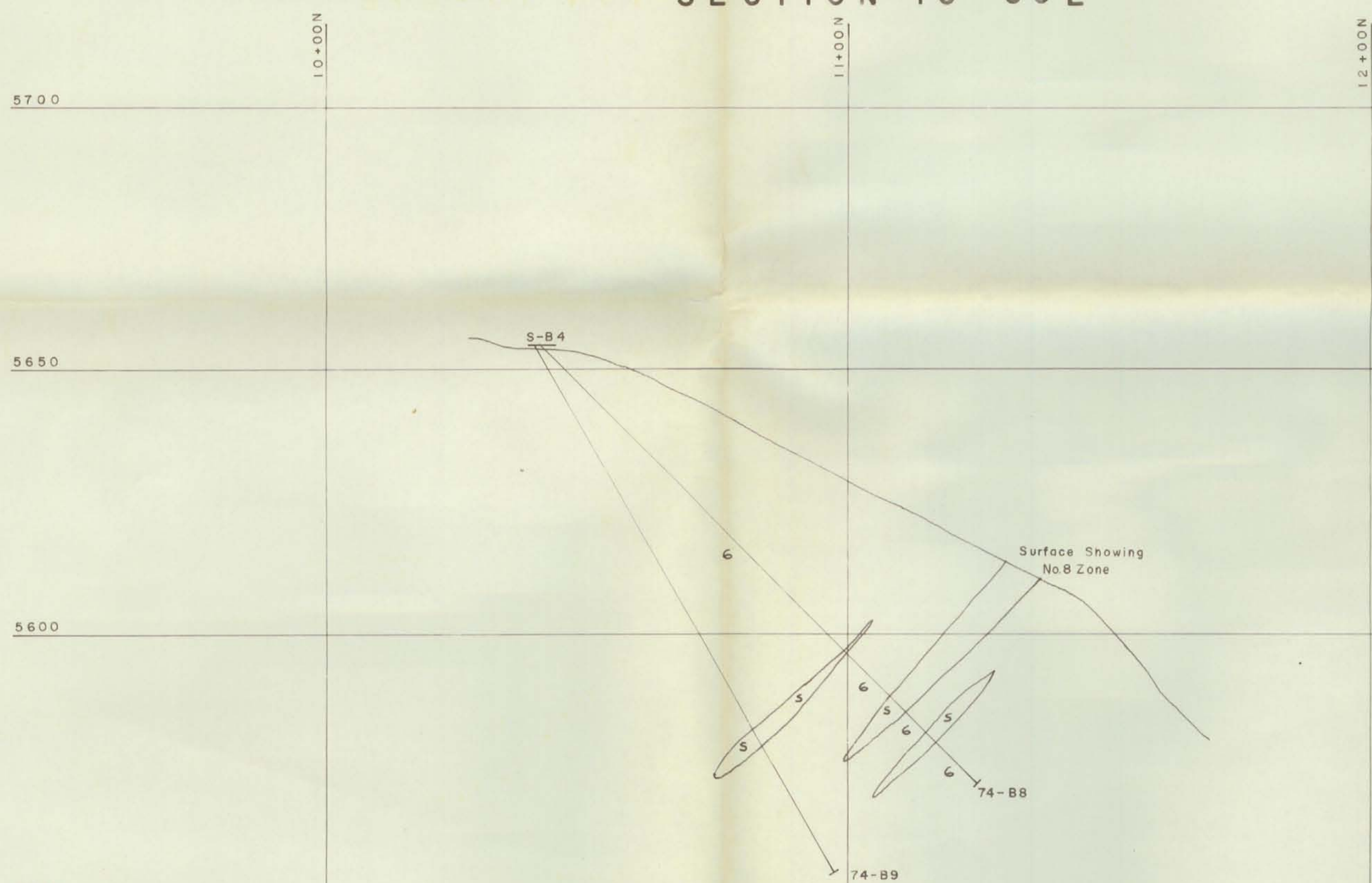
SECTION 10+00E



SECTION 10+25E



SECTION 10+50E



- GEOLOGY LEGEND-**
- CENOZOIC
 - [o.b.] OVERBURDEN
 - MESOZOIC
 - [L] LAMPROPHYRE
 - PALEOZOIC
 - [C] CAMBRIAN - TINTINA SERIES
 - [6] ARGILLACEOUS LIMESTONE
 - [5] BLACK ARGILLITE, HORNFELS
 - [4] UPPER LIMESTONE
 - [3] MIDDLE ARGILLITE
 - [2] LOWER LIMESTONE
 - [1] LOWER ARGILLITE
 - [S] SULFIDE ZONE



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B GRID
DIAMOND DRILL HOLE SECTION

Date: Oct./'74

Scale: 1" = 20'

SECTION 9+75 E

5700

11+00 N

12+00 N

5650

5600

5550

S-B1

6

SURFACE SHOWING
No. 8 ZONE

S

S

6

74-B2

6.48/3.23/3.54

0.12/0.03/0.06

2.96/2.13/2.04

2.0/0.05/0.42

3.28/1.55/4.86

0.44/0.77/3.66

1.62/0.15/3.60

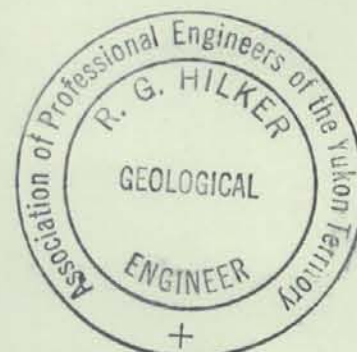
0.15/0.01/0.21

0.29/0.05/29.32

S

6

74-B1



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WHITEHORSE, Y.T.

TINTINA SILVER MINES LTD.

B GRID
SECTION 9+75 E

DATE: OCT. / '74

SCALE: 1" = 10'

For GEOLOGY LEGEND
see SECTION 10+25 E

SECTION 10+00 E

10+50 N

11+50 N

12+50 N

5700

5650

5600

5550

S-B 2

SURFACE SHOWING
No. 8 ZONE

6

6

6

S

S

S

6

74-B 3

74-B 5

74-B 4

0.53/0.43/0.28
9.27/0.03/2.28

0.09/0.19/1.60
0.06/0.01/0.16
1.03/1.58/4.48
0.82/0.75/2.45
0.65/0.58/9.33
0.04/0.04/0.52
0.59/0.38/0.57
0.59/0.38/12.2
0.76/1.23/2.10
0.65/0.35/7.44
1.03/0.60/1.10
0.18/0.08/0.14
5.29/2.25/2.28



For GEOLOGY LEGEND
see SECTION 10+25E

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WHITEHORSE, Y.T.

TINTINA SILVER MINES LTD.

B GRID
SECTION 10+00 E

DATE: OCT. / '74

SCALE: 1" = 10'

SECTION 10 + 25 E

10 + 50 N

11 + 50 N

12 + 50 N

5650

5600

S-B3

SURFACE SHOWING
NO. 8 ZONE

GEOLOGY LEGEND

CENOZOIC

[o.b.] Overburden

MESOZOIC

[L] Lamprophyre

PALEOZOIC

CAMBRIAN

TINTINA SERIES

[6] Argillaceous limestone

[5] Black argillite

[4] Upper limestone

[3] Middle argillite

[2] Lower limestone

[1] Lower argillite

[S] Sulfide zone

6

6

5

6

5

6

74-B6

74-B7



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CONSULTING GEOLOGIST
WHITEHORSE, Y.T.

TINTINA SILVER MINES LTD.

B GRID
SECTION 10 + 25 E

DATE: OCT./'74

SCALE: 1" = 10'

SECTION 10 + 50 E

10 + 50 N

11 + 50 N

12 + 50 N

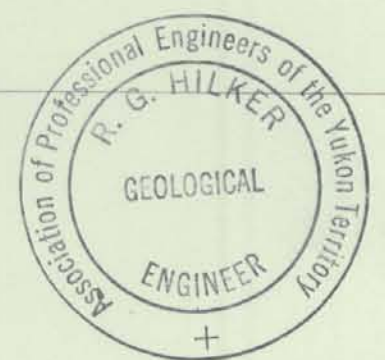
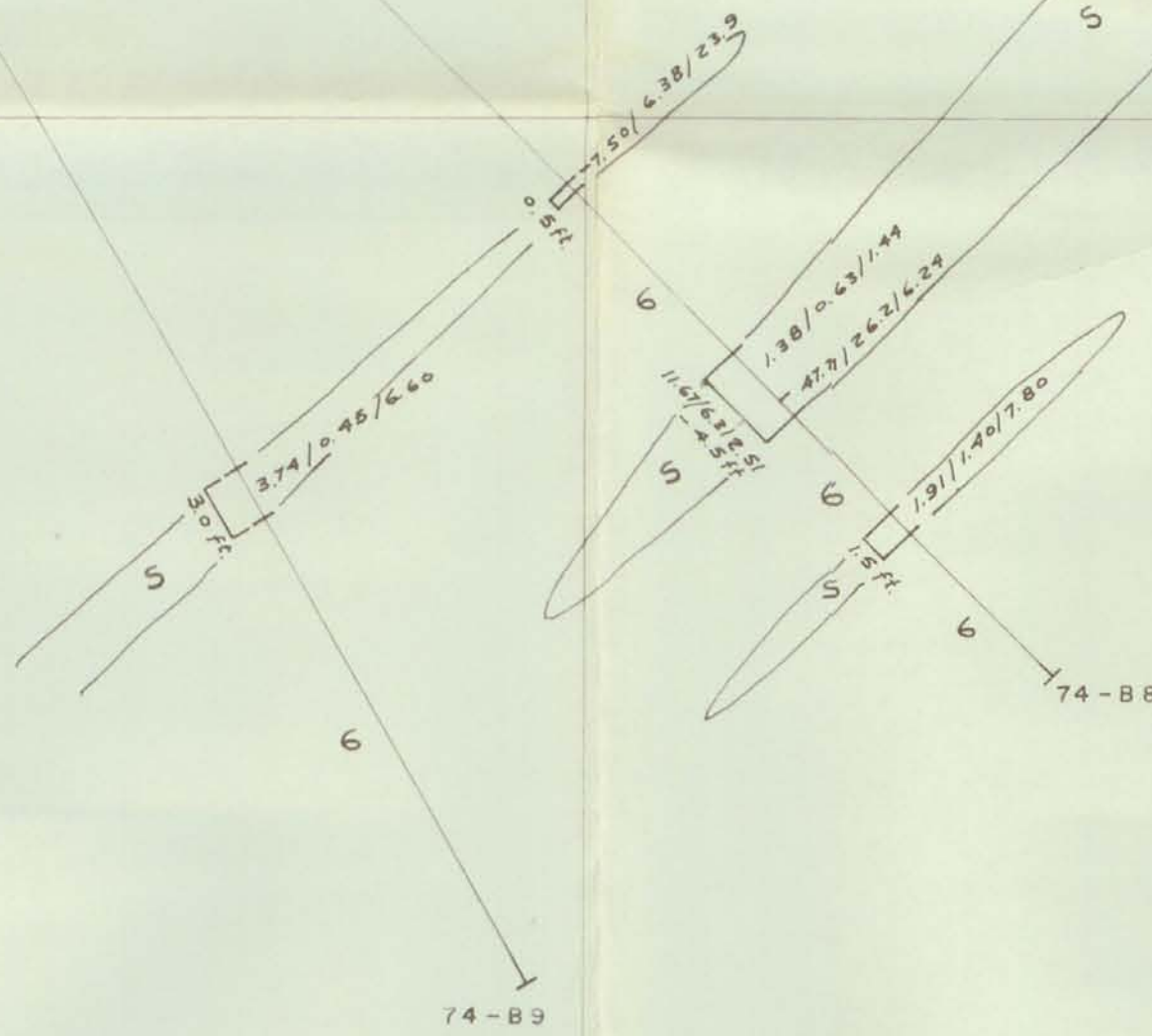
5650

5600

5550

S-B4

SURFACE SHOWING
No. 8 ZONE



For GEOLOGY LEGEND
see SECTION 10+25E

R.G. HILKER LTD.
CONSULTING GEOLOGIST
WHITEHORSE, Y.T.

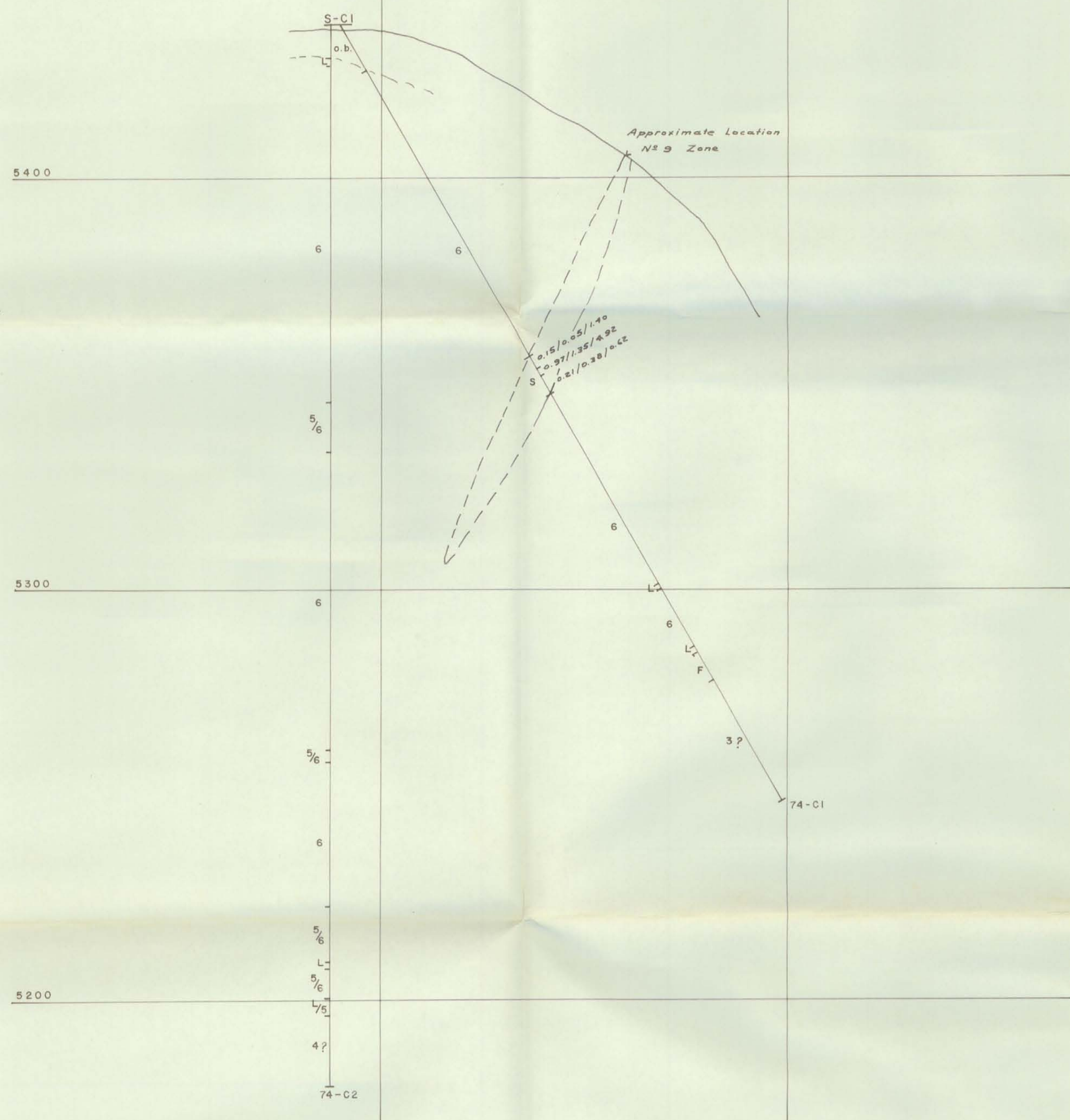
TINTINA SILVER MINES LTD.

B GRID
SECTION 10+50E

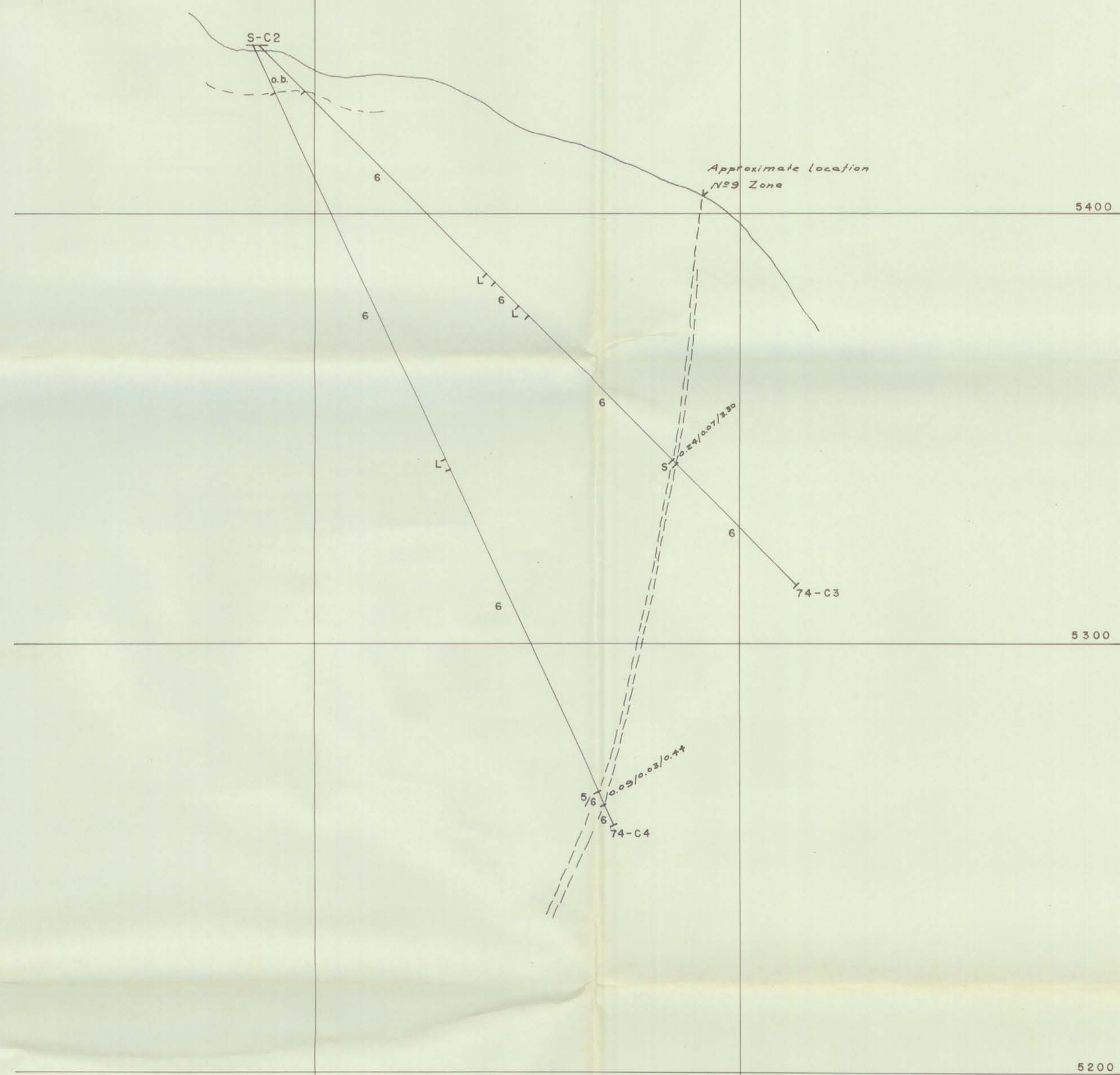
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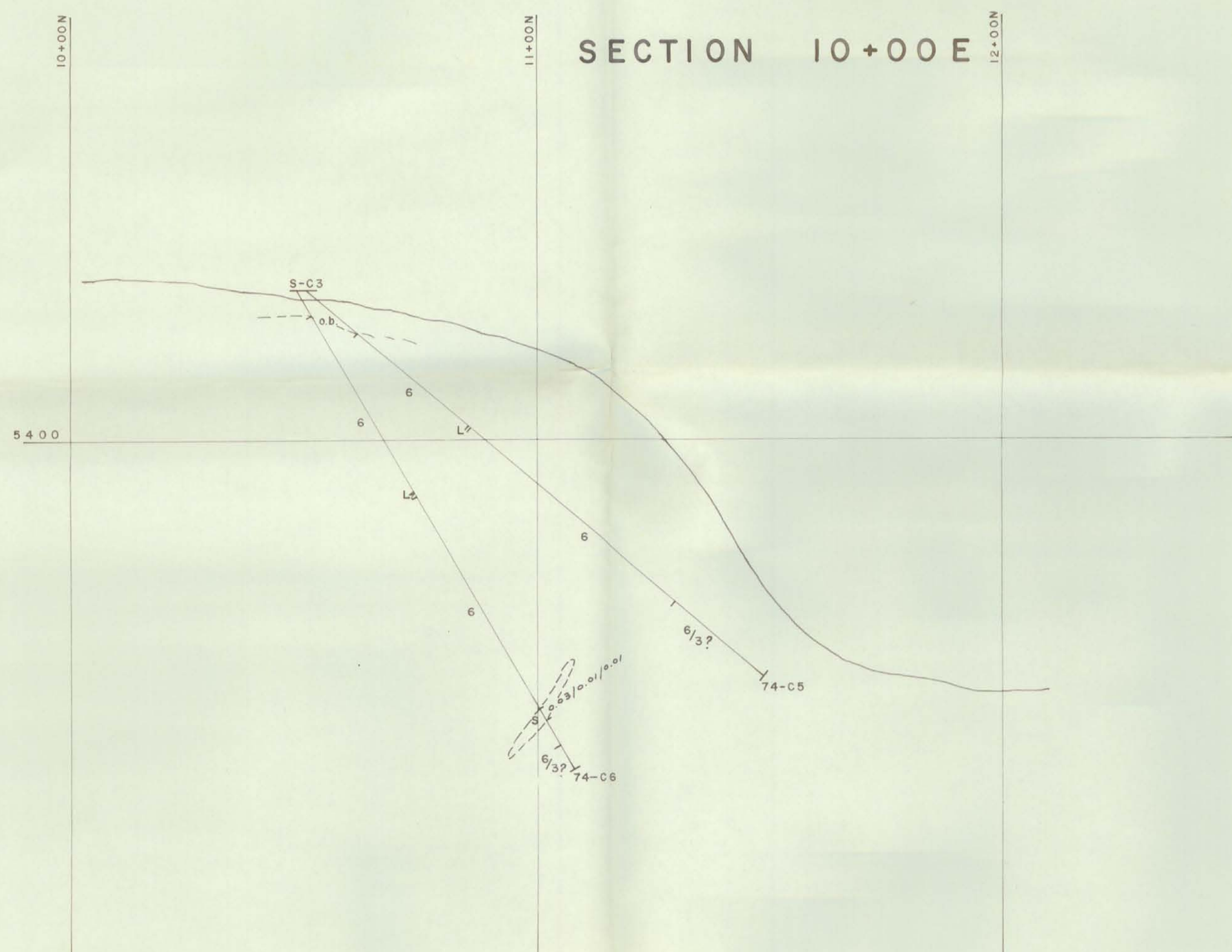
SECTION 11+00E



SECTION 10+50E

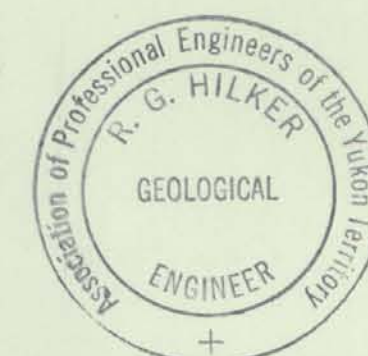


SECTION 10+00E



-GEOLOGY LEGEND-

- CENOZOIC
- MESOZOIC
- PALEOZOIC
- CAMBRIAN
- TINTINA SERIES
- 6 Argillaceous limestone
- 5 Black argillite
- 4 Upper limestone
- 3 Middle argillite
- 2 Lower limestone
- 1 Lower argillite
- 3 Sulfide zone



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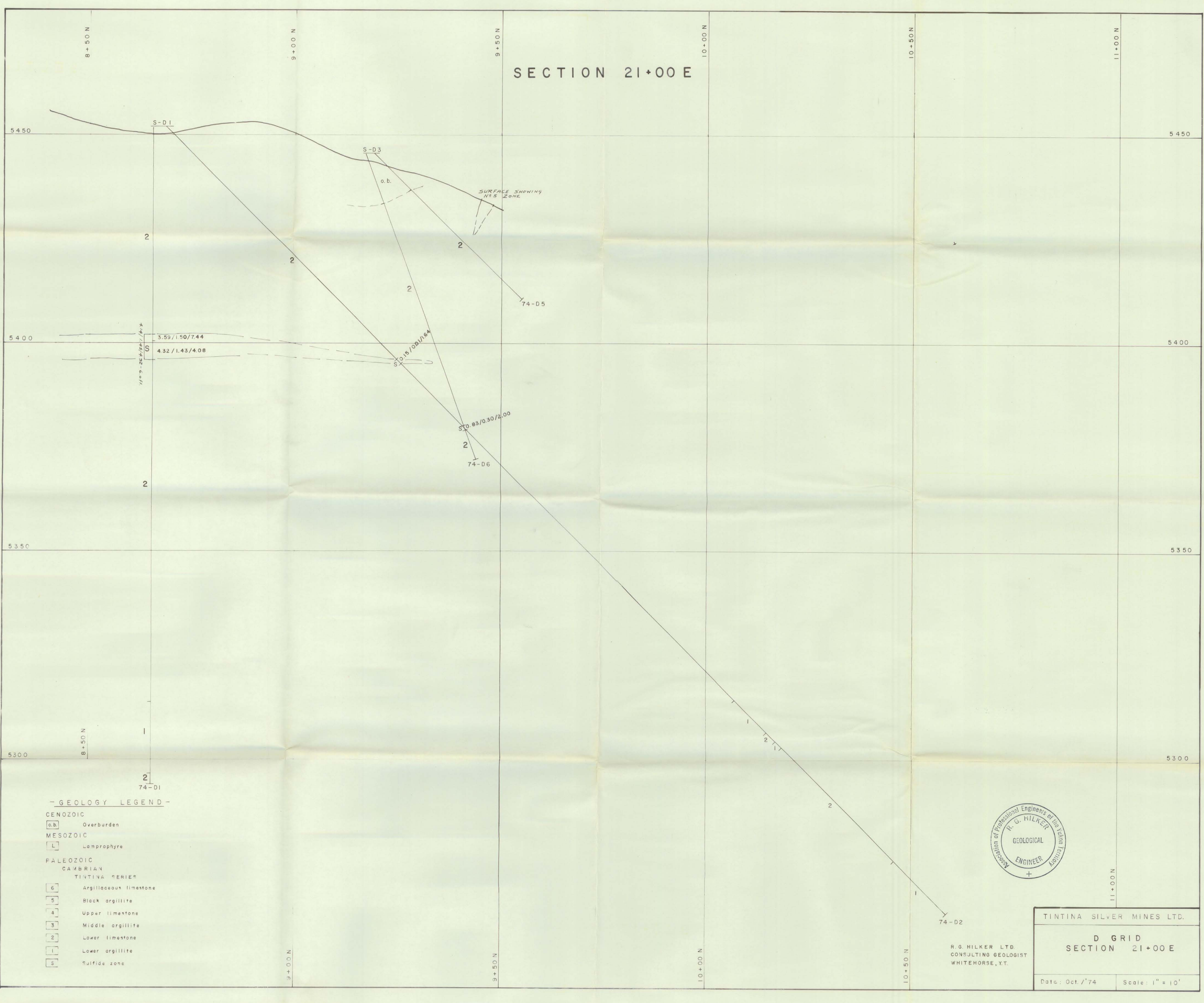
TINTINA SILVER MINES LTD.

C GRID
DIAMOND DRILL HOLE
SECTIONS

DATE: Oct/1974

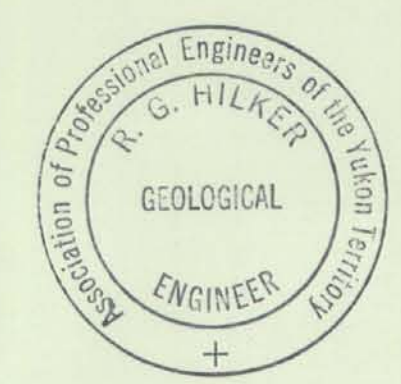
SCALE: 1" = 20'

SECTION 21+00 E



- GEOLOGY LEGEND -

- CENOZOIC
- o.b. Overburden
- MESOZOIC
- L Lamprophyre
- PALEOZOIC
- CAMBRIAN
- TINTINA SERIES
- 6 Argillaceous limestone
- 5 Black argillite
- 4 Upper limestone
- 3 Middle argillite
- 2 Lower limestone
- 1 Lower argillite
- 0 Sulfide zone



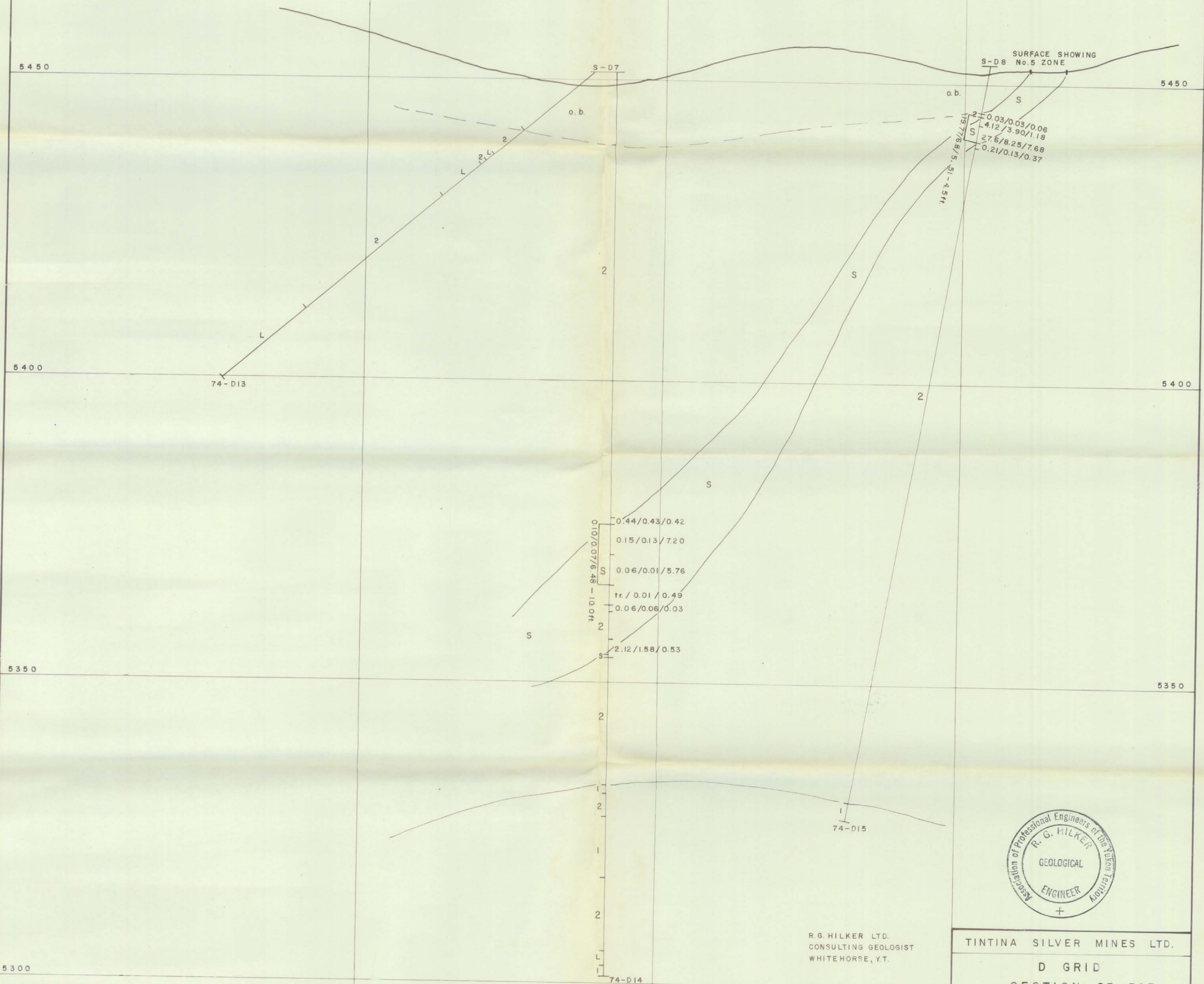
TINTINA SILVER MINES LTD.

D GRID
SECTION 21+00 E

R. G. HILKER LTD.
CONSULTING GEOLOGIST
WHITEHORSE, Y.T.

Date: Oct. / '74 Scale: 1" = 10'

SECTION N 23 + 50E



For Geology Legend
see Section 21+00E

R.G. HILKER LTD.
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WHITEHORSE, Y.T.

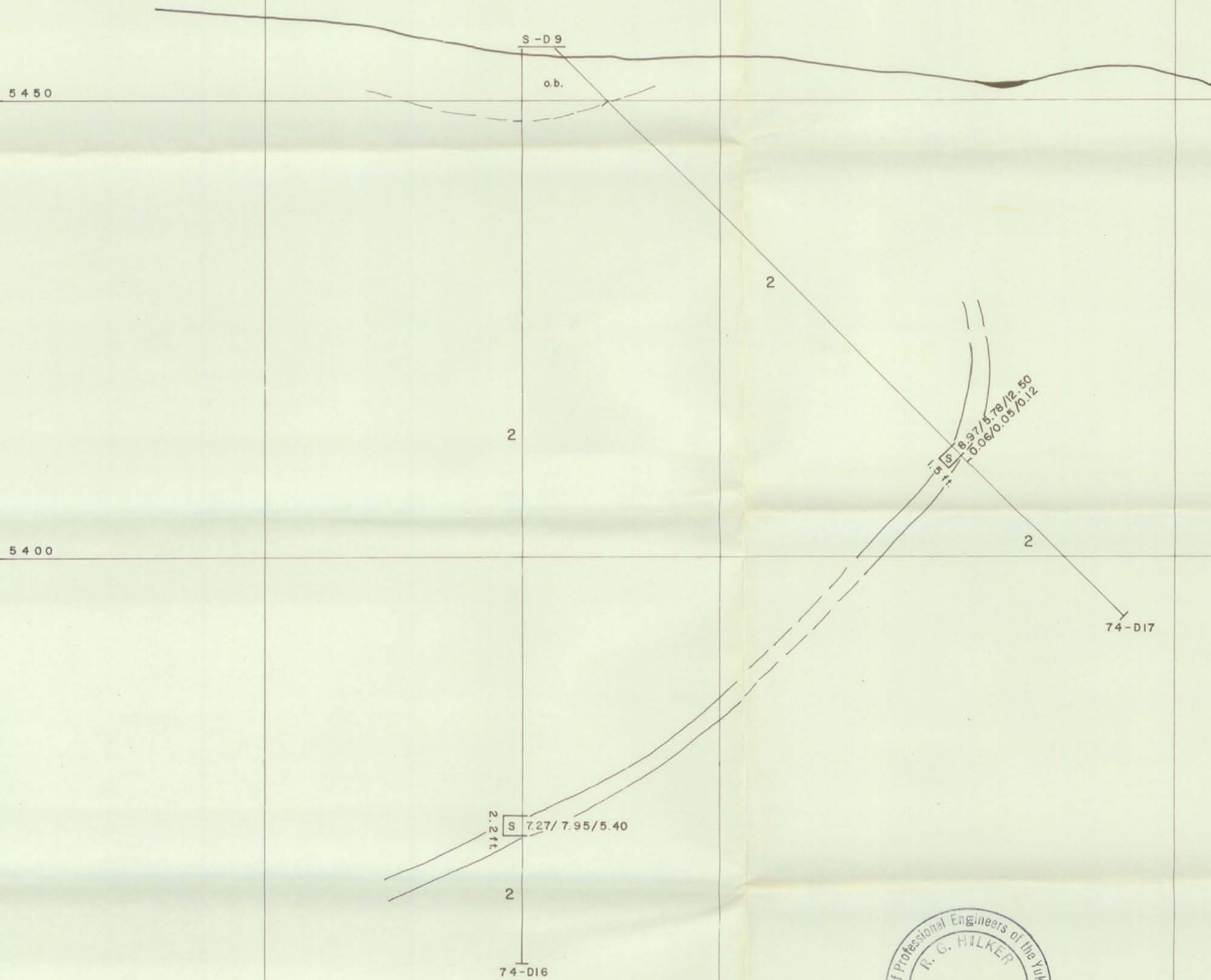


TINTINA SILVER MINES LTD.
D GRID
SECTION 23+50E

Date: Oct./'74

Scale: 1" = 10'

SECTION 24+00E



For Geology Legend
see Section 21+00E



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WHITEHORSE, Y.T.

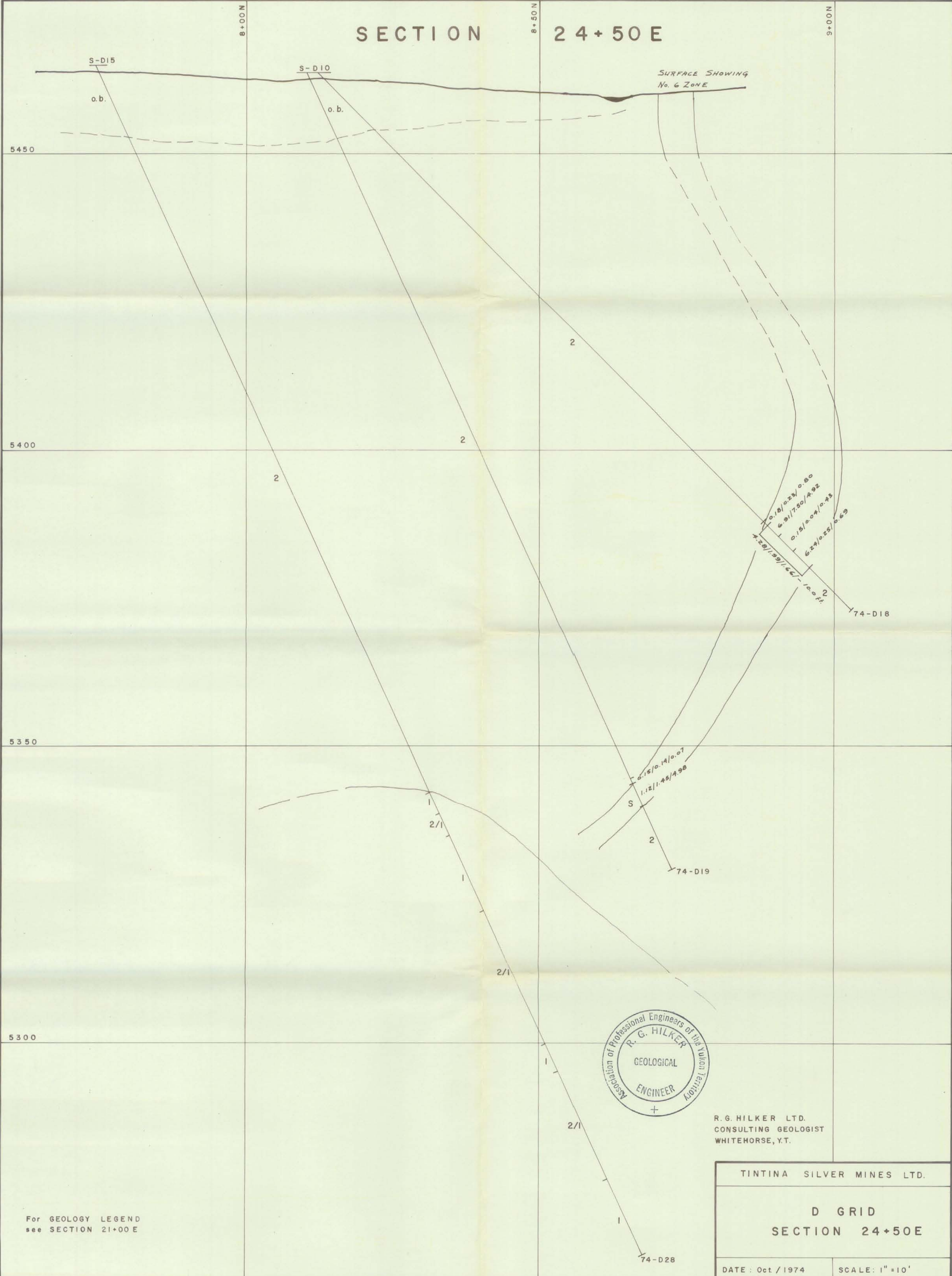
TINTINA SILVER MINES LTD.

D GRID
SECTION 24+00E

Date: Oct./'74

Scale: 1" = 10'

SECTION 24+50 E



For GEOLOGY LEGEND
see SECTION 21+00 E



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WHITEHORSE, Y.T.

TINTINA SILVER MINES LTD.

D GRID
SECTION 24+50E

DATE: Oct / 1974

SCALE: 1" = 10'

800 + 00 N

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WHITEHORSE, Y.T.

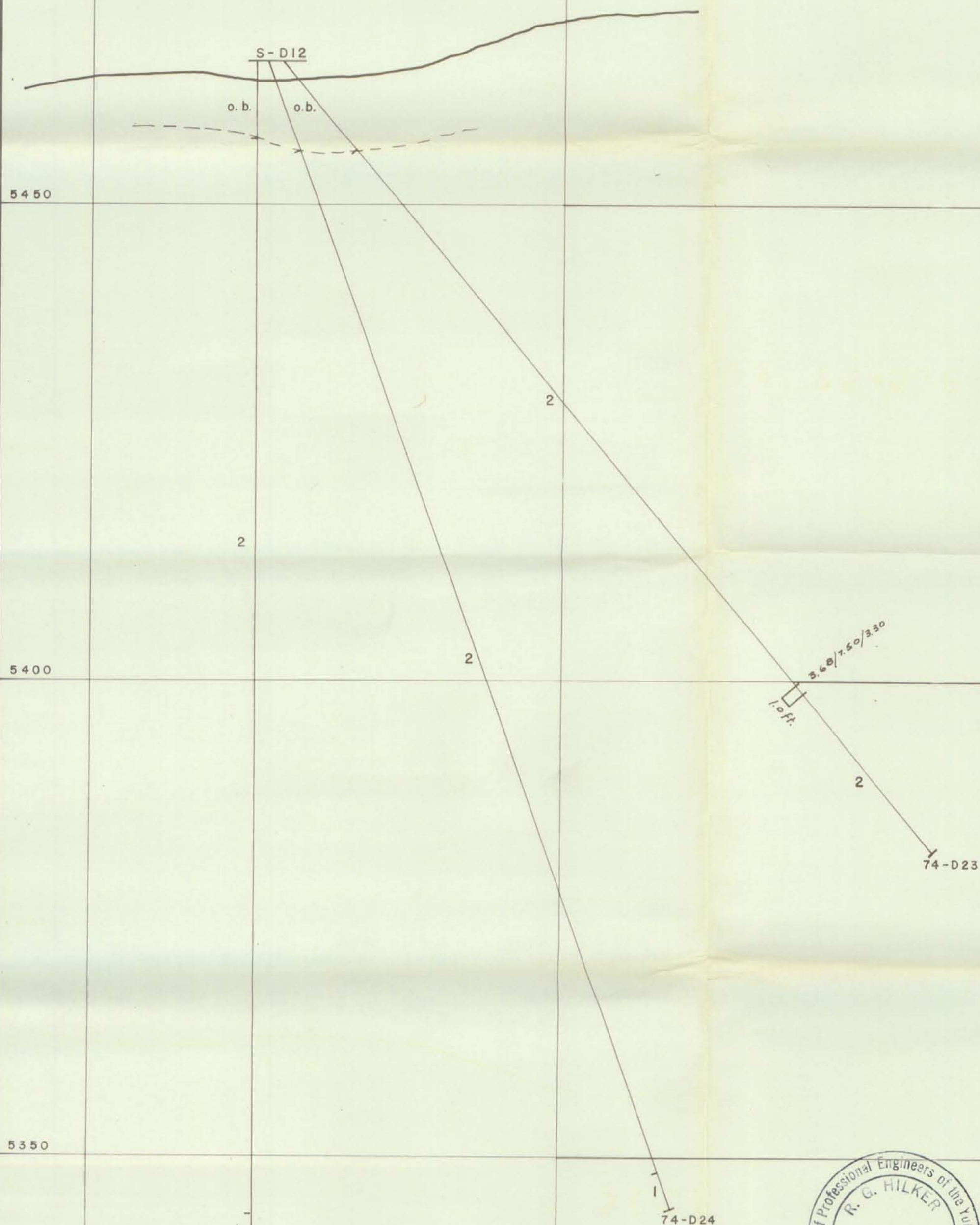
TINTINA SILVER MINES LTD.

D GRID
SECTION 25+00 E

DATE : Oct. / 1974

SCALE: 1" = 10'

SECTION 25+50 E



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WHITEHORSE, Y.T.

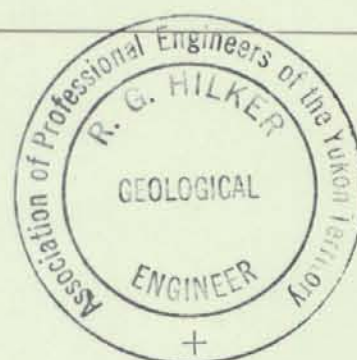
TINTINA SILVER MINES LTD.

D GRID
SECTION 25+50E

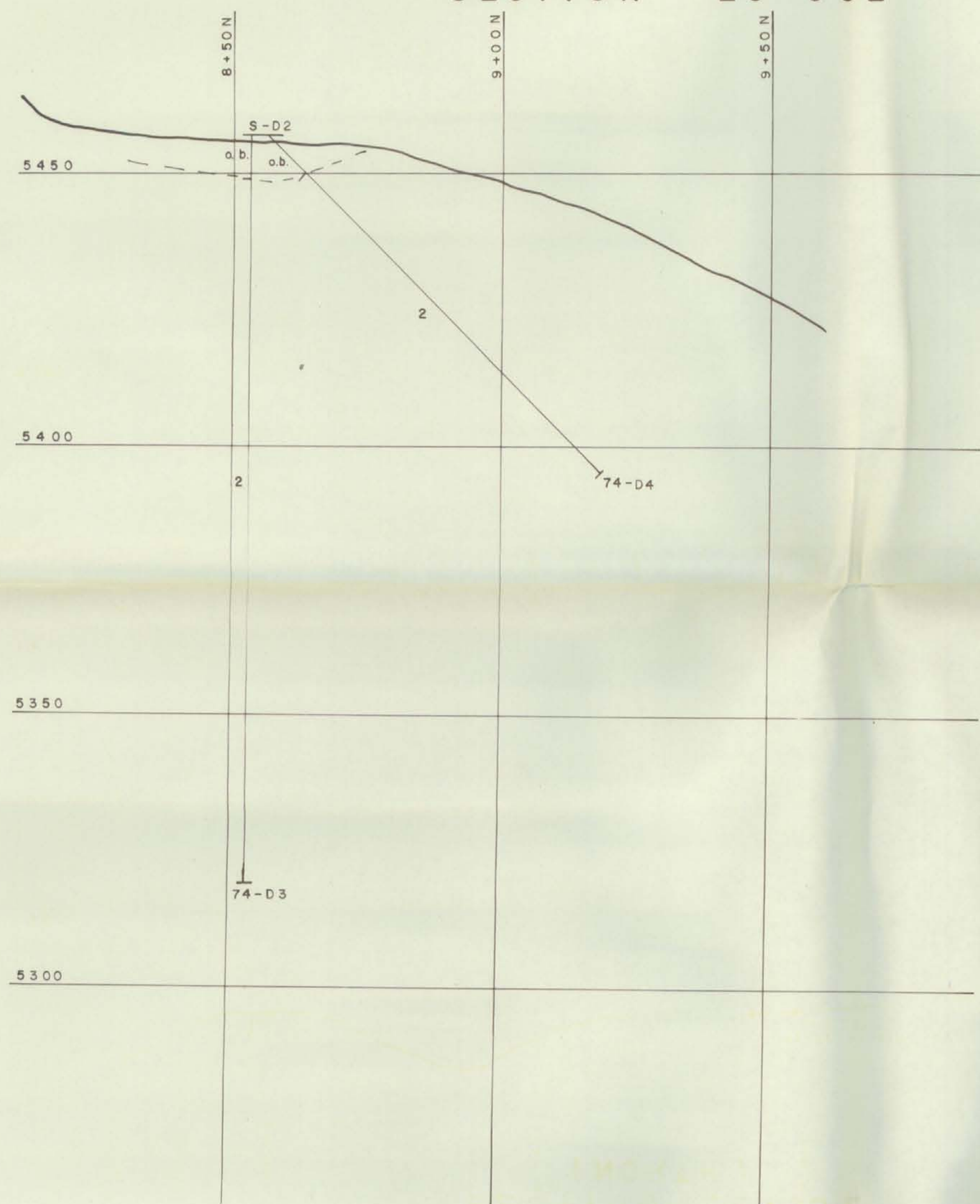
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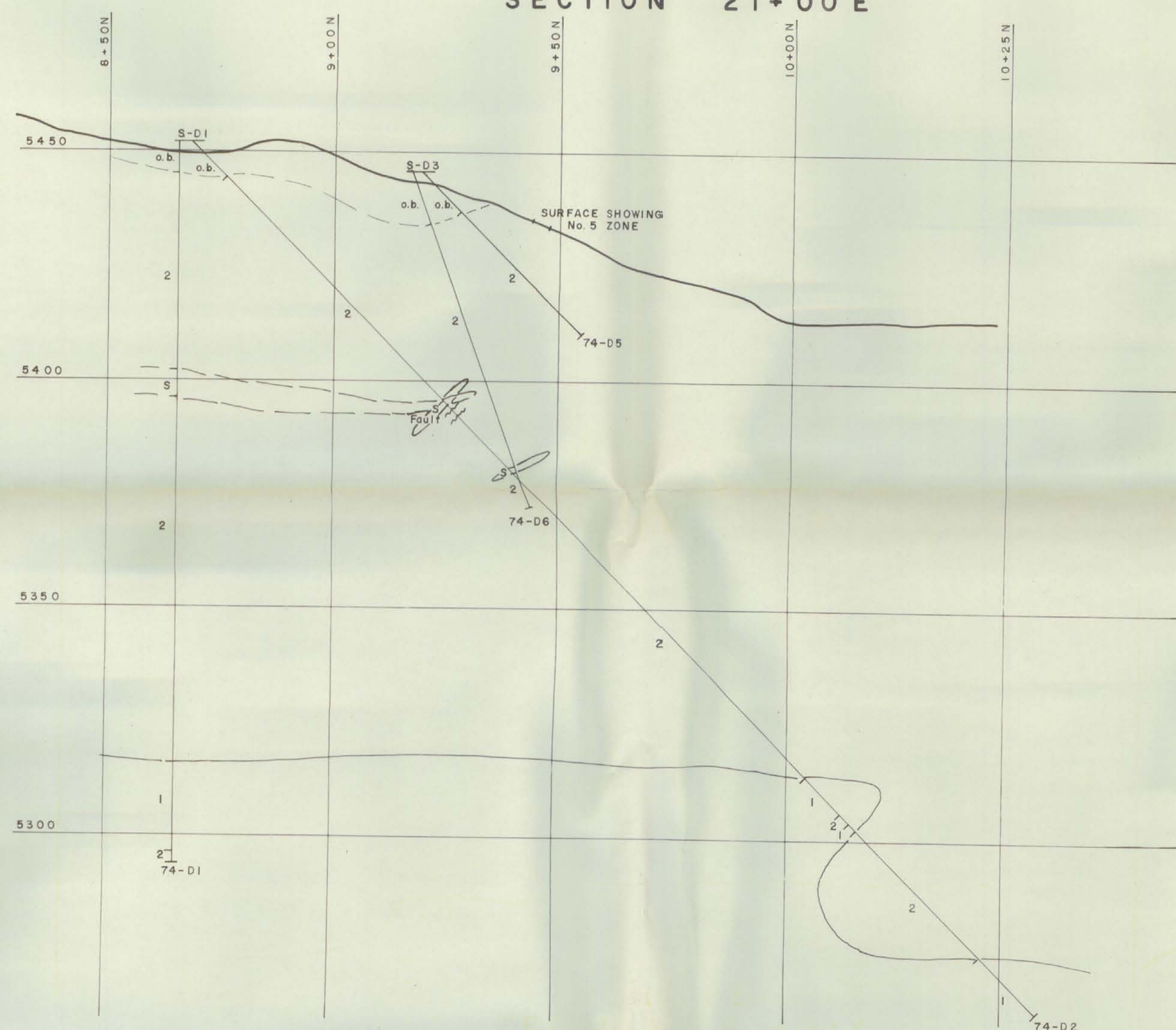
For GEOLOGY LEGEND
see SECTION 21+00 E



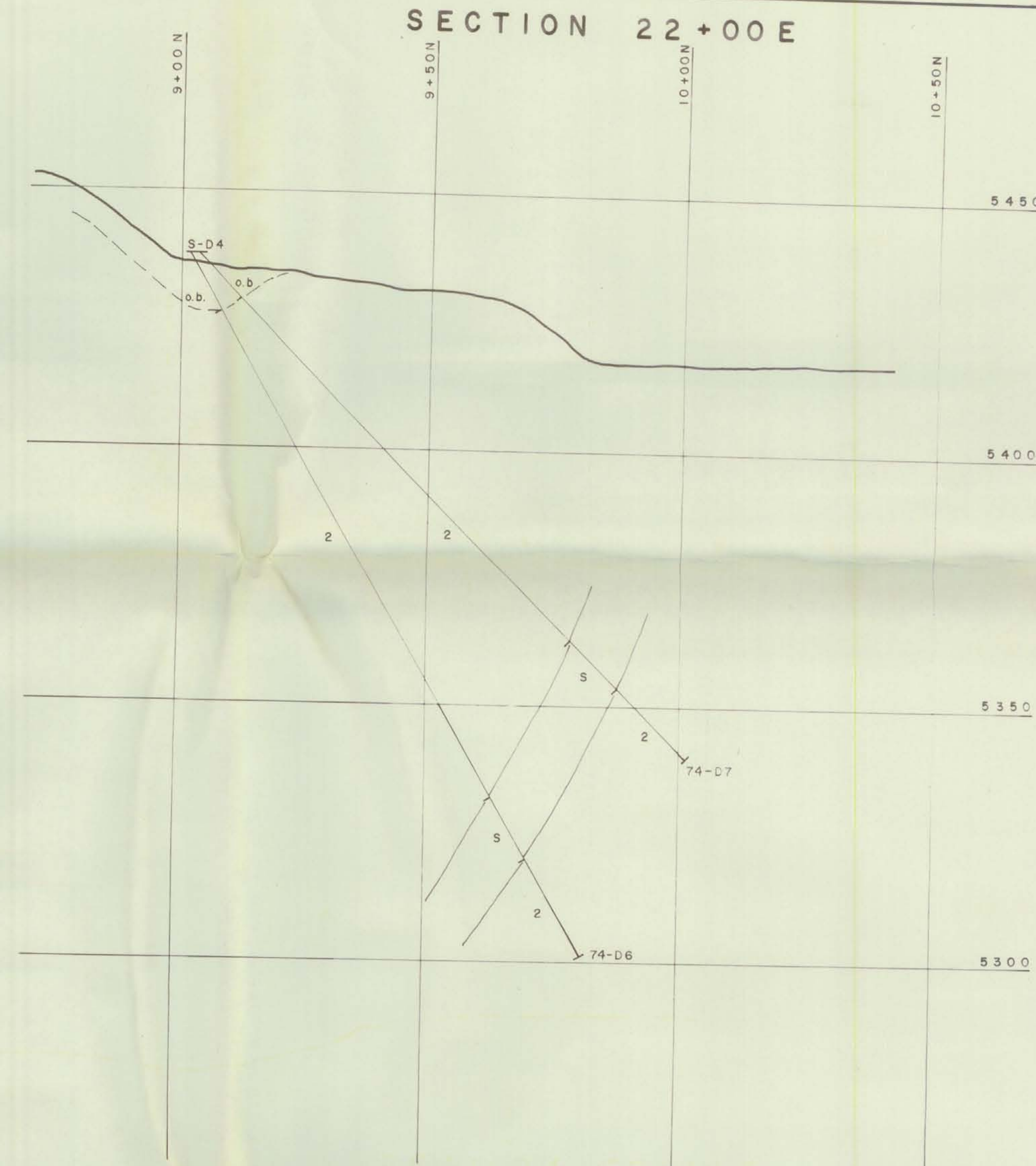
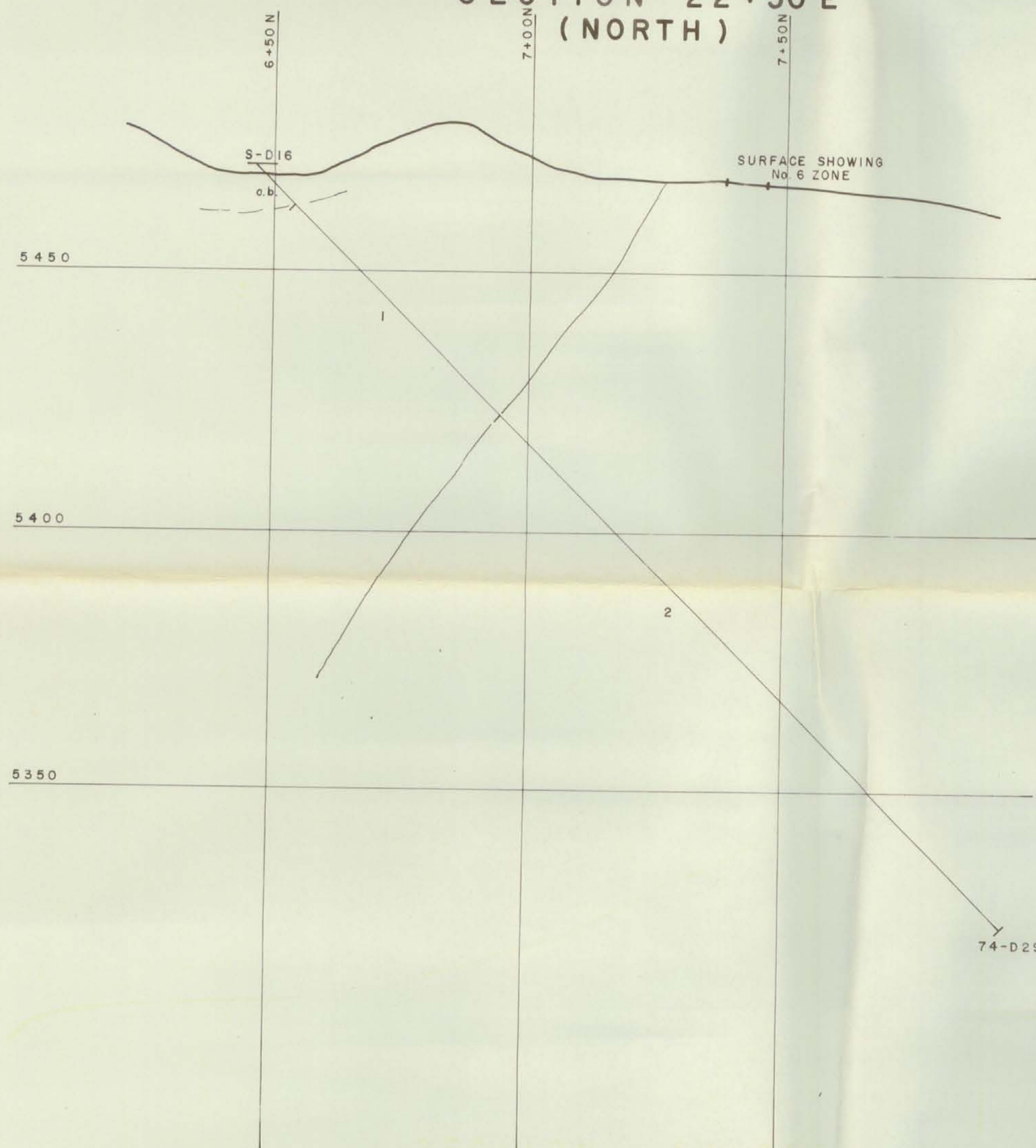
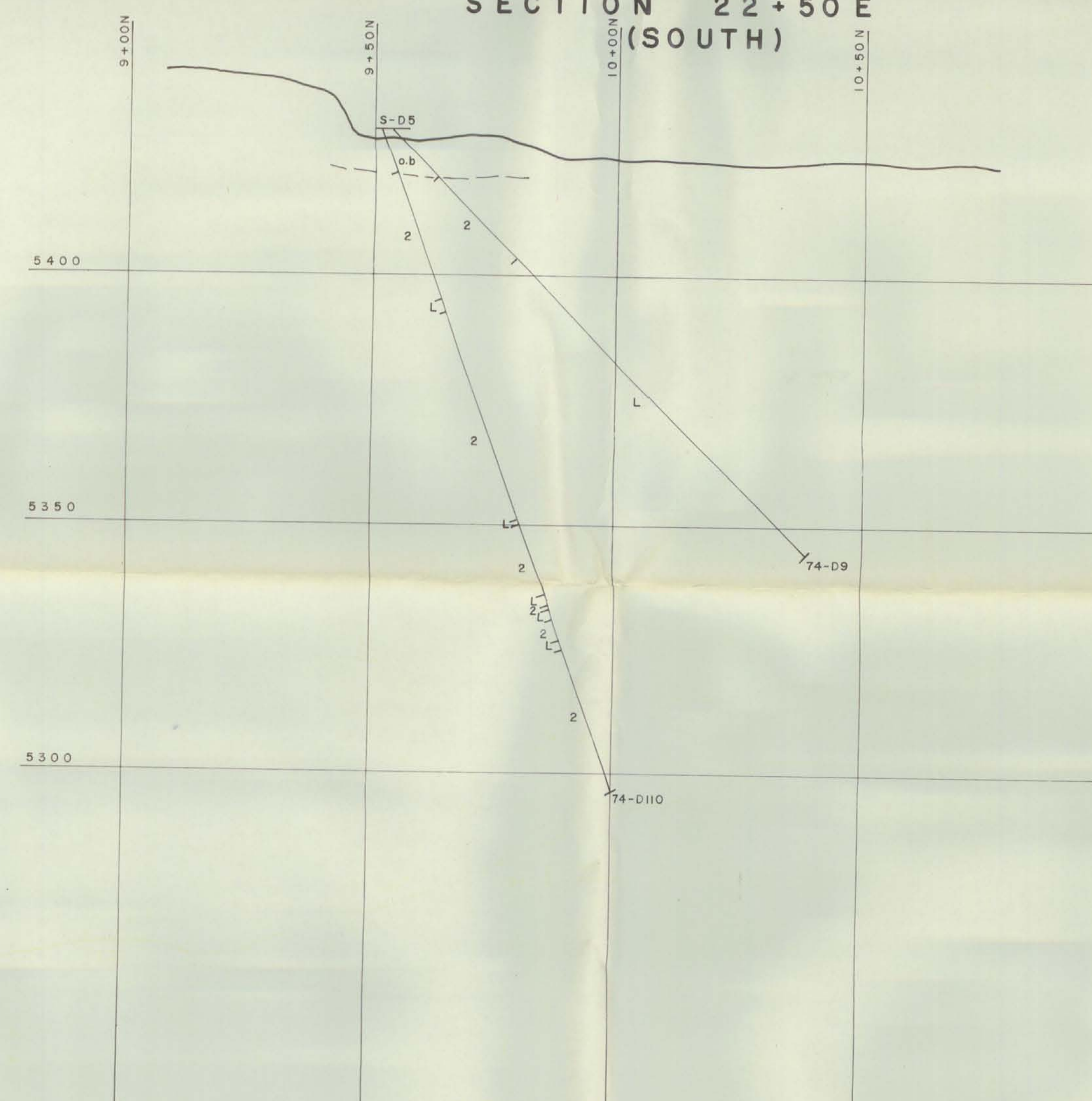
SECTION 20+00E



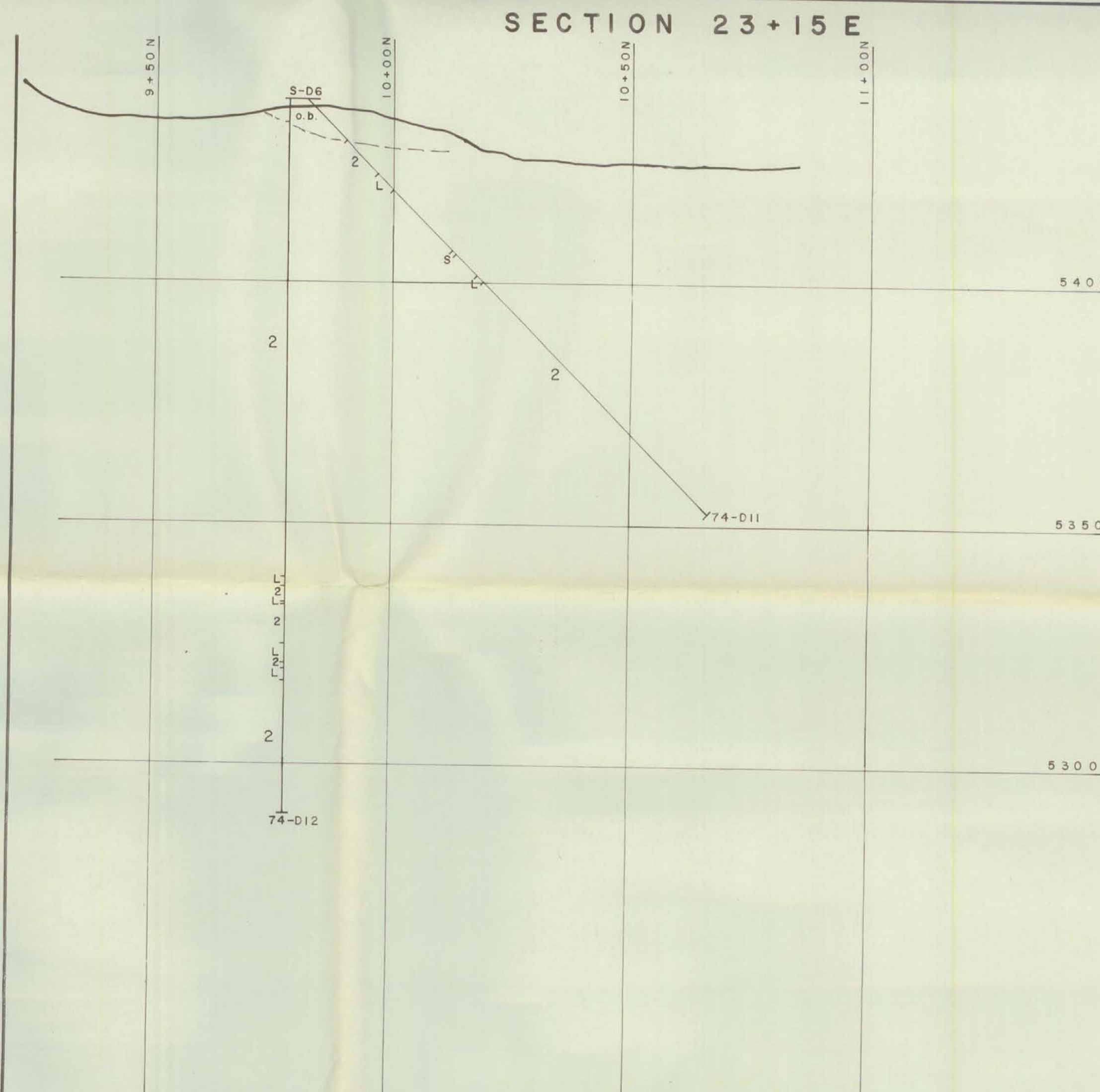
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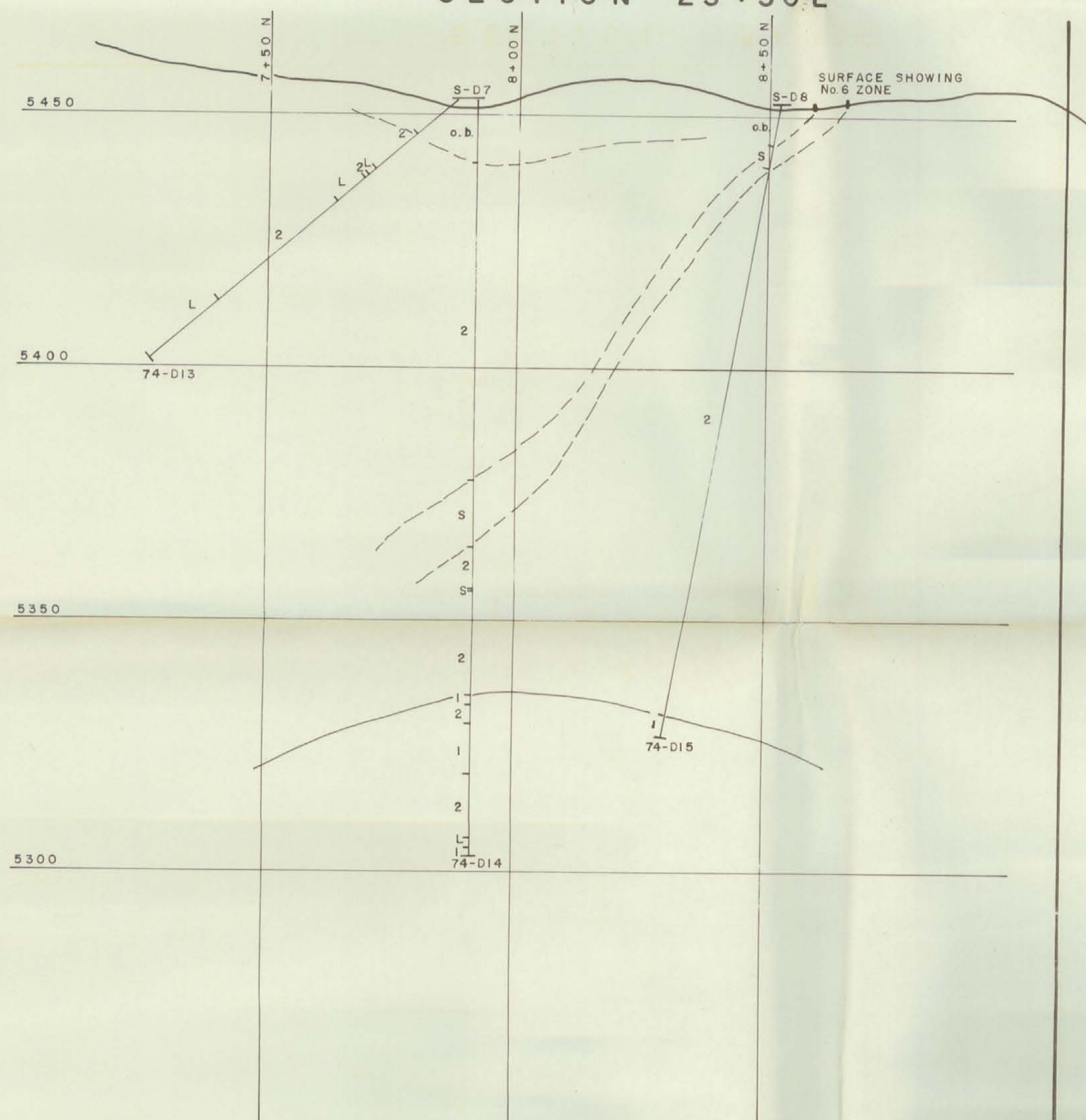
SECTION 22+00E

SECTION 22+50E
(NORTH)SECTION 22+50E
(SOUTH)

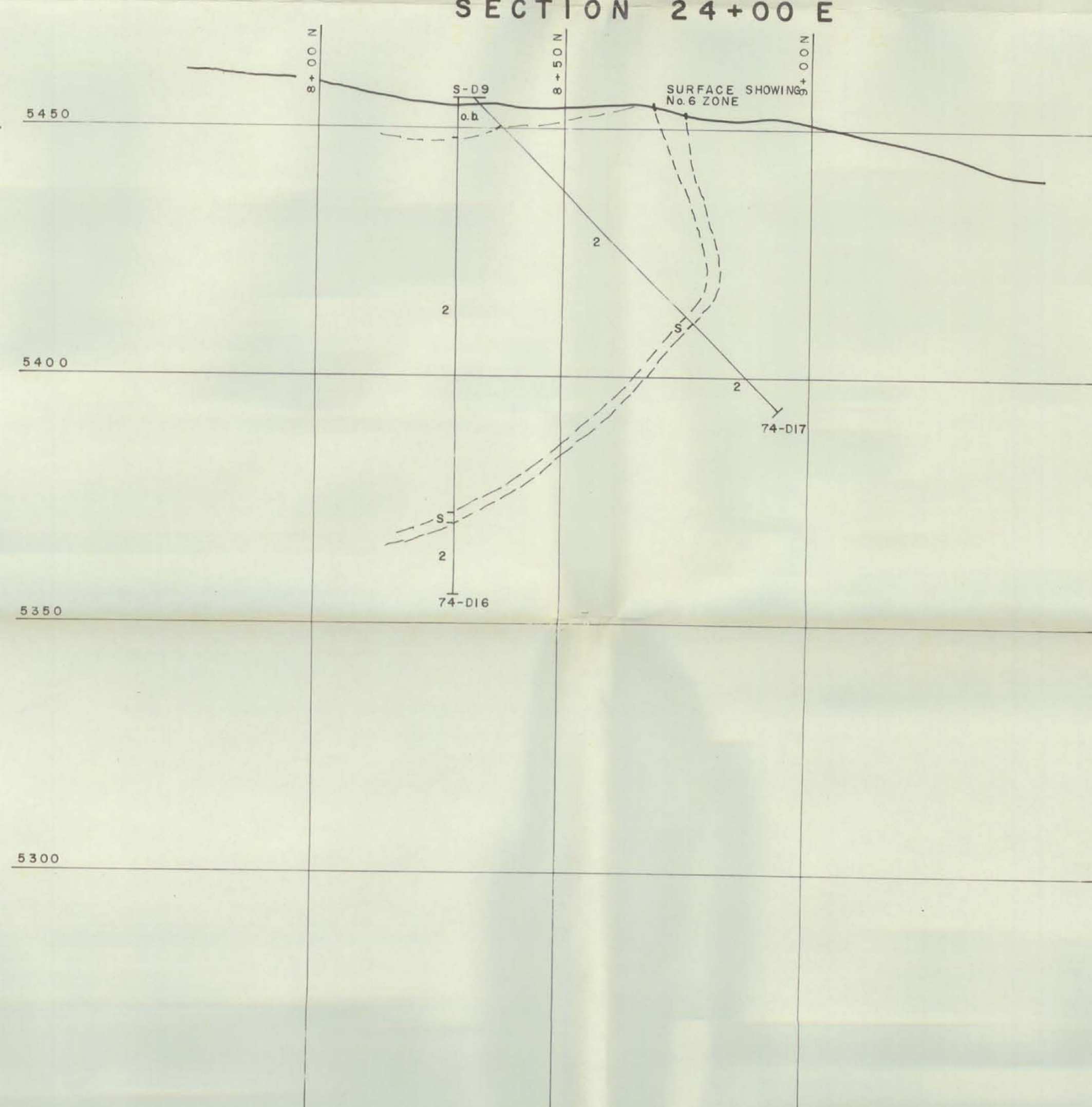
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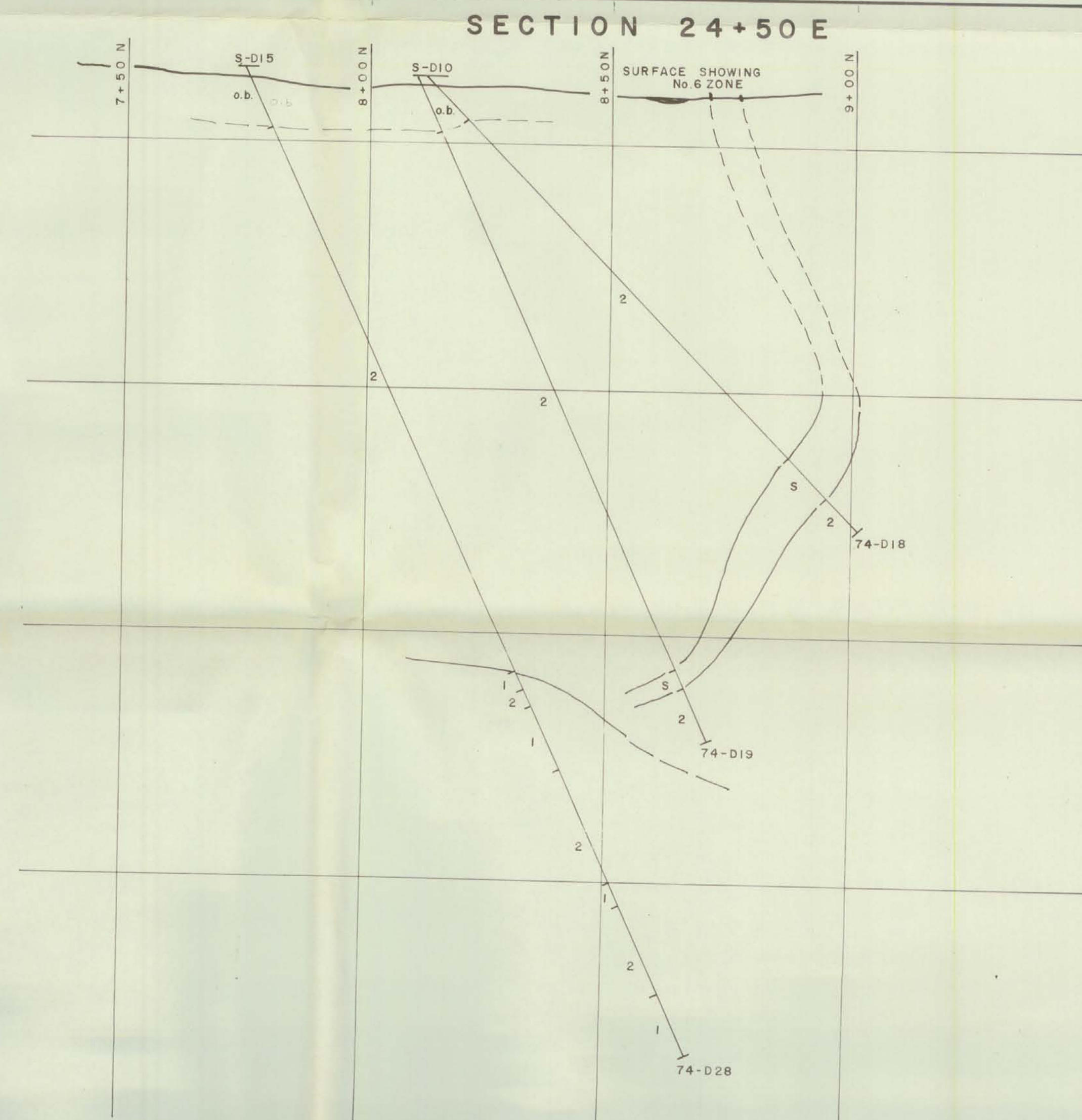
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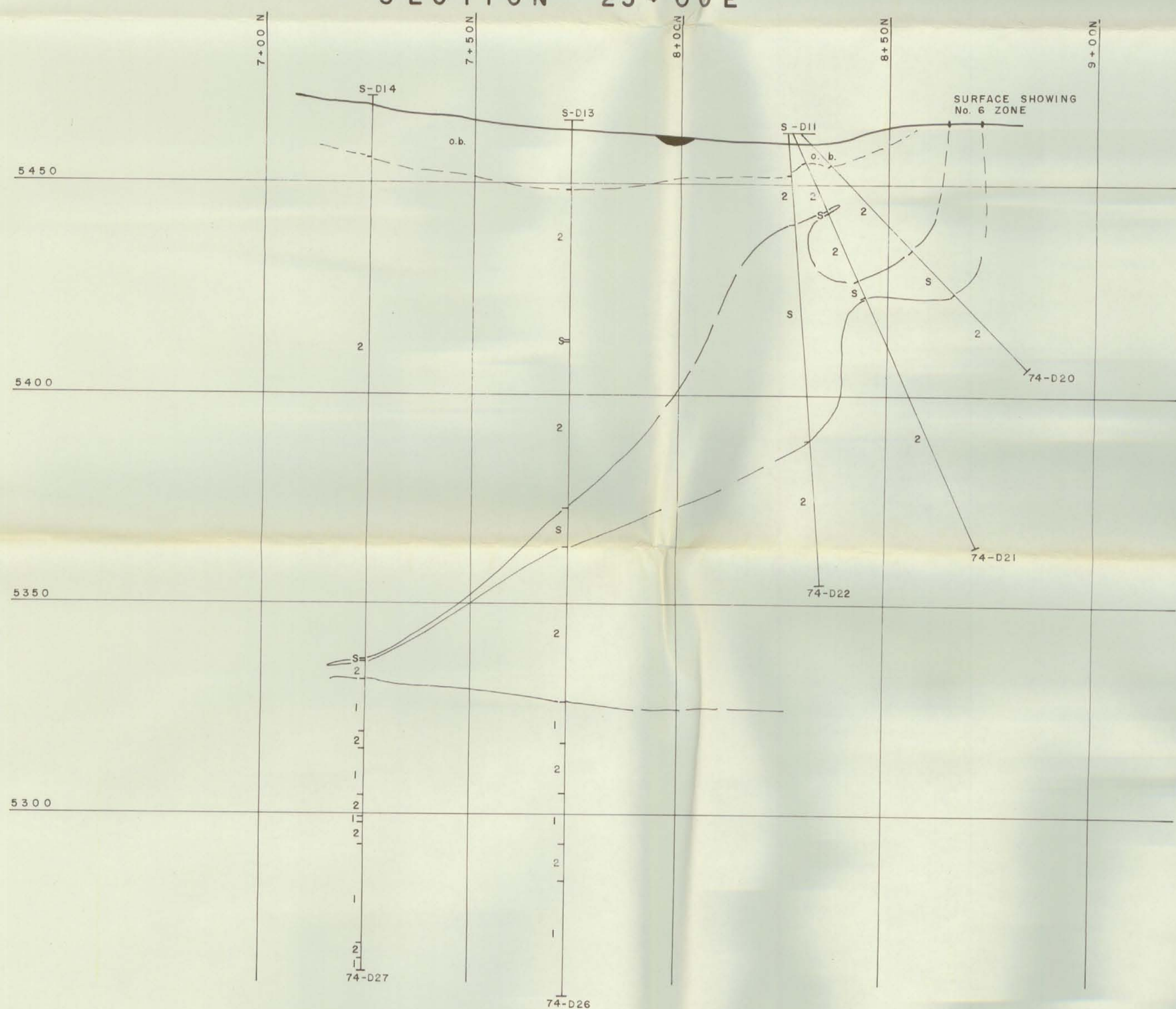
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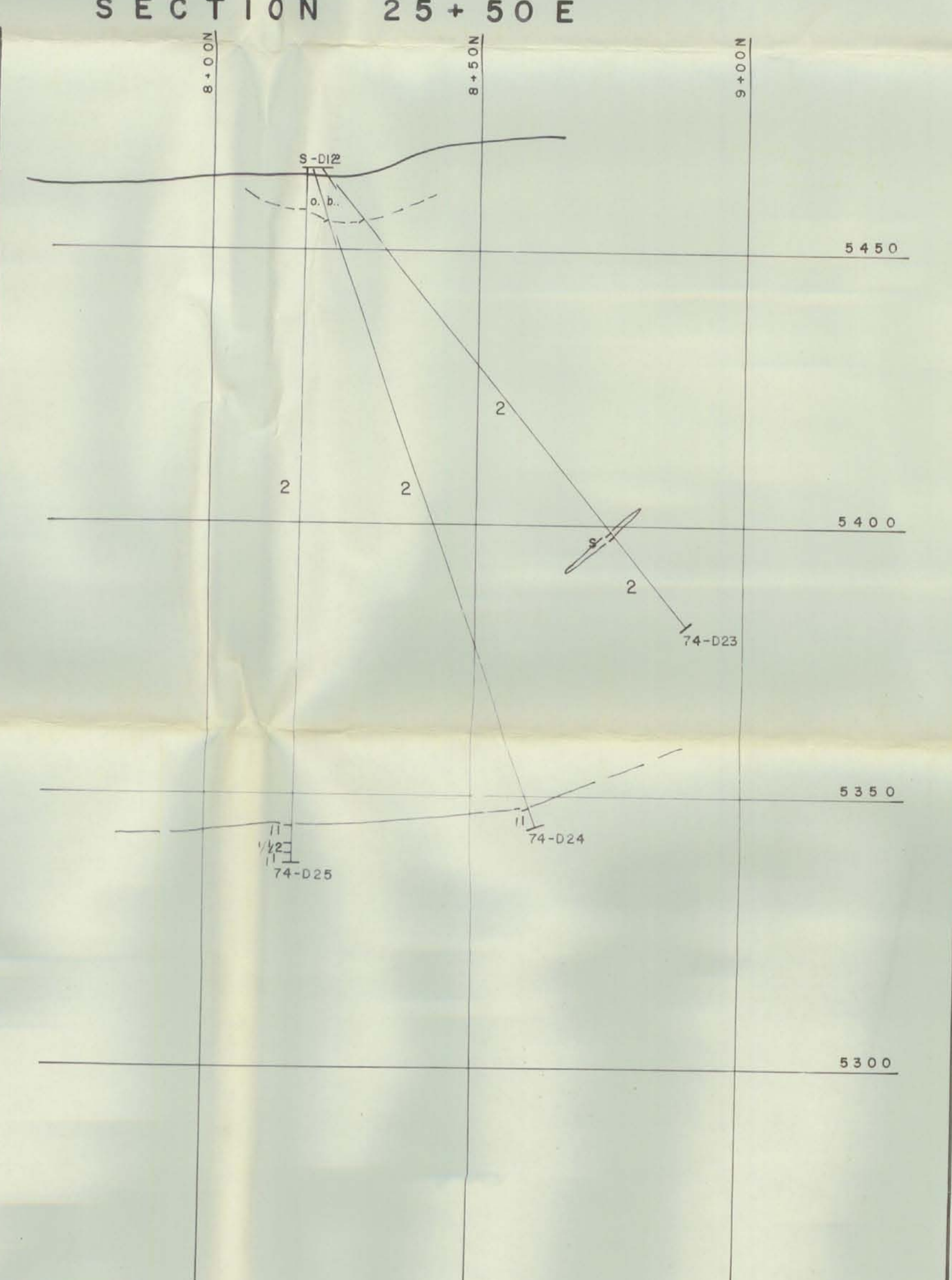
SECTION 24+50E



SECTION 25+00E

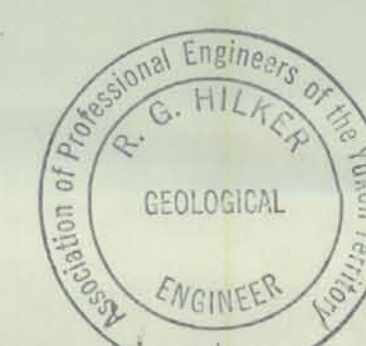


SECTION 25+50E



- GEOLOGY LEGEND -

- GENOZOIC
 [ab] Overburden
 MESOZOIC
 [L] Lamprophyre
 PALEOZOIC
 CAMBRIAN SERIES
 [6] Argillaceous limestone
 [5] Black argillite
 [4] Upper limestone
 [3] Middle argillite
 [2] Lower limestone
 [1] Lower argillite
 [3] Sulfide zone



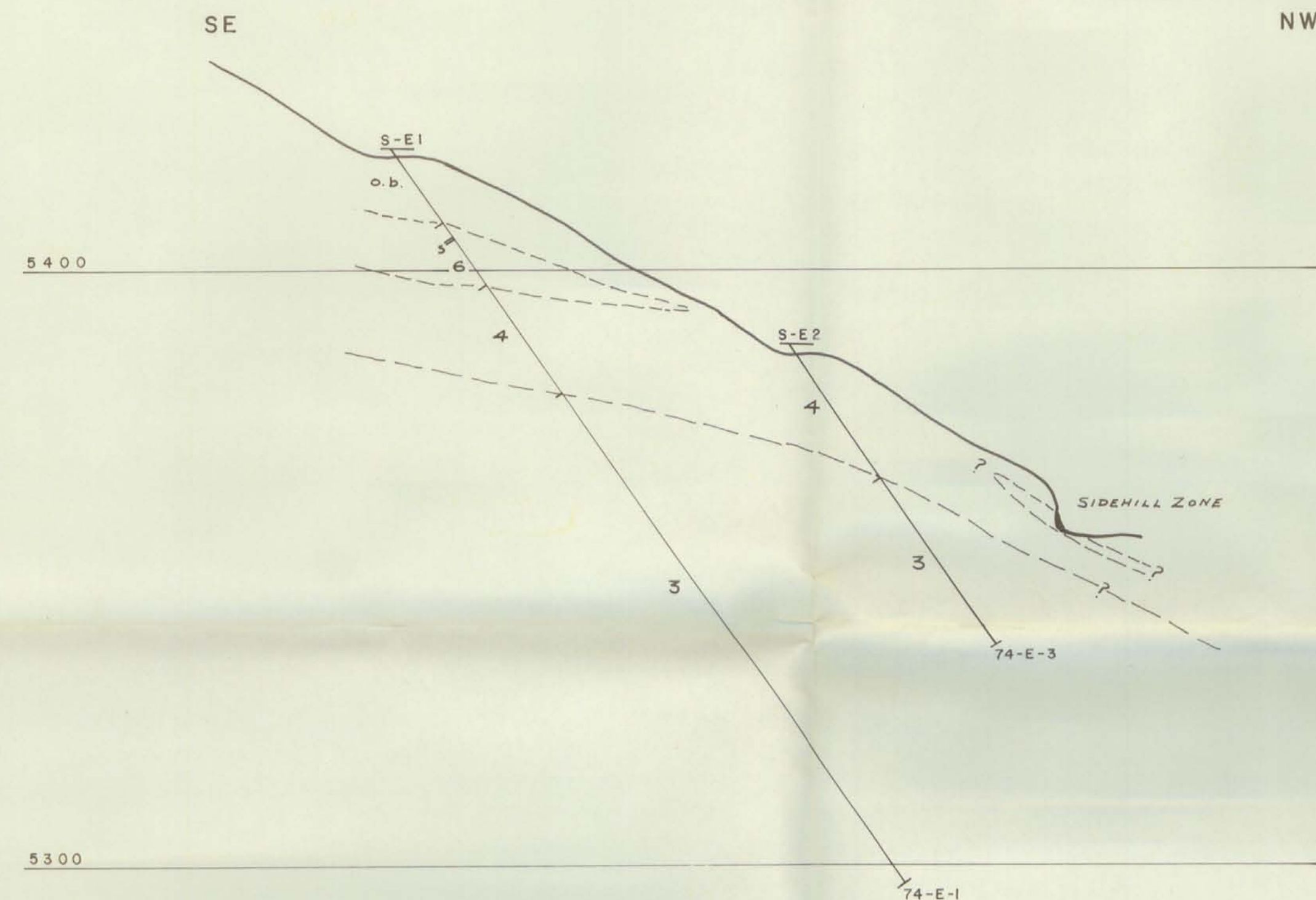
R.G. HILKER LTD.
 CONSULTING GEOLOGIST
 WHITEHORSE, N.T.

TINTINA SILVER MINES LTD.
 D. GRID
 DIAMOND DRILL HOLE SECTIONS

DATE: OCT/74 SCALE: 1" = 20'

E GRID

DRILL HOLES - BR'G. N 55° W



- GEOLOGY LEGEND -

CENOZOIC

[o.b.] Overburden

MESOZOIC

[L] Lamprophyre

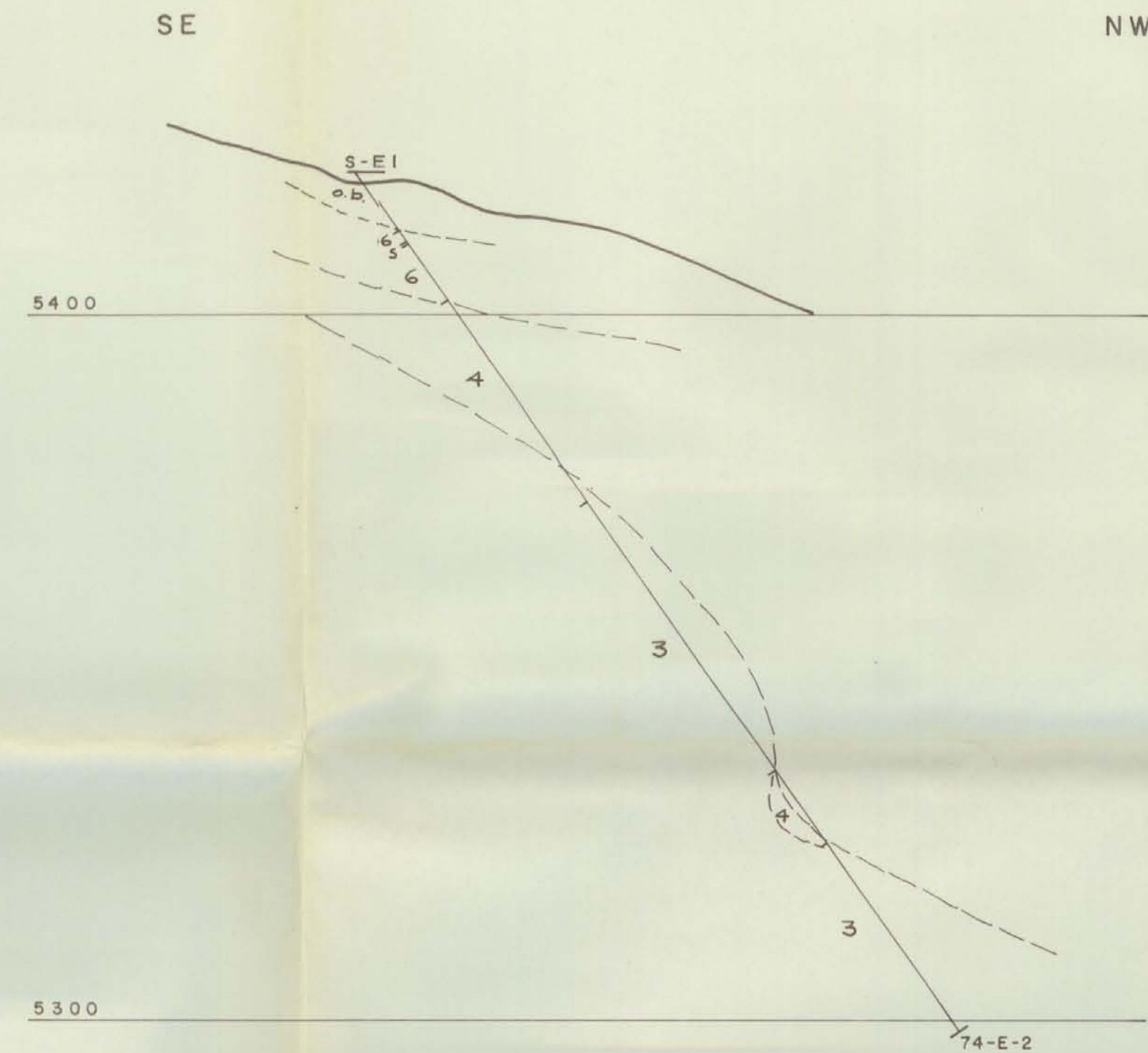
PALEOZOIC

CAMBRIAN

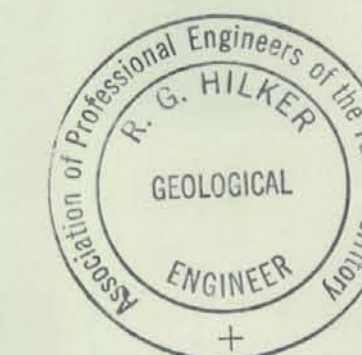
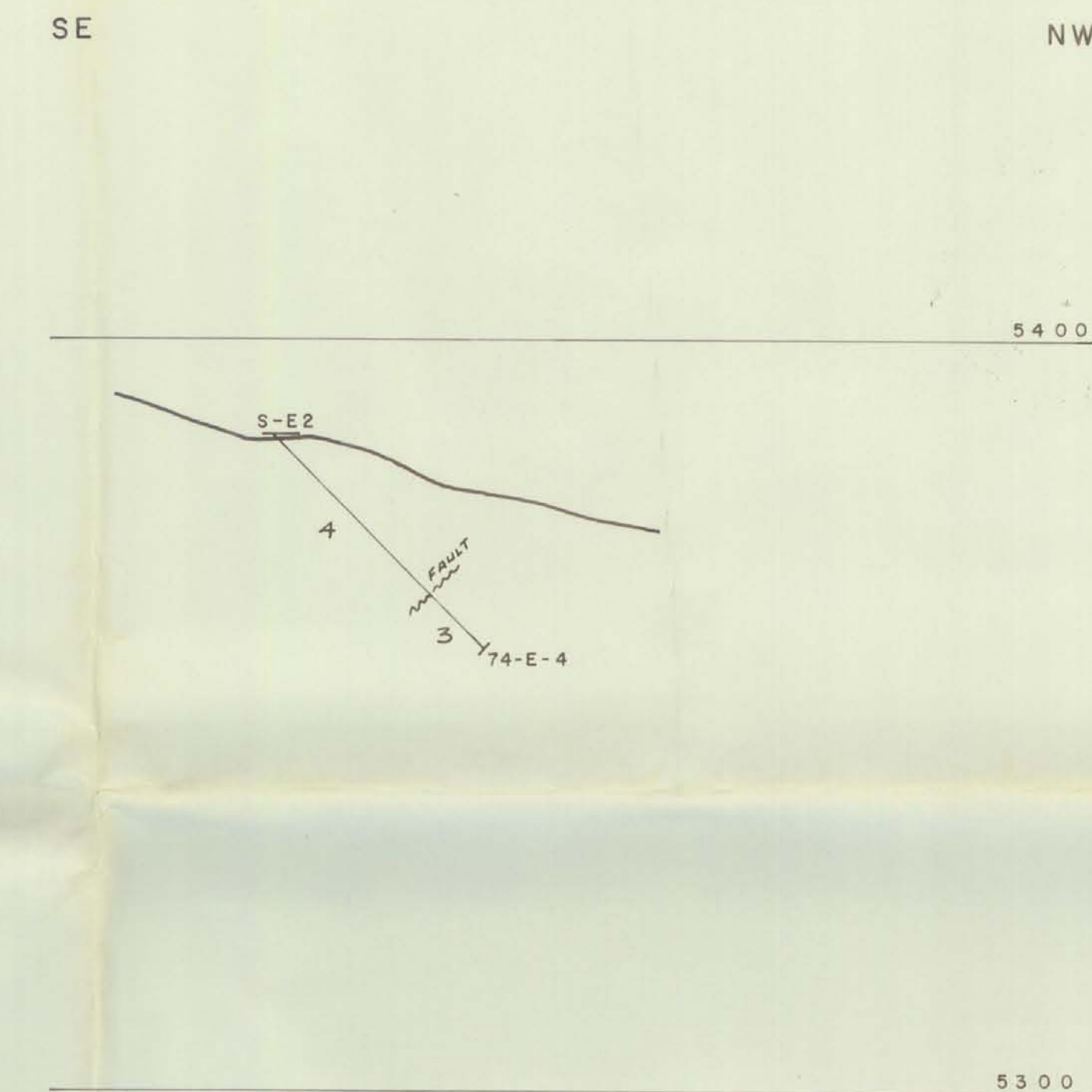
TINTINA SERIES

- [6] Argillaceous limestone
- [5] Black argillite
- [4] Upper limestone
- [3] Middle argillite
- [2] Lower limestone
- [1] Lower argillite
- [S] Sulfide zone

DRILL HOLE - BR'G. N 20° W



DRILL HOLE - BR'G. N 35° W



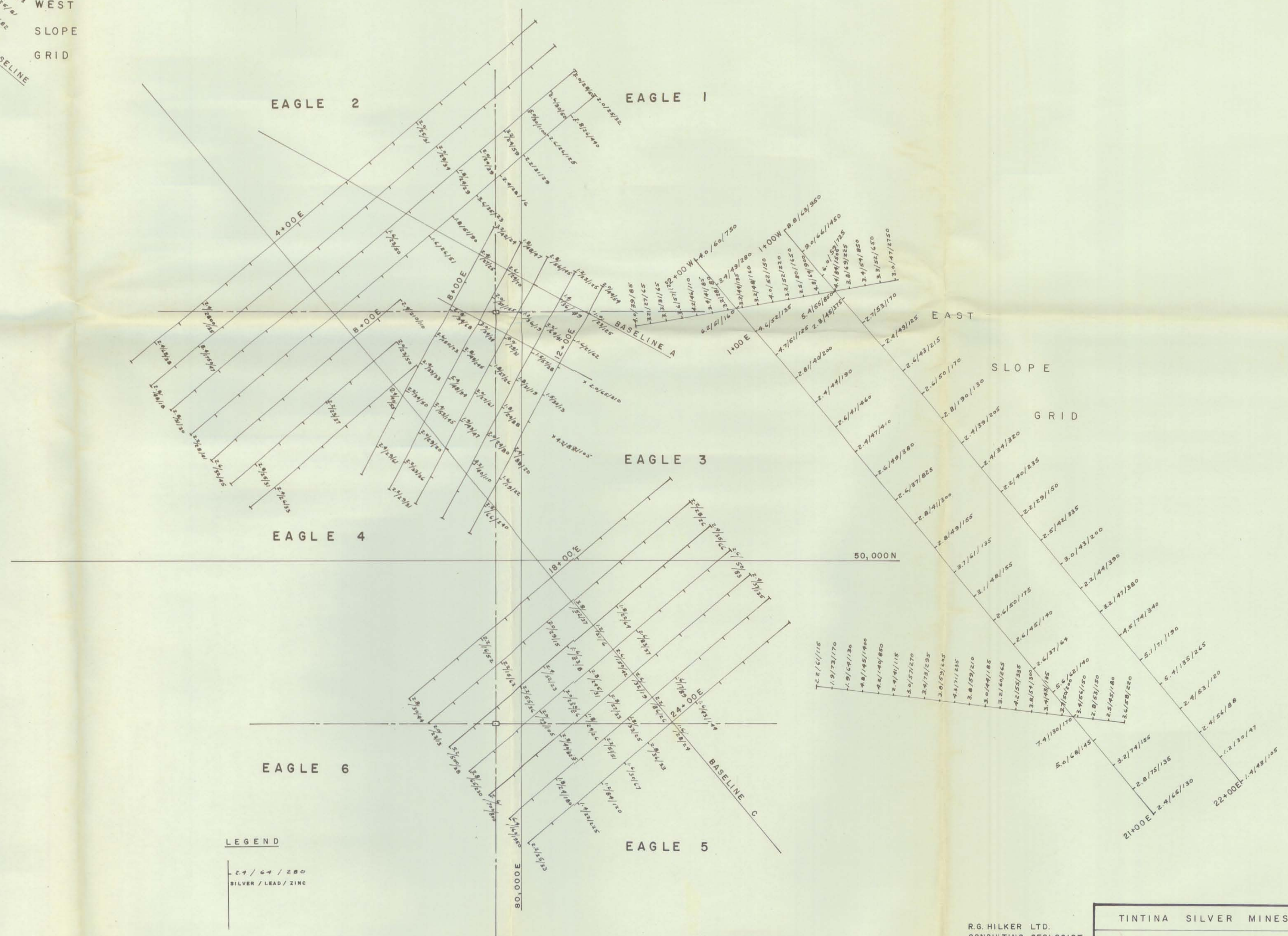
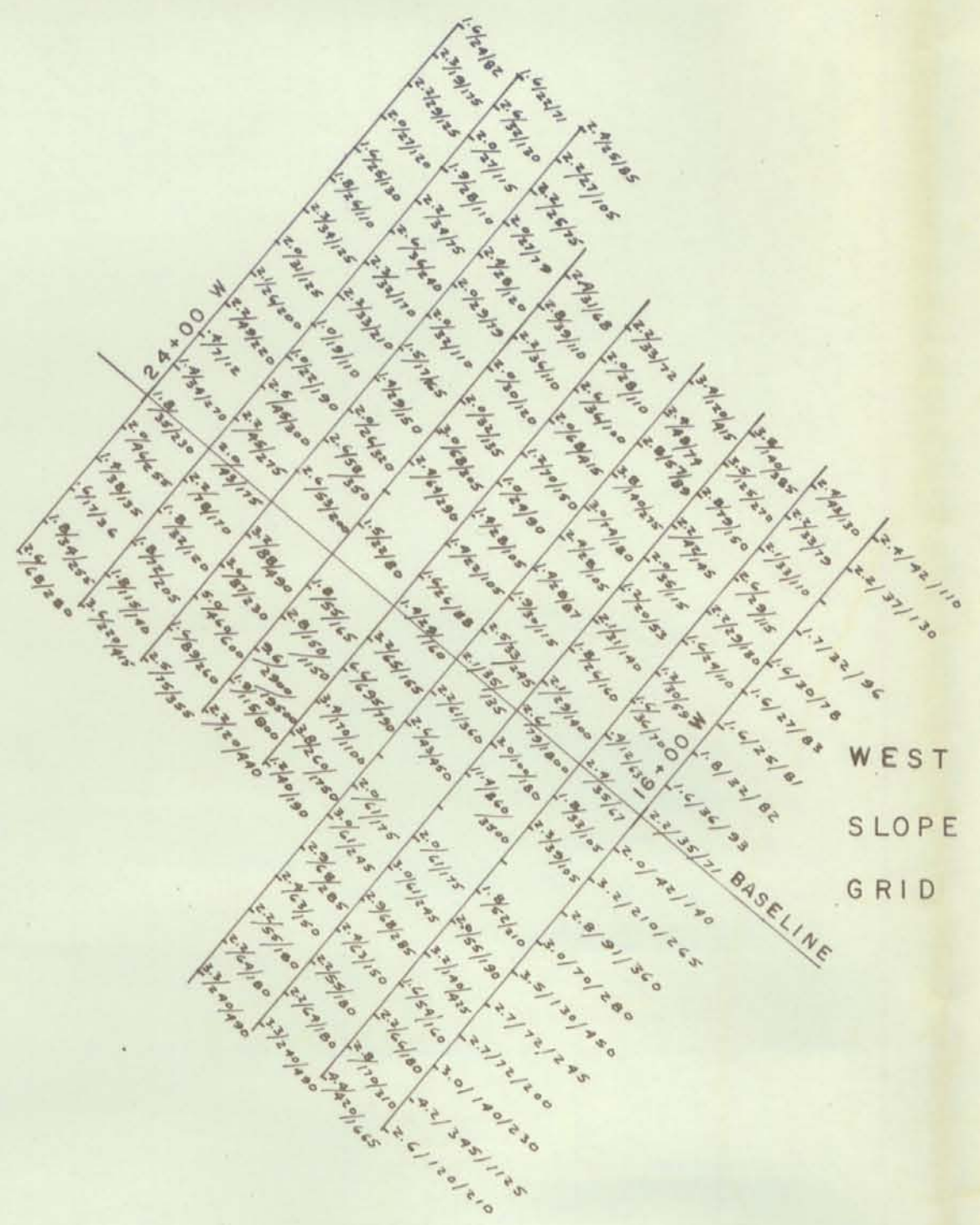
R. G. HILKER LTD.
CONSULTING GEOLOGIST
WHITEHORSE, Y.T.

NOTE: ALL DIAMOND DRILL HOLE LOCATIONS
AND ELEVATIONS ARE APPROXIMATE.

TINTINA SILVER MINES LTD.

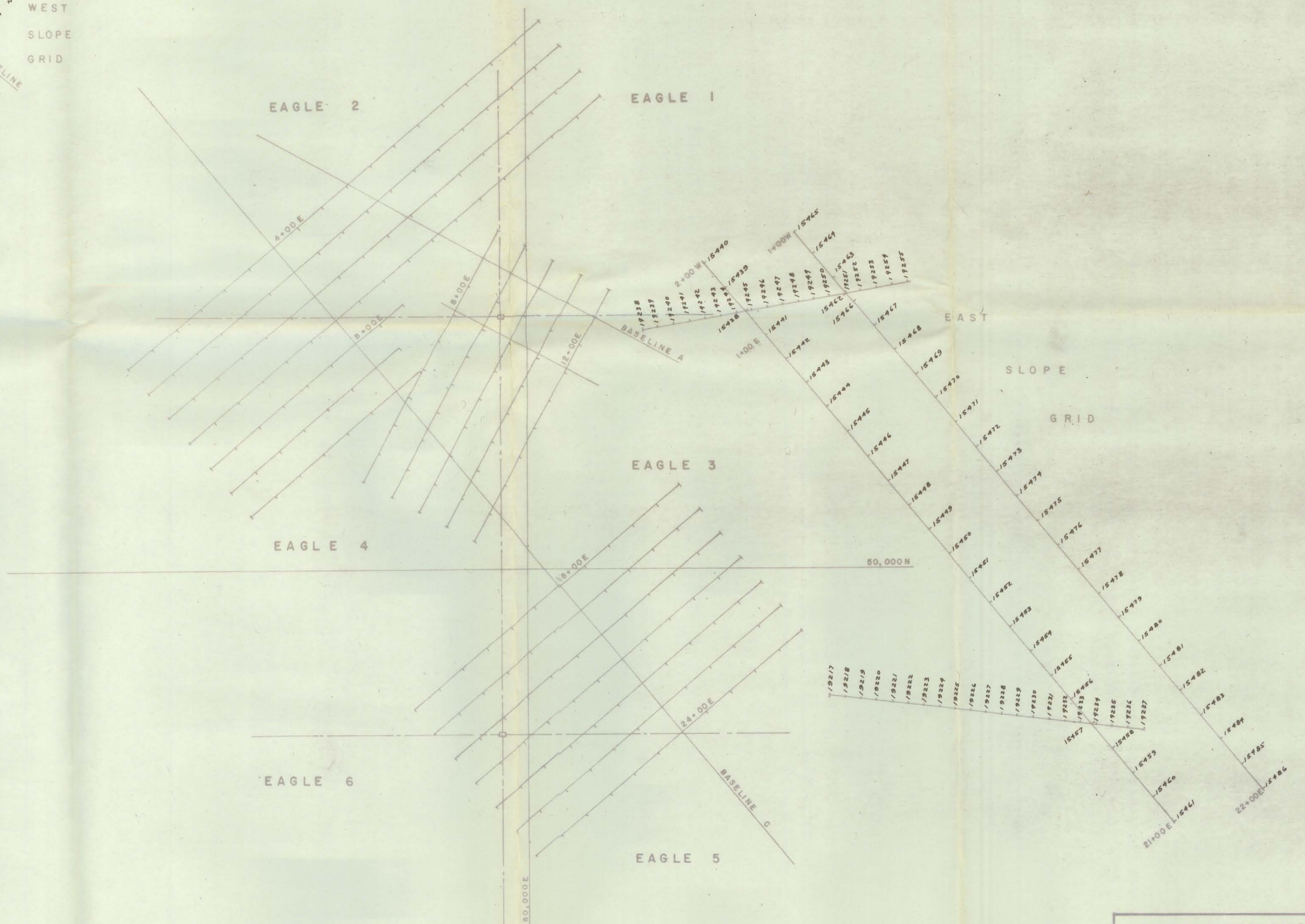
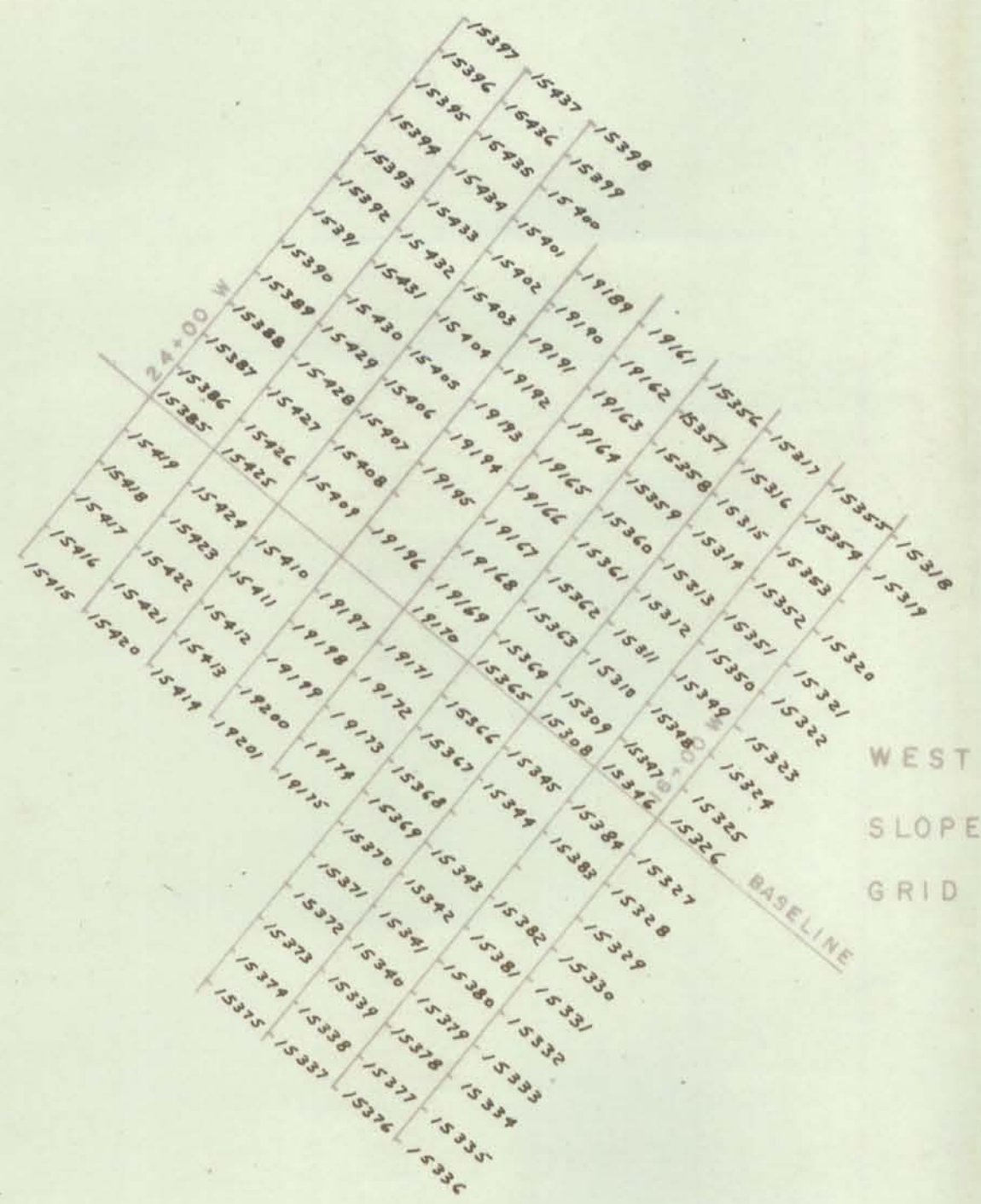
E GRID
DIAMOND DRILL HOLE SECTIONS

DATE: Oct./1974 SCALE: 1" = 20'



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WHITEHORSE, Y.T.

TINTINA SILVER MINES LTD.	
GEOCHEMICAL SURVEY - SOIL SAMPLE LOCATIONS AND SILVER - LEAD - ZINC VALUES	
DATE: Nov. / 1974	SCALE: 1" = 200'



LEGEND

19384
SOIL SAMPLE NUMBER

R.G. HILKER LTD.
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WHITEHORSE, Y.T.

TINTINA SILVER MINES LTD.

GEOCHEMICAL SURVEY - SOIL
SAMPLE LOCATIONS AND
SILVER-LEAD-ZINC VALUES

DATE: Nov./1974 SCALE: 1" = 200'