

ARCHER, CATHRO
AND ASSOCIATES LTD.
CONSULTING GEOLOGICAL ENGINEERS

WHITEHORSE. Y.T. 667-4415

685, TWO BENTALL CENTRE, VANCOUVER, B.C. 688-2568

POST OFFICE BOX 4127
WHITEHORSE. Y.T.

GEOLOGY AND GEOCHEMISTRY

Hoo Occurrence
Ho-Ho 1-245 Claims

Y64634-Y64665
Y64735-Y64742
Y64781-Y64828
Y70276-Y70424


105G/12

Latitude: 61°32'N

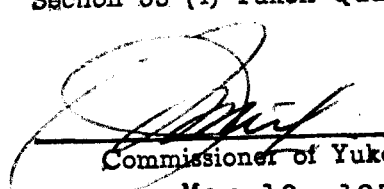
Longitude: 131°33'

Watson Lake Mining District

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$ 20,400.00


Resident Geologist or
Resident Mining Engineer

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


Commissioner of Yukon Territory

May 10, 1973

A.R. Archer, P. Eng.

TABLE OF CONTENTS

<u>In Text</u>	<u>Page</u>
Summary and Recommendations	1
Introduction	1
Property Location and Access	2
History and Previous Work	4
Geology	6
Geochemistry	10
Detailed Geochemical Analyses of Stream and Pit Samples	12
Conclusions	19

Illustrations

- Figure 1 - Location & Access Scale- 1:1,000,000-following page 2
- Figure 26- Regional Geology Scale- 1:50,000
- Figure 27- Regional Geochemistry Scale-1:50,000
- Figure 28- Geological Interpretation Scale 1"=1000 ft.
- Figure 29- Zinc Geochemistry - Hoo Property Scale 1"=1000 ft.
- Figure 30- Lead Geochemistry - Hoo Property Scale 1"=1000 ft.
- Figure 31- Copper Geochemistry-Hoo Property Scale 1"=1000 ft.

SUMMARY AND RECOMMENDATIONS

Abundant stratiform zinc-lead float of local origin was found in a glacial terrace on the Hoole River about twenty miles south of the Campbell Highway. Geological mapping is difficult due to a lack of outcrop but all observations suggest that the source is a hard limy sandstone horizon lying between Cambrian(?) limestone and chlorite schist. Random sampling of mineralized float in the glacial till returned an average grade of 6.5 per cent zinc, 0.5 per cent lead and 0.5 oz/ton silver. Grid soil sampling has located five anomalous zones over a length of 18,000 feet. At least three anomalies appear to define mineralized centres that require evaluation by bulldozer trenching and/or drilling. Thick overburden will make bulldozer trenching locally difficult. The abundance of well mineralized float, combined with the geochemical evidence that the mineralized stratigraphic sequence has a long strike length and the easy accessibility to existing transportation routes give this target highest priority. The exploration objective is one or more open-pittable zinc deposits. A total of 245 Ho-Ho mineral claims have been staked by South Yukon Joint Venture to cover the mineralized area, potential town and plant sites and a tailing disposal area.

INTRODUCTION

The geochemical sampling and geological mapping program described in this report was carried out by Archer, Cathro & Associates Ltd., managers for South Yukon Joint Venture (SYJV) which was

formed in 1972 by Straus Exploration, Inc.; Standard Oil Company of British Columbia Limited; Union Oil Company of Canada Limited; and Messrs. Landon T. Clay and Harris Clay to explore for minerals in the southern Yukon. The geochemical sampling the geological mapping was done to locate the source of stratiform zinc-lead float found in Sanders Creek. Field men working on the project were :

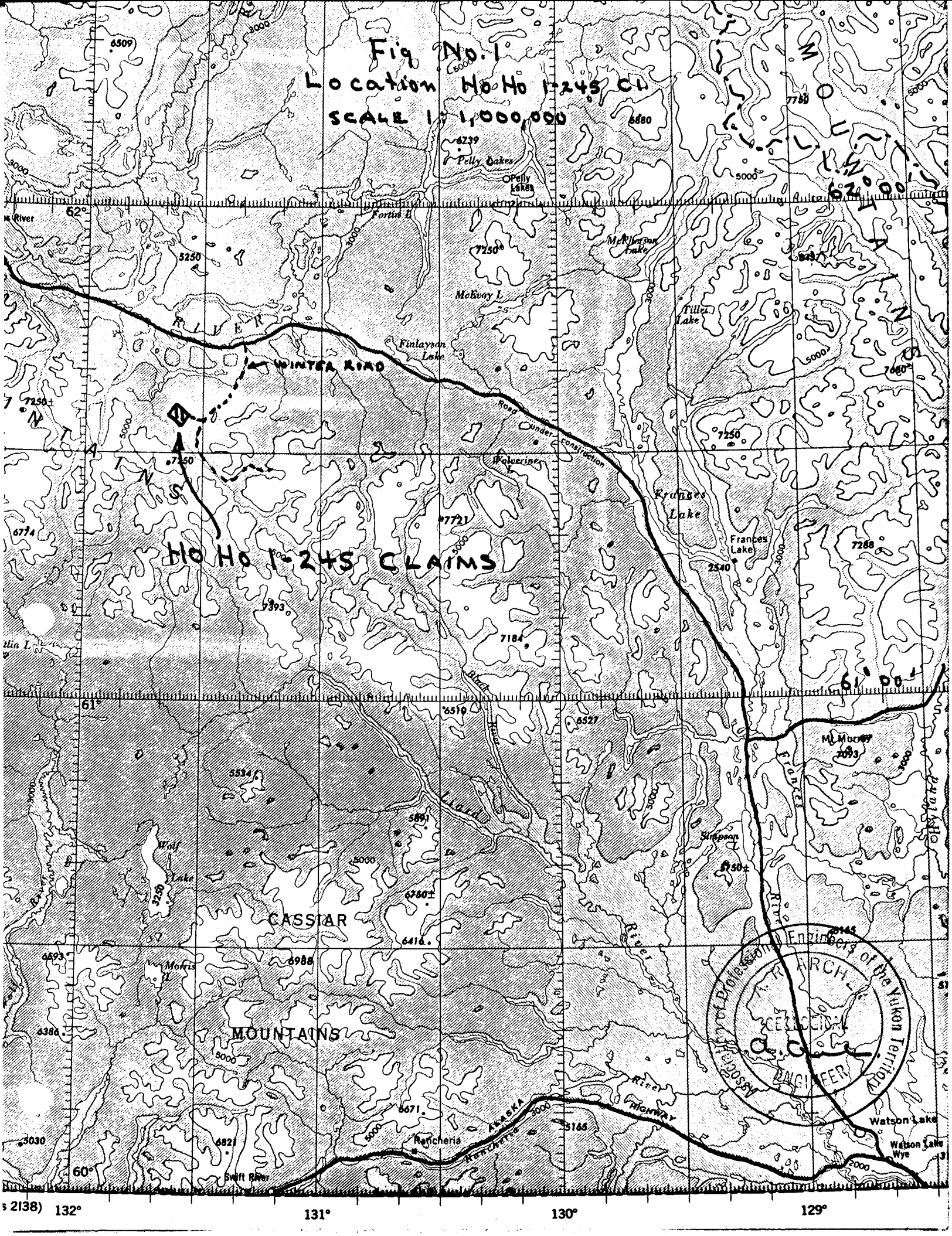
D. Bruce - Aug.21-Sept.5
K.Carswell- Aug.31-Sept.17
D.Eaton - Aug.31-Sept.8
B.Fairbank-Aug.21-Sept.1
J.Nitsch -Aug.21-Aug.31
J.Slater -Aug.21-Oct.15
J.Dickinson-Sept.1
E.Jensen -Sept.6-13
A.McLeod -Sept.1-17
G.Nicholson-Sept.1-15
J.Rance -Sept.1-15
M.P.Phillips-Sept.7-13

PROPERTY LOCATION AND ACCESS

The property consists of a block of 245 contiguous claims recorded at Watson Lake in the name of Archer, Cathro & Associates Ltd. as follows:

<u>Claim Name</u>	<u>Grant Numbers</u>	<u>Expiry Dates</u>
Ho-Ho 1	Y64634	23 August, 1973
2-3	Y64635-36	21 August, 1973
4-24	Y64637-57	23 August, 1973
25-32	Y64658-65	21 August, 1973
33-40	Y64735-42	1 Sept. ,1973
41-96	Y64781-828	11 Sept. ,1973
97-245	Y70276-424	8 Nov. ,1973

Fig. No. 1
Location No. Ho Ho 1-245 C1
SCALE 1:1,000,000



HO HO 1-245 CLAIMS

CASSIAR

MOUNTAINS



The closest settlement is Ross River, fifty miles northwest of the property. The all weather Campbell Highway passes fifteen miles north of the property. Access during the summer months is only possible by a combination of float equipped fixed wing and helicopter . The Northlake winter road constructed in 1966 is two miles east of the property. In March-April, 1973 this road was reopened and tote trail extension built to connect it with the property. Some seventy tons of exploration equipment and a D8 bulldozer moved to the property before the spring break-up.

HISTORY AND PREVIOUS WORK - The first record of mineralization from this area was a report of zinc-lead in limestone and chalcopyrite in quartz found in creek float by prospectors K.G. Sanders and R. Zielinski for Newmont in 1955. Their prospecting was probably prompted in part by the outlining of the Vangorda Deposit, some eighty miles northwest, by Kerr Addison Mines Ltd. in 1953 and 1954. The existence of the Hoo mineralization was first made public in 1966 in a geological report by consultant P.H. Sevensma in the Prospectus of Northlake Mines Ltd., a junior company formed early that year to explore for deposits of massive lead-zinc following the discovery of the Faro Deposit by Anvil Mining Corp. Ltd. (Dynasty Explorations Ltd. and Cyprus Explorations Ltd.) in 1965, ten miles from the Vangorda Deposit. Northlake staked most of the known showings in the area southwest of Finlayson Lake, including the Hoo claims in January, 1966. Later that year, Northlake conducted a combined airborne magnetic and electromagnetic (EM) survey over the Hoo claims, silt sampled the main creeks in the area, ran ground magnetic and EM surveys, and diamond drilled four holes, with a combined total of 1596 feet, to test an EM conductor. Northlake filed this work for assessment credit before it became inactive in 1968, and the Hoo claims lapsed in early 1971. Total expenditure by Northlake on the Hoo property was at least \$100,000.

During the preparation of the Northern Cordillera Mineral Inventory in the winter of 1971-72, Archer, Cathro selected the Hoo occurrence as an exploration target that warranted more study. The Northlake assessment

reports, which had been released from confidential status when the Hoo claims expired, were examined in Whitehorse in May, 1972 and these indicated that Northlake had not investigated the mineralized float, had relied entirely on geophysics in selecting drill targets, and had drilled on the opposite (southwest) side of Hoole River from the float occurrence in Sanders Creek. The drilling intersected minor amounts of pyrrhotite, pyrite and chalcopyrite in graphite schist.

On July 25, R.J. Cathro made a short visit to the Hoo property while enroute to another property. This visit confirmed the location of the Northlake drilling and determined that the source of the mineralized float was probably in an area of moderate relief and extensive overburden and vegetation cover.

On August 4, Joe Nitsch and Martin Smith were moved to the property by helicopter and camped at the west end of MacDonald Lake until August 7. Work was hampered by high water in the creeks but the presence of zinc-lead float in Sanders Creek was confirmed. Prospecting showed that outcrop was virtually absent and that an unusually mature vegetation cover completely obscured talus and overburden. Reconnaissance soil sampling suggested an elongate zinc-lead anomaly near the headwaters of Sanders Creek. The mineralization found in the creek consisted mainly of sphalerite, which would not respond to geophysical methods. No copper float was found.

Exploration resumed on August 16 and continued until September 13 with a crew of four to eight men under Jock Slater. A total of 96 Ho-Ho claims were staked and grid soil sampled and prospected. In addition, reconnaissance prospecting and geochemical sampling was conducted in a surrounding area of about 200 square miles. Following compilation of the sampling results,

a further 149 claims were added to the block during the period Oct.30 - Nov.4.

GEOLOGY (Figures 26 and 28)

Evidence of mineralization is found on the gentle, south-facing slope of a hill which has relief of 1600 feet and reaches an elevation of 4925 feet. Mineralized float and geochemical anomalies have been found from the 4200 foot elevation to above the 4500 foot elevation, which is above the limit of the last stage of glaciation, near the 4150 foot elevation. Mineralized float is best exposed near the top of a glacial terrace, on the southeast bank of upper Sanders Creek, at an elevation of about 4150 feet. Most of the float in Sanders Creek, which has been found all the way down to the mouth, is probably derived from this terrace.

Prospecting, combined with soil sampling on lines 400 feet apart, located only six small outcrops within the original 96 claims. The property is completely blanketed by an unusually well developed vegetation cover which consists of scattered black spruce interspersed with clumps of dwarf birch and tag alder (buck-brush), and three to six inches of moss and humus. Exposures of glacial or residual till are rare and are generally restricted to creek beds, springs and frost boils. Thus, the geology of the property (Figure 28) is still poorly understood and the ideas that follow are based on widely scattered samples, most of them float, and must be considered tentative.

The property occurs about three miles from the Tintina Fault, the major structure in the area. This fault, probably the northern extension of the Rocky Mountain Trench, strikes N50°W and has a horizontal, right-handed displacement of over 200 miles, mostly in the Mesozoic Era. The known zinc-lead deposits in the Anvil District lie from six to ten miles from the fault zone,

but it may be a coincidence that the two districts have this similarity. Detailed mapping in the Anvil District has shown that second and third order faults and folds, probably related to the Tintina Fault, are numerous. In the Hoo area, rocks on the southwest side of the Tintina Fault consist of complexly folded and faulted unmetamorphosed Paleozoic carbonates and argillaceous sediments, which trend parallel with the trench and are commonly overthrust to the northeast,

Typical mineralization, as seen in float specimens, consists of bands of disseminated sphalerite with small amounts of galena and pyrite. A preliminary petrographic study by H.T. Carswell shows that the host rock is a weakly metamorphosed, well-laminated, quartzite containing about 15 per cent ankerite and calcite and 1 to 5 per cent flakes of very fine grained, weakly oriented muscovite. The quartz has a sugary texture and occurs as fine laminations interspersed with sphalerite-rimmed ankerite bands. Trace minerals include 1 to 2 per cent plagioclase, zircon and apatite. Some mineralized specimens are more silty and others are slightly more schistose.

Assays of composite samples of partially leached float show grade ranges of 6.0-9.0 per cent zinc, 0.3-0.5 per cent lead, 0.3-0.5 oz/ton silver and 0.02-0.04 per cent cadmium. Spectrographic analyses of five samples did not indicate any other metals of interest. The sphalerite is medium to dark brown and occurs as discrete grains and clusters of grains which generally follow the foliation and occasionally cross it at small angles. Galena also occurs as discrete grains and both galena and sphalerite tend to be more abundant near boudins of quartz and ankerite. Silver occurs in the native form as very fine flakes within sphalerite grains. Pyrite occurs as disseminated grains up to 1 cm long and appears to be concentrated in definite bands. The pyrite content seldom exceeds 1 per cent. Sphalerite

is occasionally seen replacing pyrite.

Primary sedimentary textures, including cross bedding, have been seen in a few specimens. The most important texture appears to be brecciation caused by metamorphism or slumping. Rolled fragments of white, sugary quartz and buff ankerite and calcite are common, surrounded by mineralized laminations. Sulfides show a tendency towards coarser grain sizes in quartz, suggesting that porosity was an important control.

Most of the gravel in Sanders Creek is of glacial origin and consists of augen gneiss, metaquartzite and serpentinite. However, enough fine-bedded metasedimentary float was also seen in the creek bed to suggest that the mineralization occurs in a sequence of thin-bedded, fine-grained sediments, including limy siltstone, impure limestone and possibly chert. Mineralized float in Sanders Creek is found in all size fractions. All fist size or larger fragments of weakly bedded, fine grained sandstone contain some degree of mineralization. Similar, but unmineralized, sandstone float is only found in smaller sizes, suggesting that the mineralized sections are harder and more resistant to erosion.

No outcrops of bedded sediments were found on the property. Outcrop consists of massive, grey reef limestone on the south slope of the hill and green chloritic schist on top of the hill and to the southeast of the claims. These rocks have been correlated with G.S.C. Unit A and are probably Lower Cambrian or Hadrynian in age. On the northwest edge of the claims, porphyritic volcanic float is abundant and this has been correlated with Tertiary basalt flows mapped as Unit 11 further northwest by the G.S.C.

The reconnaissance mapping near the property (Figure 26) shows that the

host rocks to the Hoo mineralization form as east trending belt that is bounded to the north by more strongly metamorphosed augen gneiss and metaquartzite (G.S.C. Unit C) and to the southeast by a irregular-shaped body of serpentized dunite (G.S.C. Unit D). The metamorphic rocks show a wide variation in attitudes. Foliation in Unit C generally trends north and dips at all angles. Foliation directions in Units Aa and Ac tend to strike west to northwest and dip gently to the northeast, although marked local variations occur. Incompetent rocks such as schist, phyllite and limy beds show small scale recumbent folding, crumpling and thrust faulting. Quartz-veined fault zones up to two feet wide were seen striking west and dipping steeply south. Foliation was also seen in a few places cutting bedding at a slight angle.

A description of the rock units in the area follows:

Unit C - is characterized by porphyroblasts of orthoclase up to one inch long in a gneissic quartz-feldspar-muscovite matrix. Tremolite, chlorite and biotite are rare constituents. Micaceous metaquartzites, quartz-chlorite schist and marble are minor members of this unit. This unit gives a low geochemical response in lead and zinc.

Unit A - has been subdivided in to three mappable field units. Unit Ac is equivalent to the chlorite schist and Unit Ab to the massive limestone on the claims. In addition to exposures near the Ho-Ho claims, Unit Ac also outcrops along Hoole River to the northwest, where it is sometimes limy, and in an east trending belt north of the belt of Unit C rocks. Chlorite, muscovite, quartz-chlorite and biotite are the common types of schist seen. Garnets are sometimes present and the rocks vary from weakly to strongly calcareous. Narrow quartzite bands are not uncommon. The schists show a slightly higher than average lead and zinc background in geochemical samples. Unit Aa is a micaceous quartzite which was only seen in outcrop about five

miles east of the property but which may be correlative with the host rock of the Hoo mineralization. A section shows thin bedded quartzite overlain by 400 feet of orange to purple, bedded limestone and 700 feet of green phyllite. The quartzite is pyritic, limy and micaceous and grades into quartz-mica schist bands up to three feet wide. The quartzite is up to 1000 feet thick and has a high background response in lead.

Unit D - is a brown weathering serpentinitized dunite intrusion with an area of about twenty square miles. The contacts consist of a wide, altered transition zone. The copper anomaly on the EL claims of Northlake Mines Ltd. occurred in these rocks. The age of the intrusion is unknown but most ultrabasics in the central Yukon have been assigned late Paleozoic ages, usually Permian. They presumably represent a late stage in the main deformation of this area.

Unit 11 - consists of dark brown to black basalt flows of Tertiary age, which only covered the western half of the project area. Later erosion has left only isolated remnant patches, mostly west of Hoole River. The tuffaceous and porphyritic rocks on the northwest edge of the Ho-Ho claims, which have a low metal background, are thought to be part of the same unit. Gently folded and poorly consolidated Paleocene clastics, including minor coal horizons, have been found in the Tintina Trench near Ross River.

GEOCHEMISTRY (Figures 27, 29-31)

Stream sediment assays in Sanders Creek are remarkably low in zinc and lead, considering the abundance of mineralized float in the stream gravel. Zinc values range from 140 to 184 ppm, as compared to a regional background of about 100 ppm, while lead values range from 30 to 42 ppm, compared to about 25 ppm regionally. Stream sediment samples from the headwaters of a

weak drainage at the northwest end of the property returned better contrast, with 330 ppm to 600 ppm zinc and 39 ppm to 40 ppm lead. However, these are not as anomalous as might be expected, considering that the water is seeping from an area of very strong soil geochemical response. The zinc is observed to leach fairly rapidly from the outer edge of the larger sized mineralized float in Sanders Creek and the lack of response in silt samples is difficult to explain. One possibility is that the ground water is deficient in iron and manganese, which normally act as zinc collectors in stream sediments. A large sample of stream gravels was collected from Sanders Creek about 2000 feet below the glacial terrace (Pit 11 on Figure 28) . This was screened into eight size fractions, each of which was analyzed geochemically and examined under the microscope. The geochemical values are tabulated on the following page and show a remarkable consistency which is almost independent of size. The zinc response is due to unoxidized sphalerite that can be seen in all fractions, including the minus 80 mesh material. The pH of the sample was 7.5, which probably explains why the fine sphalerite is not being readily oxidized.

Soil sampling has indicated five main areas of more or less coincident anomalous zinc and lead values. These have been designated Anomalies A to E respectively on Figures 29 to 31. Copper shows some coincidence with zinc and lead northwest of Sanders Creek but virtually no coincidence to the southeast. Copper was not expected to be a good mineral indicator since seven sphalerite-rich specimens assayed only 16 to 100 ppm Cu, with a mean of 37 ppm. A soil sample profile along the top of the glacial terrace returned remarkably low values, considering that the terrace appears to contain an average thickness of over six inches of mineralized float. In a few places, the terrace material is weakly cemented by carbonate (caliche), indicating that ground water

DETAILED GEOCHEMICAL ANALYSES OF STREAM AND PIT SAMPLES

The following numbers represent the size fraction shown in brackets --- 1(+ 3/8"), 2(-3/8" + 6 mesh), 3(-6+10 mesh), 4(-10+20 mesh), 5(-20+28 mesh), 6(-28+35 mesh), 7(-35+80 mesh), 8(-80 mesh). Detailed analyses of one stream and three pit samples are as follows. Note that BD means below detection limit.

Stream Gravel from Sanders Creek

<u>Mesh Size</u>	<u>Weight in Grams(% total)</u>	<u>Geochemical Analysis in ppm</u>				
		<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>Ag</u>	<u>Cd</u>
1	4024(36.0)	----- Not Analyzed -----				
2	3279(29.3)	24	28	120	BD	1.0
3	1815(16.2)	22	54	135	BD	0.6
4	1262(11.3)	25	35	155	BD	0.3
5	331(2.9)	22	31	152	BD	1.0
6	181(1.6)	22	31	144	BD	0.3
7	201(1.8)	20	30	140	BD	0.6
8	81(0.7)	47	42	184	BD	1.3

Sample Pit Soil Anomaly B

<u>Mesh Size</u>	<u>Weight in Grams(%total)</u>	<u>Geochemical Analysis in ppm</u>				
		<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>Ag</u>	<u>Cd</u>
1	498(13.5)	----- See Text -----				
2	814(22.1)	43	433	3200	BD	9.6
3	530(14.4)	52	640	3940	BD	12.0
4	429(11.6)	54	835	4800	1.0	14.3
5	179(4.9)	65	1026	5420	1.5	18.0
6	162(4.4)	67	1180	6000	1.0	14.3
7	232(6.3)	71	1387	5420	BD	25.6
8	831(22.6)	62	1500	4400	1.5	25.3

Sample Pit Soil Anomaly D

<u>Mesh Size</u>	<u>Weight in Grams(%total)</u>	<u>Geochemical Analysis in ppm</u>				
		<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>Ag</u>	<u>Cd</u>
1	1275(49.4)	-----see text-----				
2	281(10.9)	14	54	240	BD	0.3
3	131(5.1)	28	60	440	BD	0.6
4	96(3.7)	28	63	640	BD	1.3
5	45(1.7)	28	79	880	BD	2.0
6	51(1.9)	28	81	880	BD	1.6
7	135(5.2)	30	82	960	BD	1.3
8	568(21.9)	32	86	1620	BD	3.3

Sample Pit Soil Anomaly E

<u>Mesh Size</u>	<u>Weight in Grams(%total)</u>	<u>Geochemical Analysis in ppm</u>				
		<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>Ag</u>	<u>Cd</u>
1	2730(36.2)	-----see text-----				
2	1428(18.9)	33	46	131	BD	0.3
3	912(12.1)	34	44	120	BD	0.3
4	554(7.3)	34	50	123	BD	0.3
5	270(3.6)	42	50	140	BD	BD
6	147(1.9)	40	52	131	BD	0.3
7	373(4.9)	34	48	123	BD	0.3
8	1131(15.0)	38	40	152	BD	BD

is probably basic and may be inhibiting zinc mobilization. Zinc is well leached for up to an inch from the outer edge of mineralized boulders in the terrace, but this might have occurred prior to glacial deposition. It appears that groundwater in the Hoo area is probably basic although the surface organic soil layer is probably neutral to slightly acidic.

Interpretation of the soil anomalies is difficult as there are no case histories available for this type of deposit in a similar environment in Yukon or British Columbia. Geochemical sampling over the Faro deposit in the Anvil area returned a narrower and weaker zinc response but a higher and much wider lead response. However, Faro is an iron-rich, massive sulfide deposit in an acidic environment and is not well exposed to surface below the overlying 30 to 100 feet of glacial and residual till. With the exception of Anomaly C, the level of anomalous lead response at the Hoo property is similar to that produced elsewhere in Yukon by a vein containing an average thickness of six inches of galena. Using this comparison as a basis of interpretation (which may not be valid), together with the fact that the zinc to lead ratio in float assays is 12 to 1 or greater, suggests that the source might contain at least 62 inches of zinc metal. Assuming the source grades 6.5 per cent zinc, the exposure width below the overburden would be in the order of 80 feet.

A short discussion of each anomaly follows-

Anomaly A - This anomaly more or less follows the upper edge of the glacial terrace. Air photo interpretation suggests that a glacial stream may have flowed from southeast to northwest along this terrace for a short period of time. A total of nine hand pits (2 to 10 on Fig.28) were dug into the anomaly to depths of up to four feet. These all cut glacial and/or glaciofluvial material and

none reached bedrock. Two pits encountered abundant, well mineralized, irregularly shaped float fragments up to 36 inches by 15 inches in size. A random sample of float fragments from Pit No. 2, which were strongly leached for up to one inch from their outer surface, assayed 13.1 per cent zinc and 0.2 per cent lead. Abundant mineralized float was also found on surface over an area of about 100 feet by 100 feet in the vicinity of the pit. The material found on surface is virtually unoxidized, has no obvious gossan, and occurs in large, competent, hard to break slabs.

There are two logical sources for the geochemical anomaly and float.

- (1) The float source is located near or immediately southeast of the float and the geochemical anomaly has been dispersed northwest by glaciofluvial action.
- (2) The float source is located uphill (possibly as far uphill as Anomaly B) and float carried downhill by solifluction has been concentrated along the top edge of the glacial terrace.

Anomaly B - This anomaly is above the level of recent glaciation in an area of fairly rapid solifluction caused by active permafrost in residual till. Its shape suggests a source which trends obliquely down the hill in a westerly direction. Small fragments of thoroughly leached, mineralized float were found in a frost boil within the

anomalous zone on the hillside immediately southeast of Sanders Creek. The strongest portion of the anomaly is the eastern end, where the geochemical pattern suggests that the zone may fold back over itself, thereby greatly increasing the thickness. This anomaly is only 300 vertical feet below the top of the hill and is probably the best target for initial exploration by bulldozer trenching. One hand pit (12 on Figure 28) was dug to a depth of three feet near the highest lead soil assay (greater than 4000 ppm) but did not reach bedrock. A large overburden sample from the bottom of the pit was studied with the same screen analysis technique that was used on the sample from Sanders Creek. Examination under the microscope revealed that the coarse material consists mainly of weakly oxidized, laminated limy chlorite schist containing dolomite (or ankerite?) lenses and traces of sphalerite. Several fragments of unmineralized, porous, clean sandstone with graphitic and minor chloritic banding were also seen. One piece was intensely drag folded. Except for the chlorite content, this rock is similar in composition to the host rock of the mineralized float found in Sanders Creek, but is much more friable. The geochemical analyses are tabulated on page 12. Three coarse fragments of limy chlorite schist assayed 58 ppm lead and between 1360 ppm and 3400 ppm zinc. Lead and zinc assays of the screened material increase with decreasing size. Microscopic examination shows that the sandstone content also increases with decreasing size and that the zinc is occurring as unoxidized sphalerite fragments. The pH of the sample was almost neutral, at 6.7, which probably explains the lack of oxidation.

Anomaly D - Screen analysis and microscopic study of a pit sample (pit 1 on Figure 28) show that metal content increases rapidly and that limestone content decreases gradually with decreasing particle size (see table on page 13). The limestone is definitely of residual origin. Zinc occurs as rounded fragments of weakly oxidized sphalerite, often in sandstone. Some of the fine material is foreign to the immediate area (i.e. garnet, chromite) and is well rounded and of fluvial or glaciofluvial origin. The pH of the soil is 7.3, which is more basic than Anomaly B soil, yet the sphalerite exhibits more oxidation than in Anomaly B. There are two possible interpretations, of which the first is most probable:

(1) The soil could be a mixture of residual till, consisting of unmineralized limestone mixed with finer, sphalerite-bearing fluvial material that has been transported from a source further east, possibly as far as Anomaly B. If so, oxidation of the sphalerite would have occurred during transportation.

(2) The source could be an uphill zone more friable than that which produced the float found in Sanders Creek. If so, oxidation of sphalerite occurs while the host rock is rapidly crumbling during solifluction.

Anomaly E - This is the most extensive area of geochemical response and is either derived from two mineralized sources, one uphill and the other downhill, or from a single uphill zone which produces a more extensive dispersion than the other anomalies. All of the anomalous response probably occurs below the level of recent glaciation.

One pit (13 on Figure 28) was dug to a depth of three feet near the upper end of the anomaly without reaching bedrock. Geochemical analyses of screened material only returned threshold values in zinc (see table on page 13). There are two possible explanations:

(1) the sample pit may have been dug too far uphill and missed the source. This is possible because deep snow obscured soil sample location markers and the pit had to be located by pace and compass from a baseline.

(2) an unmineralized sub-outcrop immediately uphill may have blanketed parts of the anomaly with various depths of residual till and this pit did not go deep enough to penetrate the blanket.

The pit sample, which had a pH of 6.2, is composed of strongly leached phyllitic, and occasionally chloritic, limy sandstone. All of the limy material has been leached, leaving an extensive limonite boxwork which appears to be after ankerite. Rock fragments are angular and definitely of residual origin. The finer size fractions contain some rounded quartz grains and erratic minerals (garnet, etc) that are probably of glacial or glaciofluvial origin. Geochemical assays of three rock samples averaged 85 ppm copper, 36 ppm lead and 119 ppm zinc. Additional pitting will be required in order to better understand this anomaly. The more acidic soil might explain the greater metal dispersion and stronger than average copper response, although assays of coarse material suggests a higher than average copper background in bedrock. One further complication is the abrupt termination of the anomaly to the northwest against recent volcanic cover.

If the anomaly is caused by a mineralized horizon, it could continue northwest, under the volcanics, and be undetectable by geochemical sampling. Field evidence and screen analysis both indicate that the well mineralized variety of sandstone is harder and less friable than unmineralized or weakly mineralized sandstone. Also, with the possible exception of Anomaly E, there is no evidence of significant leaching and the zinc is dispersing mechanically as sphalerite rather than chemically. The strong coincidence between lead anomalies (which are nearly always dispersed mechanically) and zinc anomalies confirms this. Straight mechanical transportation of the metals presents two geochemical exploration problems.

(1) Mineralized zones below the level of glacial till will only be detectable on surface if the till is thin enough to allow bedrock fragments to reach surface through the action of solifluction.

(2) Weakly mineralized and friable zones, which weather faster than the better mineralization, will contribute an inordinate proportion of metal to the soil. As a result, an anomaly caused by a weakly mineralized zone could almost completely mask a competent, well mineralized downhill zone.

These observations suggest that the strongest portions of the geochemical anomalies will not necessarily reflect the best areas of mineralization.

CONCLUSIONS

The average grade of mineralized float samples found in Sanders Creek is 6.5 per cent zinc, 0.5 per cent lead and 0.5 oz/ton silver. At least a portion of the silver occurs as native silver in the sphalerite. Cadmium assays indicate that a zinc concentrate would contain about five pounds of

cadmium per ton. The sphalerite is not mixed with waste sulfide and a good recovery can be expected in a mining operation, although no test work has been done as yet.

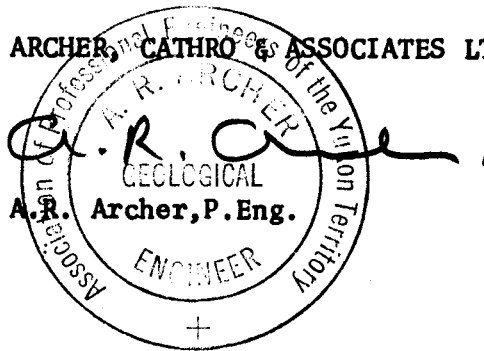
The mineralization is found in a hard, resistant, limy sandstone that is fine to coarse grained and interbedded with graphitic siltstone. Geological mapping and hand pitting indicates that the sandstone occurs above massive Cambrian(?) limestone and is overlain by chlorite schist. Float samples are gradational from limy sandstone to limy chlorite schist and this well stratified sequence is interpreted as a sequence of limy mud and sand with a relatively high zinc content that was laid down near a reef. Migration of the zinc and other metals to porous horizons and development of coarse grain size may have occurred during a late stage of diagenesis and/or during subsequent metamorphism. The sulfur may have been derived from a biogenic source or from an early volcanic source which is now represented by the chlorite schist unit. The mineralized sandstone probably occurs as a more resistant, silicified horizon in this finely bedded sequence. The occurrence of weakly mineralized and friable chloritic sandstone float in a pit in soil Anomaly B suggests that the better grade zones are surrounded by more friable horizons containing low grade mineralization.

Geochemical studies have shown that ground water is probably neutral to slightly basic and that zinc is moving mechanically as grains of sphalerite, rather than chemically. Grid soil sampling has suggested that the mineralized sandstone occurs over a strike length of at least 18,000 feet, along which there are five areas of strong response which may represent centres of mineralization. Geochemical interpretation is difficult due to (a) glacial cover

(b) evidence that some of the anomalous response is created by fluvial transportation of sphalerite and (c) the occurrence of weakly mineralized zones that could be masking response from less friable well mineralized zones. Bulldozer trenching of these anomalies should be preceded by closer spaced fill-in soil sampling and bulldozer pitting to allow closer target definition.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES LTD.



ARCHER, CATHRO
AND ASSOCIATES LTD.
CONSULTING GEOLOGICAL ENGINEERS

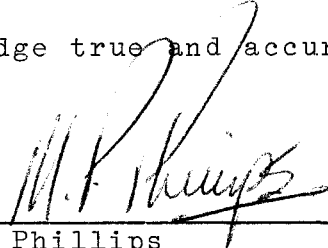
WHITEHORSE, Y.T. 667-4415

685, TWO BENTALL CENTRE, VANCOUVER, B.C. 688-2568

POST OFFICE BOX 4127
WHITEHORSE, Y.T.

Affidavit

I, M.P. Phillips of Archer, Cathro & Associates Ltd.,
P.O. Box 4127, Whitehorse, Y.T. do solemnly declare that the
following Statement of Expenditures for the Ho-Ho 1-40 mineral
claims is to the best of my knowledge true and accurate.



M.P. Phillips
ARCHER, CATHRO & ASSOCIATES LTD.

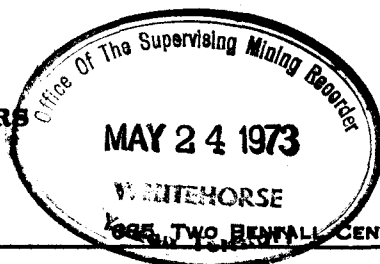
Signed before me at Whitehorse
this 20 day of May, 1973



Notary of Yukon Territory



ARCHER, CATHRO
AND ASSOCIATES LTD.
CONSULTING GEOLOGICAL ENGINEERS



WHITEHORSE, Y.T. 667-4415

885, TWO BENTALL CENTRE, VANCOUVER, B.C. 688-2568

POST OFFICE BOX 4127
 WHITEHORSE, Y.T.

Statement of Expenditures
Hoo Property
Aug.21-Nov.15/72

Management

September, 1972(\$1,500) & October, 1972(\$1,000)
 (see A/C Sept, Oct/72 billings)\$2,500.00

Labour

Supervision

Sept, 1972 A/C billing\$1,000.00

Field

Sept/72 A/C billing(\$4,561.50) &
 Oct/72 A/C billing (\$675.) 5,236.50

6,236.50

Expenses

M.P. Phillips expenses to Sept.25/72 (see Sept/72 A/C billing attached ..\$	10.15
Drafting - Sept/72 A/C billing(\$160) Oct/72 A/C billing (\$415)	575.00
Xerox copies - Sept/72 A/C billing ...	75.75
Telephone - Oct/72 billing	168.75
Purchase 5 drums avgas WLJV - Sept/72 billing	225.00
Blueprinting Sept/72 A/C billing	28.00
Rental - radio Sept/72 A/C billing....	60.00
Expediting Sept/72 A/C billing	300.00
Workmen's Compensation Aviation Premium Sept/72 A/C billing	272.79
Advance Blueprint - Sept/72 A/C billing (105.51) & Oct/72 A/C billing(\$147.22)	252.73
Riley's Printing - Oct/72 A/C billing	27.92
Hougen's Ltd. Oct/72 A/C billing	35.57
CP Air Sept/72 (\$122.89) & Oct/72 (167.05) A/C billings	289.94
Petty Cash - Sept/72 A/C billing	119.91
Yukon Airways Sept/72 billing	784.00

Expenses (con'd)

General Enterprises Sept/72 billing\$	93.27	
Northern Metallic Sept/72 billing	32.30	
Yukon Explosives Sept/72 A/C billing ...	35.64	
Nelson's Ltd, Sept/72 billing	14.18	
Cunninghams Sept/72 A/C billing	19.84	
Kelly Douglas Sept/72 A/C billing	150.33	
Whitehorse Motors Sept/72 billing	42.83	
Taylor & Drury Sept/72 A/C billing	121.55	
E.Jensen expense account Sept/72 A/C billing	24.12	
Burns Foods Ltd. Inv.#F02085	155.91	
Chemex Labs Ltd. Cheque #203-\$1,223.59		
#232- 2,078.76		
265- <u>117.30</u>		3,419.65
Deakin Equipment Inv.#3034 - 115.20		
3035 - <u>27.90</u>		
		143.10
Kelly Douglas - Cheque #206.....	389.38	
Rileys Datashare -Cheque #224	101.58	
Terr-Air, Inv.#00465	175.00	
Trans North Turbo Air Ltd.		
Inv.#A11572 -\$3,766.80		
#A999-2 - 472.44		
#A1104-2- 327.60		
#971-2 - <u>156.00</u>		
		4,722.84
Tilden Rent-A-Car Inv.#14564	136.27	
Whitehorse Assay Cheque #239 - \$112.50		
#211 - <u>325.95</u>		438.45
White Pass Petroleum-Cheque #223	<u>225.32</u>	
		<u>\$13,667.07</u>
Total Expenditures ---		\$22,403.57

Note: A/C-Archer, Cathro & Assoc. Ltd.

South Yukon Joint Venture
Financial Statement
 December 30, 1972

	<u>Regional</u>	<u>Bradens Zonk</u>	<u>Hoo</u>	<u>Mack's Alp</u>	<u>Total</u>
<u>A Labour</u>					
1. student and parttime labour	\$30,443.25	300.00	11,234.04	3,517.50	\$45,494.79
2. management fees	13,575.00	--	4,000.00	425.00	18,000.00
			<u>15,234.04</u>		
<u>B Office</u>					
1. printing and duplicating	1,443.00		603.24	--	2,046.24
2. drafting and(labour & supplies).	1,970.85	--	859.00	600.00	3,429.85
3. telephone and telegram	578.25	--	240.13	--	818.38
4. general supplies(claim maps,etc)	966.01		384.74	--	1,350.75
5. air photos	1,585.25	--	30.00	--	1,615.25
6. air express, postage	722.24	--	403.44	--	1,125.68
			<u>2,520.65</u>		
<u>C Travel Expenses</u>					
1. student travel, room & board ...	1,448.00	--	1,261.00	1,090.00	3,799.00
2. consultants travel, room & board	332.00	--	83.00	--	415.00
<u>D Field Expenses</u>					
1. survey equipment purchases & rental	763.55	--	187.50	--	951.05
2. camp equipment	7,397.52	--	727.44	141.12	8,266.08
3. consumable camp supplies	8,685.55	--	2,913.89	608.75	12,208.19
4. freight & expediting (mainly truck rental)	7,785.27	210.74	2,010.05	--	10,006.06
			<u>5,838.88</u>		
<u>E Assaying</u>					
1. geochemical assays & supplies ..	12,874.14	--	3,857.03	3,649.90	20,381.07
2. rock assays	359.35	--	586.70	--	946.05
			<u>4,443.73</u>		

	<u>Regional</u>	<u>Bradens Zonk</u>	<u>Hoo</u>	<u>Mack's Alp</u>	<u>Total</u>
<u>F Claim Staking</u>					
1. recording, transfer fees & assessment fees	50.00	174.33	2,584.00	735.00	3,543.33
2. equipment posts, etc.....	--	28.30	--	--	28.30
3. contract staking	--	--	9,004.69	--	9,004.69
<u>G Helicopter</u>					
1. rental & fuel	37,888.65	--	8,142.34	5,390.91	51,421.90
<u>H Fixed Wing</u>					
1. fuel mobilization	--	--	--	--	--
2. camp mobilization & service trips	1,716.00	--	1,773.90	--	3,489.90
<u>I Miscellaneous</u>					
1. bank charges	15.05	--	--	--	15.05
2. equipment storage	--	--	--	--	--
3. accounting & legal.....	--	--	--	--	--
4. management meetings	30.00	--	--	--	30.00
5. property option payments	--	--	--	1,312.45	1,312.45
<u>J Income</u>					
1. rental of helicopter	(6,763.24)	--	--	--	(6,763.24)
2. other	--	--	--	--	--
	<u>\$123,865.69</u>	<u>713.37</u>	<u>50,886.13</u>	<u>17,470.63</u>	<u>192,935.82</u>

Total payments as of December 30/72	\$188,000.00
Minus total expenditures	192,935.82
Bank balance as of December 30/72	(\$4,935.82)
Outstanding payments	8,000.00
Balance	\$ 3,064.18

<u>Payment Breakdown</u>	<u>Payments</u>	<u>Contract Staking</u>	<u>Outstanding</u>
Standard Oil Co. of B.C.	\$45,000.00	\$4,000.00	nil
Union Oil Co. of Canada Ltd.	\$45,000.00	\$4,000.00	\$4,000.00
Straus Exploration, Inc.	\$45,000.00	\$4,000.00	nil
Landon Clay & Harris Clay	\$45,000.00	\$4,000.00	\$4,000.00

ARCHER, CATHRO

AND ASSOCIATES LTD.

CONSULTING GEOLOGICAL ENGINEERS

WHITEHORSE, Y.T. 667-4418

6TH FLOOR, TWO BENTALL CENTRE, VANCOUVER, B.C. 688-2568

Note: Applicable assessment charges
to Ho. No. claims circled

POST OFFICE BOX 4127
WHITEHORSE, Y.T.

In Account With
South Yukon Joint Venture
September, 1972

Management

September, 1972 \$1,500.00 (Hoo)

Labour

Supervision

M.P. Phillips, Sept. 7-13, total 8 days @ \$125 1,000.00 (Hoo)

Field

Salaries

D. Bruce, Sept. 1-5 @ \$700/mo \$ 117.00
K. Carswell, Sept. 1-17 @ \$750/mo 425.00
J. Dickinson, Sept 1 @ \$625/mo 21.00
D. Eaton, Sept 1-8 @ \$700/mo 187.00
B. Fairbank, Sept 1 @ \$650/mo 22.00
E. Jensen, Sept 6-13 @ \$700/mo 187.00
T. McLeod, Sept 1-17 @ \$750/mo 425.00
R. Nicholson, Sept 1-15 @ \$800/mo 400.00
J. Rance, Sept. 1-13 @ \$650/mo 282.00
J. Slater, Sept. 1-30 @ \$900/mo plus salary
raise retroactive to Aug. 15 975.00

plus 50% overhead \$3,041.00 (Hoo)
1,520.50 (Hoo)

Bonuses

T. McLeod 200.00
J. Nitsch 300.00
J. Rance 50.00
K. Carswell 100.00
B. Fairbank 150.00
E. Jensen 50.00

(split 50% Hoo) 850.00
plus 25 % overhead 212.50
(split 50% Hoo)

Expenses

M.P. Phillips expenses to Sept.25	\$ 10.15(Hoo) ✓
Room and board supplied in Whitehorse by Archer, Cathro(D.Bruce Sept.5;K.Carswell Sept 12-17; J.Dickinson Sept.1; D.Eaton Sept.5-8; B.Fairbank Sept. 1; E.Jensen Sept. 6,12-13; T.McLeod Sept 12-17; J.Rance Sept. 12-13; J.Slater Sept. 12-18; B.Robertson Sept.12; K.Jones Sept 12) total 33 days @ \$15	495.00(Hoo)
Purchase 5 drums avgas from Wolf Lake JV	225.00(Hoo) ✓
Xerox copies, 505 @ 15¢	75.75(Hoo) ✓
Drafting, 60 1/2 hrs @ \$8.00	484.00(\$160. Hoo) ✓
Blueprinting, Archer Cathro machine	28.00(Hoo) ✓
Rental Archer, Cathro radio Sept. 1-15 @ \$120.	60.00(Hoo) ✓
Expediting, 1/2 month @ \$600	300.00(Hoo) ✓
Workmens Compensation aviation premium	1082.79(272.79 Hoo) ✓
Customcolor	28.39 ✓
Macs News	20.05 (Hoo)
General Enterprises	93.27 (Hoo) ✓
Northern Metallic	32.30 (Hoo) ✓
Yukon Explosives	35.64 (Hoo) ✓
AC petty cash Sept. 12	100.91 (Hoo)- ✓
S.Thompson expense acct, Sept 20	80.69
AC petty cash Sept. 27	81.25-
Whitehorse Star	24.50 ✓
Yukon Drugs	11.09 (Hoo)
Telephone - 4.35 + 183.25 + 19.93	207.53 (19.93 Hoo)-
AC Petty Cash, Sept. 28	30.54 (Hoo)-
R.J. Cathro expenses Oct. 2	2.00-
Yukon Airways	784.00 (Hoo) ✓
AC petty cash, October 3	19.00 (Hoo)- ✓
C.P. Air express	122.89 (Hoo)- ✓
Student travel, airfare Whse to Van (Slater, Bruce , Smith, McLeod)	332.00-
R.J. Cathro travel Van to Whse	83.00 (Hoo)-
Advance Blue Print	105.51 (Hoo) ✓
Nelsons Ltd.	14.18 (Hoo) ✓
Cunninghams	19.84 (Hoo) ✓
Kelly Douglas	150.33 (Hoo) ✓
Whitehorse Motors	42.83 (Hoo) ✓
Taylor & Drury	121.55 (Hoo) ✓
Customcolor	25.56 (Hoo) ✓
E.Jensen, expense acct. Sept.	24.12 (Hoo) ✓
AC petty cash, Oct. 10	1.26
A.R. Archer expenses Oct. 10(mainly telephone)	51.45 (Hoo)

\$5,406.37
 Total ----- \$13,530.37

Account to
S. J. ...
AC ...

Credit

Casual rental helicopter to DRJV and
WLJV plus \$48.15 fuel and 2.98 pilots
expenses, total rental 29.9 hrs @ \$129/hr \$3,908.23

Total owing ----- \$9,622.14

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES LTD.

A. R. Archer
A.R. Archer

ARA:st

Payment, rec'd Oct 3/72

*total circled Ho-Ho claim
expenses on this invoice*

9859.56-4000

ARCHER, CATHRO

AND ASSOCIATES LTD.

CONSULTING GEOLOGICAL ENGINEERS

Box 4127, WHITEHORSE, Y.T. 667-4418

BENTALL CENTRE, VANCOUVER, B.C. 688-2568

Note: Applicable assessment charges
to Ho-Ho claims circled

675
TWO BENTALL CENTRE
888 BARRARD ST.
VANCOUVER 1, B.C.

In Account With
South Yukon Joint Venture
October 31, 1972

Management

October, 1972\$ 1,500.00 (\$1000.Hoo)

Labour

Supervision

M.P. Phillips - Oct 5,6,13,30-31 - two and 1/2 days
supervising additional staking - total 4 1/2 days
@ \$125/day 562.50 (Hoo)

Field

J. Slater - Oct. 1-31 @ \$900/mo\$ 900.00
plus 50% overhead 450.00

(charge \$675.00 Hoo)

1,350.00

Expenses

Receiver General, recording fees Ho-Ho claims	\$ 480.00 (Hoo)
Receiver General, filing transfers Ho-Ho 33-96 claims	76.00 (Hoo)
Xerox copies (Mainly field data sheets for Union) - 1376 @ 15¢	206.40 (15.00 Hoo)
Postage	22.25 (Hoo)
Drafting, 103 3/4 hrs @ \$8	830.00 (415.00 Hoo) ✓
Purchases AC petty cash Oct. 19	22.23
Repair rented radio	24.00
Yukon Health Food69
Telephone	168.75 (Hoo) ✓
Rileys - printing	27.92 (Hoo) ✓
Hougens Ltd.	35.57 (Hoo) ✓
Purchases AC petty cash- Oct.24	17.85
Purchases AC petty cash- Oct.27	4.46
CP Air freight	167.05 (Hoo) ✓
Macs Newstand	38.50 (Hoo)
Customcolor, film enlargements & camera repair(dropped in creek).....	206.11 (Hoo)
Advance Blueprint.....	147.22 (Hoo) ✓

Expenses (con'd)

Purchases AC petty cash, Nov 43	\$ 24.22 (Hoo)
Van. Camerland, film	11.18 (Hoo)
J. Slater expenses, staking	45.30 (Hoo)
Receiver General, maps	9.00 (Hoo)

\$2,564.70

Total ----- \$5,977.20

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES LTD.

A. R. Archer

A.R. Archer

ARA:st

payment rec'd Nov. 3/72

*total circled Ho Ho claim
expense on this invoice*

263651-Hoo



INVOICE

CHEMEX LABS LTD. 212 BROOKSBANK AVE., NORTH VANCOUVER, B.C. TELEPHONE 985-0648

Archer Cathro & Assoc. Ltd.,

Box 4127,

Whitehorse, Yukon

SYJV ho ho

DATE Aug. 31, 1972

INVOICE NO. 8060

CERTIFICATE NO. 19109-19113

ATTN: Mr. Archer, Mr. Cathro

ITEM	DESCRIPTION	SUB-TOTAL	TOTAL
	178 samples analyzed for Cu, Pb, Zn @\$1.70	\$ 302.60	
	178 samples prepared @\$0.20	35.60	
		\$ 338.20	
		- 50.73	
			\$ 287.47

*Paid Sept 21st
SYJV #203
\$ 2313.66*

TERMS - NET 30 DAYS



INVOICE

CHEMEX LABS LTD. 212 BROOKSBANK AVE., NORTH VANCOUVER, B.C. TELEPHONE 985-0648

Archer Cathro & Assoc. Ltd.,

Box 4127,

Whitehorse, Yukon

DATE August 28, 1972

INVOICE NO. 8003

CERTIFICATE NO. 19042

ATTN: Mr. A. Archer, Mr. Cathro

"SYJV "HOO"

ITEM	DESCRIPTION	SUB-TOTAL	TOTAL
	1 sample analyzed for Cu, Pb, Zn @\$1.70	\$1.70	
	1 sample prepared @\$0.20	.20	
		\$1.90	
	less 15%	.29	
			\$ 1.61

TERMS — NET 80 DAYS



INVOICE

CHEMEX LABS LTD. 212 BROOKSBANK AVE., NORTH VANCOUVER, B.C. TELEPHONE 985-0648

Archer Cathro & Assoc. Ltd.,

Box 4127,

Whitehorse, Yukon

SYJV "H00"

DATE August 29, 1972

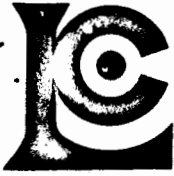
INVOICE NO. 8027

CERTIFICATE NO. 21678

ATTN: Mr. Archer, Mr. Cathro

ITEM	DESCRIPTION	SUB-TOTAL	TOTAL
	3 samples assayed for Pb, Zn, Ag @\$9.50		\$ 28.50

TERMS - NET 80 DAYS



INVOICE

CHEMEX LABS LTD. 212 BROOKSBANK AVE., NORTH VANCOUVER, B.C. TELEPHONE 985-0648

Archer Cathro & Assoc. Ltd.,

Box 4127,

Whitehorse, Y.T.

SYJV HOOLE

DATE August 31/72

INVOICE NO. 8061

CERTIFICATE NO. 19178-19187

ATTN: Mr. A. Archer & Mr. B. Cathro

ITEM	DESCRIPTION	SUB-TOTAL	TOTAL
362	Analyzed for Copper, Lead & Zinc @ \$1.70	\$615.40	
362	Prepared @ \$0.20	72.40	
		\$687.80	
	Less 15%	103.17	
			\$584.63

TERMS — NET 80 DAYS



INVOICE

CHEMEX LABS LTD. 213 BROOKSBANK AVE., NORTH VANCOUVER, B.C. TELEPHONE 985-0648

Archer Cathro & Assoc. Ltd.,

Box 4127,

Whitehorse, Y.T.

DATE August 29/72

INVOICE NO. 8018

CERTIFICATE NO. 19027

ATTN: Mr. A. Archer & Mr. B. Cathro

ITEM	DESCRIPTION	SUB-TOTAL	TOTAL
24	Analyzed for Copper, Lead & Zinc @ \$1.70 Prepared @ \$0.20 <i>Syn</i> <i>Hoo.</i>	\$40.80	\$38.76
24		4.80	
		\$45.60	
		6.84	
	Less 15%		

TERMS — NET 80 DAYS



INVOICE

CHEMEX LABS LTD. 212 BROOKSBANK AVE., NORTH VANCOUVER, B.C. TELEPHONE 985-0648

Archer Cathro & Assoc. Ltd.,

DATE Sept. 14, 1972

Box 4127,

INVOICE NO. 8192

Whitehorse, Yukon

CERTIFICATE NO. 19351-19354

"SYJV H00"

ATTN: Mr. Archer, Mr. Cathro

ITEM	DESCRIPTION	SUB-TOTAL	TOTAL
	146 samples analyzed for Cu, Pb, Zn @\$1.70	\$ 248.20	
	142 samples prepared @\$0.20	28.40	
	4 rock geochem samples prepared @\$0.75	3.00	
		\$ 279.60	
	less 15%	- 41.94	
			\$ 237.66

TERMS -- NET 30 DAYS



INVOICE

CHEMEX LABS LTD. 212 BROOKSBANK AVE., NORTH VANCOUVER, B.C. TELEPHONE 985-0648

Archer Cathro & Assoc. Ltd.,
Ste. 1475 Two Bentall Centre,
Vancouver, B.C.

DATE Sept. 20, 1972

INVOICE NO. 8228

CERTIFICATE NO. 19390-19415

"SYJV HOO"

ATTN: Mr. Archer, Mr. Cathro

ITEM	DESCRIPTION	SUB-TOTAL	TOTAL
	990 samples analyzed for Copper, Lead, Zinc @\$ 1.70	\$ 1683.00	
	990 samples prepared @\$0.20	198.00	
		\$ 1881.00	
	less 15%	- 282.15	
			\$ 1598.85

TERMS - NET 90 DAYS



INVOICE

CHEMEX LABS LTD. 212 BROOKSBANK AVE., NORTH VANCOUVER, B.C. TELEPHONE 985-0648

Archer Cathro & Assoc. Ltd.,
Ste. 685 Two Bentall Centre,
Vancouver, B. C.

DATE Jan. 5/73

INVOICE NO. 8818

CERTIFICATE NO. 24287 A & B

ATTN: _____

ITEM	DESCRIPTION	SUB-TOTAL	TOTAL
46	Analyzed for Mercury @ \$3.00 Less 15%	\$138.00 20.70	\$117.30

Handwritten in a circle: HAO

Handwritten notes:
paid Jan 18/73
05/73 #265
\$117.30

TERMS — NET 80 DAYS

DEAKIN EQUIPMENT LTD.

#833 POWELL STREET, VANCOUVER 4, B.C.

TELEPHONE: 253-2685

1929

INVOICE NUMBER
No 3034

INVOICE

SOLD TO Archer, Cathro & Associates Ltd
P.O. Box 4127,
Whitehorse, Y.T.

SHIPPED TO Archer Cathro & Associates
P.O. Box 4127,
Whitehorse, Y.T.

SHIPPING AND INVOICE DATE <i>Sept 1/72</i>		SHIPPED VIA <i>c P air freight</i>		PPD. COLL. <input type="checkbox"/>	PPD. CHG. <input checked="" type="checkbox"/>	TERMS: 1% 10 DAYS NET 30	YOUR ORDER NO. <i>S.Y.J.V.</i>	DATE ORDERED <i>Aug 31/72</i>
QTY. S.O.	QTY. ORDERED	DESCRIPTION			QTY. SHIPPED	UNIT PRICE	AMOUNT	
	<i>144</i>	<i>rolls orange glow flagging tape</i>			<i>144</i>	<i>.80 ea</i>	<i>11520</i>	
<i>Prepaid freight charged on 3034</i>								
<div style="border: 2px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> <i>Paid Sept 10/72 STU #220 #143.10</i> </div>								
FEDERAL TAX CL. <input checked="" type="checkbox"/> EXCL. <input type="checkbox"/>		FEDERAL TAX NO.		PROVINCIAL TAX LIC. NO.		TOTAL		<i>11520</i>
						PROV. TAX		<i>—</i>
						AMOUNT DUE		<i>11520</i>

DEAKIN EQUIPMENT LTD.

833 POWELL STREET, VANCOUVER 4, B.C.

TELEPHONE: 253-2685

1923

INVOICE NUMBER

Nº 3035

INVOICE

S
L
O
O
D
T
O

Archer, Cathro & Associates Ltd
P.O. Box 4127,
Whitehorse, Y.T.

S
H
I
P
T
O

S A M E

SHIPPING AND INVOICE DATE		SHIPPED VIA	PPD. COLL.	PPD. CHG.	TERMS:	YOUR ORDER NO.	DATE ORDERED	
Aug 31/72		CP Air freight	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1% 10 DAYS NET 30	54JV	Aug 31/72	
QTY. B.O.	QTY. ORDERED	DESCRIPTION	QTY. SHIPPED	UNIT PRICE	AMOUNT			
		To charge you prepaid freight				27	90	
		Re: Our Invoice 3034 Airbill no:						
FEDERAL TAX		FEDERAL TAX NO.	PROVINCIAL TAX LIC. NO.		TOTAL	27 90		
<input checked="" type="checkbox"/> INCL.	<input type="checkbox"/> EXCL.				PROV. TAX	-		
					AMOUNT DUE	27 90		

CUSTOMER COPY

MO.	DAY	PARTICULARS	VOUCHER NO.	AMOUNT
		FWD BAL		4,289.13
0805		SLIP	14784	64.23-DRIV
0805		SLIP	14783	48.55SNTV
0805		SLIP	22191	113.39SNTV
0805		SLIP	22124	46.07SNTV
0805		SLIP	22117	3.26AIC
0805		SLIP	22113	8.03DRIV
0805		SLIP	22238	3.76AIC
0805		SLIP	22116	134.12SNTV
0805		SLIP	05215	10.52AIC
0809		CASH	00159	596.45 CR
0809		CASH	00159	732.91 CR
0809		CASH	00159	401.68 CR
0809		CASH	00159	416.07 CR
0812		SLIP	22056	21.06SNTV
0812		SLIP	24607	21.33WLTJ
0812		SLIP	22246	3.18J. Slater
0812		SLIP	24662	12.00SNTV
0812		SLIP	22052	18.08WLTJ
0819		SLIP	05673	92.96WLTJ
0819		SLIP	22416	4.54AIC
0819		SLIP	24622	7.81AIC

PAYMENT DUE

MO.	DAY	PARTICULARS	VOUCHER NO.	AMOUNT
0819		SLIP	24683	88.93SNTV
0819		SLIP	14612	16.85WLTJ
0819		SLIP	14609	23.85AIC
0819		SLIP	25133	5.89AIC
0819		SLIP	14705	50.32WLTJ
0819		SLIP	22407	45.55 91.10(WLTJ)
0826		SLIP	22421	2.97DRIV
0826		SLIP	22093	25.26SNTV
0826		SLIP	22087	5.79AIC
0826		SLIP	14630	3.83AIC
0826		SLIP	22084	31.39WLTJ
0826		SLIP	24626	16.74WLTJ
0826		SLIP	24624	Ori 42.56Contract
0826		SLIP	24625	21.79WLTJ
0826		SLIP	14618	111.20WLTJ
0826		SLIP	24623	3.76AIC
		BALANCE		3,297.14
		3 89.38 - SNTV - P 206		
		109.78 - DRIV P 17 836		
		803 - DRIV WLTJ		
		4282 - 406.21 - WLTJ		
				123.28
				Ori Contract - 42.56
				J. Slater - 3.18
				Achouse - 95.98

**PAY AMOUNT TO
KELLY, DOUGLAS AND COMPANY, LIMITED
TOURIST SERVICES WHITEHORSE Y. T.
PAYMENT DUE SEPTEMBER 14 72**

RD ST.,
COUVER 1, B.C.

TELEX 04-507798

Riley's

DATASHARE
INTERNATIONAL LTD.



Pick and
Switchboard
683-2181
AREA CODE 604

RECEIVED BY <i>M7</i>	TIME RECEIVED <i>3:05</i>	PROMISED	REQUESTED	DUE OUT <i>TUE</i>	WILL CALL <input type="checkbox"/>	WAIT <input type="checkbox"/>	WAIT DEL. <input type="checkbox"/>	CUSTOMER P.O. NO. <i>S 414</i>	REQ/JOB NO.
--------------------------	------------------------------	----------	-----------	-----------------------	---------------------------------------	----------------------------------	---------------------------------------	-----------------------------------	-------------

OFFICES: CALGARY • EDMONTON • OTTAWA • REGINA • VANCOUVER • WINNIPEG

CHARGE ARCHER CATHRO
C.O.D. BOX 1708
CASH WHITEHORSE YUKON
CUSTOMER NUMBER

DATE **17 AUG 72**
MO. DAY YR.

SHIPPING INSTRUCTION

MAIL AIR MAIL BUS COLLECT
 RAIL EXPRESS AIR EXPRESS PREPAID

ORIGINALS TO: **102300 1107**

ORIGINALS TO:	PRINTS TO:	Nd. of ORIG.	Nd. PRINTS of EACH	DESCRIPTION	SIZE	SC. FT.	TOTAL SQ. FT.	UNIT PRICE	AMOUNT	CODE
				WHITE PRINT PAPER	BLUE BLACK			17.0		10
				WHITE PRINT PAPER	BROWN CARD PLAIN			13.7		10
				LINEN	OPAQUE TRANSLUC. BLUE BLACK					10
				SEPIA	REV FACE UP					10
				PERMA SCALE	SEPIA BLACK FACE UP REV					10
<input type="checkbox"/> READ ATTACHED	<input type="checkbox"/> REDUCE TO	<input type="checkbox"/> ENLARGE TO	<i>(2) 2</i>	PROJ PAPER	KODAK SAFETY K159A COLOURED		14.4	2.25	32.40	20
				CONTACT PAPER	KCS VELOX CON TRANS FINE LINE					20
				AUTO POSITIVE	PAPER REV FACE UP					20
			<i>1 1</i>	FILM NEG	105MM	1	3.50		3.50	20
			<i>2 1</i>	FILM NEG	COMMERCIAL FILM	6	4.75		28.50	20
			<i>(1) 1</i>	FILM POS	CONTACT	5.1	2.75		14.03	20
				AUTO POS FILM	PROJ CONTACT REV FACE UP					20
				WASH OFF FILM	AUTO POS CONTACT					20
<input type="checkbox"/> BIND	<input type="checkbox"/> PUNCH	<input type="checkbox"/> STAPLE	<input type="checkbox"/> TRIM	OFFSET PLATES	82000 PHOTO ITEK METAL					25
<input type="checkbox"/> COLLATE	<input type="checkbox"/> PAD IN	<input type="checkbox"/> FRAME	<input type="checkbox"/> CERLOX	OFFSET COPIES	1250 2066 1250WL					25
DEPT.	DUE DATE	IN	OUT	RUN	TRIM	Q.C.	STOCK			
WHITEPRINT							XEROX #4	BOND VELLUM	MYLAR ACETATE DULL TOP	30
FILM							ART PASTE UP	TYPESET		27
ART							720 2400 814 3600	BOND PLATES		28
XEROX							1860	BOND VELLUM		31
OFFSET							LABOUR OR OVERTIME			

** Enlarge area outlined in blue to 1"=1000'*

** Enlarge photo 1.8x*

SPECIAL INSTRUCTIONS

BIND PUNCH STAPLE TRIM
 COLLATE PAD IN FRAME CERLOX

FEDERAL SALES TAX No.

PROVINCIAL SALES TAX No.
Exempt

BILLED BY: *8/24/72* DATE: *8/24/72* TIME: DELIVERED BY: DATE: OUT TIME: QUOTED PRICE:

INVOICE NUMBER
VR 56028

QUALITY CHECK
BY: DATE: TIME:

All claims must be made within 24 hours.

TERMS: NET 30 DAYS
SERVICE CHARGE AT THE RATE OF 1% PER MONTH (18% PER YEAR) WILL BE CHARGED ON ANY BALANCE FROM THE PREVIOUS MONTH LESS CURRENT PAYMENTS AND CREDITS.

CUSTOMER SIGNATURE

TOTAL **78.43**
F. S. T. **9.41**
TOTAL **87.84**
PROV TAX **87.84**
DELIVERY CHARGES
PAY THIS TOTAL **87.84**

CUSTOMER SIGNATURE *[Signature]*

PAY THIS TOTAL **137.41**

RD ST.,
COUVER 1, B.C.

TELEX 04-507798

Riley's

DATASHARE
INTERNATIONAL LTD.

Pick and Switchboard
683-2181
AREA CODE 604

RECEIVED BY <i>M7</i>	TIME RECEIVED <i>3:05</i>	PROMISED	REQUESTED	DUE OUT <i>TUE</i>	WILL CALL	WAIT	WAIT DEL.	CUSTOMER P.O. NO. <i>S 454</i>	REQ/JOB NO.
--------------------------	------------------------------	----------	-----------	-----------------------	-----------	------	-----------	-----------------------------------	-------------

OFFICES: CALGARY • EDMONTON • OTTAWA • REGINA • VANCOUVER • WINNIPEG

CHARGE ARCHER CATRO
C.O.D. BOX 1708
CASH WHITEHORSE YUKON

DATE 17 AUG 72
MO. DAY YR.

SHIPPING INSTRUCTION

MAIL AIR MAIL BUS
 RAIL EXPRESS AIR EXPRESS COLLECT
 PREPAID

PLEASE QUOTE CUSTOMER NUMBER ON ALL ORDERS

ORIGINALS TO:	No. of ORIG.	No. PRINTS of EACH	DESCRIPTION	SIZE	SQ. FT.	TOTAL SQ. FT.	UNIT PRICE	AMOUNT	CODE	
102500 1104			WHITE PRINT PAPER BLUE BLACK						10	
			WHITE PRINT PAPER BROWN CARD PLAIN PLASTIC						10	
PRINTS TO:			LINEN OPAQUE TRANSLUC. BLUE BLACK						10	
			SEPIA REV FACE UP						10	
			PERMA SCALE SEPIA BLACK FACE UP REV						10	
<input type="checkbox"/> READ ATTACHED <input type="checkbox"/> REDUCE TO <input type="checkbox"/> ENLARGE TO										
<i>Enlarge area outlined in blue to 1"=1000'</i>		<i>(2) 2</i>	PROJ PAPER KODAK SAFETY FILM			<i>14.4</i>	<i>2.25</i>	<i>32.40</i>	20	
<i>Enlarge photo 1.8</i>		<i>1 1</i>	FILM NEG COPY LINE	<i>105MM</i>		<i>1</i>	<i>3.50</i>	<i>3.50</i>	20	
<i>SPECIAL INSTRUCTIONS</i>		<i>2 1</i>	FILM NEG SCREEN	<i>COMMERCIAL FILM</i>			<i>4.75</i>	<i>28.50</i>	20	
		<i>(1) 1</i>	FILM POS PAGE UP REV MATTE	<i>Chromaply</i>			<i>5.1</i>	<i>2.75</i>	<i>14.03</i>	20
<input type="checkbox"/> BIND <input type="checkbox"/> PUNCH <input type="checkbox"/> STAPLE <input type="checkbox"/> TRIM			AUTO POS FILM PROJ CONTACT REV FACE UP						20	
<input type="checkbox"/> COLLATE <input type="checkbox"/> PAD IN <input type="checkbox"/> FRAME <input type="checkbox"/> CERLOX			WASH OFF FILM AUTO POS CONTACT						20	
			OFFSET PLATES 82000 PHOTO ITEK METAL						25	
			OFFSET COPIES 1250 2088 1250WL						25	
DEPT.	DUE DATE	IN	OUT	RUN	TRIM	Q.C.	STOCK			
WHITEPRINT							XEROX	BOND VELLUM	MYLAR ACETATE DULL TOP	
FILM							ART	PASTE UP	TYPESET	
ART							720 2400 914 3600	BOND	PLATES	
XEROX							1860	BOND	VELLUM	
OFFSET							LABOUR OR OVERTIME			
914 2400 3600							FEDERAL SALES TAX No.			
1860							PROVINCIAL SALES TAX No.			
O.W.							<i>exempt</i>			

BILLED BY *8/24/72* DATE *8/24/72* TIME DELIVERED BY DATE OUT TIME QUOTED PRICE:

INVOICE NUMBER **VR 56028** QUALITY CHECK BY DATE TIME

All claims must be made within 24 hours

TERMS: NET 30 DAYS
A CHARGE AT THE RATE OF 1% PER MONTH (PER YEAR) WILL BE CHARGED ON BALANCE FROM THE PREVIOUS MONTH UNLESS PAYMENTS AND CREDITS.

CUSTOMER SIGNATURE _____

FAY THIS TOTAL **8784**

CUSTOMER SIGNATURE *[Signature]* FAY THIS TOTAL **13741**

T
N
T



TRANS NORTH TURBO AIR LTD.



BOX 4338 PHONE 668-2177
WHITEHORSE, YUKON

TO: [Archer, Cathro & Associates
P.O. Box 4127
Whitehorse, Yukon]

DATE **September 26, 1972**

INVOICE NO. **11157-2**

P.O. NO.

RE: South Yukon Joint Venture

Four month contract being **May 25**
to **September 25, 1972, Inclusive**

Bell 47G-3B-2 Helicopter CF-QJY
Pilot: **B. Robertson**

FLYING: September 1 - 13, 1972
Daily Flight Report Nos. 9274-9285

29.2 hours at \$129.00 per hour
(Rate for first 80 hours per month
when charterer supplies fuel)

\$3,766.80

INVOICE TOTAL

\$3,766.80

N.B. Hours flown this contract

May 25 - June 24, 1972	132.3
June 25 - June 30, 1972	12.9
July 1 - July 31, 1972	109.7
August 1-August 31, 1972	88.6
Sept. 1 - Sept. 13, 1972	<u>29.2</u>
	372.7 hours

TRANS NORTH TURBO AIR LTD.

BOX 1977, WHITEHORSE, YUKON

DAILY FLIGHT REPORT

DATE SEPT. 12, 1972

CHARTERER: ARCHER & CATHRO
 ADDRESS: SYJU
 AIRCRAFT: G3B2 CF. QJY AREA: YUKON ALTA.
 B.C. NWT

CHARTER FROM:	PASS.	CARGO	HRS.	PASS. NAMES OR REMARKS
<u>HOOLE RIVER</u>			<u>2.9</u>	<u>MOVE CREWS</u>
<u>contrast</u>				
TOTALS			<u>2.9</u>	

TNTA FUEL HRS.

TERMS: ONE PER CENT INTEREST PER MONTH WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED.

Brian Robertson
 PILOT'S SIGNATURE

JR Slater
 CHARTERER'S SIGNATURE

K. Jones

Nº 9284

TRANS NORTH TURBO AIR LTD.

BOX 1977, WHITEHORSE, YUKON

DAILY FLIGHT REPORT

DATE SEPT. 13, 1972

CHARTERER: ARCHER & CATHRO

ADDRESS: SYJU

AIRCRAFT: G-3B2 CF. QJY AREA: YUKON ALTA.
 B.C. NWT

CHARTER FROM:	PASS.	CARGO	HRS.	PASS. NAMES OR REMARKS
<u>HOOLE RIVER</u>			<u>6.7</u>	<u>MOVE CREWS</u>
				<u>FERRY TO XY-2.5</u>
<u>CONTRACT</u>				
TOTALS			<u>6.7</u>	

TNTA FUEL _____ HRS.

TERMS: ONE PER CENT INTEREST PER MONTH WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED.

Brian Robertson
 PILOT'S SIGNATURE

J.R. Stata
 CHARTERER'S SIGNATURE

K. Jones

No 9285

T
N
T



TRANS NORTH TURBO AIR LTD.



BOX 4338 PHONE 668-2177
WHITEHORSE, YUKON

TO: [

]

Archer, Cathro & Associates
Box 4127
Whitehorse, Yukon

L

]

DATE

August 31, 1972

INVOICE NO.

A999-2

P.O. NO.

TO: Charge you with the charter of
Bell 47G-3B-1 Helicopter CF-RLP
Crew: R. Warsofsky and J. Anderson

FLYING: August 3, 1972
Daily Flight Report No. 1893

5.1 hours at \$155.00 per hour \$790.50
(Rate when carrier supplies fuel)

0.7 hours at \$144.00 per hour 100.80
(Rate when charterer supplies fuel)

PLUS: Excess cost of fuel at Faro
Charterer assessed with cost
of fuel over \$.60 per gallon

94 gallons at \$.57 per gallon 53.58

INVOICE TOTAL \$944.88

SYJV

412.44 - 1/2 Hoo
412.44 - 1/2 Glenlyon

Handwritten note in a circle:
Paid Sept 7/72
SYJV #217
\$944.88

T
N
T



TRANS NORTH TURBO AIR LTD.



BOX 4338 PHONE 668-2177
WHITEHORSE, YUKON

TO: [

]

Archer, Cathro & Associates
Box 4127
Whitehorse, Yukon

L

]

DATE

August 30, 1972

INVOICE NO.

A971-2

P.O. NO.

TO: Charge you with the charter of
Otter Aircraft CF-SUB
Pilot: W. Trerice

FLYING: August 27, 1972
Daily Flight Report No. 4861

240 miles at \$1.30 per mile

\$312.00

INVOICE TOTAL

\$312.00

*Paid
Sept 4/72
WKJV #283 156.00 - SYJV
SYJV #207 156.00 - WKJV*

STATEMENT

WHITEHORSE ASSAY OFFICE LTD
 P. O. BOX 4513
 WHITEHORSE, YUKON TERR.

DATE September 29 19 72

archer & bathro,
685- Two Bartall Centre; 555 Burrard St.
Vancouver 1, B.C. (S.Y.T.U.)

DATE	DETAILS	DEBIT	CREDIT	BALANCE
Sept-5	Statement	\$ 325.95		
Sept-8	cheque # 211		325.95	
Sept-12	7376-1 Pbt	8.50		
Sept-12	7380-1 AuAg Pbt Au	16.50		
	less 10% on current assays		2.50	
Sept-12	#11030 7307-2 1 SPECTRO	15.00		
Sept-12	#1751 #674 7359-4 #673 #675			
	4 SPECTRO @ 15.00	60.00		
Sept-22	#2427 7380-1 1 SPECTRO	15.00		
		440.95	328.45	112.50
	Net Due			112.50

(Handwritten signature and scribbles)

**1 PER CENT INTEREST
 PER MONTH ON
 OVERDUE ACCOUNTS**
REDIFORM 8M101

STATEMENT

WHITEHORSE ASSAY OFFICE LTD

P. O. BOX 4518

WHITEHORSE, YUKON TERR.

DATE September 5 1972

Archer & Cathro

(S.Y.J.U. ACCOUNT)

DATE	DETAILS	DEBIT	CREDIT	BALANCE
July-19	Statement			359.35
AUG-9	cheque # 169		359.35	
AUG-11	7285-2 WC3	7.00		
"	7295-2 Au; AuAg	8.00		
"	7301-1 AuAg	2.00		
"	7307-2 2AuAgpbtr @ 16.50	33.00		
AUG-28	7342-12 12AuAgpbtr @ 11.50	138.00		
AUG-29	7307-2 # 11030 7342-123 # 4657 3Cd @ 7.00	21.00		
AUG-30	7344-3 3AuAgpbtr @ 11.50	34.50		
SEPT-1	7359-4 4AuAgpbtr @ 23.50	94.00		
SEPT-1	7360-1 AuAg	5.00		
		345.50		
	Less 10%		34.55	
AUG-11	7301-1 SPECTRO	15.00		325.95
	1 PER CENT INTEREST PER MONTH ON			

Paid
 5/22/72
 Sept 12
 325.95

Hao

OVERDUE ACCOUNTS



THE ONLY CANADIAN NAME IN WORLD-WIDE CAR RENTALS -
 Million Rent-a-Car Service
 2537 Second Avenue
 Whitehorse, Yukon
 Phone 753-6647-2525

20 CUSTOMER - LOCATAIRE
 ARCHER CATHERINE + ASSOC
 Box 4127
 WHITENERVILLE
 #231 #136-27
 Paid Oct 21/72

21 DRIVER'S LIC. NO. CONDUCTEUR
 9903

2 VEHICLE NO. VÉHICULE
 3 LIC. NO. WD 31
 4 MAKE - MARQUE Chrysler
 5 STYLE Ply
 6 OWNER STAT. PROPRIÉTAIRE
 7 TO BE CHECKED IN AT - ARRIVERA À Whitehorse
 8 RETURN DATE - DATE DE RETOUR Monday
 9 CREDIT CARD - CARTE DE CRÉDIT NO.
 10 DESTINATION Local

25 DATE & TIME IN RETOUR SEP. 15/72
 26 DATE & TIME OUT DÉPART SEP 9/72

12 PROV. Y-73 13 P.O. - BON DE COMM.

ALTERNATE CAR AUTRE VOITURE	
MILES IN MILLES RETOUR	
MILES OUT MILLES DÉPART	
MILES DRIVEN MILLES CONDUITS	

27	9288	MILES IN MILLES RETOUR
28	9091	MILES OUT MILLES DÉPART
29	197	MILES @ 16
30		3152

REMARKS - REMARQUES
 GASOLINE EXTRA. This unit with **YOUR INVOICE** I I **VOTRE FACTURE**
 L. W. Schmidt

21 IN BY RETOUR PAR
 22 OUT BY DÉPART PAR
 23 TRAVEL AGENT DE VOYAGE
 24 INTERCITY FEE TAUX INTERCITÉ
 31 HRS. HEURES
 32 DAYS JOURS
 33 WKS. SEM.
 34 TOTAL TIME & MILEAGE TOTAL TEMPS & MILLAGE
 35 TPA
 36 SUB-TOTAL SOUS-TOTAL

COLLISION DAMAGE WAIVER - EXONÉRATION POUR DOMMAGES PAR COLLISION
 IN CONSIDERATION OF THE PAYMENT OF \$2.00 PER DAY PAR JOUR
 CUSTOMER'S LIABILITY FOR DAMAGE TO RENTED VEHICLE INCLUDING WINDSHIELD IS LIMITED TO: 10000
 RESPONSABILITÉ DU LOCATAIRE POUR TOUS DOMMAGES CAUSÉS AU VÉHICULE LOUÉ EST LIMITÉE À: 10000
 (PARE-BRISE INCLUS)
 PROVIDED ALL TERMS OF THE RENTAL AGREEMENT ARE COMPLIED WITH
 T.V.P. IMPOSABLE SUR CE MONTANT AU QUÉBEC SEULEMENT

37 SUB-TOTAL SOUS-TOTAL
 38 TAX TAXE
 39 COLLISION DAMAGE WAIVER EXONÉRATION POUR DOMMAGES PAR COLLISION
 40 OTHER AUTRE
 41 RECEIPTS RECUS
 42 DEPOSITS DÉPÔTS
 43 TOTAL CHARGES COÛT TOTAL
 44 LESS CREDITS À CRÉDITER

SIGNATURE OF RENTER / EMPLOYEE OF RENTER
 NATURE DU LOCATAIRE / EMPLOYÉ DU LOCATAIRE X
 HOME ADDRESS / ADRESSE DOMICILE

45 BALANCE DUE / SOLDE DÛ
 CASH COMPTANT
 CHARGE À FACTURER
 46 RECEIVED REFUND (TO BE INITIALED BY RENTER) / REMBOURSEMENT REÇU (À ÊTRE INITIALÉ PAR LE LOCATAIRE)

CITY / VILLE
 LOCAL ADDRESS / ADRESSE LOCALE
 19 TEL. NO.

47 RECEIVED REFUND (TO BE INITIALED BY RENTER) / REMBOURSEMENT REÇU (À ÊTRE INITIALÉ PAR LE LOCATAIRE)

CUSTOMER IS LIABLE FOR ALL PARKING AND TRAFFIC VIOLATIONS / LOCATAIRE RESPONSABLE POUR TOUTES CONTRAVENTIONS DE STATIONNEMENT OU DE CIRCULATION



Outline of 1"=1000ft. detail area.

HO-HO CLAIM BOUNDARY

TINTINA FAULT

GEOLOGY		FOLIATION	
TERTIARY	UNIT II Basalt, dacite porphyry, tuff	Inclined	↘ ↙
PERMIAN?	UNIT D Dunita, serpentinite	Vertical	↑ ↓
	UNIT Aa Micaceous quartzite		
HADRYNIAN or CAMBRIAN	UNIT Ab Limestone		
	UNIT Ac Schist, minor shales (?)		
	UNIT C Augen gneiss		
LEGEND		CONTACTS	
---	Assumed fault	-----	Approximate
○	Outcrop	Assumed

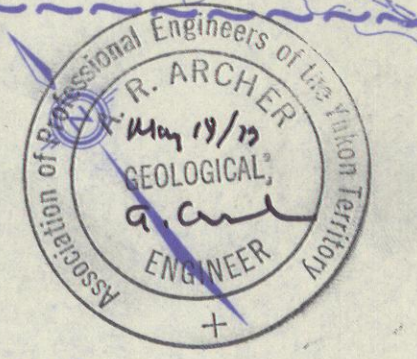


FIG. 26
 ARCHER, CATHRO & ASSOCIATES LTD.
REGIONAL GEOLOGY-HOO AREA
 SOUTH YUKON JOINT VENTURE

Scale 1:50,000

To accompany report dated Nov 1972



Outline of
1" = 1000ft
detail area.

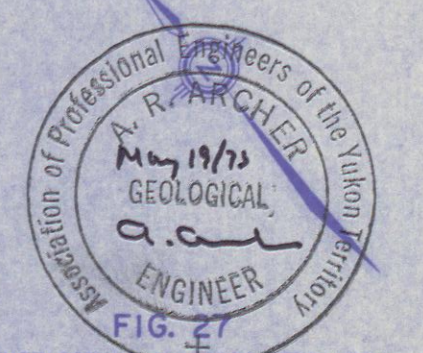
HO-HO CLAIM BOUNDARY

TINTINA

FAULT

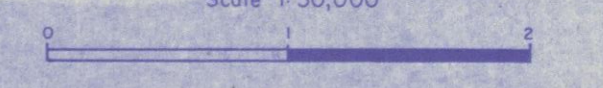
LEGEND

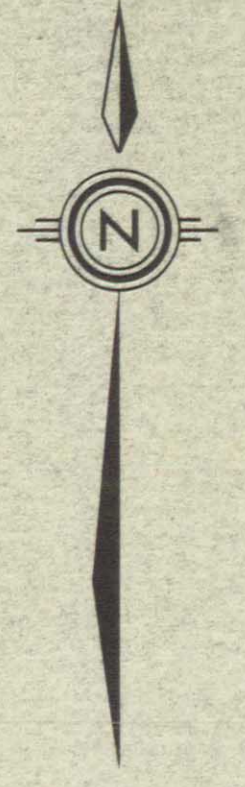
- 26.100.42 ● Soil sample
- 28.108.20X Stream sediment sample
- Assays for lead, zinc and copper in ppm by Chemex Labs Ltd



REGIONAL GEOCHEMISTRY-HOO AREA
SOUTH YUKON JOINT VENTURE

Scale 1:50,000





- GEOLOGY**
- UNIT A: Chlorite schist, minor shales (T)
 - UNIT B: Limestone
 - UNIT C: Ductile porphyry, sulf.
- LEGEND**
- Pits, with number
 - Location of mineralized floor, with assays where available
 - Attitude of foliation
 - Fault
 - Upper limit of last period of glaciation (approx.)
 - Volcanic-schist contact (approx.)
 - Limestone-schist contact (approx.)
 - Lead > 50
 - Zinc > 250
 - Copper > 35

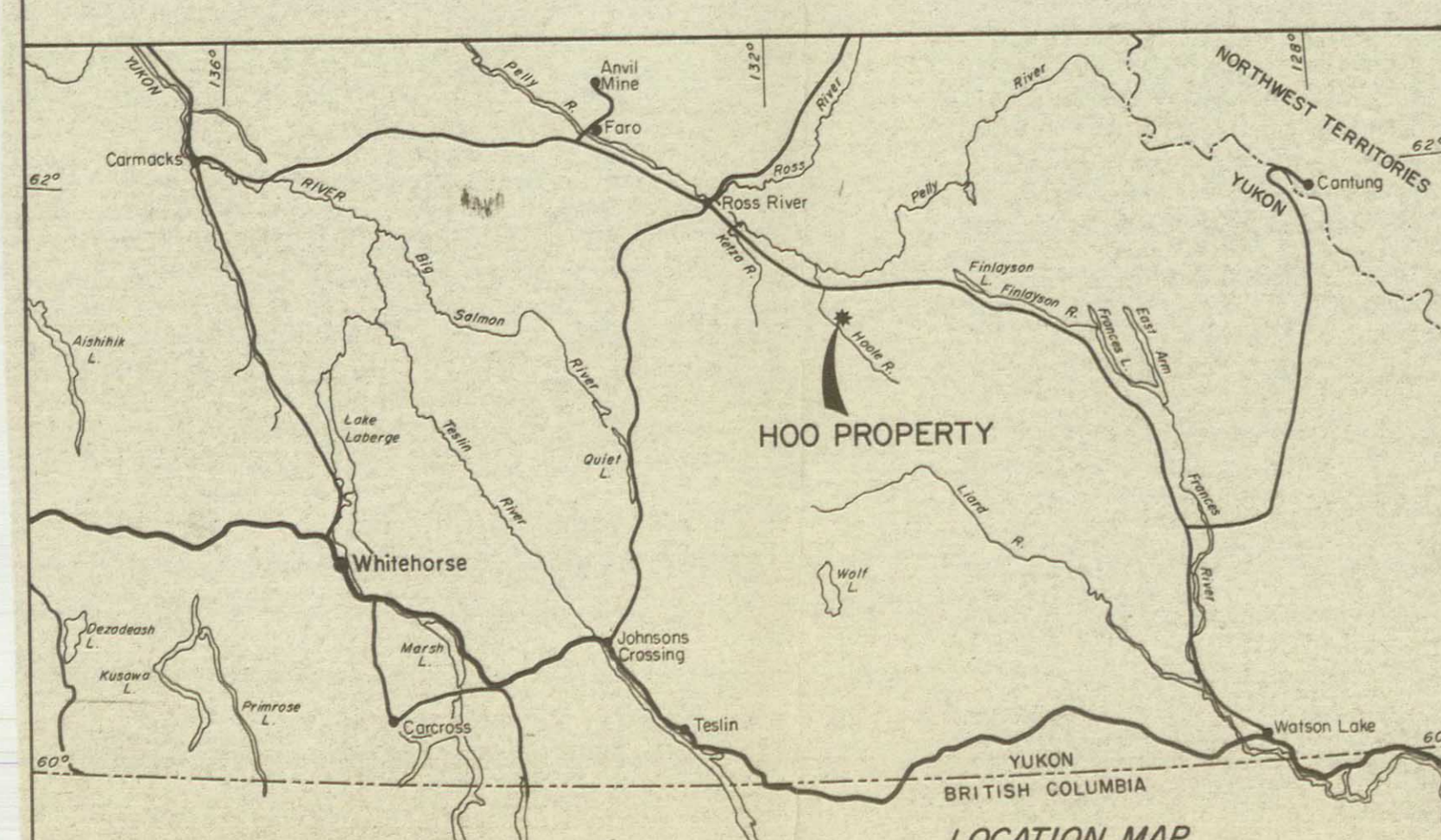


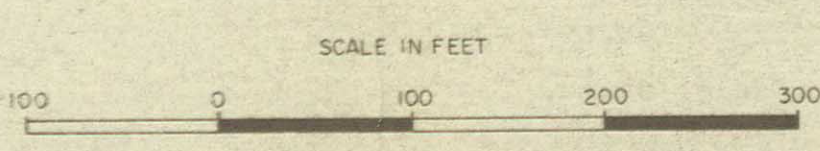
FIG 28
 ARCHER, CATHO & ASSOCIATES LTD.
GEOLOGICAL INTERPRETATION
 HOO PROPERTY
 SOUTH YUKON JOINT VENTURE
 SCALE IN FEET
 0 1000 2000 3000
 To accompany report dated June 1972.



SECTION A-A
SOIL PROFILE ON GLACIAL TERRACE

Soils (about 12" thick) - sandy clay, with up to 12" subgrade to subsoil -
Soils (1 to 2' thick) - silty sand
Weakly bedded brown sand

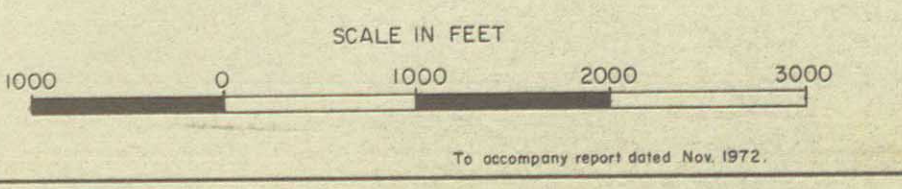
Soils (about 8" thick) - silty, sandy
clay matrix containing stringy to tubular
shells - up to 20% oriented with flat sides
parallel to contact - mineralized floor fairly
abundant

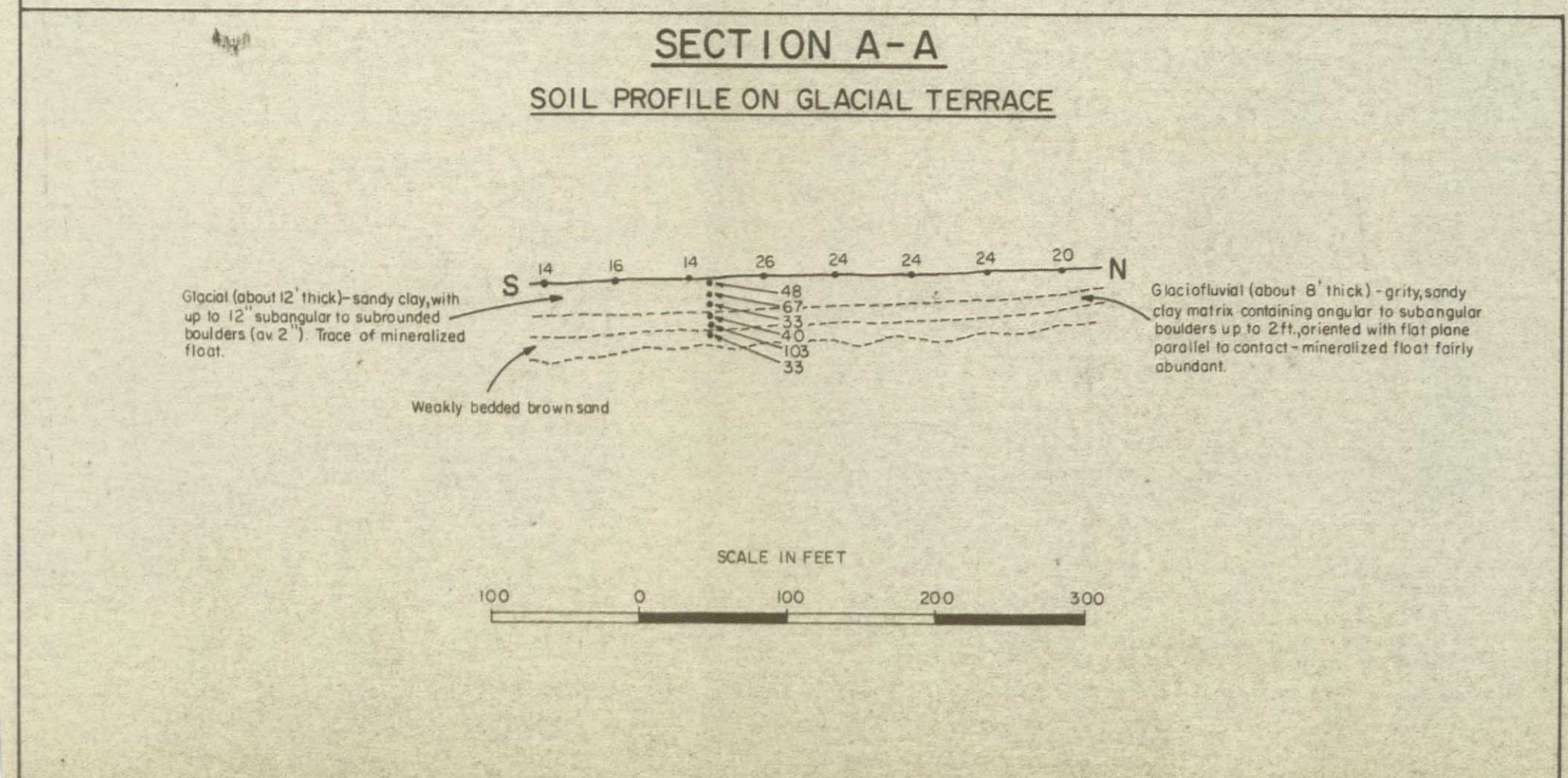


- LEGEND**
- Soil
 - × Soil
 - NI: Not analyzed
 - Assays in ppm by Chemex Labs Ltd., North Vancouver, B.C.
 - Contour interval 150-200, 200-500, >500



FIG 29
ARCHER, CATHRO & ASSOCIATES LTD.
ZINC GEOCHEMISTRY
HO-HO PROPERTY
SOUTH YUKON JOINT VENTURE





LEGEND

- Soil
- * Site
- NA Not assayed
- Assays in ppm by Cheme Labs Ltd., North Vancouver, B.C.
- Contour interval 35-50, 50-100, >100

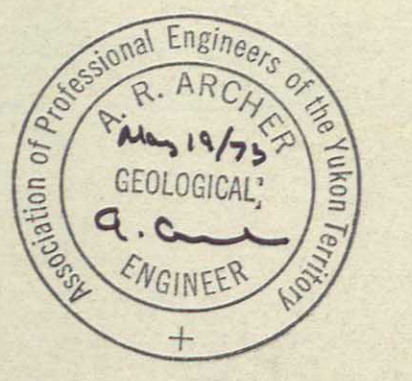
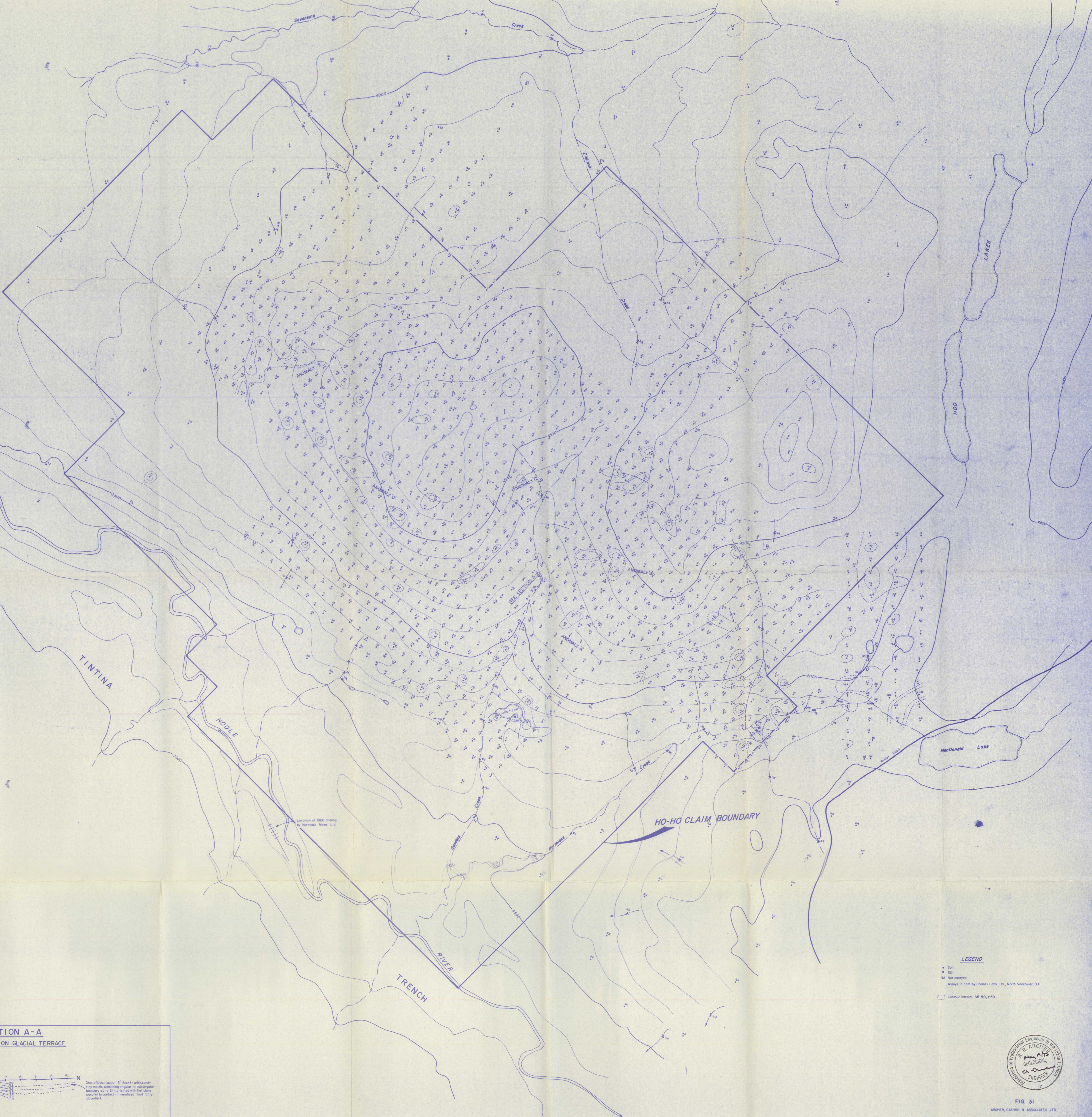
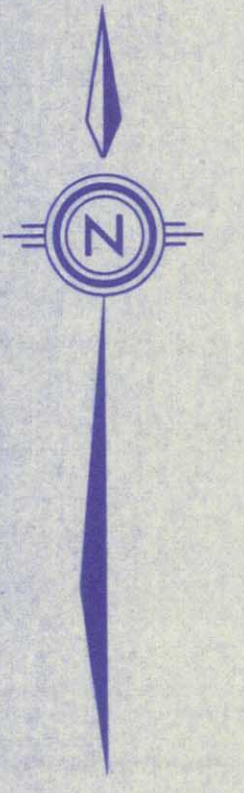


FIG. 30
ARCHER, CATHRO & ASSOCIATES LTD.
LEAD GEOCHEMISTRY
HOO PROPERTY
SOUTH YUKON JOINT VENTURE

SCALE IN FEET
0 1000 2000 3000

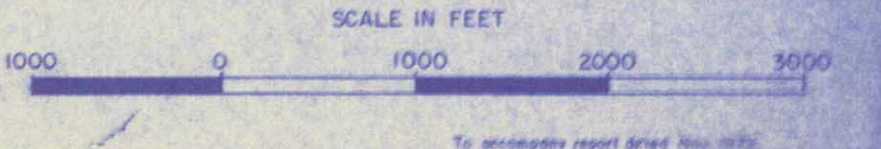


LEGEND

- Soil
- X Soil
- NA Not analyzed
- Assays in ppm by Chemex Labs Ltd., North Vancouver, B.C.
- Contour interval 35-50, >50



FIG. 31
 ARCHER, CATHRO & ASSOCIATES LTD.
COPPER GEOCHEMISTRY
 HOO PROPERTY
 SOUTH YUKON JOINT VENTURE



SECTION A-A
 SOIL PROFILE ON GLACIAL TERRACE

Glacial (about 12' thick) - sandy clay with up to 12' subangular to subrounded boulders (up to 2') trace of mineralized float

Glacioluvial (about 8' thick) - gritty, sandy clay matrix containing angular to subangular boulders up to 2 1/2' oriented with flat ends parallel to contact - mineralized float fairly abundant

Weakly bedded brown sand

