LOB NO: 0622 U ACTION: GEOCHEMICAL ASSESSMENT REPORT On the FRI GROUP MINERAL CLAMS FILE NO: Kamloops M.D. 92P/9W Lat.51.35'N Long. 120-28'W Sept. 1994 FILMED > 🖓 SI S O For Owner/Operator **Electrum Resources Corporation** S O S SM SUB-RECORDER Z> RECEIVED JUN 1 9 1995 7 9 M.R. #..... \$... 西河 VANCOUVER, B.C. 7 > 2 C 20 ~ 별 May, 1995 S. Zastavnikovich, P.Geo. **Geochemical Consultant** Delta, B.C.

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GEOCHEMICAL ASSESSMENT REPORT ON THE FRI GROUP MINERAL CLAIMS

INTRODUCTION & DESCRIPTION

The FRI Group of mineral claims contains 69 contiguous units, consisting of the FRI 1-4 claims of 16, 18, 16 and 16 units respectively, and the FL 2-4 claims of one unit each, as described below. The claim group is located on Friendly Lake on map 92P/9W, in the Kamloops Mining Division, some 30 km northeast of the town of Bridge Lake, in south-central British Columbia.

The FRI 1 & 2 claims were staked on April 5, the FRI 3 & 4 on March 18, and the FL 2-4 on Sept. 21, all in 1994, and are owned by Electrum Resources Corporation. The present status of the claims is as indicated below:

<u>Claim</u>	Record#	<u>Units</u>	Expiry Date*
FRI 1	324810	16	April 5, 1997
FRI 2	324811	18	April 5, 1997
FRI 3	324274	16	Mar.18, 1997
FRI 4	324275	16	Mar.18, 1997
FL 2	331247	1	Sept.21, 1998
FL 3	331248	1	Sept.21, 1998
FL 4	331249	1	Sept.21, 1998

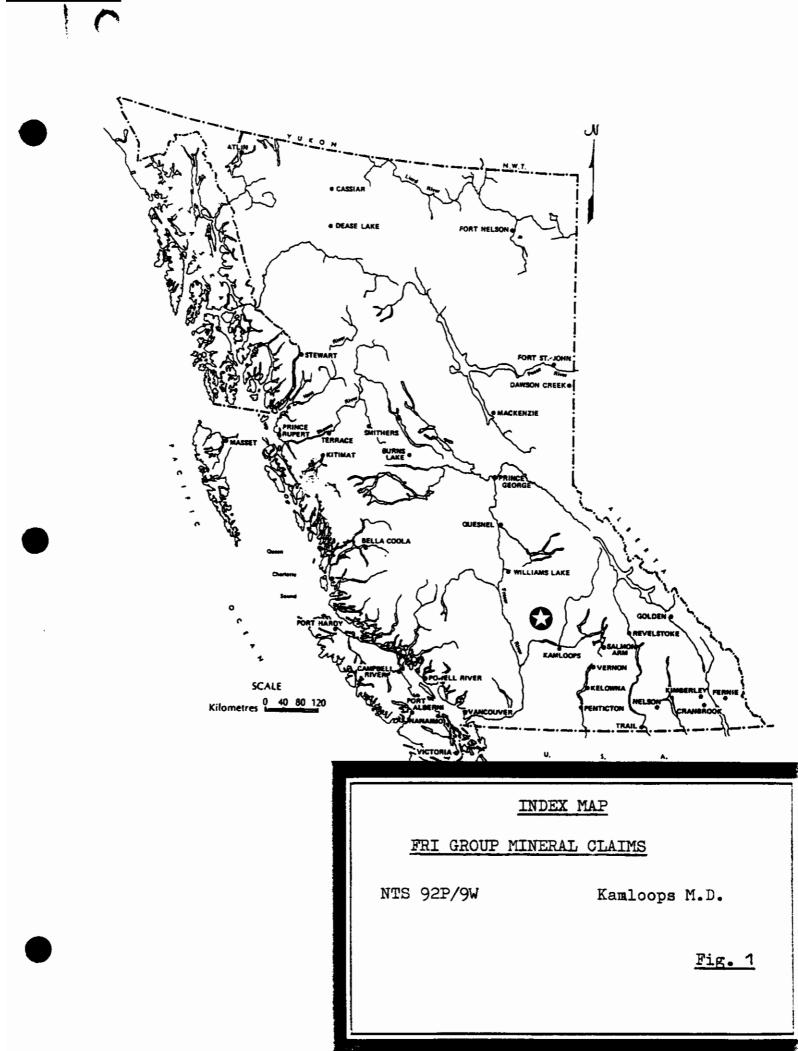
*Upon Approval of this Report

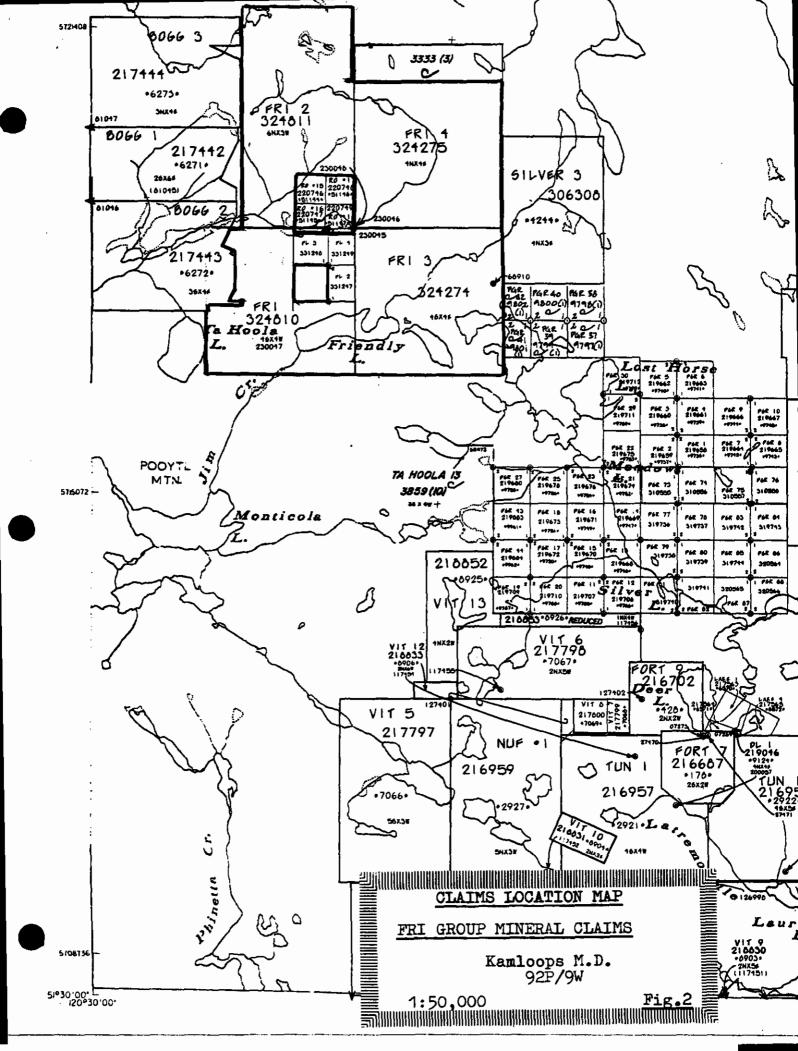
From Sept. 20th to 25th, 1994, the writer visited the FRI claims to collect stream sediment sampels for -80 mesh regular and heavy minerals (H.M.) processing in order to help identify geochemical parameters best suited for geochemical evaluation of the mineral potential of the claims. As outcrops are scarce on the property due to extensive glacial cover, rock samples of mostly float were collected along the sampling traverses by the writer, and by J. Barakso, the owner, who helped to prospect the property. The rock samples are described in Appendix II, and the analytical results shown in Appendix IV and on the geochemical map, Fig.4, in pocket.

Access to the claims group is 20 km. east from Bridge Lake via the paved Hwy 24 between 100 Mile House and Little Fort, then some 20 km. north on winding old and new logging roads to Friendly Lake.

PHYSIOGRAPHY

The FRI Group mineral claims area, located mainly to the north of Friendly Lake, is one of rolling upland in which small lakes and swamps abound and, except for a few sparse hilltops and creek gullies, rock exposures are scarce. The whole claims area is covered by a considerable mantle of glacial drift of varying thickness.





GEOLOGY

The most comprehensive description of the general geology of the claims area is to be found in the BCDMPR G.E.M. 1970 by V. Preto as quoted below, which includes descriptions of physiography, prospecting history, geology, structures, and mineralization present in the FRI Group mineral claims area. Preto's Fig.44 geology map is included as Fig.3, overleaf.

Geology Of The Area Between Eakin Creek and Windy Mountain:

The area between Eakin Creek and Windy Mountain that is covered by Figure 44 is one of rolling upland in which swamps and small lakes abound and, except for a few sparse hilltops, rock exposures are scattered and poor. With a few exceptions, creek valleys are broad and covered by a considerable mantle of drift. The highest point in the area is Windy Mountain to the north, which reaches an elevation of 6,449 feet. To the south, the area is traversed from west to east by the deeply incised valley of Eakin Creek, which offers excellent and nearly continuous exposures of granitic rocks of Thuya Batholith and, to the east, of volcanic and sedimentary rocks of the Nicola and Cache Creek Groups.

The geology of the area is characterized by a mosaic of fault blocks of sedimentary and volcanic rocks that range in age from Permian to Lower Jurassic. To the south, these rocks are truncated by the northern part of Thuya Batholith and in the area between Friendly Lakeand Windy Mountain they are intruded by stocks of fine-grained leucogranite to leucosyenite porphyry that may be satellites of Thuya Batholith. The geological framework of the area is outlined in the Geological Survey of Canada Map 3-1966. The present writer devoted his time chiefly to examining several base metal prospects and their setting in the local geology.

Map Unit 1 - Cache Creek Group

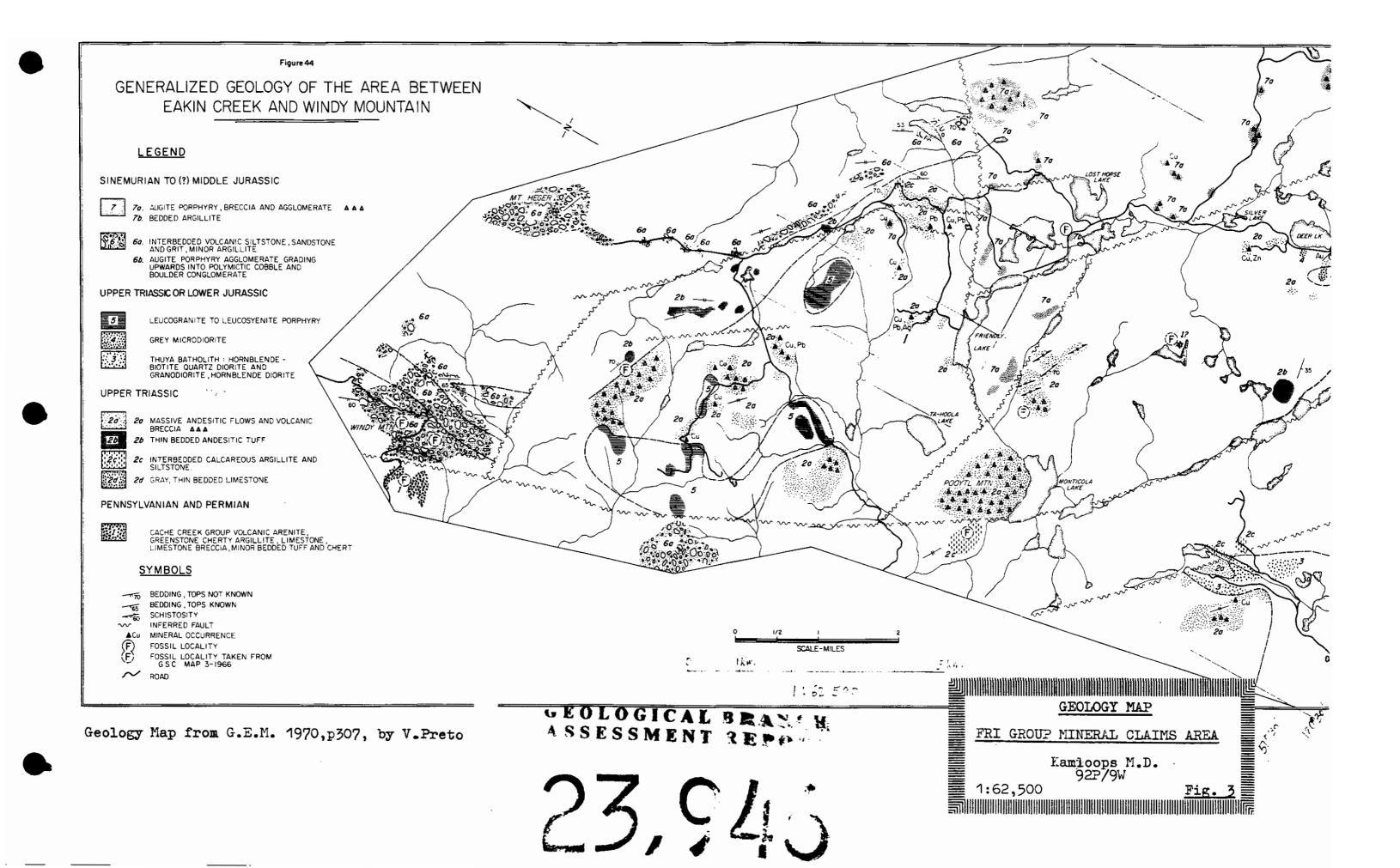
Rocks believed to be part of the Cache Creek group are found at three localities within the map-area. On Eakin Creek, to the southeast, a sequence of cherty argillite and fine-grained, hard, calcareous argillite is shown on Geological Survey of Canada Map 3-1966 as being part of the Cache Creek Group. On the same map an occurrence of dark-grey to black coquinoid limestone 2 miles south of the east end of Friendly Lake is reported to have yielded Permian brachiopods and fusulinids. With the exception of the isolated locality south of Friendly Lake, the other areas of Cache Creek rocks are in fault contact with younger rocks of Upper Triassic and Jurassic age.

Map Unit 2-Nicola Group

Rocks of the Nicola group are the most common and widespread in the map-area, as well as the hosts to virtually all the known mineral occurrences. On the basis of their lithology, Nicola rocks have been divided into four subunits, a brief description of which is given below.

Subunit 2a-Massive andesite, pyroxene andesite, and breccia are common and widespread in the are. They are generally interlayered with one another on a large scale and may locally contain interbeds of lightgreen laminated tuff. Massive flow rocks are generally medium to fine grained, occasionally amygdaloidal, and usually contain tiny phenocrysts of augite and (or) plagioclase. Fragmental rocks range from breccias in which an andesitic matrix contains angular to sub-rounded clasts of nearly identical rock, to breccias in which the clasts consist of a wide variety of rocks, both volcanic and sedimentary. One mile south of **Friendly Lake**, for instance, grey limestone fragments that have yielded an Upper Karnian fauna are common in a sequence of volcano-clastic rocks.

In the vicinity of intrusions, Nicola volcanic rocks have been altered in varying degree. On upper Phinetta Creek, within a few hundred feet of granitic rocks of Tjiua Batholith, massive andesite, volcanic breccia and tuff have been changed to biotite and pyroxene hornfels that are locally laced with quartz-epidotecarbonate-garnet veinlets. One mile southeast of Dum Lake, similar rocks have been changed to finegrained amphibolite schist. In the vicinity of the leucogranite and leucosyenite porphyry stocks northwest of **Friendly Lake**, massive and fragmental andesites have been extensively epidotized and, closer to the intrusion, are laced by veinlets of orthoclae, hedenbergite, antigorite, calcite, and chalcedony.



Subunit 2b-Thin-bedded, light-green tuff with some interbeds of coarser lapilli tuff and tuff breccia is found approximately halfway between Friendly Lakeand Windy Mountain. Similar rocks are also found locally as interbeds with rocks of unit 2a. Rocks of unit 2b are of limited areal extent and probably grade laterally into rocks of unit 2a.

Subunit 2c-Interbedded calcareous silstone, argillite, shale, and sandstone have been observed at three localities between Long Island Lake and Monticola Lake. They appear to make up a poorly exposed northwest-trending fault block and, in the vincinity of Monticola Lake, have yielded a Halobiid fauna of probable Upper Triassic age.

Subunit 2d-Grey, fine-grained, well-bedded limestone, locally altered to skarns, is found in exploration trenches at the south end of Deer Lake. Boulders of the same rock found in the vicinity show tight folding, brecciation, and some quartz veining.

Map Unit 3

Biotite-hornblende granodiorite and quartz diorite of Thuya Batholith occupy the whole southern part of the map-area where they are in contact with sedimentary and volcanic rocks of the Nicola Group. The best and most continuous exposures are found along the deeply incised valley of Eakin Creek. The contact relationships of rocks of Thuya Batholith with the surrounding Nicola rocks vary. West of Long Island Lake and on upper Phinetta Creek the contacts appear to be sharp and the surrounding volcanic rocks have been altered to hornfels. In the vicinity of Dum Lake to the southeast, Nicola rocks have been locally intensely deformed and changed to amphibolite schist. The intrusive contact in this area is not clearly defined and appears to occupy a relatively wide transition zone.

From field relationships and from a very limited amount of potassium-argon age determinations, the age of Thuya Batholith is considered to be very Late Triassic or very Early Jurassic (Campbell, R.B., and Tipper, H.W., unpublished manuscript).

Map Unit 4

Grey, medium-grained diorite is found at several localities near and southeast of Deer Lake. Because of poor and very sparse exposures, nothing is known on the mode of occurrence of this unit other than it is intrusive into and locally causes considerable development of skarn and some suphide mineralization in rocks of units 2a and 2d. The diorite is probably part of a satellitic body of Thuya Batholith.

Map Unit 5

Medium-grained leucogranite to leucosyenite porphyry occurs as three distinct stocks, roughly halfway between Friendly Lakeand Windy Mountain. The largest of these stocks is approximately 3 miles long and three-quarters of a mile wide, elongated in a northwesterly direction and crudely crescentic-shaped. The other two stocks lie east of it and are of much smaller size. A number of dykes of similar composition radiate from these stocks into the surrounding volcanic rocks.

A considerable range in composition was observed in the three stocks, particularly with regard to the quartz content. Two thin-sections from the northern part of the larger stock indicate that there the rock is a leucogranite porphyry, composed essentially of euhedral to subhedral orthoclase phenocrysts, a subordinate amount of oligoclase, and 15 to 30 per cent anhedral interstitital quartz grains. One thin-section from the smallest stock indicates the rock is a fine-grained syenite porphyry made up of large phenocrysts of perthitic potash feldspar surrounded by a granular aggregate of smaller grains of sodic plagioclase and some quartz. The easternmost stock is composed of leucoganite porphyry consisting almost entirely of perthite and interstitial quartz, and laced by a very large number of quartz veinlets. In the vicinity of the larger stock in particular, both volcanic and intrusive rocks are cut by numerous veins of hedenbergite, orthoclase, calcite, antigorite, and, in some cases, chalcedony. Chalcopyrite, pyrite, galena, and tetrahedrite are found at several localities in altered volcanic and, occasionally, in intrusive rocks. The age of these leucocratic intrusions is not clearly known. They cut Upper Triassic Nicola rocks and, on Windy Mountain, boulders of similar rocks are found in conglomerate of the Lower Jurassic map unit 6b (Campbell, R.B., and Tipper, W.H., unpublished manuscript). The intrusions are therefore probably of the same age as the Thuya Batholith and may be satellites of it.

Map Unit 6

Subunit 6a-Interbedded grey and dark-grey volcanic siltstone, sandstone, and grit are found in the northeastern corner of the map-area in the vincinty of Mount Heger, on Windy Mountain, and on an isolated hill west of the largest leucogranite stock of unit 5. Where best exposed, on Windy Montain and on Mount Heger, these rocks are generally well and thinly bedded. In hand speciment they have the appearance of normal clastic sediments, but in thin-section they can clealry be seen to be composed of tiny fragments of augite, plagioclase, and, in the coarser phases, fine-grained volcanic rocks. On Windy mountain these rocks have yielded ammonities of probably Sinemurian age (Geol. Surv., Canada, Map 3-1966; Campbell, R.B., and Tipper, H.W., unpublished manuscript, p.66).

Subunit 6b-A prominent unit of augite porphyry agglomerate and polymictic volcanic conglomerate more than 1,000 feet thick is found on Windy Mountain interbedded with finer-grained clastic rocks of unit 6a. The lower part of this unit is composed entirely of subrounded blocks of augite andesite set in a matrix of more finely broken material of the same composition. This rock grades upward into a cobble and boulder conglomerate in which generally well-rounded clasts of augite porphyry are found, together with a variety of other rocks which include hornblende-biotite granodiorite, tachyte porphyry, grey limestone, and darkgrey argillite. A short distance to the east and lower in the section a similar unit of augite porphyry agglomerate is found on both sides of Windy Creek. This unit appears to lack the portion of polymictic conglomerate and thins very quickly to the north into fine-grained rocks of unit 6a.

Map Unit 7

Subunit 7a-A striking sequence of coarse-grained augite porphyry breccia and agglomerate with some finegrained crudely foliated amygdaloidal augite porphyry and more massive augite porphyry is found in the east central part of the map-area between the east end of Friendly Lake and Rock Island Lake. The coarse fragmental phase of this unit is more prominent 7,000 feet north of Lost Horse Lake, where it forms a bold rocky hill, and in the vicinity of Rock Island Lake. Massive augite porphyry, in part probably intrusive, is found between Lost Horse Lake and Friendly Lake. Crudely foliated amygdaloidal augute porphyry with a few traces of chalcopyrite was observed in an exploration trench on a hilltop 5,000 feet southeast of Lost Horse Lake.

Subunit 7b-One exposure of fossiliferous-bedded argillite probably associated with rocks of unit 7a was found in an exploration trench 1,000 feet west of the west end of Lost Horse Lake. Poorly preserved ammonoids collected by the writer from these rocks suggest a Lake Sinemurian or Early Pleinsbachian age.

Mineral Occurences

Numerous base-metal showings and prospects are found in the map-area and can be subdivided in three groups. Copper and, to a lesser extent, gold, lead, and silver are found in skarns in the vicinity of stocks of map unit 5, near diorite of map unit 4, and at certain localities near the edge of Thuya Batholith. Occurrences of lead and silver with smaller copper values are found along shear zones in intensely altered volcanic rocks. Copper in quartz stockwork occurrences is found in granitic rocks of Thuya Batholith. The showings that belong to these three main groups can be described briefly as follows:

1. Skarn depostis near Deer Lake-Several occurrences of sulphide mineralization are found in the vicinity of Deer Lake in volcanic rocks and limestone that locally have been altered to skarn. Values in copper and gold have been reported. Mineralization includes massive pyrrhotite and magnetite as well as pyrite and chalcopyrite. Three selected samples of massive pyrrhotite-magnetite mineralization taken at some old workings at the southwest end of Deer lake gave the following results:

Sample No.	Gold (Oz.per Ton)	Silver (Oz.per Ton)	Copper (Per Cent)	
1	Trace	Trace	0.14	
2	0.02	Trace	0.40	
3	0.19	0.30	0.75	

The mineralization and related skarn alteration are closely related in distribution to the bodies of grey microdiorite (map unit 4). A considerable amount of trenching and some diamond drilling has been done on a narrow strip of ground extending for nearly 2 miles southeast from Deer lake. No drill core could be obtained for examination and the few sparse exposures that could be found indicate that the microdiorite extends at least as far southeast as exploratory work was done, and that altered and weakly mineralized volcanic rocks can be found locally in this belt.

2. Lead-silver mineralization north of Friendly Lake-Approximately 3,000 feet north of Friendly Lake, in an area of virtually no outcrop, trenching and diamond drilling have outlined a zone of argentiferous galena mineralization that is reported to occur within a shear zone that strikes north 60 degrees west and dips 65 degrees to the southwest (Ann. Rept., 1968, p. 168). The mineralization occurs as disseminated galena, pyrite, and some chalcopyrite in andesite and fragmental andesite that are strongly altered to bluish antigorite, pyroxene, chlorite, and calcite. Some 7,000 feet northeast of Friendly Lakea similar type of mineralization and alteration is found, again in massive and fragmental andesite.

3. Copper mineralization associated with leucogranite and leucosyenite porphyry stocks-Approximately 3 miles northwest of Friendly Lake and immediately east of the larget stock unit 5, several occurrences of chalcopyrite, pyrite, galena, and some tetrahedrite have been found both in altered vocanic and intrusive rocks. Alteration associated with the intrusions is widespread and locally intense, and consists of pronunced fracturing of the volcanic rocks, accompanied by pervasive development of pyroxene, epidote, and chlorite, as well as by orthoclase-hedenbergite veining and by local development of antigorite and chalcedony. Sulphides are found either along fractures or disseminated throughout the altered rocks.

4. Copper occurrences on Phinetta Creek and northwest of Long Island Lake-Massive and fragmental andesite and tuff are commonly altered to biotite or pyroxene horfels close to the contact of Thuya Batholith between Long Island Lake and Upper Phinetta Creek. Locally light-grey veinlets of epidote, quartz, carbonate, and garnet lace the hornfels. A considerable amount of trenching as well as some diamond drilling has been done in this area, but nothing of interest other than some sparsely disseminated pyrrhotite, pyrite, and traces of chalcopyrite has been found in hornfels.

5. Lead and copper occurrences north of Long Island Lake-Mineralization consisting of much pyrrhotite, pyrite, galena, and some chalcopyrite is found on a hilltop approximately 3,000 feet north of the north shore of Long Island lake. The sulphides occur as small lenses in a 50 to 60-foot-wide zone of skarny alteration that parallels the bedding in dark-grey calcareous shale and siltstone of map unit 2c, and is paralleled to the east by a 30 to 35-foot-wide sill of rusty weathering quartz feldspar porphyry that is thoroughly sericitized and weakly mineralized.

6. Copper occurrences north of Thuya Lakes-Sparse occurrences of chalcopyrite were observed in strongly fractured and saussuritized granodiorite of Thuya Batholith along the Thuya Lakes logging-road directly south of Eakin Creek. Chalcopyrite occurs in leached quartz veinlets that cut the granodiorite and contain a good deal of deep chocolate-brown limonite. Mineralization can be found, though very weak and sporadic, in most road cuts along the first 2 miles of road on the south side of Eakin Creek. Similar alteration and traces of chalcopyrite were observed in much the same granitic rock in a small isolated exposure surrounded by overburden along the same road 8.500 feet south of Eakin Creek. References: Minister of Mines, B.C., Ann. Rept., 1968, pp. 167, 168; Geol. Surv., Canada, Map 3-1966; Campbell, R.B., and Tipper, H.W., Bonaparte River Map-Area, British Columbia (92P).

GEOCHEMISTRY

A geochemical reconnaissance drainage sampling survey was conducted by the writer during the week of September 20-25, 1994 over the FRI Group mineral claims located on Friendly Lake on Map 92P/9W in the Kamloops Mining Division. A total of 41 stream sediment samples was collected and both the regular -80 mesh total fraction and the heavy minerals (H.M.) fraction were analyzed for <u>fire-geochemical gold</u> and <u>31 trace-elements</u> ICP, while 54 outcrop and float rock samples were in addition analyzed for <u>flourine and</u> total barium at Min-En Laboratories in N. Vancouver, using standard geochemical methods described in Appendix III. Gold, silver, arsenic, barium, antimony, copper, lead, and zinc values for -80 mesh total fraction and the H.M. fraction for the silt samples, and additional flourine and total barium values for the rock samples, are inscribed on the 1:10,000 scale sample locations map, Fig.4, in pocket, while complete analytical results are presented in Appendix IV.

The stream sediment samples were collected using a specially constructed perforated pan and sieve device in order to enhance the uniformity of the sampled material, which in turn yields repeatable analytical values, and makes it possible to identify subtle trace elements anomalies from deeper or more distant sources. The heavy mineral fraction was isolated and also analyzed in order to increase the analytical detectability of anomalous values related to possible precious metals mineralization in the glacially-mantled claims area.

Rock Samples Geochemistry

As described in Rock Sample Notes, Appendix II and plotted on the sample location map, Fig.4, bedrock samples where available, but mostly float rock samples, were collected along the drainage sampling traverses, hilltops, and new logging roads, based on the presence of sulfides, alteration, rusty fracturing, silicification, etc., considered as possibly positive indicators of anomalous trace elements values related to mineralization.

The highest gold values of <u>644ppb and 424ppb Au</u> are present in float samples 1009F and JF16F respectively, described in Appendix II as bleached, silicified, pyritized andesites cut by quartz-carbonate veinlets variously containing specks of chalcopyrite. The highly anomalous gold values are associated with anomalous <u>12 and 708ppm As. 367 and 161ppm Ba. 502 and 1355 total Ba. 830 and 1360ppmF. 3.99 and 2.99%Ca. 6.80 and 4.99% Fe. 1.79 and 3.21% Mg. 1589 and 882 ppm Mn. 740 and 1150ppm P. 33 and 292 ppm Sr. 106 and 174ppm Cr. 111 and 159ppm Cu.1 and 39ppm Mo. 35 and 43ppm Pb. 66 and 74ppm Zn. as well as <u>0.1 and 1.6ppm Ag</u>, Map Fig.4, and Appendix IV. A similarly anomalous gold value of <u>415ppb Au</u> in a hematite-stained dolomite vein with boxworks and malachite, sample JF14R, Appendix II, is associated with anomalous <u>4.4ppm Ag</u>. 241ppm As. 726ppm Ba. 963ppm Ba total. 148ppm Cu. 1275ppm Mn. 12ppm Mo. 478ppm Pb. 165ppm Cr.</u>

The remaining anomalous gold values in rocks are an order of magnitude lower, ranging only up to several tens ppb Au, as plotted on Map Fig.4, in pocket; but throughout, the anomalous gold values are in general associated with anomalous molybdenum values in the rocks, except in sample 1009F, Appendix IV. Similarly, to a lesser extent, anomalous arsenic, barrium, flourine, copper, lead and silver values are variously present in the rock samples with anomalous gold values, but their association is masked by stronger intra-trace element associations, such as that between anomalous lead and silver values, Fig.4 and Appendix IV.

Because most of the sequential alteration/mineralization stages can be expected to be structurally controlled, a seemingly strong association of trace elements, such as that of molybdenum and gold described above, may only indicate spatial proximity, and not direct association. The competition for pathfinder trace elements exibited by the various alteration/mineralization stages, such as the silver-lead association in galena of the float rock sample 1016F collected near, and representative of, V. Preto's occurrence "2. Leadsilver mineralization north of Friendly Lake-" quoted above, requires analytical identification of the most useful pathfinder trace elements for gold. Other seeming associations include that of elevated antimony values with propylitization, arsenic and barium with the carbonate stage, chromium and/or gold with some of the silicification stages, etc., Appendices II & IV. This indicates the need for expanded analysis for additional pathfinder trace elements such as mercury, thallium, selenium, in the rock samples highly anomalous in gold, in order to identify the pathfinders most intimately associated with the precious metals mineralizing stages, whose presence in the property area is suggested by the above described anomalous gold values in rocks.

Stream Sediments Geochemistry

The initial 41 sediment samples collected on the FRI Group claims are concentrated around the Friendly Lake, as the geological map, Fig.3 indicates the lake to be the focus of major intersecting structures on the property. The Spectacle Lakes drainage to the north, also draining from east to west, was sampled as well, to intersect the north-northeast trend of glacial grooves present in the area, as indicated on the surficial geology Map 1293A for the Bonaparte Lake 92P map sheet, Ref.#2.

As indicated by the analytical values for the regular -80 mesh and the H.M. fractions, plotted on the 1:10,000 scale sample location map, Fig.4, for direct comparison, there is a high degree of correspondence between anomalous trace elements values in the two fractions analyzed. This can be ascribed to the initial high quality of the field-sieved sampling method, which greatly helps to isolate the lithic material for analysis in the regular -80 mesh total fraction.

The presence of anomalous gold values in the two fractions is also comparable, as plotted on Fig.4; however, a distinct reversal of emphasis is evident in the two main east-west drainages sampled. In the Friendly Lake valley the anomalous gold values are higher in the H.M. fraction, with the major exception of sediment sample 126 located on the exit drainage from the west end of Friendly Lake, which carries <u>702ppbAu</u> in the regular -80 mesh and only <u>16ppbAu</u> in the H.M. fraction. In the parallel Spectacle Lakes drainage to the north, most of the anomalous gold values are higher in the regular -80 mesh total fraction than in the heavy minerals. Thus sediment samples 103, 109, 111, 120 have highly anomalous <u>540ppb. 150ppb. 83ppb. 1780ppbAu</u> gold values in the total -80 mesh, but only <u>13, 11, 10, 105ppbAu</u> in the H.M. fraction, respectively.

Provided that adequate amounts of heavy minerals were isolated at the laboratory for gold analysis in the samples from the northern drainage, the anomalous gold distribution between the two fractions probably reflects the influence of glaciation in the claims area. In the vicinity of Friendly Lake the only anomalous trace elements in either fraction are arsenic up to <u>89ppmAs</u> in samples 121, 122, 124 and 126; moly of up to <u>16ppmMo</u> in samples 125 and 133, barrium up to <u>190ppmBa</u> in samples 125, 133; <u>71ppmZn</u> in sample 132; <u>103ppmB</u> in sample 134, and copper up to <u>594ppmCu</u> in samples 105, 122, 127, 130.

The weakly anomalous B, Ba, Mo, Zn, values in samples 132-134 are likely associated with the intersecting NW/NE fault and lineament structures at the northeast corner of Friendly Lake. Similarly, the weakly anomalous As, Ba, Mo values in samples 124-126 at the west end of the lake are associated with the NNW lineament indicated by the square end of the lake. The anomalous arsenic and copper values in samples 105, 121, 122 and copper in 127, 130 are likely associated with propylitic alteration to the north and south of the lake.

Thus the weakly anomalous trace elements geochemistry in the Friendly Lake basin is directly related to the structural intersections and the alteration patterns, rather than to the anomalous gold values in the H.M. fraction, which generally stand alone, indicating detrital glacial transport, probably from the north, Ref.#2. The weak epithermal As, Ba, Mo signatures at structural intersections described above need detailed follow-up, and the sources of gold in rock sample JF16F and sediment sample 126 located.

The main Spectacle Lakes drainage is weakly but continuously anomalous in barium, molybdenum and zinc in both fractions, with up to <u>273ppmBa</u>, <u>22ppmMo</u> and <u>333ppmZn</u> present in sediment samples 103, 107, 118-120, the last three being also anomalous in arsenic, with up to <u>96ppmAs</u> present. Highly anomalous copper values of up to <u>596ppmCu</u> in the -80 mesh total fraction and up to <u>114ppmCu</u> in the H.M.s are also present in samples 103, 107, 118-120 from the main drainage. The combination with the strongly anomalous gold values of up to <u>1780ppbAu</u> in the regular -80 mesh total fraction in some of the same samples, as described above, suggests that the source of the highly anomalous gold values is more likely to be located in this drainage, or is closer to the surface, than in the Friendly Lake drainage described earlier.

Finally, sediment samples 115-117 were collected in the drainage outlets of the long trenches in the area of the lead-silver mineralization described by V. Preto as the #2 occurrence, Ref.#1, located on the hill between the two main drainages. As the analytical results indicate, Fig.4 & Appendix IV, the sediments are highly anomalous in the same suite of multi-trace elements as is the representatively mineralized rock sample 1016F described earlier. Neither the rocks nor the sediment samples, however, carry appreciable values in gold, indicating that the base metals mineralization was a separate, though spatially related, event to that of possible gold mineralization on the property.

CONCLUSIONS

- 1. The initial reconnaissance scale stream sediment sampling survey conducted on the FRI Group mineral claims by the writer has identified strongly anomalous geochemical gold values of up to <u>644ppbAu</u> in rock samples, and up to <u>1780ppbAu</u> and <u>1610ppbAu</u> in the -80 mesh total and H.M. fractions, respectively, in stream sediment samples on the property.
- 2. The high quality field-sieved sediment sampling method has produced highly correlated analytical values for all trace elements in the regular -80 mesh total fraction and the H.M. fraction, thus greatly reducing the need for the latter in future sediment sampling surveys in the claims area.
- 3. The geochemical survey has established anomalous trace elements patterns associated with gold anomalies in the Spectacle Lakes drainage, indicating possible partially hydromorphic dispersion of gold from its sources; but in the Friendly Lake basin, the anomalous gold values mostly stand alone, probably due to detrital glacial dispersion from the north to northeast.
- 4. Analytical results indicate molybdenum to be the best trace-element associate of anomalous gold values, but additional pathfinder elements should be analyzed for, such as mercury, thallium, selenium, etc. in order to identify the best pathfinder trace-elements indicators for gold, as opposed to the base metals sulfides mineralization, known to be present on the property.

RECOMMENDATIONS

- 1. Reanalyze all the rock and sediment samples anomalous in gold for additional epithermal-type pathfinder trace elements such as mercury, thallium, selenium, etc.
- 2. Collect additional rocks in the vicinity of the rock samples 1009F, JF14R and JF16F, which contain highly anomalous gold values, and analyze for gold and an expanded pathfinder trace-elements suite.
- 3. Extend the stream sediment sampling coverage, using the field-sieved method, onto the unsampled portions of the property, particularly to the north and east, and follow-up the already established anomalies with detailed sampling.
- 4. Compile all geological information in old Assessment Reports from the claims area and it's vicinity, and prepare a detailed map of surface structures such as faults, lineaments, shear zones, etc., identified from topographic maps and air photographs for the claims area.

APPENDIX II ROCK SAMPLE NOTES - FRI Group Mineral Claims

Sample#	Description (R-outcrop; F-float)
1001R	-sheared propylitized andesite outcrop, with up to 1 cm wide quartz-carbonate veinlets.
1002R	-dark, intermediate intrusive, silicified bedrock.
1003F	-float, similar to 1001R bedrock.
1004R	-quartz-carbonate veins 1-2 cm wide, in a rusty-fractured silicified outcrop with cpy.
1005F	-extremely hard, very strongly silicified, 50 cm wide breccia boulder.
1 006,7 R	-rusty outcrop with minor blotches of cpy in strongly silicified zones.
1008R	-quartz-carbonate veins up to 2 cm wide in bleached volcanics.
1009F	-float similar to 1008R, but more strongly silicified.
1010F	-large quartz vein float, 30 cm wide, with minor barite.
1011F	-20 cm wide bull quartz vein in pink syenite.
1012F	-coarse-grained pink syenite float.
1013F	-40 cm wide coarsely-crystalline quartz vein.
1014,15F	-5 cm wide quartz-carbonate-barite vein, with boxworks, Mn on fractures.
1016F	-hydrothermally altered andesite to bluish antigorite, with py, cpy, galena, cut by vuggy
	quartz-calcite-barite-jarosite veinlets, to 1 cm wide.
1017F	-as 1016F, but very strongly silicified.
1018F	-similar to 1013F, 5 cm wide quartz vein.
1019F	-dark, fine grained silicified volcanic, 1-2% dissem. py, weakly magnetic.
1020F	-quartz vein similar to 1014,15F.
1021R	-greenish andesite breccia, bleached, with rusty fractures.
1022,23R	-propylitized andesite quartz-epidote veinlets, rusty py crystals, weakly magnetic.
1024F	-garnet-biotite gneiss, with up to 1 cm wide quartz bands.
1025F	-silicified andesite with 1% dissem. py, cut by 1 cm qtz vein with barite & stockworks.
1026F	-volcanic breccia with py in 1-10 mm dark clasts, in light coloured matrix.
1027-30F	-sheared 30 cm dark boulder, propylitized, barite in shears with 1-2% dissem.py, magnetic.
1031F	-rhyolite float, with 2% dissem. py, crystals, & blebs.
1032F	-strongly silicified rock with 1-2 mm py seams on re-sealed fractures.
1033F	-10 cm white calcite vein with quartz, with minor galena, cpy, and boxworks.
1034F	-microdiorite with 2% dissem. py, magnetic.
1035F	-strongly silicified andesite, with 1% dissem. py, cut by 1 cm milky quartz vein.
1036F	-as 1034F, but cut by 1-2 cm. white carbonate veinlets, with pink rhodocrosite.
1037F	-30 cm wide calcite-quartz vein float, with minor blebs of cpy, galena.
1038R JF01R	-similar to 1037F, but completely weathered, has remnant quartz, Mn crust, boxworks.
JF02F	-propylitized, pyritized dark volcanic rock, with minor pyrrhotite. -strongly silicified, cherty boulder, with minor quartz veinlets and py.
JF03F	-silicified andesite, with minor dissem. py, pyrh.
JF04F	-rusty altered porphyritic float with hematite, goethite, jarosite on fractures.
JF05R	-new road o/c, sheared andesite with 2-5% py, pyrh.
JF06R	-altered porphyritic dyke rock, with boxworks.
JF07R	-similar to JF05R, with hematitic fractures.
JF08R JF09F	-strongly sheared andesite, with 3% dissem. py. -similar to JF08R, but more strongly fractured and mineralized with sulfides.
JF10R	-shinter to proore, but more strongly fractured and minicialized with sufficies. -sheared fine-grained dyke rock, with secondary hematite and goethite.
JF11R	• • • • •
JF12R	-strongly altered andesite, with 5-10% dissem. py. -propylitic-altered andesite, with pyrite-coated fractures.
JF12R JF13F	-propynic-antered andesne, with pyric-coated fractures. -andesitic feldspar porphyry boulder.
JF13F JF14R	-andesine relaspar porphyry bounder. -hematite-stained dolomite vein, with boxworks and malachite stain.
JF14R JF15R	-sellicified andesite o/c, with 5% dissem. py and malachite stain.
JF16F	-succine and estic of c, with 5% dissent. py and matacine south. -sheared, silicified and estic, with pyritized fractures and qtz-carb. veinlets w. cpy.
11.10L	-sincaron, sincuren anuesne, with pyrinzen natimes and qiz-caro. venuels w. cpy.



REFERENCES CITED

- Preto, V., BCDMPR G.E.M. 1970: Geology of the Area Between Eakin Ck. and Windy Mtn., p. 307-312
- Tipper, H.W., GSC Bull. 196, Surficial Geology Map 1293A, Bonaparte Lake, B.C.

CERTIFICATE

I, Sam Zastavnikovich, do hereby certify that:

- 1. I am a consulting geochemist with offices at 5063-56th Street, Delta, B.C., V4K 3C3, and am a 1969 graduate of the University of Alberta, with B. Ed. degree in Physical Sciences.
- 2. I have been continuously employed from 1969 to 1982, and seasonally since 1966, by Falconbridge Ltd. of Toronto and Vancouver as field geochemist working in Canada, U.S.A., the Carribean and S. America.
- 3. Since 1982 to present I have continuously practiced as a consulting geochemist in the mineral exploration industry.
- 4. 1 am a Fellow of the Association of Exploration Geochemists.
- 5. I am a member in good standing of the the Association of Professional Engineers and Geoscientists of British Columbia, Canada.
- 6. I have no direct nor indirect interest in the subject properties or the client company.
- 7. This report is based on my own fieldwork, and observations on the property:

ESSIG AOVINCE 8. Zaslavnikavien BRITISH COLUMBIA CHEN Zastavnikovich, P.Geo. Consulting Geochemist

APPENDIX I

Statement of Expenditures

FRI Group Mineral Claims

Fieldwork (Sept 20-25, 1994):

S.Zastavnikovich, geoc	hemist, 5 days @ \$3	50/d	1750.00
J. Barakso, owner/geoc	chemist 4 days @ \$43	50/d	1800.00
Transford Todalas to			400.00
Food and Lodging, 1 m	• -		400.00
Food 1 m	nan, 4 days @ \$30/d		120.00
Transport, 4x4 truck, 5	days @ \$50/d		250.00
fuel, tol			157.18
-	, 980km @ 10c/km		98.00
Field Supplies,			70.00
Analysis:			
41 sediment samples, p	rep @ \$1.25		51.25
54 rock samples, prep (@ \$3.75		202.50
41 sediment samples, H	I.M. @ \$35.00		1435.00
136 analysis for ICP &	fire Au @ \$14.50		1972.00
54 analysis for Ba,tot,	F@\$19.50		1053.00
GST			329.96
Assessment Report:			
•			326.00
Map draughting			
Report writing, reprodu	iction		1250.00
		Total Expenditure <u>\$1</u>	1.264.89

APPENDIX III

Analytical Procedures

APPENDIX III

TELEX: 04-352828

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

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

FIRE GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

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

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

A suitable sample weight 15.00 or 30.00 grams are fire assay preconcentrated.

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

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

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 1 ppb. <u>Analytical Procedure</u> - The samples were analyzed by Min-En Laboratories Ltd. of 705 West 15th St., N.Vanc, as follows:

The stream sediments were oven-dried in their original water-resistant kraft paper bags at 95°C and screened to obtain the minus 80 mesh fraction for analysis. The rock samples were crushed and pulverized in a ceramic-plated pulverizer.

A suitable weight og 5.0 or 10.0 grams is pretreated with HNO3 and HC104 mixture.

After pretreatment the samples are digested with Aqua Regia solution, then taken up with 25% HCl to suitable volume and aliquot used for the 26 element ICP trace element analysis.

From the major remaining portion of the sample, Gold is preconcentrated by standard fire assay methods, then extracted with Methyl Iso-Butyl Ketone and analyzed by Atomic Absorption.

For Mercury analysis, 1 gram of sieved material is sintered at 90°c for 4 hours, then digested in HNO₃ and HCl acids mixture, and analyzed by the Hatch and Ott flameless AA method. APPENDIX IV

Analytical Results

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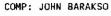
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TEL: (604)980-5814 FAX: (604 AG AL AS B BA BE BI CA CD CO CU FE K L1 MG PM PM | TO5 WEST 15TH ST., NORTH VANCOUVER, B. TEL:(604)980-5814 FAX:(604)980-5814 FAX:(604)980-5814 MAG AL AS TEL:(604)980-5814 FAX:(604)980-5814 FAX:(604)980-5814 PPM PPM | NIMS 705 WEST 15TH ST. NORTH VANCOUVER, B.C. V7 Inakso TEL:(604)980-5814 FAX:(604)980-9621 FAX:(604)980-9621 FAX:(604)980-9621 Inakso TEL:(604)980-5814 FAX:(604)980-5814 FAX:(604)980-9621 Inakso TEL:(604)980-5814 FAX:(604)980-9621 Inakso TEL:(604)980-5814 FAX:(604)980-9621 Inakso TEL:(604)980-5814 FAX:(77) Inakso TEL:(604)980-5814 FAX:(77) Inakso TEL:(604)980-5814 FAX:(77) Inakso TEL:(77) TEL:(77) TEL:(77) Inakso TEL:(77) TEL:(77) TEL:(77) TEL:(77) Inakso TEL:(77) TEL:(77) TEL:(77) TEL:(77) TEL:(77) Inakso TEL:(77) TEL:(77) TEL:(77) TEL:(77) TEL:(77) TEL:(77) Inakso TEL:(77) TEL:(77) TEL:(77) TEL:(77) TEL:(77) TEL:(77) TEL:(77) Inakso TEL:(77) TEL:(77) TEL:(77) TEL:(77) TEL:(77) TEL:(77) TEL:(77) < | 11MS 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 112
TEL: (604)9900-5814 FAX: (604)9900-9621 AG AL AS B BA BE BI CA CD CO CU FE K L1 MG MM MA MI PPM X PPM PPM PPM PPM PPM X PPM PPM X PPM NA MI MI <td< td=""><td>11MS 705 WEST 15TH ST., NORTH VARCOUVER, B.C. V7M 112
TEL:(604)980-5814 PPM A. AS B BA BE BI CA CD CD CD FEL:(604)980-5814 FAX:(604)980-5821 PPM A. PPM PPM</td><td>TOS WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 112 TEL:(604)980-5814 FAX:(604)980-9814 PRM AG AL AS BE BA BE CO CU CO CU CH CO CU CO CU CO CU CO CU CO CO</td><td>TOS MEST 15TM ST., NORTH VARCOUVER, B.C. V7M 112 TEL: (604)980-5814 FAX: (604)980-9814 PM A PPM PPM PPM PPM PPM C CO CU CU CE CO CU CE CE<td>1195 705 MEST 15TH S1., NORTH VARCUMER, B.C. V7M 112 IFL:(604)980-5814 FAC AC AL AS B B B S <th colspan="2" s<="" td=""><td>TOS MEST 15TH ST., NORTH VARCUMER, B.C. V7M 112 TEL:(604)980-5814 FAX:(604)980-9621 TEL:(604)980-5814 FAX:(604)980-961321 TEL:(604)980-961321 TEL:(604)980-961321 TO 2000 1321 22 TO 2000 132 13 <t< td=""><td>TIP IST., MORTH VANCOUVER, B. C. V7N H12 TEL:(604)980-5814 FAX:(604)980-9621 TEL:(604)980-5814 FAX:(604)980-7811 TEL:(604)980-7814 TEL:(604)980-5814 FAX:(604)980-7811 TEL:(604)980-7814 TEL:(604)780 TEL:(</td><td>TO S KEST 15TH ST., NORTH: VARCOUVER, B.C. V/M 112 TEL: 660/980-5814 FAX: (660/980-9621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5817 TO CU CU FK K LI MAG MAG MAG MA MA<</td><td>TO SHEST 15TH ST., NORTH VANCOUVER, B.C. VM 112 TEL:(60/980-9814 FAX:(60/980-9621 FAX:(60/980-9621 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 TEL:(60/980-9814 TEL:(60/980-9814 <th co<="" td=""><td>TO S WEST 15TH ST., NORTH VANCOUVER, B.C. VAN 112 TEL: (600/980-9814 FAR. (600/980-9821 FAR. FAR.</td><td>1185 705 MEST 15TH ST., MORTH VANCOUVER, B.C. VM 112 * sediment File:160(3)900-9621 * sediment * Siging 1 </td></th></td></t<></td></th></td></td></td<> | 11MS 705 WEST 15TH ST., NORTH VARCOUVER, B.C. V7M 112
TEL:(604)980-5814 PPM A. AS B BA BE BI CA CD CD CD FEL:(604)980-5814 FAX:(604)980-5821 PPM A. PPM PPM | TOS WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 112 TEL:(604)980-5814 FAX:(604)980-9814 PRM AG AL AS BE BA BE CO CU CO CU CH CO CU CO CU CO CU CO CU CO CO | TOS MEST 15TM ST., NORTH VARCOUVER, B.C. V7M 112 TEL: (604)980-5814 FAX: (604)980-9814 PM A PPM PPM PPM PPM PPM C CO CU CU CE CO CU CE CE <td>1195 705 MEST 15TH S1., NORTH VARCUMER, B.C. V7M 112 IFL:(604)980-5814 FAC AC AL AS B B B S <th colspan="2" s<="" td=""><td>TOS MEST 15TH ST., NORTH VARCUMER, B.C. V7M 112 TEL:(604)980-5814 FAX:(604)980-9621 TEL:(604)980-5814 FAX:(604)980-961321 TEL:(604)980-961321 TEL:(604)980-961321 TO 2000 1321 22 TO 2000 132 13 <t< td=""><td>TIP IST., MORTH VANCOUVER, B. C. V7N H12 TEL:(604)980-5814 FAX:(604)980-9621 TEL:(604)980-5814 FAX:(604)980-7811 TEL:(604)980-7814 TEL:(604)980-5814 FAX:(604)980-7811 TEL:(604)980-7814 TEL:(604)780 TEL:(</td><td>TO S KEST 15TH ST., NORTH: VARCOUVER, B.C. V/M 112 TEL: 660/980-5814 FAX: (660/980-9621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5817 TO CU CU FK K LI MAG MAG MAG MA MA<</td><td>TO SHEST 15TH ST., NORTH VANCOUVER, B.C. VM 112 TEL:(60/980-9814 FAX:(60/980-9621 FAX:(60/980-9621 TEL:(60/980-9814 FAX:(60/980-9614
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V7N H12 TEL:(604)980-5814 FAX:(604)980-9621 TEL:(604)980-5814 FAX:(604)980-7811 TEL:(604)980-7814 TEL:(604)980-5814 FAX:(604)980-7811 TEL:(604)980-7814 TEL:(604)780 TEL:(</td><td>TO S KEST 15TH ST., NORTH: VARCOUVER, B.C. V/M 112 TEL: 660/980-5814 FAX: (660/980-9621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5817 TO CU CU FK K LI MAG MAG MAG MA MA<</td><td>TO SHEST 15TH ST., NORTH VANCOUVER, B.C. VM 112 TEL:(60/980-9814 FAX:(60/980-9621 FAX:(60/980-9621 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 TEL:(60/980-9814 TEL:(60/980-9814 <th co<="" td=""><td>TO S WEST 15TH ST., NORTH VANCOUVER, B.C. VAN 112 TEL: (600/980-9814 FAR. (600/980-9821 FAR. FAR.</td><td>1185 705 MEST 15TH ST., MORTH VANCOUVER, B.C. VM 112 * sediment File:160(3)900-9621 * sediment * Siging 1 </td></th></td></t<></td></th> | <td>TOS MEST 15TH ST., NORTH VARCUMER, B.C. V7M 112 TEL:(604)980-5814 FAX:(604)980-9621 TEL:(604)980-5814 FAX:(604)980-961321 TEL:(604)980-961321 TEL:(604)980-961321 TO 2000 1321 22 TO 2000 132 13 <t< td=""><td>TIP IST., MORTH VANCOUVER, B. C. V7N H12 TEL:(604)980-5814 FAX:(604)980-9621 TEL:(604)980-5814 FAX:(604)980-7811 TEL:(604)980-7814 TEL:(604)980-5814 FAX:(604)980-7811 TEL:(604)980-7814 TEL:(604)780 TEL:(</td><td>TO S KEST 15TH ST., NORTH: VARCOUVER, B.C. V/M 112 TEL: 660/980-5814 FAX: (660/980-9621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5817 TO CU CU FK K LI MAG MAG MAG MA MA<</td><td>TO SHEST 15TH ST., NORTH VANCOUVER, B.C. VM 112 TEL:(60/980-9814 FAX:(60/980-9621 FAX:(60/980-9621 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 TEL:(60/980-9814 TEL:(60/980-9814 <th co<="" td=""><td>TO S WEST 15TH ST., NORTH VANCOUVER, B.C. VAN 112 TEL: (600/980-9814 FAR. (600/980-9821 FAR. FAR.</td><td>1185 705 MEST 15TH ST., MORTH VANCOUVER, B.C. VM 112 * sediment File:160(3)900-9621 * sediment * Siging 1 </td></th></td></t<></td> | | TOS MEST 15TH ST., NORTH VARCUMER, B.C. V7M 112 TEL:(604)980-5814 FAX:(604)980-9621 TEL:(604)980-5814 FAX:(604)980-961321 TEL:(604)980-961321 TEL:(604)980-961321 TO 2000 1321 22 TO 2000 132 13 TO 2000 132 13 <t< td=""><td>TIP IST., MORTH VANCOUVER, B. C. V7N H12 TEL:(604)980-5814 FAX:(604)980-9621 TEL:(604)980-5814 FAX:(604)980-7811 TEL:(604)980-7814 TEL:(604)980-5814 FAX:(604)980-7811 TEL:(604)980-7814 TEL:(604)780 TEL:(</td><td>TO S KEST 15TH ST., NORTH: VARCOUVER, B.C. V/M 112 TEL: 660/980-5814 FAX: (660/980-9621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5817 TO CU CU FK K LI MAG MAG MAG MA MA<</td><td>TO SHEST 15TH ST., NORTH VANCOUVER, B.C. VM 112 TEL:(60/980-9814 FAX:(60/980-9621 FAX:(60/980-9621 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 TEL:(60/980-9814 TEL:(60/980-9814 <th co<="" td=""><td>TO S WEST 15TH ST., NORTH VANCOUVER, B.C. VAN 112 TEL: (600/980-9814 FAR. (600/980-9821 FAR. FAR.</td><td>1185 705 MEST 15TH ST., MORTH VANCOUVER, B.C. VM 112 * sediment File:160(3)900-9621 * sediment * Siging 1 </td></th></td></t<> | TIP IST., MORTH VANCOUVER, B. C. V7N H12 TEL:(604)980-5814 FAX:(604)980-9621 TEL:(604)980-5814 FAX:(604)980-7811 TEL:(604)980-7814 TEL:(604)980-5814 FAX:(604)980-7811 TEL:(604)980-7814 TEL:(604)780 TEL:(| TO S KEST 15TH ST., NORTH: VARCOUVER, B.C. V/M 112 TEL: 660/980-5814 FAX: (660/980-9621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5814 FAX: (660/980-79621 TEL: 660/980-5817 TO CU CU FK K LI MAG MAG MAG MA MA< | TO SHEST 15TH ST., NORTH VANCOUVER, B.C. VM 112 TEL:(60/980-9814 FAX:(60/980-9621 FAX:(60/980-9621 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 FAX:(60/980-9614 TEL:(60/980-9814 TEL:(60/980-9814 TEL:(60/980-9814 <th co<="" td=""><td>TO S WEST 15TH ST., NORTH VANCOUVER, B.C. VAN 112 TEL: (600/980-9814 FAR. (600/980-9821 FAR. FAR.</td><td>1185 705 MEST 15TH ST., MORTH VANCOUVER, B.C. VM 112 * sediment File:160(3)900-9621 * sediment * Siging 1 </td></th> | <td>TO S WEST 15TH ST., NORTH VANCOUVER, B.C. VAN 112 TEL: (600/980-9814 FAR. (600/980-9821 FAR. FAR.</td> <td>1185 705 MEST 15TH ST., MORTH VANCOUVER, B.C. VM 112 * sediment File:160(3)900-9621 * sediment * Siging 1 </td> | TO S WEST 15TH ST., NORTH VANCOUVER, B.C. VAN 112 TEL: (600/980-9814 FAR. (600/980-9821 FAR. FAR. | 1185 705 MEST 15TH ST., MORTH VANCOUVER, B.C. VM 112 * sediment File:160(3)900-9621 * sediment * Siging 1 * Siging 1 |

PROJ: FRI CLAIMS 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 DA ATTN: John Barakso TEL:(604)980-5814 FAX:(604)980-9621 * H.M. separation * SAMPLE AG AL AS B BA BE BI CA CD CO CU FE K LI MG MN NA NI P PB SB SR TH TI V V CA SN H NUMBER PPM	14 53 41 30 25 63 80 105 57 10 51 105 51 506
PROJ: FRI CLAIMS 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 DA ATTN: John Barakso TEL:(604)980-5814 FAX:(604)980-9621 * H.M. separation * SAMPLE AG AL AS B B B B B B CA CD CU FE K LI MO NA NI PPM PPM <td>TE: 94/11/03 (ACT:F31) CR Au-Fire PM PPB 14 53 41 30 P5 63 80 105 57 10 51 105 51 506</td>	TE: 94/11/03 (ACT:F31) CR Au-Fire PM PPB 14 53 41 30 P5 63 80 105 57 10 51 105 51 506
ATTN: John Barakso TEL:(604)980-5814 FAX:(604)980-9621 * H.M. separation * SAMPLE AG AL AS B BA BE BI CA CD CO CU FE K LI MG MN NA NI P PB SB SR TH TI V V CA SN H NUMBER PPM Y PPM PPM PPM Y PPM PPM Y Y Y PPM Y Y PPM Y PPM PPM <th>(ACT:F31) CR Au-Fire PM PPB 14 53 41 30 25 63 80 105 57 10 51 105 51 506</th>	(ACT:F31) CR Au-Fire PM PPB 14 53 41 30 25 63 80 105 57 10 51 105 51 506
NUMBER PPM X PPM PPM Y PPM PPM Y PPM PPM Y PPM PPM Y PPM	PM PPB 14 53 41 30 95 63 80 105 57 10 51 105
SZ120 4.0 .49 36 1 64 1.3 16 1.84 .1 10 67 5.42 .10 15 .62 1014 5 .02 57 470 47 11 39 1 .14 226.7 333 1 1 8 SZ121 1.1 .39 89 1 19 1.2 17 .84 .1 10 48 4.38 .09 14 .61 372 3 .02 34 460 43 7 97 1 .18 174 3 6 1 1 7	41 30 95 63 80 105 57 10 51 105 51 506
sz120 4.0 .49 36 1 64 1.3 16 1.84 .1 10 67 5.42 .10 15 .62 1014 5 .02 57 470 47 11 39 1 .14 226.7 333 1 1 8 sz121 1.1 .39 89 1 19 1.2 17 .84 .1 10 48 4.38 .09 14 .61 372 3 .02 34 460 43 7 97 1 .18 174.3 36 1 1 7	51 506 L
SZ123 1.0 .47 1 1 1.7 14 .72 .1 7 21 2.69 .07 16 .75 275 2 .02 23 550 29 9 160 1 16 114.3 34 2 1 6 SZ124 1.2 .65 1 1 27 1.2 19 .98 .1 10 32 4.85 .09 9 .97 366 2 .04 19 150 29 13 389 1 .20 177.8 40 1 1 5	87 37 53 59 6 45
SZ125 1.6 .79 1 1 22 1.0 25 .89 .1 12 43 4.41 .03 12 1.30 456 6 .01 20 210 39 16 452 1 .30 202.5 54 1 1 7 SZ126 1.1 .59 1 1 41 .7 16 .86 .1 8 20 2.69 .04 9 .98 474 2 .01 23 500 21 12 296 1 .20 113.0 39 2 1 6 SZ127 1.2 .58 1 1 24 .8 16 .70 .1 8 24 3.01 .03 8 .90 299 3 .01 27 380 19 12 220 1 .9 15 .8 .1 .7 .7 .8 .1 .7 .7 .8 .1 .7 .7 .8 .8 .9 .9 .9 .9 .9 .9<	20 13 49 16 74 102 40 18 58 62
SZ130 1.2 .47 1 1 23 .6 17 .59 .1 8 27 3.29 .04 8 .68 278 1 .01 26 490 16 8 167 1 .20 135.0 40 1 1 8 SZ131 1.1 .52 1 1 15 .6 15 .97 .1 7 20 2.57 .03 7 .69 278 2 .01 21 740 21 10 275 1 18 108.9 36 2 1 6 SZ132 1.1 .62 1 1 25 .1 9 22 3.84 .07 10 .81 671 2.01 28 570 24 12 158.6 41 1 8 SZ133 .2 .39 1 1 45 .17 .1 9 24 3.19 .05 10 .50 993 7 .01 28 870 17 1.01 17	70 33 8 44 70 4 3 35 3 14
sz135 .7 .31 1 1 13 .4 10 .65 .1 4 19 1.69 .04 11 .39 224 1 .01 15 210 18 6 109 1 .11 81.5 21 1 1 4 4 19 1.69 .04 11 .39 224 1 .01 15 210 18 6 109 1 .11 81.5 21 1 1 4 4 8 .55 .1 4 20 1.51 .04 12 .40 202 1 .02 14 210 19 5 85 1 .10 69.6 17 2 1 3 3 .21 170 13 12 279 1 .61 100.9 2 4 15 .52 1 1 23 .6 16 .92 .1 6 38 2.24 .04 12 .66 248 2 .01 18 16 100.9 24 2	28 10 28 8 36 1 35 7
sz140 .9 .50 59 1 31 1.4 16 .56 .1 23 205 5.79 .06 9 .85 453 3 .01 50 710 29 11 202 1 13 97.0 66 1 1 6 sz141 2.5 .54 1 1 26 1.3 28 .65 .1 15 42 5.74 .03 7 .79 565 2 .01 49 730 271 12 77 8 .25 145 .09 1 1 6 92 1 1 6 92 1 1 6 92 1 1 6 92 1 1 6 92 1 1 6 92 1 1 6 9 1 1 97.0 66 1 1 6 92 1 1 6 9 1 1 6 9 1 1 6 9 1 1 1 1 1 <td< td=""><td>1 57 3 3</td></td<>	1 57 3 3
ATTN: John Barakso TEL:(604)980-5814 FAX:(604)980-9621 • heavy minerals *	(ACT:F31)
NUMBER PPM X PPM PPM PPM PPM X PPM PPM PPM PPM	
sz102 1.7 .81 5 1 122 .1 16 1.20 .1 13 79 4.11 .15 19 .77 411 3 .02 17 350 106 1 18 91 .16 148.1 37 30 1 9 sz103 .1 .96 1 1 117 .1 19 1.98 .1 19 54 5.78 .11 15 .62 2768 7 .01 48 520 23 1 23 82 .22 220.3 57 40 1 10 sz104 1.6 1.22 3 1 21 .1 14 1.28 .1 11 34 2.76 .04 10 .76 472 3 .02 12 630 22 5 115 78 .19 114.3 32 26 1 12 sz105 2.1 1.23 1 1 77 .1 25 594 5.68 .11 13 .76 <t< th=""><th>99 63 65 15 61 13 55 13 85 1610</th></t<>	99 63 65 15 61 13 55 13 85 1610
sz108 1.8 1.06 7 1 76 .1 17 1.80 .1 18 79 5.15 .20 21 .82 581 4 .02 25 730 24 2 34 110 .21 197.9 46 35 1 11 sz109 1.5 1.03 1 18 12 1.99 .1 20 98 7.81 .09 13 .56 781 1 .01 12 490 3 1 29 108 .30 273.4 53 41 1 12 sz110 1.2 .86 1 10 113 .1 16 1.46 .09 .15 21 .65 540 1 .02 19 460 20 1 22 97 .20 222.6 41 34 1 10	13 64 54 18 33 50 57 11 55 1
SZ111 1.8 .31 1 21 881 .1 21 .44 .1 71 559 14.79 .10 19 .23 726 13 .01 109 10 79 1 1 141 .07 404.0 71 57 1 23 726 13 .01 109 10 79 1 1 141 .07 404.0 71 57 1 23 726 13 .01 109 10 79 1 1 141 .07 404.0 71 57 1 23 726 13 .01 109 10 79 1 1 141 .07 404.0 71 57 1 23 726 13 .02 24 680 28 1 54 >1000 .23 280.0 68 45 1 14 1 53 105 11 10 15 30 20 1 53 100 .24 193.7 40 29 19 19 11 1.1	57 14



PROJ: FRI CLAIMS

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 TEL: (604)980-5814 FAX: (604)980-9621 FILE NO: 4V-1072-RJ1+2

DATE: 94/10/25

* rock • (ACT:F31)

ATTN: John Ba	rakso										TEL:((604)	980-58	814	FAX:	(604)	80-96	521											* roc	k •	(ACT:F31)
SAMPLE	AG PPM	AL %	AS PPM	B PPM	BA PPM	BE PPM	B1 PPM	CA X		CO PPM	CU PPM	FE X	K X	LI			MO	NA 2	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	T1 %	V PPM	ZN PPM F		SN Pm PP		Au-Fire PPB
1011 F 1012 F 1013 F 1014 F 1014 F 1015 F	.1 .1 .1 1.4 .1	.02 .09 .03 .03 .05	1 16 40 179	1 1 1 1	88 541 10 3428 1676	.1 .2 .1 .5 3.2	1 1 7 7	.02 .08 .03 2.79 2.98	.1 .1 .1	1 2 1 2 7	7 11 6 29 47	.20 .61 .44 .56 2.85	.03 .12 .02 .02 .02	1	.01 .04 .03 .11	102 27 936	1 1 36 9	.01 .05 .01 .01	i 6 3 12	10 90 10 60 80	2	1 1 3 2	35 282 2 427 465	1 1 1	.01 .01 .01 .01 .01	3.8 51.2 2.4 20.3 91.2	6 12 4 72 99	1 1 1 1	1	7 143 4 67 8 175 6 121 6 85	2 4 1 14 4
1016 F 1017 F 1018 F 1019 F 1020 F	13.4 8.0 .3 2.0 3.2	.59 .03 .02 .28 .03	347 1 107 607	1 1 1 1	273 1230 130 217 490	3.8 .6 .1 1.4 1.5	45 18 14 13	2.09 .60 .11 1.30 11.06	.1 .1 .1	13 2 1 8 4	170 17 360	3.73 .49 .22 2.61 1.84	1.32 .03 .03 .60 .03		3.04 .05 .02 1.03 2.01	705 84 441 1987	4 10 4 9 4	.05 .01 .01 .04 .04	13 5 18	870 50 10 870 220		18 1 4 14	123 103 23 120 1	1 1 1	.01 .01 .19	120.2 15.7 4.1 107.5 100.5	133 12 6 42 50	1 1 1 2	1 1 1	9 120 6 123 8 179 7 79 6 52	9 2 1 4 3
1021 R 1022 R 1023 R 1024 F 1025 F		.50 1.41 1.16 .87 .44	1 1 1 14	1111	142 60 119 270 1222	.3 1.6 1.4 1.2 1.0	16 37 24 20 7	.98 1.86 1.49 .73 .60	-1	7 26 15 10 8	157 26 16	6.87	.15 .23 .28 .61 .21	13 16 28	2.41	997 557 492	1 1 3 1 4	03. 19 06. 04 .04	25 5 19 5 14 10	1210 320 1370 880 710	21 28 25 19 24	8 28 25 17 9	259 537 680 176 151	1 1 1	.35 .29 .08	171.4 53.7 32.0	24 108 55 61 37	1 1 1 3	1	4 30 0 26 8 43 7 80 8 129	1 3 1 1 4
1026 F 1027 F 1028 F 1029 F 1030 F		.97 .86 .73 1.06 1.09	1 1 1 1	1 1 1 1	49 84 78 78 93	1.7 1.6 1.4 1.8 1.8	18 18 16 20 19	1.20 1.48 1.30 1.49 1.76	.1 .1 .1	14 11 10 13 14	50 48 75 60	4.23 3.75 5.04 4.98	.06 .08 .09 .11 .10	12 10 15	2.61	594 462 731 902	2 2 2 2 1	.03 .06 .06 .06	26 22 35 37	1130 1220 1150 1510 1390	24 25 23 28 30	18 18 15 24 24	51 145 106 165 191	1 1 1	.24 .23 .26 .26	158.4 146.2 116.0 184.4 181.4	54 55 64 66	1 2 1 1	1	8 71 7 53 5 34 8 55 9 81	2 64 5 2
1031 F 1032 F 1033 F 1034 F 1035 F	1.8 1.4 31.7 1.9 .3	.27 .06 .05 1.01 .07	1 186 39 1 12	1 1 1 96	25 601 255 79 184	.4 .9 .3 1.7 .5	14 5 50 20 4	.75 1.57 5.22 1.43 .52	.1 .1 .1	5 5 1 14 3	216 262 59 297	.37 5.75 .82	.06 .12 .01 .03 .20	13 13 5	.37 .06 1.76	186 791 810 323	1 43 19 1 8	.04 .01 .01 .02	30 6 38 14	640 1580 210 1130 650	13 22 1949 36 139	20 1	151 247 1266 41 103	1 1 1	.01	33.1 61.5 6.9 231.0 15.8	6 27 6 86 11	1 1 1 1	1 1	4 42 4 66 3 69 2 117 5 100	3 13 15 1 2
1036 F 1037 F 1038 R JF-1R JF-2F	1.5 26.5 7.8 .9 .5	.08 .02 .34 1.27 .10	304 112 1 286	128 82 81 1 1	446 255 134 118 265	.9 .1 .7 1.5 1.3	9 46 20 16 5	>15.00 11.00 .37 1.85 1.80	.1	4 1 15 10	86	2.28 .36 1.22 5.62 3.47	.17 .01 .06 .13 .13	12 1 9 15 4	.04 .24 2.48	746 1747 1046 239	42946	.01 .01 .01 .03 .05	5 43 24 38	400 140 380 1770 1010	53 1339 551 58 21		3061 1162 78 146 135	1	.01 .01 .17	133.6 5.7 25.5 145.8 121.7	13 4 23 48 16	2 3 1 1	1	7 44 3 56 8 144 7 29 8 112	1 12 16 2 44
JF- 36- JF-4F JF-5R JF-6R JF-7R	1.8 3.2 .1 .1 .1	.12 .02 .78 .40 1.03	121 954 1 60 1	1 1 1 1	47 98 69 57 62	1.2 2.5 1.3 1.8 1.5	10 17 6 5 7	2.87 5.22 1.79 .22 2.08	.1	9 5 11 20 9	72 14 85	2.88 2.14 3.82 6.84 4.06	.07 .02 .14 .14 .12	5		626 799	7 1 3 24 4	.02 .01 .03 .03	31 16 22 20	890 160 1870 740 1320	59 177 30 27 37	1 7 14 6 21	524 325 99 113 265	1 3 1	.07 .01 .01 .01 .01		48 55 35 27 150	1 2 1 2	1	5 58 1 52 4 27 4 49 7 50	14 5 6 33 4
JF-8R JF-9F JF-10R JF-11R JF-12R	.1 .6 1.5 1.5 .6	.85 .07 .71 .64 .71	1 718 37 83 1	1 1 1 1	111 107 31 18 59	1.2 1.7 1.0 1.0 1.1	13 5 20 19 14	2.28 3.65 .79 2.93 1.50	-1 -1 -1	11 6 20 16 13	76 114 152	3.47 3.11 5.50 4.74 3.96	. 15 .07 .08 .08 .12	4 11 9	1.80	1195 379 1011	3 10 2 4 4	.02 .02 .02 .02 .02	45 36 40	2010 810 680 780 1650	39 31 25 32 22	16 7 11 11 11	194 637 168 100 331	1 1 1	.26 .24	66.8 122.0 137.0 146.8 108.7	107 279 60 82 70	1 1 1 1	1	5 27 6 81 8 57 8 57 7 57	3 53 5 2 2 2
JF-13F JF-14R JF-15R JF-16F	.1 4.4 7.2 1.6	1.44 .03 .20 .31	1 241 136 708	1 1 1	63 726 216 161	1.4 .8 1.4 1.9	6 11 12 9	2.83 .82 1.78 2.99	. 1	14 3 21 12	148 1981	3.98 2.05 3.99 4.99	.14 .05 .32 .75	1 15	_51 3.21	1275 479 882	4 12 39	.04 .01 .03 .01	23 27	590 370 1310 1150	40 478 55 43	29 3 5 10	288 187 126 292	1	.01 .01 .10 .04	88.7 97.7 104.4 94.5	54 33 117 74	1 1 1	1 1 1 1	5 16 0 165 5 49 7 106	4 415 19 424
ATTN: John Bai	rakso AG	AL	AS	В	BA	BE	BI	CA	CD	со	TEL:		980-5	814 LI	FAX	:(604) MN	980-9 MO	621 NA	NI	P	PB	SB	SR	TH	11	v	ZN	GA	* ro	ck * ₩ CR	(ACT:F31) Au-Fire
NUMBER	PPM	2.40	<u>РРМ</u> 1	<u>PPM</u>	 16	PPM 1	PPM	<u>%</u> 1.42			PPM	FE % .85	<u>%</u> .08	PPM	% 2.10	PPM	PPM	.06	PPM	PPM 1520	PPM	PPM 6	PPM 107		<u>×</u> .31		PPM			PM PPM	I PPB
1001 1002 1003 1004 1004 1005	.2	2.40 1.49 2.08 .09 .36	1 6 39 39	1 1 14	41 25 266 1421	.1 .2 .5 1.4	16 18 20	1.84 1.07 3.67 6.53	.1 .1 .1	14 26 1 20 14 23 1	39 4 64 4 91 3 13 4	.46 .90 .63 .58	.15 .30 .11 .26	20 '	.67 1.54 2.38	415 911 659 1397	7	.05 .04 .01 .02	1	1940 1560 580 960	26 10 23 121 79	1 5 2 4	181 47 75 121	67 88 95	.30 .28 .01	91.3 82.0 98.3 171.4	- 34	13 24 29 42		8 36 5 25 6 23 11 104 11 106	29 16
1006 R 1007 R 1008 R 1008 R 1005 F 1010 F	1.0 1.4 .1 .2	.09 .11 .19 .55 .09	38 40 36 12 16	1 1 1 1	1146 869 1179 367 4957	.4 .5 .8 .3	20 10	3.71 4.29 7.02 3.99 .73	.1 .1 .1 .1 .1	31	565 2 93 3 39 4 11 6 12 1	.90 .80	.11 .14 .14 .35 .05	4 2		642 773 2295 1589 597	6 2 1	.01 .01 .02 .02 .02	19 27 91 1 20	550 920 860 740 540	110 94 47 35 10	7 3 2 1 1	64 87 223 57 33		.01 .01 .01 .05 .01	73.0 92.3 56.1 188.3 11.9	48 64 84 66 43	25 33 44 28 9	1 1 1 1	8 107 8 75 12 161 7 17 9 174	26 5 644





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Geochemical Analysis Certificate

JOHN BARAKSO Company:

Date: OCT-25-94

FRI CLAIMS Project: John Barakso Attn:

copy 1. John Barakso, Vancouver, B.C.

We hereby certify the following Geochemical Analysis of 24 rock samples submitted OCT-18-94 by J. Barakso.

Sample Number	Total Ba PPM	F PPM	Sample Number	Ba-Total PFM	F PPM
1011 F	124	90	1001 🔍	501	1060
1012 F	878	100	1002 R	1100	810
1013 F	19	120	1003 F	412	820
1014 F	>10000	80	1004 R	2460	350
1015 F	2380	120	1005 F	1590	1080
1016 F	1270	1980	1 006 R	1150	530
1017 F	1450	200	1 007 R	966	410
1018 F	173	110	1008 R	1220	500
1019 F	1010	600	1009 F	502	830
1020 F	736	190	1010 F	4980	200
1021 R	1440	430			
1022 R	170	370			
1023 R	575	410			
1024 F	488	310			
1025 F	2250	330			
1026 F	554	420			
1027 F	1360	260			
1028 F	1070	300			
1029 F	1370	390			
1030 F	1430	350			
1031 F	744	280			
1032 F	1480	300			
1033 F	348	170			
1034 F	895	230			



Certified by

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Attn:



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Geochemical Analysis Certificate

Company: JOHN BARAKSO Project: FRI CLAIMS

John Barakso

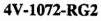
Date: OCT-25-94 copy 1. John Barakso, Vancouver, B.C.

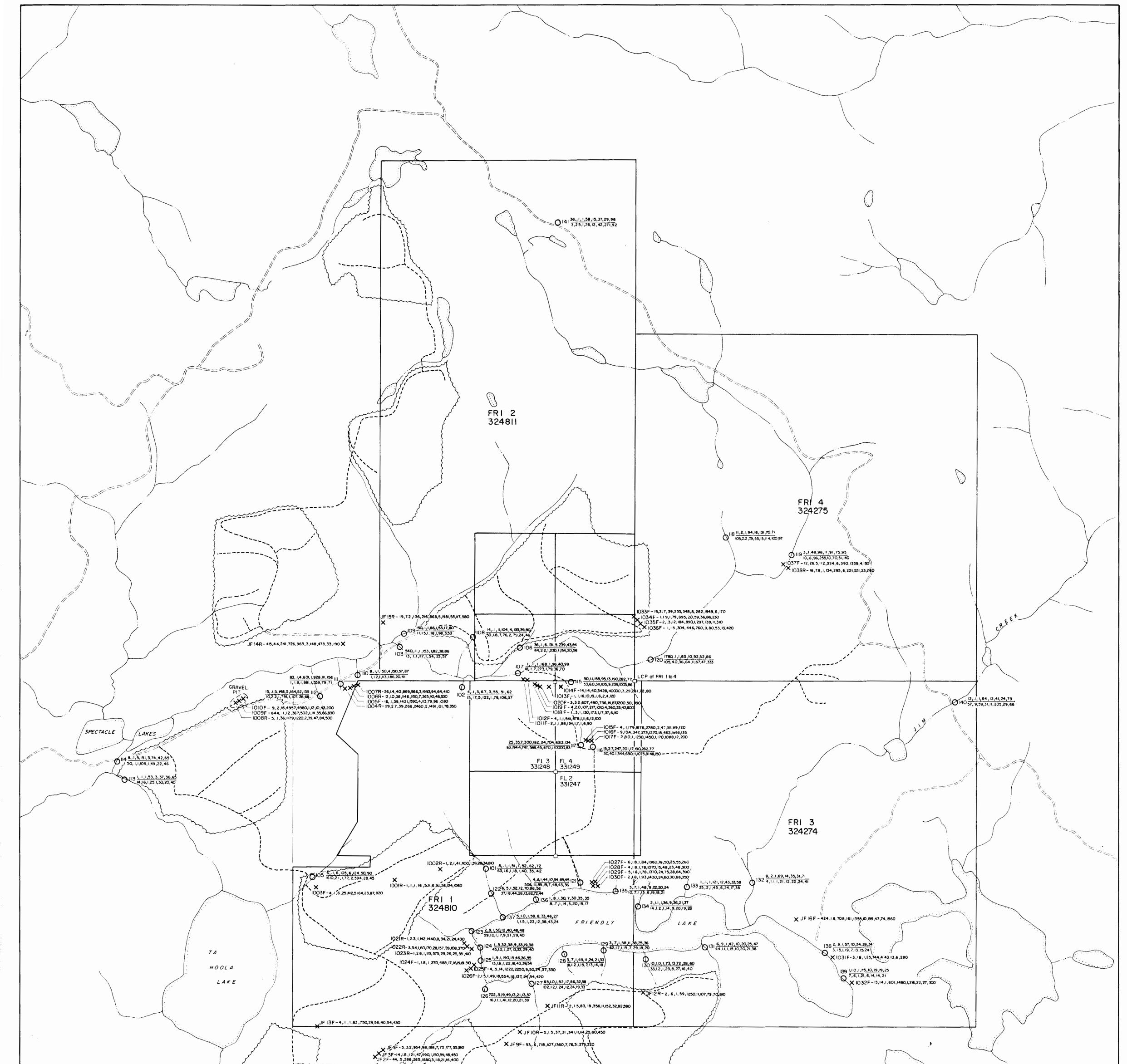
We hereby certify the following Geochemical Analysis of 20 rock samples submitted OCT-18-94 by J. Barakso.

Sample Number	Total Ba PPM	F P FM	
1035 F	890	310	
1036 F	760	420	
1037 F	324	150	
1038 R	295	260	
JF-1R	735	490	
JF-2F	1880	400	
JF-3L	1190	450	
JF-4F	186	1 80	
JF-5R	588	460	
JF-6R	390	230	
JF-7R	505	500	•••••••••••••••••••••••••••••••••••••••
JF-8R	533	560	
JF-9F	1360	320	
JF-10R	341	450	
JF-11R	356	590	
JF-12R	1250	810	
JF-13F	750	430	
JF-14R	963	190	
JF-15R	868	580	
JF-16F	1355	1560	

Certified by

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	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	X JF8R - 3, 1, 1, 111, 533, 16, 53, 39, 107, 560 JF7R- 4, 1, 1, 62, 505, 21, 284, 37, 150, 500 7, 390, 6, 85, 27, 27, 230	
	\searrow		ELECTRUM RESOURCES CORPORATION FRI CLAIMS
GEOLOGICAL BRANCH ASSESSMENT REPORT 23,946	 Sediment sample location & N^Q. X 1021R Rock sample location & N^Q. (R = bedrock, F= float) Sediment Sample N^Q. <u>-80Mesh : Au ppb, Ag, As, Ba, Sb, Cu, Pb, Zn (ppm)</u> Heavy mins.: Au ppb, Ag, As, Ba, Sb, Cu, Pb, Zn (ppm) Rock Sample N^Q80Mesh : Au ppb, Ag, As, Ba, BaTOT, Sb, Cu, Pb, Zn, F 	Logging road Logged block Creek Lake Claim post - LCP=Legal corner post	GEOCHEMICAL RECONNAISSANCE MAP STREAM SEDIMENT + ROCK SAMPLE LOCATIONS & RESULTS FRIENDLY LAKES AREA N.T.S. 92 P-9W. KAMLOOPS M.D., B.C. 0 100 200 500 IOOOMETRES SCALE 1: 10,000 DATE: JUNE 19:95 DRAWN BY: S.Z. FIGURE Nº 4

CHONG