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REPORT ON
 GEOCHEMICAL SOIL SAMPLING, TRENCHING AND
 DIAMOND DRILLING

MINTO CLAIMS
 GOLDBRIDGE AREA, LILLOOET MINING DIVISION
 BRITISH COLUMBIA

Latitude: 50°53'N

Longitude: 122°45'W

N.T.S.: 92-J-15

for

SUB-RECORDER
 RECEIVED
 SEP 14 1988
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 VANCOUVER, B.C.

AVINO MINES AND RESOURCES LTD.
 Suite 100 - 455 Granville Street
 Vancouver, B.C. V6C 1T1

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Vancouver, B.C.
 30 August 1988

GEOLOGICAL BRANCH
 ASSESSMENT REPORT
 CHAS. A. Sampson, P. Eng.
 Consulting Geologist

17.790

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SUMMARY AND CONCLUSIONS

The geochemical soil sampling and follow-up trenching programme done by Avino Mines and Resources on the Minto property in 1987 located 5 mineralized zones – the Winter, Rainbow, View, Ponderosa and Minto North – two of which, the Winter and Minto North, contain ore grade gold values.

During early 1988, Avino Mines and Resources did further geochemical soil sampling on the western half of the Minto property which located significant antimony and arsenic anomalies with associated gold and silver values (in soils). A follow-up trenching programme in this area (the Jumper) discovered stibnite and arsenopyrite bearing shear zones with gold and silver values, which were exposed by 9 trenches and seven road cuts. A series of 1 m. chip samples taken across the mineralized shears gave assay values as high as 0.349 oz/ton gold.

In late June - early July, Avino drilled 9 NQ diamond holes totalling 800 m. of which holes 88-1 to 88-7 explored the Minto North and 88-8 and 88-9 explored the Winter zones.

Principal gold values intersected by the drill holes on the Minto North zone were as follows:

| <u>Hole No.</u> | <u>Depth (metres)</u> | <u>Gold (oz/ton)</u> |
|-----------------|-----------------------|----------------------|
| 88-2 | 72.55-70.90 (0.35m) | 0.548 |
| 88-4 | 27.73-27.98 (0.20m) | 1.073 |
| | 27.93-28.93 (1.0m) | 0.338 |
| | 28.93-29.93 (1.0m) | 0.174 |
| | 29.93-30.93 (1.0m) | 0.128 |
| | 3.2m (10.5ft) | 0.266 |
| | 36.93-37.93 (1.0m) | 0.111 |
| 88-5 | 69.49-70.19 (0.70m) | 0.361 |
| 88-6 | 69.7-70.7 (1.0m) | 0.100 |
| | 82.90-83.40 (0.50m) | 0.193 |

Holes 88-8 and 88-9 were drilled to investigate gold values which had been located in trenches TR3 and TR4 on the Winter zone. This is a zone approximately 400 metres east of and sub-parallel with the main Minto ore body. Both holes intersected mineralization, in particular hole 88-8 intersected 35.56-35.91 (0.35m), 0.258 oz/ton Au, 38.1 ppm Ag, 5211 ppm Pb, 13990 ppm Zn. Hole 88-9 also intersected a mineralized zone, but gold values were lower at 0.034 and 0.046 oz/ton.

It seems probable that the Minto North zone represents the northern extension of the original Minto ore body. The Winter zone carries ore grade gold values but has so far shown only narrow widths (generally less than one metre). Both it and the Jumper Zone are targets for exploratory drilling, but neither of these zones has so far shown the widths and grades encountered at the Minto North zone.

RECOMMENDATIONS AND COST ESTIMATES

Further exploration of the Winter and Jumper zones should consist of short exploratory drill holes. Five, 200 ft., holes would indicate widths and continuity of mineralization at Jumper. Holes would need to be longer at Winter zone due to the steep topography - 5, 300 ft., holes. The Minto North shows greater widths and higher grades than the other zones and should therefore be further explored by more extensive trenching, and drilling (both shallow holes along strike and deeper holes searching for downdip extensions of recent intersections).

Cost estimates would be as follows:

1. Trenching

| | |
|--|--------------|
| Backhoe Rental: 15 days at \$1,000/day | \$15,000 |
| Analyses: 500 at \$12 each | 6,000 |
| Supervision, report preparation, accommodation | <u>9,000</u> |
| | \$30,000 |

2. Diamond Drilling:

| | |
|---|------------------|
| 7,500 ft. at \$22/ft. NQ core | \$165,000 |
| Analyses and assays 750 at \$20 ea. | 15,000 |
| Supervision, Report Preparation, Accommodation, etc | <u>40,000</u> |
| | \$220,000 |
| TOTAL: | <u>\$250,000</u> |

INTRODUCTION

During 1987, Avino Mines and Resources did programmes of geochemical soil sampling, geological mapping and trenching on the Minto property near Goldbridge, B.C. (Report by Christoffersen, January 1988). Thus exploration both extended previously known mineral zones and discovered new ones. Designated the Ponderosa, Winter, Rainbow, View and Minto North zones, they consist of shear zones up to 2-3 m. wide containing quartz veining, massive stibnite, arsenopyrite, galena, sphalerite, chalcopyrite and pyrite. The 1987 trenching programmes showed that all of the zones carry silver values and two of them - Minto North and Winter - contained significant gold values (0.149 oz/ton Au over 4.3 m. in Trench MT10 on Minto North and 0.122 oz/ton Au over 1.5 m. in Trench TR4 and 0.101 oz/ton Au over 1.25 m. in Trench TR3 on the Winter Zone).

The 5 mineral zones are spatially separated and distinct from the original Minto ore body that was mined from 1934-1937. The Minto North zone shows similar mineralogy to the Minto body, however, and probably represents the north extension of the ore body.

This report details results of further exploration principally trenching and drilling done in 1988 to follow up the encouraging results of 1987.

LOCATION, ACCESS, TOPOGRAPHY

The Minto property is situated in the Bralorne gold camp, about 160 kilometers (100 miles) by air north of Vancouver (Figure 1). The claims are centered on lat. 50°53'N, long. 122°45'W, occupying the lake bed and north flank of Carpenter Lake (Figure 2). The closest town is Gold Bridge, about 10 kilometers west of both claim groups. Access from Gold Bridge to the Minto is made via all-weather gravel road, skirting the north shore of Carpenter Lake. A network of bush-roads gives access to all parts of the property.

Gold Bridge itself can be reached from Vancouver via Hope and Lillooet, a distance of 445 km, or via Pemberton using the four-wheel-drive Hurley Pass route, a distance of 225 km.

The terrain is rugged, typical of the eastern margin of the Coast Range mountains. The claim group ranges in elevation from 650 meters (2130 ft.) on Carpenter Lake to a maximum of 1020 m. (3350 ft.).

Generally, the property is sparsely forested especially on south facing slopes.

The climate of the Bridge River District is transitional between the humid coastal belt and more arid interior plateau. Hence annual precipitation is modest, a significant proportion of which falls as snow in the winter. Summers tend to be agreeably warm to hot depending on altitude and winter is moderately cold.

CLAIM DETAILS

The property is situated in the Lillooet Mining Division. Claims are shown in Figure 2. The Minto claims comprise 19 units - eight crown grants and ten reverted crown grants and one located mineral claim as listed in Table 1.

| <u>Name</u> | <u>Type</u> | <u>Record</u> | <u>Lot</u> | <u>Expiry Date</u> |
|-----------------|-------------|---------------|------------|--------------------|
| Omega | CG | | 5600 | 31 Dec. 88 |
| Omega 1 | CG | | 5601 | 31 Dec. 88 |
| Omega 2 | CG | | 5602 | 31 Dec. 88 |
| Omega 3 | CG | | 5603 | 31 Dec. 88 |
| Omega 4 | CG | | 5604 | 31 Dec. 88 |
| Alpha Fr. | CG | | 5719 | 31 Dec. 88 |
| Jack Fr. | CG | | 7078 | 31 Dec. 88 |
| Golden Girl | CG | | 3660 | 31 Dec. 88 |
| Hillside Ext. 1 | RCG | 2933 | 3661 | 26 Jul. 96 |
| Hillside Ext. 2 | RCG | 2967 | 3662 | 27 Aug. 96 |
| Minto Fr. | RCG | 2968 | 3664 | 27 Aug. 96 |
| Prince | RCG | 2970 | 3665 | 27 Aug. 96 |
| Frank Fr. | RCG | 2970 | 3666 | 27 Aug. 96 |
| Hagmo | RCG | 2971 | 3667 | 27 Aug. 96 |
| Ex Fr. | RCG | 2972 | 3670 | 27 Aug. 96 |
| Ome Fr. | RCG | 2973 | 5718 | 27 Aug. 96 |
| Golden Queen | RCG | 3542 | 6323 | 15 Jul. 96 |
| Helm Fr. | RCG | 3543 | 6328 | 15 Jul. 96 |
| Jumper | LMC | 3509 | | 29 Jul. 96 |

CG = Crown Grant
 RCG = Reverted Crown Grant
 LMC = Located Mineral Claim

HISTORY OF AREA

The Minto claims are located in the famous Bridge River - Bralorne gold camp (Figure 3). Gold production since the latter part of the 19th century from the district amounts to over four million ounces, largely from the Bralorne - Pioneer mines, but also from the Whynot, Arizona, Wayside, Minto, Congress and numerous placer operations.

AVINO MINES AND RESOURCES LTD.

MINTO CLAIMS

LILLOOET M.D., B.C.

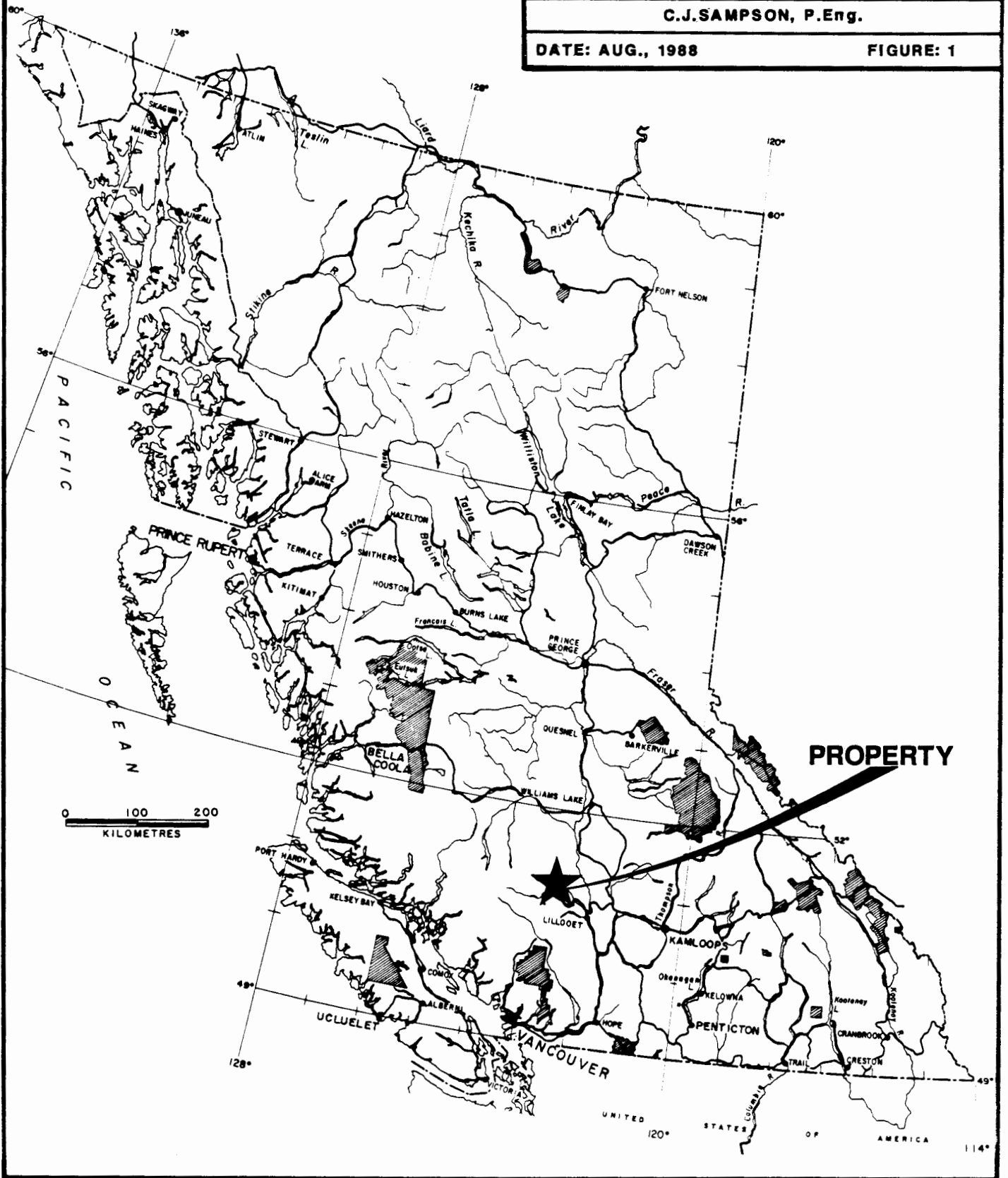
NTS: 92 J/15

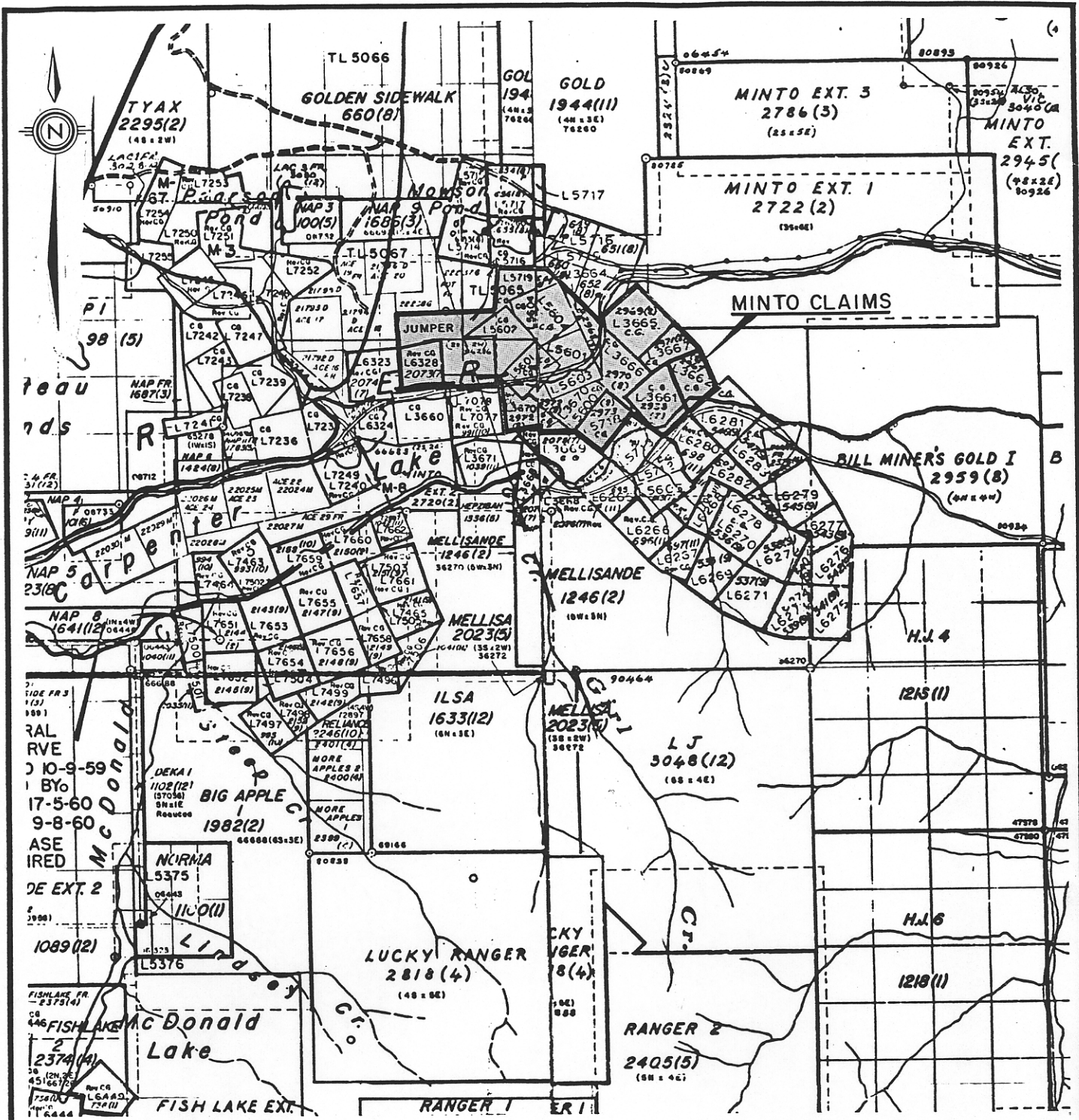
LOCATION MAP

C.J.SAMPSON, P.Eng.

DATE: AUG., 1988

FIGURE: 1





Chris J. Sampson

| | |
|---|-----------|
| AVINO MINES AND RESOURCES LTD. | |
| MINTO CLAIMS | |
| LILLOOET MINING DIVISION, B.C. NTS 92J/15 | |
| CLAIM MAP | |
| C.J.SAMPSON P.Eng. | |
| DATE: AUG., 1988 | FIGURE: 2 |

Prior to 1930, the Minto claims were held as a prospect for many years. Some surface work was carried out on a weathered shear zone up to eight feet wide exposed largely on the Omega 1 claim on the north shore of Carpenter Lake. Cominco optioned the property in 1930 and drove an adit 350 feet (107 m.) north into the hillside at the River (Lake) level (also referred to as the 400 foot level).

Following the termination of Cominco's option in 1933, Minto Gold Mines Ltd. opened a small mining operation, eventually processing up to 125 tpd from five levels (BCDM-1936). Between 1934 and 1940, when work ceased, 88,900 tons of ore were mined to produce 17,558 ounces Au (0.20 oz/t recovered), 50,584 ounces Ag (0.57 oz/t recovered), 21,327 lbs of copper and 124,421 lbs of lead. The concentrate was shipped to Tacoma for smelting. The workings extended a maximum of 400 metres north (1300 feet) along the mineralized structure on 200 level, of which about 160 metres (530 feet) constituted ore grade. The workings extended to the 700 level.

Pioneer Gold Mines Ltd. optioned the group briefly in 1941. In 1944 and 1945, the BCDM reported that 14 diamond drill holes (3,954 feet) had been completed on surface and underground searching for strike and dip extensions of the Minto ore body. Results were reported to be not encouraging. Ace Mining Co. Ltd. acquired the ground in 1959 but performed little work. In 1975, Empire Metals Ltd. optioned the claims and are thought to have carried out geochemical and geophysical surveys, although results are not available.

Avino Mines and Resources Ltd., the current owner, purchased a 100% interest in the property early in 1985. During 1985, geological, geochemical, and geophysical (VLF-EM) surveys were conducted and trenches were excavated in anomalous areas. In-fill soil geochemistry and further trenching were undertaken in 1987 (Christoffersen, January 1988).

REGIONAL GEOLOGY

The area was mapped in part by the GSC (Cairnes, 1925, 1937, 1943) and more comprehensively by Roddick and Hutchinson in 1970 (GSC Paper 73-17). Currently, Bridge River district is being mapped on a 1:20,000 scale by N. Church of the BCDM and significant revisions to earlier maps are expected.

GSC - Roddick and Hutchinson

Roddick and Hutchinson indicated that the entire area surrounding the Minto claims is underlain by Middle Triassic and possibly older rocks of the Bridge River group (Unit 1) comprising chert, argillite, phyllite, greenstone and minor limestone. Metamorphic equivalents of these rocks (Unit 1a) form an aureole around the large Bendor granodiorite pluton (Unit P4) of Cretaceous age, some 10 kilometres south of the properties. The assemblage is interpreted as a sequence of oceanic sediments and ocean-floor basaltic lavas, often pillowed. The base of the group is nowhere present in the map sheet and, hence, its total thickness is not known.

The structure of the district is thought to be a broad anticlinorium plunging north along an axis following Marshall Ridge and Tyaughton lake. In detail, however, the structure is very complex due to polyphase deformation within the Bridge River group. Younger strata appear to be less strongly deformed.

In addition to the Bendor intrusions, there are other important plutonic rocks in the area. The Bralorne intrusions (Unit P2a) outcropping between Gold Bridge and Bralorne, form complex bodies of diorite, soda granite and greenstone, within which occur the prolific Bralorne-Pioneer gold mines and several other significant vein deposits. The age of the Bralorne intrusions is under debate but is thought by some workers to be Middle to Upper Triassic, possibly coeval with Mafic volcanic rocks in the Bridge River group.

Swarms of porphyry dikes are common in the district, generally trending northerly to north-westerly. They may be related to Bendor-age plutonism and commonly occupy shear zones that have been subsequently mineralized with gold, as on the Minto property.

BCDM - Church (BCDM Paper 87-1)

Church considered the Bridge River group to be a polyglot unit incorporating formations of distinctly different ages. Hence, he has proposed to re-introduce the Fergusson Group terminology to include only ribbon cherts, which are considered to be pre-Permian in age, probably equivalent to Cache Creek rocks further east. Greenstones within the chert are interpreted on textural evidence to be sills and feeder dykes to overlying Pioneer pillow lavas, the lowest formation of the Middle-Upper Triassic Cadwallader group. Pioneer rocks are overlain by argillaceous strata of the Noel and Hurley Formations. Church also differs from earlier workers in ascribing a Paleozoic age to the Bralorne Intrusions on the basis of Zircon dates.

Fergusson cherts are thought to attain a thickness of at least 1000 metres (3,280 ft). The beds are typically thin ribbons of recrystallized quartz locally intricately folded and veined by quartz. In places, cataclasis has overprinted beds to form intensively milled breccias resembling quartz-pebble conglomerate. One discontinuous marble horizon has been noted on the map sheet.

The Cadwallader Group reaches a thickness of 2300 metres (7,550 ft). The Pioneer formation is at least 300 metres (1000 ft) thick. It comprises massive green and purplish-red amygdaloidal pillow basalts with minor aquagene tuff and limestone horizons. Locally, fine-grained gabbroic phases are evident. The Noel Formation comprises thinly bedded black argillite and siltstone up to 800 metres thick with some bands of dark limestone. The Hurley formation reaches 1200 metres in thickness and

consists of variably coloured argillites with some silty and sandy layers and two limestone marker beds.

Structurally, the map sheet is dominated by a set of orthogonal structures. The north-north-east structures are interpreted as tension faults separating horst and graben blocks. The north-west structures are thought to be a principal shear direction in a regional stress regime.

The BCDM geological map sheet just incorporates the Minto property. It is shown to be underlain by both Fergusson and Cadwallader group rocks, whose inter-relationship has not been determined in detail in the vicinity of the claims.

PROPERTY GEOLOGY

The Minto property is underlain largely by cherty sediments of the Fergusson Group (using Church's nomenclature) and basaltic rocks (greenstones) of the Pioneer member of the Cadwallader Group. Basalts dominate the higher terrain in the west and north-west sectors of the property, with cherts mainly in the east and southeast. One large mass of basalt also occupies the north-east corner of the claims. Narrow bands of greenstone in cherts exposed along the Gold Bridge - Lillooet road may represent feeder dikes to the large basalt masses occupying the higher parts of the property. Feldspar porphyry dikes are also evident along the road section and occupy some mineralized shear zones on the road section and occupy some mineralized shear zones on the property (i.e. the main Minto mine in the southern part of the claims). Serpentine has also been reported locally.

Strata strike northerly and, in general, exhibit steep dips although it is known that Fergusson cherts are commonly complexly contorted and, hence, difficult to interpret structurally. Therefore, it is possible that the stratigraphic package as a whole on the property may be more gently inclined than field evidence suggests.

Ore zones comprise quartz-carbonate veins with mariposite in silicified and carbonatized shear zones carrying disseminations and replacements of pyrite, arsenopyrite, stibnite, chalcopyrite, galena and sphalerite. Rare tetrahedrite, jamesonite, bismuth, and native gold have been reported. At the Minto mine, gold was associated with the above ore minerals in a N-S vein/shear invaded by a feldspar porphyry dike with a chert and serpentinite hanging wall and basalt footwall. Gold assays up to 1.66 oz/t over 152 feet (46.3 m) were reported on the 400-foot level of the mine.

GEOCHEMICAL SOIL SAMPLING RESULTS

During July and August 1987, 249 soil samples were collected on the Minto claims at 25-meter intervals and 100-meter line spacing. The purpose of the survey was to fill in a geochemical grid established in 1985, during which time four new mineral zones, the Winter, Rainbow, Ponderosa and View, had been identified.

The Ponderosa, Winter and Rainbow Zones were exposed by trenching in 1985 but no apparent source of the View Zone was found.

During May 1988 and grid which had been constructed on the property during 1987 was extended to the west to cover the Jumper, Golden Queen and Helm Fraction claims. 272 soil samples were collected along the grid lines at 25 metre spacing. These were analyzed for gold, silver, arsenic, antimony, copper, lead and zinc by Min-En Laboratories in North Vancouver, B.C. Results were combined with those from the 1987 geochemical soil sampling programme, and histograms plotted for each of the elements assuming a log normal distribution, which is the norm for the Bridge River area.

Results of Geochemical Analyses in 1987 and 1988 are shown in Appendix A, together with descriptions of analytical methods used by Min-En Laboratories.

The soil anomalies for gold, silver, arsenic and antimony from these surveys are plotted on Figures 4 and 5 (in pocket).

TRENCHING RESULTS

In October 1987 Avino Mines & Resources used a Caterpillar 225 backhoe to excavate 23 trenches on the Ponderosa, Winter, Rainbow, View and Minto North zones. Analytical and assay results from samples obtained from these trenches were listed in "Report on the Geology and Exploration Potential of the Minto & Olympic Claim Blocks" by J.E. Christoffersen, 15 January 1988.

In early 1988 one further trench (TMT-17) was dug in the Minto North area. In June 1988 the Caterpillar 225 backhoe operated by Randy Polischuk was used to dig a further 9 trenches (designated T1 through T9) on what is referred to as the Jumper zone. This is an area of strong antimony, arsenic, gold and silver geochemical soil values where stibnite in float had been found by prospecting programmes in the past. In addition, a series of shallow pits and trenches probably excavated by blasting occur in this area and also some old adits on massive stibnite veins. Seven road cuts designated RC-1 and RC-7 were also excavated during the course of the programme along the logging roads in this area. Location of the trenches and road cuts is shown on Figure 3 (Geology Map). The geology of the trenches and sample locations are shown on the 3 trench plans (Figures 9-11). The trenching programme successfully discovered a series of stibnite and arsenopyrite bearing shears which carry gold values. Gold assays range as high as 0.349 oz/ton. Some silver is also present. Values for this metal range as high as 28.3 ppm Ag. The results from geochemical analyses and assays are given in Appendix B.

The trenches on the Minto North zone which had mostly been excavated during the 1987 programme were re-mapped in detail in preparation for the diamond drilling programme, which was mostly concentrated on this area. Detailed plans of the geology of these trenches are shown in Figures 7 and 8.

DIAMOND DRILLING RESULTS

During the period 15 June - 08 July 1988, Iron Mountain Drilling under contract to Avino Mines & Resources drilled 9 holes totalling approximately 800 m. (2600 ft). Five of the holes, M88-1 through M88-7, were drilled to explore the Minto North zone. Location of these holes and their relation to the various trenches and outcrops is shown in Figure 6. Holes M88-8 and M88-9 were drilled to explore the Winter zone on which trench TR3 had encountered 0.101 oz/ton Au over 125 cm and 1.72 oz/t Ag over 175 cm, and trench TR-4 had exposed 0.122 oz/t Au over 150 cm and 0.343 oz/t Ag over 160 cm.

The drill core was logged and split at site and is stored in the Avino Mine storage facility at Gold Bridge, B.C. The drill logs are given in Appendix C together with results of rock geochemical analyses and assays.

Principal gold values intersected by the drill holes on the Minto North zone were as follows:

| <u>Hole No.</u> | <u>Depth (metres)</u> | <u>Gold (oz/ton)</u> |
|-----------------|-----------------------|----------------------|
| 88-2 | 72.55-70.90 (0.35m) | 0.548 |
| 88-4 | 27.73-27.93 (0.20m) | 1.073 |
| | 27.93-28.93 (1.0m) | 0.338 |
| | 28.93-29.93 (1.0m) | 0.174 |
| | 29.93-30.93 (1.0m) | 0.128 |
| | 3.2m (10.5ft) | 0.266 |
| | 36.93-37.93 (1.0m) | 0.111 |
| 88-5 | 69.49-70.19 (0.70m) | 0.361 |
| 88-6 | 69.7-70.7 (1.0m) | 0.100 |
| | 82.90-83.40 (0.50m) | 0.193 |

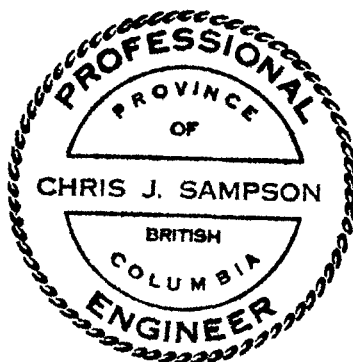
Holes 88-8 and 88-9 were drilled to investigate gold values which had been located in trenches TR3 and TR4 on the Winter zone. This is a zone approximately 400 metres east of and sub-parallel with the main Minto ore body. Both holes intersected mineralization, in particular hole 88-8 intersected 35.56-35.91 (0.35m), 0.258 oz/ton Au, 38.1 ppm Ag, 5211 ppm Pb, 13990 ppm Zn. Hole 88-9 also intersected a mineralized zone, but gold values were lower at 0.034 and 0.046 oz/ton.

CERTIFICATE

I, Christopher J. Sampson, of 2696 West 11th Avenue, Vancouver, B.C., V6K 2L6, hereby certify that:

1. I am a graduate (1966) of the Royal School of Mines, London University, England with a Bachelor of Science degree (Honours) in Economic Geology.
2. I have practised my profession of mining exploration for the past 22 years in Canada, Europe, United States and Central America. For the past 12 years I have been based in British Columbia.
3. I am a consulting geologist. I am registered member in good standing of the Association of Professional Engineers of British Columbia.
4. I have not written any other reports on the Minto claims but have written reports on other properties within 10 kms of those claims.
5. The present report is based on knowledge gained from visits to the property, study of published and unpublished reports, and supervision of work programmes.
6. I have not received, nor do I expect to receive, any interest, direct or indirect, in the properties and securities of Avino Mines and Resources Ltd. or in those of its associated companies.
7. Avino Mines and Resources Ltd. and its affiliates are hereby authorized to use this report in, or in conjunction with, any prospectus or statement of material facts.
8. I have no interest in any other property or company holding property within 10 kilometres of the Minto group of claims.

Vancouver, B.C.
30 August 1988



Chris J. Sampson

Christopher J. Sampson, P.Eng.
Consulting Geologist

SAMPSON ENGINEERING INC.

2696 West 11th Avenue
Vancouver, B.C. V6K 2L6

CERTIFICATE

I, Brian D. Game, of #205-1334 West 73rd Avenue, Vancouver, B.C. V6P 3E7, hereby certify that:

1. I am a graduate (1985) of the University of British Columbia with a Bachelor of Science degree in Economic Geology.
2. I have practised mineral exploration for three years, most of which was based in the province of British Columbia.
3. I have written reports in 1985-1987 on work on various properties in the Bridge River area (Patlo, Lick, Norma).
4. I was responsible for logging core on the Minto property.
5. I have not received, nor do I expect to receive any interest, direct or indirect, in the properties or securities of Avino Mines and Resources or in those of its associated companies.
6. I have no interest in any other property or company holding property within ten (10) kilometres of the Congress Extension claims.



Brian D. Game, B.Sc.

STATEMENT OF EXPENDITURES FOR ASSESSMENT WORK CREDIT

| | <u>\$</u> |
|--|------------------|
| Diamond Drilling: (2600 ft. at \$27.39/ft.) | 71,235.93 |
| Trenching: (124 hours at \$90/hr.) | <u>11,134.72</u> |
| | 82,370.65 |

APPENDIX A

Geochemical Soil Sampling

ANALYSES

ATTENTION: (604)980-5814 OR (604)988-4524 DATE: AUGUST 5, 1987

| (VALUES IN PPM) | AG | AS | BA | CD | CU | MM | MO | NI | PE | SB | ZN | W | AU-PPB |
|-----------------|-----|------|-----|----|-----|------|----|-----|-----|----|------|----|--------|
| MM250N 25W | .8 | 29 | 190 | 15 | 61 | 890 | 2 | 105 | 19 | 5 | 297 | 3 | 50 |
| MM250N 50W | 1.0 | 94 | 113 | 15 | 90 | 471 | 1 | 106 | 13 | 4 | 106 | 1 | 60 |
| MM250N 100W | 1.2 | 94 | 150 | 24 | 100 | 854 | 3 | 149 | 53 | 7 | 298 | 5 | 160 |
| MM250N 250W | 1.0 | 22 | 115 | 19 | 70 | 1144 | 1 | 76 | 23 | 2 | 145 | 2 | 5 |
| MM250N 275W | 1.9 | 19 | 134 | 21 | 69 | 760 | 1 | 36 | 9 | 1 | 176 | 5 | 10 |
| MM250N 350W | 1.6 | 9 | 126 | 27 | 112 | 1051 | 3 | 60 | 16 | 1 | 192 | 4 | 5 |
| MM250N 25E | .8 | 55 | 118 | 12 | 47 | 390 | 1 | 89 | 14 | 14 | 118 | 1 | 150 |
| MM250N 50E | .7 | 20 | 125 | 9 | 42 | 530 | 1 | 64 | 3 | 8 | 169 | 1 | 70 |
| MM250N 75E | 1.1 | 11 | 143 | 12 | 41 | 555 | 1 | 93 | 11 | 11 | 211 | 1 | 120 |
| MM250N 100E | .9 | 25 | 147 | 12 | 46 | 520 | 1 | 110 | 15 | 9 | 145 | 1 | 110 |
| MM250N 125E | 1.3 | 19 | 254 | 12 | 67 | 733 | 1 | 102 | 4 | 4 | 270 | 4 | 70 |
| MM250N 150E | .8 | 6 | 154 | 14 | 41 | 714 | 1 | 96 | 4 | 10 | 179 | 5 | 60 |
| MM250N 175E | .8 | 19 | 193 | 10 | 42 | 481 | 2 | 90 | 3 | 4 | 274 | 5 | 55 |
| MM250N 200E | 1.2 | 21 | 142 | 11 | 38 | 511 | 1 | 84 | 7 | 10 | 207 | 3 | 220 |
| MM250N 225E | 1.1 | 26 | 150 | 10 | 41 | 411 | 2 | 87 | 6 | 8 | 174 | 1 | 5 |
| MM250N 250E | 1.2 | 31 | 142 | 11 | 47 | 436 | 1 | 108 | 10 | 11 | 198 | 3 | 30 |
| MM250N 275E | 1.8 | 160 | 340 | 28 | 167 | 1194 | 2 | 254 | 4 | 13 | 896 | 12 | 50 |
| MM250N 300E | .8 | 239 | 128 | 12 | 79 | 395 | 2 | 278 | 25 | 10 | 333 | 1 | 50 |
| MM250N 325E | 1.0 | 339 | 198 | 31 | 165 | 979 | 2 | 236 | 102 | 24 | 623 | 8 | 40 |
| MM250N 350E | 1.6 | 1024 | 324 | 12 | 152 | 712 | 1 | 89 | 280 | 93 | 731 | 5 | 280 |
| MM300N 250W | .8 | 16 | 149 | 14 | 45 | 800 | 1 | 66 | 6 | 3 | 140 | 5 | 30 |
| MM300N 275W | .8 | 25 | 140 | 16 | 53 | 772 | 1 | 75 | 16 | 3 | 130 | 1 | 10 |
| MM300N 300W | .9 | 9 | 220 | 20 | 76 | 770 | 1 | 91 | 17 | 3 | 172 | 6 | 5 |
| MM300N 325W | .8 | 18 | 113 | 14 | 66 | 475 | 3 | 82 | 4 | 2 | 137 | 5 | 5 |
| MM300N 350W | .9 | 13 | 154 | 14 | 65 | 475 | 1 | 102 | 4 | 6 | 164 | 1 | 5 |
| MM350N 25W | .8 | 3 | 132 | 13 | 38 | 485 | 2 | 95 | 14 | 3 | 213 | 1 | 30 |
| MM350N 75W | .8 | 19 | 180 | 14 | 73 | 854 | 3 | 102 | 16 | 1 | 253 | 6 | 10 |
| MM350N 100W | .9 | 42 | 163 | 17 | 115 | 1583 | 4 | 57 | 4 | 8 | 192 | 1 | 5 |
| MM350N 225W | .6 | 2 | 147 | 8 | 25 | 750 | 1 | 28 | 8 | 1 | 134 | 2 | 40 |
| MM350N 250W | .5 | 10 | 183 | 14 | 46 | 541 | 1 | 61 | 9 | 1 | 149 | 5 | 50 |
| MM350N 275W | .4 | 28 | 133 | 11 | 46 | 436 | 1 | 75 | 9 | 14 | 136 | 1 | 5 |
| MM350N 300W | .5 | 9 | 167 | 12 | 43 | 608 | 1 | 86 | 7 | 5 | 214 | 1 | 5 |
| MM350N 325W | .5 | 24 | 144 | 13 | 54 | 507 | 2 | 101 | 15 | 5 | 165 | 6 | 5 |
| MM350N 350W | .5 | 16 | 140 | 12 | 62 | 464 | 1 | 93 | 6 | 8 | 135 | 2 | 40 |
| MM350N 25E | .9 | 15 | 147 | 12 | 45 | 455 | 1 | 108 | 10 | 3 | 106 | 1 | 5 |
| MM350N 50E | .7 | 17 | 114 | 15 | 51 | 398 | 2 | 146 | 14 | 5 | 114 | 1 | 140 |
| MM350N 75E | .8 | 27 | 174 | 16 | 40 | 331 | 1 | 61 | 6 | 6 | 469 | 2 | 80 |
| MM350N 100E | 1.0 | 28 | 190 | 13 | 49 | 569 | 3 | 89 | 13 | 6 | 103 | 4 | 70 |
| MM350N 125E | .7 | 12 | 121 | 14 | 41 | 586 | 1 | 92 | 10 | 6 | 142 | 1 | 10 |
| MM350N 150E | .9 | 5 | 152 | 12 | 47 | 464 | 1 | 86 | 11 | 5 | 172 | 2 | 20 |
| MM350N 175E | .8 | 1 | 143 | 14 | 47 | 572 | 1 | 103 | 7 | 5 | 128 | 1 | 5 |
| MM350N 200E | .6 | 24 | 155 | 11 | 40 | 438 | 3 | 106 | 11 | 1 | 205 | 5 | 10 |
| MM350N 225E | .8 | 18 | 134 | 10 | 32 | 461 | 2 | 79 | 5 | 1 | 148 | 3 | 10 |
| MM350N 250E | .8 | 9 | 135 | 10 | 28 | 366 | 1 | 78 | 4 | 2 | 110 | 1 | 5 |
| MM350N 275E | 1.2 | 103 | 138 | 13 | 58 | 604 | 1 | 135 | 14 | 10 | 120 | 5 | 5 |
| MM350N 300E | .9 | 34 | 131 | 14 | 65 | 475 | 2 | 142 | 15 | 6 | 309 | 2 | 5 |
| MM350N 325E | .6 | 124 | 229 | 10 | 69 | 914 | 1 | 61 | 18 | 4 | 499 | 1 | 150 |
| MM350N 350E | .8 | 134 | 224 | 19 | 75 | 596 | 2 | 201 | 11 | 8 | 1366 | 2 | 10 |
| MM450N 25W | .7 | 61 | 150 | 15 | 65 | 605 | 1 | 217 | 20 | 12 | 197 | 1 | 20 |
| MM450N 50W | .8 | 94 | 123 | 16 | 69 | 536 | 2 | 158 | 9 | 11 | 257 | 2 | 10 |
| MM450N 75W | .8 | 17 | 123 | 13 | 61 | 508 | 2 | 172 | 6 | 7 | 191 | 1 | 5 |
| MM450N 100W | .8 | 16 | 104 | 15 | 50 | 505 | 3 | 207 | 6 | 5 | 129 | 1 | 5 |
| MM450N 125W | .6 | 13 | 115 | 14 | 78 | 946 | 1 | 99 | 15 | 6 | 210 | 1 | 5 |
| MM450N 150W | .7 | 11 | 95 | 13 | 60 | 573 | 2 | 79 | 5 | 4 | 111 | 3 | 5 |
| MM450N 175W | .9 | 3 | 109 | 15 | 60 | 584 | 3 | 92 | 6 | 3 | 145 | 1 | 5 |
| MM450N 225W | 1.0 | 5 | 118 | 24 | 97 | 911 | 1 | 97 | 15 | 3 | 150 | 1 | 5 |
| MM450N 250W | .8 | 11 | 135 | 17 | 143 | 1313 | 1 | 53 | 15 | 5 | 148 | 3 | 5 |
| MM450N 275W | 1.0 | 5 | 101 | 23 | 98 | 1060 | 4 | 64 | 14 | 7 | 141 | 6 | 5 |
| MM450N 300W | .8 | 9 | 128 | 20 | 74 | 1024 | 2 | 82 | 12 | 1 | 139 | 3 | 5 |
| MM450N 325W | .4 | 5 | 112 | 21 | 73 | 832 | 1 | 145 | 20 | 5 | 150 | 4 | 5 |

| ATTENTION: | (604)980-5814 OR (604)988-4524 | | | | | | | | | | | DATE: AUGUST 5, 1987 | |
|-----------------|--------------------------------|-----|-----|----|-----|------|----|-----|----|----|-----|----------------------|--------|
| (VALUES IN PPM) | AG | AS | BA | CO | CU | MN | MO | NI | PB | SB | ZN | W | AU-PPB |
| MM450N 350W | .8 | 5 | 201 | 17 | 52 | 998 | 2 | 102 | 18 | 5 | 179 | 1 | 5 |
| MM450N 375W | .6 | 8 | 237 | 12 | 59 | 863 | 1 | 112 | 9 | 5 | 244 | 1 | 10 |
| MM450N 400W | .7 | 4 | 129 | 12 | 60 | 459 | 2 | 94 | 11 | 7 | 139 | 1 | 5 |
| MM450N 425W | .5 | 22 | 101 | 11 | 49 | 370 | 2 | 104 | 5 | 5 | 124 | 3 | 10 |
| MM450N 450W | .4 | 24 | 205 | 13 | 57 | 682 | 1 | 132 | 8 | 5 | 134 | 4 | 5 |
| MM450N 475W | .4 | 29 | 155 | 13 | 45 | 665 | 2 | 107 | 9 | 6 | 145 | 4 | 30 |
| MM450N 25E | 1.0 | 10 | 275 | 19 | 81 | 906 | 3 | 165 | 17 | 2 | 243 | 1 | 20 |
| MM450N 50E | .6 | 24 | 121 | 12 | 40 | 461 | 1 | 118 | 12 | 5 | 168 | 1 | 550 |
| MM450N 75E | 1.0 | 11 | 108 | 13 | 38 | 464 | 2 | 97 | 13 | 3 | 108 | 1 | 20 |
| MM450N 100E | .8 | 4 | 119 | 12 | 26 | 550 | 1 | 80 | 14 | 3 | 165 | 1 | 5 |
| MM450N 125E | .8 | 3 | 171 | 12 | 40 | 816 | 1 | 97 | 12 | 4 | 182 | 1 | 10 |
| MM450N 150E | .6 | 5 | 131 | 14 | 36 | 602 | 2 | 127 | 22 | 9 | 214 | 3 | 5 |
| MM450N 175E | .7 | 8 | 130 | 11 | 47 | 510 | 1 | 128 | 12 | 5 | 328 | 1 | 5 |
| MM450N 225E | .6 | 1 | 115 | 9 | 19 | 462 | 2 | 63 | 9 | 1 | 133 | 1 | 20 |
| MM450N 250E | .6 | 10 | 90 | 10 | 25 | 371 | 1 | 82 | 11 | 2 | 131 | 3 | 10 |
| MM450N 275E | .6 | 23 | 123 | 11 | 47 | 451 | 2 | 97 | 9 | 4 | 573 | 1 | 5 |
| MM450N 300E | .8 | 15 | 194 | 17 | 64 | 713 | 2 | 171 | 8 | 6 | 687 | 1 | 20 |
| MM450N 325E | .8 | 25 | 126 | 13 | 50 | 418 | 1 | 117 | 9 | 3 | 264 | 2 | 10 |
| MM450N 350E | .8 | 101 | 223 | 12 | 59 | 1037 | 1 | 100 | 6 | 3 | 770 | 5 | 40 |
| MM450N 375E | .7 | 794 | 192 | 15 | 189 | 479 | 1 | 117 | 9 | 9 | 752 | 1 | 60 |
| MM450N 400E | .5 | 497 | 447 | 17 | 141 | 1520 | 1 | 65 | 26 | 8 | 426 | 1 | 100 |
| MM450N 425E | .2 | 563 | 212 | 5 | 80 | 296 | 1 | 36 | 19 | 8 | 216 | 1 | 520 |
| MM450N 450E | .4 | 372 | 251 | 12 | 115 | 610 | 1 | 78 | 13 | 5 | 271 | 1 | 40 |
| MM500N 25W | 1.0 | 52 | 174 | 14 | 77 | 884 | 1 | 121 | 13 | 9 | 304 | 1 | 10 |
| MM500N 50W | .9 | 100 | 170 | 15 | 72 | 663 | 2 | 112 | 15 | 9 | 170 | 2 | 10 |
| MM500N 75W | 1.0 | 1 | 143 | 12 | 58 | 490 | 3 | 96 | 16 | 3 | 102 | 1 | 5 |
| MM500N 100W | 1.0 | 17 | 124 | 11 | 51 | 506 | 2 | 113 | 10 | 6 | 130 | 1 | 5 |
| MM500N 125W | .9 | 21 | 97 | 12 | 46 | 634 | 1 | 54 | 10 | 4 | 113 | 1 | 5 |
| MM500N 150W | 1.5 | 25 | 102 | 16 | 123 | 1824 | 3 | 32 | 7 | 1 | 262 | 4 | 5 |
| MM500N 175W | 1.7 | 39 | 93 | 30 | 106 | 1824 | 4 | 13 | 5 | 7 | 274 | 7 | 10 |
| MM500N 200W | 2.1 | 8 | 110 | 29 | 113 | 1979 | 5 | 51 | 21 | 11 | 259 | 3 | 5 |
| MM550N 25W | 1.0 | 198 | 145 | 16 | 71 | 798 | 1 | 156 | 10 | 13 | 190 | 2 | 30 |
| MM550N 50W | .8 | 105 | 178 | 14 | 46 | 708 | 3 | 142 | 6 | 4 | 227 | 1 | 5 |
| MM550N 75W | .8 | 32 | 169 | 13 | 58 | 635 | 3 | 154 | 4 | 1 | 173 | 1 | 10 |
| MM550N 100W | .9 | 4 | 226 | 15 | 51 | 981 | 3 | 175 | 16 | 3 | 237 | 1 | 50 |
| MM550N 125W | 1.1 | 22 | 168 | 15 | 106 | 1682 | 2 | 68 | 20 | 1 | 704 | 2 | 10 |
| MM550N 175W | 1.4 | 31 | 83 | 25 | 86 | 1849 | 1 | 17 | 4 | 7 | 263 | 1 | 5 |
| MM550N 200W | 1.0 | 19 | 143 | 16 | 64 | 995 | 3 | 66 | 18 | 2 | 193 | 1 | 5 |
| MM550N 225W | 1.1 | 20 | 111 | 20 | 96 | 1608 | 2 | 64 | 13 | 7 | 314 | 1 | 5 |
| MM550N 250W | 1.0 | 13 | 128 | 14 | 83 | 1245 | 1 | 40 | 6 | 6 | 129 | 2 | 15 |
| MM550N 275W | 1.0 | 19 | 119 | 18 | 65 | 642 | 1 | 111 | 9 | 3 | 121 | 3 | 5 |
| MM550N 300W | .9 | 28 | 183 | 17 | 48 | 810 | 3 | 116 | 12 | 6 | 203 | 1 | 20 |
| MM550N 325W | .8 | 20 | 86 | 12 | 82 | 377 | 2 | 61 | 8 | 3 | 122 | 1 | 5 |
| MM550N 350W | .8 | 2 | 128 | 16 | 56 | 504 | 3 | 98 | 15 | 3 | 115 | 1 | 5 |
| MM550N 375W | .9 | 4 | 169 | 16 | 60 | 483 | 2 | 103 | 18 | 4 | 147 | 4 | 5 |
| MM550N 400W | .7 | 5 | 196 | 11 | 39 | 634 | 1 | 83 | 10 | 4 | 135 | 3 | 5 |
| MM550N 425W | .7 | 22 | 150 | 10 | 47 | 444 | 2 | 80 | 11 | 2 | 108 | 1 | 5 |
| MM550N 450W | 1.1 | 19 | 147 | 19 | 86 | 1197 | 4 | 64 | 21 | 7 | 189 | 1 | 10 |
| MM550N 25E | .6 | 13 | 213 | 6 | 40 | 879 | 1 | 29 | 7 | 3 | 316 | 2 | 10 |
| MM550N 50E | N/S | | | | | | | | | | | | |
| MM550N 75E | N/S | | | | | | | | | | | | |
| MM550N 100E | N/S | | | | | | | | | | | | |
| MM550N 125E | .9 | 38 | 496 | 17 | 119 | 1570 | 2 | 137 | 12 | 2 | 488 | 3 | 40 |
| MM550N 175E | .5 | 5 | 133 | 3 | 11 | 305 | 1 | 13 | 9 | 1 | 199 | 1 | 5 |
| MM550N 200E | .9 | 75 | 115 | 12 | 65 | 429 | 1 | 101 | 11 | 6 | 351 | 4 | 360 |
| MM550N 225E | .8 | 26 | 164 | 12 | 55 | 579 | 2 | 104 | 11 | 8 | 618 | 1 | 70 |
| MM550N 250E | .7 | 46 | 184 | 12 | 60 | 647 | 2 | 126 | 7 | 11 | 480 | 4 | 140 |
| MM550N 275E | .7 | 23 | 155 | 15 | 59 | 684 | 2 | 94 | 4 | 3 | 490 | 1 | 230 |
| MM550N 300E | .8 | 10 | 189 | 12 | 54 | 626 | 1 | 92 | 11 | 3 | 473 | 3 | 130 |
| MM550N 325E | .8 | 57 | 112 | 14 | 69 | 587 | 1 | 113 | 13 | 6 | 351 | 2 | 500 |

COMPANY: AVINO MINES
 PROJECT NO: MINTO MINE
 ATTENTION:

MIN-EN LABS ICP REPORT
 70' ST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

(ACT:G31) PAGE 1 OF 1
 FILE NO: 7-903S/PS+6
 DATE: AUGUST 5, 1987

| (VALUES IN PPM) | AG | AS | BA | CD | CU | MN | MO | NI | PB | SB | ZN | W | AU-PPB |
|-----------------|-----|------|-----|----|-----|------|----|-----|-----|----|------|---|--------|
| MM550N 350E | 1.0 | 107 | 142 | 25 | 111 | 817 | 4 | 111 | 16 | 5 | 319 | 2 | 510 |
| MM550N 375E | 1.0 | 23 | 176 | 18 | 94 | 888 | 1 | 146 | 5 | 2 | 260 | 1 | 350 |
| MM550N 400E | 1.2 | 296 | 84 | 14 | 189 | 1044 | 3 | 71 | 5 | 20 | 106 | 2 | 50 |
| MM550N 425E | 1.2 | 136 | 111 | 23 | 110 | 632 | 4 | 125 | 10 | 8 | 161 | 6 | 130 |
| MM550N 450E | 2.3 | 1272 | 209 | 14 | 155 | 1695 | 2 | 150 | 202 | 70 | 232 | 3 | 560 |
| MM600N 25E | 1.4 | 53 | 225 | 15 | 91 | 768 | 3 | 174 | 11 | 3 | 1372 | 1 | 900 |
| MM600N 50E | .8 | 109 | 941 | 21 | 197 | 1619 | 1 | 93 | 10 | 4 | 372 | 1 | 600 |
| MM600N 75E | 1.0 | 120 | 321 | 27 | 181 | 1379 | 3 | 245 | 9 | 8 | 528 | 1 | 820 |
| MM600N 100E | .7 | 106 | 273 | 27 | 104 | 1666 | 1 | 211 | 12 | 4 | 616 | 1 | 420 |
| MM600N 125E | 1.4 | 272 | 349 | 50 | 270 | 2363 | 1 | 345 | 16 | 14 | 1247 | 1 | 130 |
| MM600N 150E | 1.2 | 176 | 297 | 46 | 272 | 1922 | 2 | 81 | 11 | 11 | 683 | 2 | 620 |
| MM600N 175E | .7 | 58 | 160 | 12 | 76 | 523 | 3 | 111 | 5 | 4 | 509 | 1 | 130 |
| MM600N 200E | .8 | 81 | 117 | 10 | 87 | 454 | 1 | 119 | 8 | 5 | 408 | 1 | 110 |
| MM600N 225E | 1.1 | 149 | 148 | 14 | 127 | 573 | 1 | 148 | 14 | 17 | 336 | 3 | 140 |
| MM600N 250E 40M | 1.8 | 468 | 120 | 73 | 206 | 2042 | 1 | 137 | 24 | 11 | 154 | 6 | 145 |
| MM600N 275E | 1.0 | 66 | 119 | 32 | 109 | 780 | 2 | 79 | 15 | 5 | 141 | 1 | 40 |
| MM600N 300E | .7 | 83 | 136 | 13 | 69 | 553 | 1 | 79 | 6 | 5 | 206 | 1 | 60 |
| MM600N 325E | 1.0 | 101 | 102 | 14 | 79 | 497 | 1 | 97 | 7 | 11 | 128 | 1 | 50 |
| MM600N 350E | .6 | 112 | 90 | 17 | 72 | 499 | 1 | 83 | 13 | 5 | 196 | 1 | 140 |
| MM600N 375E | .8 | 67 | 131 | 30 | 89 | 1128 | 1 | 71 | 3 | 4 | 165 | 1 | 140 |
| MM600N 400E | .9 | 134 | 93 | 27 | 107 | 662 | 2 | 97 | 18 | 4 | 151 | 3 | 60 |
| MM600N 425E | .8 | 44 | 136 | 22 | 90 | 588 | 2 | 106 | 4 | 3 | 175 | 5 | 60 |
| MM650N 25W | .8 | 2 | 133 | 9 | 30 | 260 | 1 | 71 | 10 | 2 | 145 | 1 | 5 |
| MM650N 50W | 1.3 | 16 | 235 | 11 | 85 | 790 | 1 | 89 | 5 | 6 | 605 | 5 | 10 |
| MM650N 75W | 1.1 | 4 | 161 | 15 | 71 | 661 | 1 | 93 | 8 | 4 | 139 | 1 | 5 |
| MM650N 100W | 1.1 | 1 | 194 | 11 | 48 | 467 | 2 | 113 | 10 | 2 | 132 | 4 | 20 |
| MM650N 125W | 1.4 | 14 | 205 | 12 | 54 | 1308 | 1 | 126 | 12 | 10 | 316 | 1 | 10 |
| MM650N 150W | .7 | 243 | 99 | 8 | 38 | 319 | 2 | 99 | 9 | 12 | 153 | 1 | 5 |
| MM650N 175W | 1.1 | 3 | 174 | 16 | 67 | 611 | 2 | 125 | 11 | 61 | 146 | 1 | 5 |
| MM650N 200W 40M | 2.3 | 2 | 96 | 34 | 77 | 1635 | 1 | 14 | 5 | 8 | 315 | 1 | 10 |
| MM650N 275W | .8 | 20 | 98 | 19 | 62 | 774 | 1 | 45 | 12 | 20 | 137 | 2 | 5 |
| MM650N 300W | .7 | 136 | 90 | 13 | 33 | 810 | 1 | 33 | 9 | 61 | 94 | 4 | 5 |
| MM650N 325W | .8 | 53 | 105 | 15 | 46 | 857 | 1 | 47 | 16 | 23 | 98 | 4 | 35 |
| MM650N 350W | .5 | 12 | 126 | 6 | 20 | 430 | 1 | 9 | 11 | 2 | 103 | 5 | 5 |
| MM650N 25E | 1.4 | 212 | 204 | 51 | 141 | 2128 | 3 | 342 | 24 | 8 | 827 | 8 | 110 |
| MM650N 50E | .9 | 24 | 121 | 13 | 66 | 561 | 3 | 102 | 5 | 4 | 402 | 3 | 680 |
| MM650N 75E | .9 | 14 | 190 | 13 | 64 | 631 | 3 | 124 | 12 | 5 | 426 | 3 | 25 |
| MM650N 100E | .9 | 10 | 170 | 16 | 59 | 843 | 4 | 196 | 13 | 3 | 281 | 4 | 175 |
| MM650N 125E | .8 | 46 | 248 | 20 | 70 | 1261 | 2 | 220 | 15 | 2 | 527 | 4 | 70 |
| MM650N 150E 20M | .5 | 7 | 259 | 7 | 60 | 689 | 1 | 29 | 8 | 1 | 208 | 2 | 5 |
| MM650N 175E | .4 | 15 | 153 | 13 | 44 | 745 | 2 | 137 | 14 | 2 | 394 | 1 | 65 |
| MM650N 200E | .8 | 165 | 219 | 16 | 78 | 767 | 3 | 141 | 24 | 10 | 330 | 3 | 80 |
| MM650N 225E | .6 | 238 | 160 | 13 | 60 | 511 | 2 | 95 | 14 | 5 | 225 | 2 | 175 |
| MM650N 250E | .7 | 300 | 213 | 15 | 77 | 743 | 2 | 106 | 14 | 3 | 310 | 1 | 250 |
| MM650N 275E | .9 | 196 | 162 | 15 | 83 | 653 | 2 | 97 | 21 | 6 | 284 | 2 | 90 |
| MM650N 300E | 1.3 | 346 | 162 | 30 | 124 | 1145 | 1 | 99 | 12 | 5 | 253 | 5 | 85 |
| MM650N 325E | .9 | 348 | 112 | 24 | 121 | 556 | 2 | 108 | 16 | 5 | 164 | 5 | 60 |
| MM650N 350E | 1.1 | 153 | 123 | 34 | 119 | 1087 | 3 | 76 | 7 | 4 | 194 | 1 | 30 |
| MM650N 375E | .7 | 222 | 92 | 15 | 71 | 616 | 2 | 31 | 18 | 2 | 119 | 2 | 45 |
| MM650N 400E | .8 | 178 | 97 | 19 | 71 | 1142 | 1 | 39 | 10 | 2 | 186 | 1 | 15 |
| MM650N 425E | 1.1 | 144 | 144 | 40 | 155 | 849 | 1 | 120 | 14 | 4 | 346 | 1 | 30 |
| MM700N 25E | .7 | 30 | 122 | 10 | 54 | 420 | 2 | 119 | 11 | 5 | 195 | 1 | 5 |
| MM700N 50E | .4 | 13 | 128 | 12 | 51 | 532 | 1 | 102 | 12 | 2 | 203 | 1 | 5 |
| MM700N 75E | 1.0 | 21 | 181 | 12 | 49 | 690 | 2 | 118 | 15 | 4 | 317 | 1 | 35 |
| MM700N 100E | 1.3 | 1 | 172 | 25 | 79 | 1017 | 2 | 279 | 20 | 3 | 551 | 2 | 5 |
| MM700N 125E | .8 | 51 | 348 | 20 | 139 | 969 | 3 | 139 | 16 | 3 | 537 | 5 | 150 |
| MM700N 150E | .9 | 38 | 574 | 14 | 123 | 1617 | 2 | 118 | 4 | 3 | 577 | 5 | 160 |
| MM700N 175E | .8 | 9 | 212 | 14 | 55 | 858 | 2 | 124 | 15 | 2 | 373 | 1 | 155 |
| MM700N 200E | .8 | 182 | 191 | 16 | 72 | 740 | 2 | 166 | 14 | 6 | 392 | 1 | 40 |
| MM700N 225E | .5 | 32 | 182 | 9 | 59 | 707 | 2 | 80 | 3 | 3 | 290 | 3 | 20 |

COMPANY: AVINDO MINES
 PROJECT NO: MINTO MINE
 ATTENTION:

MIN-EN LABS ICP REPORT
 705 T 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

(ACT:G31) PAGE 1 OF 1
 FILE NO: 7-903S/P7+8
 DATE: AUGUST 5, 1987

| (VALUES IN PPM) | AG | AS | BA | CO | CU | MN | MO | NI | PB | SB | ZN | W | AU-PPB |
|------------------|-----|------|-----|----|-----|------|----|-----|-----|----|------|---|--------|
| MM700N 250E | .5 | 91 | 168 | 12 | 71 | 727 | 3 | 95 | 8 | 2 | 394 | 5 | 75 |
| MM700N 275E | .4 | 115 | 148 | 14 | 76 | 513 | 3 | 104 | 13 | 1 | 307 | 5 | 60 |
| MM700N 300E | 1.9 | 1189 | 120 | 28 | 137 | 680 | 1 | 90 | 547 | 3 | 403 | 7 | 300 |
| MM700N 325E | .7 | 168 | 94 | 21 | 63 | 990 | 2 | 57 | 37 | 3 | 204 | 4 | 15 |
| MM700N 350E | .6 | 119 | 42 | 9 | 30 | 255 | 1 | 18 | 28 | 2 | 94 | 2 | 5 |
| MM700N 375E | .7 | 54 | 72 | 9 | 30 | 363 | 1 | 18 | 12 | 2 | 105 | 1 | 5 |
| MM700N 400E 20M | .4 | 117 | 49 | 8 | 18 | 263 | 1 | 11 | 11 | 1 | 57 | 1 | 5 |
| MM750N 25E | .8 | 47 | 125 | 16 | 81 | 692 | 1 | 156 | 16 | 3 | 322 | 1 | 5 |
| MM750N 50E | 1.1 | 19 | 185 | 14 | 51 | 1376 | 1 | 117 | 5 | 1 | 767 | 8 | 5 |
| MM750N 75E | .6 | 29 | 202 | 14 | 62 | 1097 | 1 | 221 | 12 | 1 | 1604 | 1 | 25 |
| MM750N 100E | .3 | 4 | 43 | 3 | 13 | 140 | 1 | 14 | 12 | 1 | 103 | 2 | 5 |
| MM750N 125E | .5 | 16 | 193 | 12 | 39 | 778 | 1 | 163 | 11 | 1 | 706 | 4 | 30 |
| MM750N 150E | .4 | 11 | 107 | 11 | 46 | 394 | 2 | 138 | 11 | 3 | 383 | 3 | 5 |
| MM750N 175E | .2 | 21 | 137 | 7 | 47 | 397 | 1 | 60 | 8 | 1 | 304 | 4 | 60 |
| MM750N 200E | .6 | 13 | 122 | 10 | 43 | 415 | 2 | 93 | 10 | 4 | 230 | 6 | 65 |
| MM750N 225E | .6 | 36 | 200 | 13 | 71 | 643 | 2 | 127 | 10 | 5 | 158 | 7 | 15 |
| MM750N 250E | .3 | 55 | 122 | 14 | 54 | 375 | 1 | 91 | 7 | 4 | 126 | 5 | 5 |
| MM750N 275E | 1.0 | 180 | 137 | 18 | 76 | 570 | 2 | 84 | 11 | 1 | 163 | 1 | 25 |
| MM750N 300E | .9 | 191 | 104 | 48 | 167 | 1029 | 1 | 117 | 17 | 4 | 179 | 1 | 80 |
| MM750N 325E | 1.2 | 140 | 100 | 30 | 86 | 1408 | 2 | 61 | 61 | 4 | 223 | 6 | 150 |
| MM750N 350E | 1.0 | 85 | 107 | 33 | 105 | 1461 | 2 | 73 | 26 | 1 | 172 | 8 | 5 |
| MM850N 25W | .5 | 6 | 151 | 12 | 42 | 898 | 2 | 142 | 12 | 4 | 1208 | 8 | 25 |
| MM850N 50W | .3 | 3 | 111 | 11 | 35 | 381 | 1 | 105 | 14 | 4 | 205 | 4 | 5 |
| MM850N 75W | .6 | 13 | 132 | 10 | 42 | 407 | 1 | 108 | 9 | 4 | 120 | 2 | 5 |
| MM850N 100W | .8 | 15 | 160 | 10 | 47 | 679 | 1 | 100 | 7 | 4 | 261 | 1 | 5 |
| MM850N 125W | .5 | 17 | 123 | 10 | 51 | 526 | 2 | 97 | 10 | 3 | 332 | 1 | 5 |
| MM850N 150W | .4 | 3 | 127 | 11 | 42 | 579 | 1 | 104 | 11 | 3 | 224 | 2 | 5 |
| MM850N 175W | .9 | 17 | 102 | 10 | 34 | 369 | 1 | 90 | 5 | 1 | 90 | 1 | 15 |
| MM850N 200W | .3 | 172 | 108 | 9 | 36 | 282 | 1 | 88 | 10 | 3 | 86 | 3 | 100 |
| MM850N 225W | .5 | 463 | 248 | 21 | 89 | 629 | 2 | 168 | 14 | 5 | 194 | 1 | 80 |
| MM850N 250W | .4 | 57 | 109 | 11 | 33 | 437 | 2 | 90 | 13 | 81 | 151 | 2 | 5 |
| MM850N 25E | .2 | 36 | 143 | 13 | 60 | 431 | 1 | 113 | 11 | 4 | 127 | 4 | 50 |
| MM850N 50E | 1.1 | 87 | 287 | 25 | 139 | 2254 | 6 | 109 | 10 | 6 | 500 | 1 | 20 |
| MM850N 75E | .9 | 7 | 340 | 22 | 112 | 1423 | 2 | 159 | 7 | 1 | 550 | 2 | 45 |
| MM850N 100E | .7 | 15 | 146 | 14 | 68 | 560 | 1 | 137 | 14 | 1 | 218 | 1 | 40 |
| MM850N 125E | .5 | 5 | 211 | 7 | 22 | 713 | 2 | 43 | 15 | 2 | 357 | 1 | 5 |
| MM850N 150E | .8 | 20 | 312 | 15 | 45 | 1257 | 2 | 95 | 5 | 4 | 599 | 1 | 30 |
| MM850N 175E | .8 | 24 | 238 | 12 | 63 | 756 | 1 | 75 | 6 | 5 | 388 | 5 | 5 |
| MM850N 200E | .4 | 91 | 193 | 10 | 38 | 561 | 2 | 63 | 7 | 3 | 280 | 4 | 50 |
| MM850N 225E | .8 | 10 | 133 | 11 | 34 | 400 | 1 | 114 | 12 | 4 | 134 | 2 | 5 |
| MM850N 250E | 1.1 | 565 | 185 | 28 | 90 | 1361 | 1 | 162 | 6 | 3 | 239 | 1 | 20 |
| MM850N 275E | 1.3 | 122 | 109 | 31 | 116 | 910 | 3 | 113 | 17 | 5 | 150 | 4 | 130 |
| MM850N 300E | .6 | 12 | 33 | 11 | 41 | 361 | 1 | 15 | 4 | 2 | 82 | 1 | 5 |
| MM900N 25E | 1.0 | 3 | 192 | 15 | 69 | 1157 | 1 | 123 | 9 | 1 | 234 | 5 | 5 |
| MM900N 50E | .6 | 222 | 117 | 21 | 90 | 616 | 2 | 72 | 10 | 3 | 173 | 1 | 115 |
| MM900N 75E | .8 | 20 | 168 | 11 | 45 | 387 | 1 | 99 | 7 | 3 | 131 | 1 | 120 |
| MM900N 100E | .4 | 4 | 153 | 12 | 57 | 294 | 1 | 120 | 11 | 2 | 95 | 4 | 10 |
| MM900N 125E | .8 | 16 | 302 | 10 | 36 | 1066 | 1 | 41 | 14 | 1 | 215 | 1 | 870 |
| MM900N 150E | .4 | 17 | 152 | 9 | 30 | 311 | 1 | 83 | 4 | 1 | 160 | 1 | 5 |
| MM950N 25W | .9 | 20 | 133 | 13 | 63 | 506 | 3 | 192 | 12 | 5 | 169 | 1 | 5 |
| MM950N 50W | .9 | 8 | 168 | 13 | 52 | 960 | 3 | 148 | 10 | 5 | 219 | 2 | 10 |
| MM950N 75W | .8 | 10 | 154 | 14 | 59 | 999 | 2 | 133 | 9 | 3 | 305 | 1 | 5 |
| MM950N 100W | .6 | 2 | 153 | 12 | 50 | 450 | 1 | 151 | 10 | 4 | 116 | 1 | 15 |
| MM950N 125W | .7 | 2 | 133 | 10 | 41 | 510 | 1 | 93 | 12 | 1 | 92 | 1 | 5 |
| MM950N 150W | .5 | 9 | 198 | 10 | 56 | 612 | 2 | 122 | 5 | 1 | 116 | 1 | 5 |
| MM950N 175W | .9 | 3 | 244 | 12 | 79 | 1239 | 2 | 105 | 14 | 4 | 145 | 1 | 10 |
| MM950N 200W | .9 | 2 | 132 | 10 | 34 | 338 | 1 | 92 | 6 | 1 | 95 | 2 | 5 |
| MM950N 225W | .8 | 2 | 171 | 11 | 45 | 590 | 2 | 116 | 10 | 1 | 112 | 3 | 5 |
| MM950N 250W | 6.3 | 87 | 26 | 4 | 3 | 68 | 6 | 21 | 32 | 18 | 17 | 6 | 10 |
| MM950N 275W | .8 | 24 | 128 | 11 | 36 | 602 | 1 | 90 | 15 | 34 | 193 | 1 | 15 |

COMPANY: AVINO MINES
PROJECT NO: MINTO MINE

MIN-EN LABS ICP REPORT
705 7th 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(ACT:631) PAGE 1 OF 1

FILE NO: 7-903S/P9

ATTENTION:

(604)980-5814 DR (604)988-4524

DATE: AUGUST 5, 1987

| (VALUES IN PPM) | AG | AS | BA | CO | CU | MN | MO | NI | PB | SB | ZN | W | AU-PPB |
|------------------|----|----|-----|----|----|------|----|-----|----|----|-----|---|--------|
| MM950N 300W | .4 | 3 | 124 | 11 | 74 | 466 | 2 | 134 | 6 | 3 | 100 | 2 | 5 |
| MM950N 325W | .3 | 2 | 121 | 12 | 64 | 1309 | 2 | 48 | 12 | 2 | 125 | 1 | 5 |
| MM950N 25E | .2 | 23 | 105 | 12 | 48 | 363 | 3 | 137 | 10 | 4 | 95 | 1 | 10 |
| MM950N 50E | .7 | 14 | 244 | 13 | 59 | 855 | 1 | 146 | 6 | 1 | 231 | 4 | 5 |
| MM950N 75E | .4 | 33 | 260 | 7 | 36 | 263 | 2 | 65 | 21 | 12 | 150 | 2 | 50 |
| MM950N 100E | .6 | 6 | 228 | 31 | 97 | 800 | 3 | 168 | 13 | 6 | 196 | 1 | 65 |
| MM950N 125E | .6 | 15 | 260 | 14 | 83 | 693 | 2 | 111 | 8 | 1 | 120 | 1 | 5 |
| MM950N 150E | .7 | 15 | 274 | 13 | 59 | 635 | 2 | 118 | 9 | 4 | 273 | 1 | 5 |
| MM950N 175E | .6 | 6 | 304 | 10 | 38 | 763 | 1 | 80 | 11 | 3 | 283 | 3 | 20 |
| MM950N 200E | .4 | 7 | 177 | 10 | 38 | 322 | 1 | 126 | 11 | 1 | 171 | 1 | 5 |
| MM950N 225E | .3 | 1 | 108 | 4 | 8 | 197 | 1 | 5 | 5 | 1 | 84 | 1 | 10 |
| MM950N 250E | .4 | 18 | 112 | 8 | 28 | 416 | 1 | 44 | 6 | 2 | 210 | 2 | 5 |

PROJECT NO: MINTO

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-4775/P1+2

ATTENTION: BRIAN GAME

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM * DATE: MAY 9, 1988

| (VALUES IN PPM) | AG | AS | CU | PB | SB | ZN | AU-PPB |
|------------------|-----|-----|-----|----|----|-----|--------|
| 50N 875W | .6 | 82 | 141 | 60 | 3 | 195 | 10 |
| 50N 900W | .8 | 41 | 138 | 38 | 3 | 153 | 5 |
| 50N 900WDUP 40M | .5 | 84 | 128 | 51 | 3 | 185 | 5 |
| 50N 975W | .8 | 24 | 115 | 48 | 1 | 204 | 5 |
| 50N 975WDUP | 2.9 | 45 | 65 | 40 | 2 | 159 | 5 |
| 50N 1000W | .1 | 13 | 156 | 63 | 1 | 195 | 5 |
| 50N 1025W | 2.0 | 30 | 95 | 40 | 1 | 153 | 5 |
| 50N 1050W | N/S | | | | | | |
| 50N 1075W | 1.2 | 21 | 17 | 29 | 1 | 81 | 10 |
| 50N 1100W | 1.1 | 30 | 64 | 34 | 1 | 150 | 5 |
| 50N 1125W | 2.1 | 31 | 81 | 31 | 1 | 154 | 10 |
| 50N 1150W | 1.6 | 45 | 52 | 29 | 1 | 95 | 5 |
| 50N 1175W | N/S | | | | | | |
| 50N 1200W | 1.5 | 26 | 30 | 27 | 1 | 97 | 5 |
| 100N 1075W | 1.3 | 33 | 37 | 35 | 1 | 138 | 10 |
| 100N 1100W | 1.0 | 28 | 39 | 33 | 1 | 124 | 5 |
| 100N 1125W | 1.4 | 33 | 41 | 30 | 1 | 127 | 5 |
| 100N 1150W | .9 | 24 | 34 | 37 | 1 | 123 | 5 |
| 100N 1175W | .9 | 26 | 29 | 34 | 1 | 108 | 10 |
| 150N 1000W | 2.6 | 33 | 63 | 28 | 1 | 123 | 5 |
| 150N 1025W | 6.8 | 51 | 67 | 28 | 1 | 152 | 5 |
| 150N 1050W | N/S | | | | | | |
| 150N 1075W | N/S | | | | | | |
| 150N 1100W | 1.4 | 37 | 122 | 46 | 1 | 197 | 5 |
| 150N 1125W | 1.0 | 30 | 81 | 34 | 1 | 140 | 5 |
| 150N 1175W | .6 | 42 | 57 | 37 | 3 | 167 | 5 |
| 150N 1200W | 1.1 | 38 | 57 | 29 | 2 | 142 | 10 |
| 150N 1225W | 3.8 | 22 | 24 | 31 | 1 | 171 | 5 |
| 150N 1275W | .9 | 32 | 32 | 26 | 1 | 149 | 5 |
| 150N 1300W | 1.3 | 38 | 15 | 37 | 1 | 124 | 10 |
| 200N 950W | .2 | 16 | 165 | 63 | 6 | 199 | 20 |
| 200N 975W | .8 | 25 | 87 | 40 | 1 | 146 | 5 |
| 200N 1000W | 1.0 | 37 | 100 | 43 | 3 | 178 | 5 |
| 200N 1025W | 2.4 | 42 | 100 | 45 | 2 | 159 | 10 |
| 200N 1050W | 2.4 | 22 | 98 | 38 | 1 | 214 | 5 |
| 200N 1075W | 1.0 | 32 | 58 | 37 | 1 | 167 | 5 |
| 200N 1100W | 1.3 | 45 | 80 | 33 | 1 | 146 | 5 |
| 200N 1125W | 1.8 | 32 | 50 | 27 | 1 | 105 | 10 |
| 200N 1150W | 1.3 | 34 | 46 | 32 | 1 | 104 | 5 |
| 200N 1175W | 1.2 | 20 | 14 | 32 | 1 | 90 | 5 |
| 200N 1200W | .8 | 39 | 80 | 25 | 3 | 140 | 5 |
| 200N 1225W | .7 | 34 | 52 | 41 | 1 | 199 | 5 |
| 200N 1250W | 1.3 | 39 | 28 | 35 | 2 | 106 | 5 |
| 200N 1275W | 1.1 | 34 | 34 | 36 | 1 | 168 | 5 |
| 200N 1300W | 1.2 | 34 | 24 | 32 | 1 | 126 | 5 |
| 200N 1325W | 1.3 | 34 | 22 | 32 | 1 | 113 | 10 |
| 200N 1350W | 1.3 | 33 | 22 | 34 | 1 | 78 | 5 |
| 200N 1375W | 1.3 | 38 | 33 | 31 | 1 | 113 | 5 |
| 200N 1400W | 1.0 | 27 | 20 | 30 | 1 | 87 | 5 |
| 200N 1425W | 1.0 | 26 | 46 | 41 | 1 | 168 | 5 |
| 200N 1450W | .9 | 33 | 70 | 39 | 1 | 147 | 10 |
| 200N 1475W | .9 | 31 | 51 | 31 | 1 | 110 | 5 |
| 200N 1500W | 1.2 | 33 | 45 | 39 | 2 | 76 | 5 |
| 200N 1525W | 1.1 | 41 | 68 | 35 | 1 | 100 | 5 |
| 250N 725W | N/S | | | | | | |
| 250N 750W | .8 | 82 | 25 | 37 | 11 | 97 | 20 |
| 250N 775W | .8 | 169 | 63 | 29 | 11 | 83 | 50 |
| 250N 800W | .7 | 133 | 52 | 42 | 25 | 149 | 5 |
| 250N 825W | .8 | 56 | 87 | 40 | 6 | 141 | 5 |
| 250N 850W | 1.4 | 26 | 33 | 27 | 2 | 59 | 5 |

PROJECT NO: MINTO

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-477S/P3+4

ATTENTION: BRIAN GAME

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM * DATE: MAY 9, 1988

| (VALUES IN PPM) | AS | AS | CU | PB | SB | ZN | AU-PPB |
|-----------------|-----|-----|-----|-----|----|-----|--------|
| 250N 875W | .7 | 28 | 73 | 32 | 1 | 104 | 5 |
| 250N 1000W | .6 | 28 | 101 | 40 | 1 | 177 | 5 |
| 250N 1025W | .7 | 49 | 114 | 32 | 2 | 193 | 5 |
| 250N 1050W | 1.6 | 39 | 82 | 31 | 1 | 115 | 10 |
| 250N 1075W | 3.6 | 49 | 37 | 30 | 1 | 84 | 5 |
| 250N 1100W | 1.5 | 34 | 44 | 25 | 1 | 99 | 5 |
| 250N 1125W | 1.0 | 30 | 20 | 24 | 1 | 67 | 10 |
| 250N 1150W | 1.1 | 26 | 20 | 26 | 1 | 77 | 10 |
| 250N 1175W | 1.1 | 32 | 22 | 31 | 1 | 119 | 5 |
| 250N 1200W | 1.0 | 40 | 26 | 28 | 1 | 109 | 10 |
| 250N 1225W | 1.1 | 40 | 29 | 30 | 1 | 128 | 5 |
| 250N 1250W | 1.0 | 33 | 30 | 29 | 1 | 111 | 5 |
| 250N 1275W | 1.2 | 44 | 31 | 29 | 1 | 116 | 5 |
| 250N 1300W | 1.3 | 46 | 32 | 27 | 1 | 143 | 5 |
| 250N 1325W | 1.0 | 36 | 18 | 23 | 1 | 101 | 10 |
| 250N 1350W | 1.0 | 42 | 32 | 27 | 1 | 125 | 10 |
| 250N 1375W | 1.1 | 32 | 31 | 31 | 1 | 127 | 5 |
| 250N 1400W | 1.0 | 40 | 34 | 28 | 1 | 117 | 5 |
| 250N 1425W | 1.0 | 39 | 38 | 29 | 1 | 120 | 10 |
| 250N 1450W | 1.0 | 33 | 34 | 29 | 1 | 108 | 5 |
| 250N 1475W | 2.3 | 44 | 3 | 21 | 2 | 10 | 5 |
| 250N 1500W | 1.0 | 32 | 31 | 27 | 1 | 105 | 10 |
| 250N 1525W | 1.0 | 47 | 27 | 32 | 1 | 89 | 10 |
| 250N 1550W | 1.0 | 41 | 24 | 25 | 1 | 89 | 5 |
| 250N 1575W | 1.2 | 46 | 21 | 21 | 1 | 86 | 10 |
| 300N 575W | 1.0 | 509 | 38 | 52 | 33 | 156 | 270 |
| 300N 600W | .8 | 549 | 33 | 46 | 38 | 176 | 330 |
| 300N 625W | 1.2 | 989 | 60 | 64 | 64 | 171 | 825 |
| 300N 650W | N/S | | | | | | |
| 300N 675W | .8 | 157 | 43 | 48 | 4 | 171 | 85 |
| 300N 700W | .8 | 85 | 28 | 45 | 3 | 119 | 30 |
| 300N 725W | 1.1 | 141 | 21 | 66 | 8 | 150 | 50 |
| 300N 750W | 1.5 | 95 | 31 | 95 | 6 | 177 | 810 |
| 300N 775W 40M | 1.3 | 102 | 14 | 51 | 1 | 105 | 20 |
| 300N 800W 40M | 1.0 | 84 | 113 | 47 | 18 | 258 | 40 |
| 300N 825W 20M | 1.2 | 171 | 50 | 15 | 15 | 66 | 140 |
| 300N 850W | 1.0 | 116 | 55 | 23 | 1 | 126 | 5 |
| 300N 875W | 1.0 | 44 | 55 | 33 | 2 | 167 | 10 |
| 300N 900W | .9 | 44 | 43 | 29 | 1 | 128 | 5 |
| 300N 925W | 1.0 | 33 | 55 | 32 | 1 | 119 | 5 |
| 300N 950W | 1.3 | 46 | 51 | 37 | 2 | 121 | 5 |
| 300N 975W | .6 | 48 | 75 | 42 | 3 | 122 | 10 |
| 300N 1000W | .5 | 33 | 104 | 39 | 3 | 171 | 10 |
| 300N 1025W | 1.0 | 38 | 37 | 29 | 1 | 101 | 5 |
| 300N 1050W | 1.4 | 32 | 21 | 35 | 1 | 107 | 5 |
| 300N 1075W | 1.3 | 33 | 22 | 27 | 1 | 66 | 5 |
| 300N 1100W | 1.0 | 20 | 28 | 27 | 1 | 109 | 5 |
| 300N 1125W | 1.3 | 31 | 30 | 31 | 1 | 115 | 5 |
| 300N 1150W | 1.3 | 25 | 17 | 26 | 1 | 111 | 5 |
| 300N 1175W | 1.2 | 28 | 22 | 31 | 1 | 152 | 5 |
| 300N 1200W | 1.1 | 31 | 19 | 29 | 1 | 134 | 5 |
| 350N 500W | .9 | 80 | 26 | 45 | 5 | 186 | 10 |
| 350N 525W ROCK | .4 | 20 | 32 | 24 | 1 | 128 | 5 |
| 350N 550W | 1.0 | 229 | 30 | 51 | 8 | 300 | 100 |
| 350N 575W | 1.1 | 218 | 27 | 59 | 16 | 331 | 150 |
| 350N 600W | 1.0 | 370 | 26 | 60 | 21 | 152 | 70 |
| 350N 625W 40M | 1.0 | 610 | 31 | 78 | 35 | 201 | 600 |
| 350N 650W 20M | 1.5 | 296 | 87 | 135 | 35 | 208 | 120 |
| 350N 675W 40M | 1.0 | 87 | 24 | 44 | 6 | 102 | 30 |
| 350N 700W | .9 | 134 | 14 | 54 | 5 | 140 | 80 |

COMPANY: AVINO MINES
 PROJECT NO: MINTO
 ATTENTION: BRIAN GAME

MIN-EN LABS ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

(ACT:F31) PAGE 1 OF 1
 FILE NO: 8-4775/P5+6
 * TYPE SOIL GEOCHEM * DATE: MAY 9, 1988

| (VALUES IN PPM) | AG | AS | CU | PB | SB | ZN | AU-PPB |
|-----------------|-----|-----|-----|-----|----|-----|--------|
| 350N 725W N/S | | | | | | | |
| 350N 750W 40M | 1.0 | 84 | 12 | 50 | 3 | 114 | 120 |
| 350N 775W 40M | 5.8 | 77 | 23 | 171 | 8 | 246 | 2700 |
| 350N 800W 20M | 1.0 | 115 | 24 | 85 | 35 | 191 | 50 |
| 350N 825W | 1.3 | 103 | 31 | 31 | 5 | 95 | 20 |
| 350N 850W | .6 | 68 | 69 | 33 | 4 | 176 | 5 |
| 350N 875W | .8 | 66 | 51 | 30 | 2 | 139 | 15 |
| 350N 900W 40M | .8 | 68 | 38 | 27 | 2 | 112 | 10 |
| 350N 925W ROCK | .1 | 46 | 241 | 30 | 1 | 95 | 5 |
| 350N 950W | .6 | 76 | 48 | 38 | 8 | 183 | 5 |
| 350N 975W | .8 | 42 | 52 | 33 | 1 | 165 | 5 |
| 350N 1000W 40M | .6 | 47 | 65 | 39 | 1 | 194 | 5 |
| 350N 1025W 40M | .1 | 53 | 96 | 53 | 4 | 158 | 10 |
| 350N 1050W 40M | .1 | 50 | 104 | 45 | 2 | 176 | 5 |
| 350N 1075W | 1.2 | 37 | 36 | 28 | 1 | 224 | 5 |
| 350N 1100W | 1.2 | 31 | 32 | 29 | 1 | 124 | 20 |
| 350N 1125W | 1.2 | 31 | 42 | 29 | 1 | 127 | 25 |
| 350N 1150W | 1.1 | 33 | 38 | 29 | 1 | 183 | 10 |
| 350N 1175W | 1.2 | 44 | 28 | 28 | 1 | 161 | 5 |
| 350N 1200W | 1.3 | 42 | 27 | 31 | 1 | 131 | 10 |
| 400N 000W 20M | 1.4 | 77 | 22 | 41 | 5 | 232 | 5 |
| 400N 025W | 1.3 | 67 | 13 | 38 | 1 | 288 | 5 |
| 400N 050W 40M | 1.3 | 78 | 39 | 43 | 5 | 327 | 45 |
| 400N 075W | 1.3 | 108 | 38 | 32 | 3 | 181 | 65 |
| 400N 100W 40M | 1.3 | 156 | 33 | 161 | 4 | 901 | 45 |
| 400N 125W | 1.5 | 91 | 37 | 30 | 6 | 273 | 5 |
| 400N 150W N/S | | | | | | | |
| 400N 175W | 1.3 | 69 | 41 | 34 | 3 | 133 | 5 |
| 400N 200W 40M | .9 | 60 | 29 | 34 | 3 | 120 | 5 |
| 400N 225W 40M | 1.4 | 54 | 24 | 32 | 2 | 146 | 5 |
| 400N 250W ROCK | 1.8 | 14 | 3 | 30 | 1 | 67 | 10 |
| 400N 275W ROCK | 2.7 | 10 | 1 | 31 | 1 | 74 | 5 |
| 400N 300W 40M | 1.5 | 47 | 46 | 39 | 3 | 231 | 5 |
| 400N 325W 40M | 1.5 | 76 | 27 | 46 | 5 | 152 | 30 |
| 400N 350W 40M | 1.4 | 45 | 30 | 35 | 2 | 177 | 10 |
| 400N 375W 40M | 1.1 | 61 | 39 | 37 | 3 | 161 | 5 |
| 400N 400W 40M | 1.2 | 72 | 39 | 43 | 3 | 185 | 10 |
| 400N 425W 40M | 1.5 | 80 | 34 | 35 | 4 | 172 | 5 |
| 400N 450W | 1.1 | 72 | 28 | 38 | 3 | 154 | 10 |
| 400N 475W | 1.4 | 68 | 25 | 39 | 3 | 130 | 5 |
| 400N 500W | 1.1 | 78 | 59 | 40 | 5 | 268 | 10 |
| 400N 525W | 1.5 | 126 | 48 | 38 | 9 | 196 | 10 |
| 400N 550W | 1.3 | 126 | 33 | 45 | 8 | 228 | 5 |
| 400N 575W 40M | 1.5 | 113 | 35 | 87 | 7 | 466 | 120 |
| 400N 600W ROCK | 1.9 | 45 | 6 | 41 | 1 | 415 | 10 |
| 400N 625W | 1.3 | 159 | 55 | 59 | 8 | 218 | 115 |
| 400N 650W | 1.3 | 202 | 41 | 45 | 6 | 154 | 15 |
| 400N 675W 20M | 1.5 | 77 | 22 | 30 | 3 | 193 | 5 |
| 400N 700W | 1.3 | 429 | 37 | 203 | 4 | 379 | 50 |
| 400N 725W 40M | 1.1 | 66 | 39 | 39 | 2 | 129 | 40 |
| 400N 750W 40M | .9 | 84 | 1 | 53 | 4 | 207 | 60 |
| 400N 775W ROCK | .5 | 83 | 1 | 59 | 2 | 108 | 10 |
| 400N 800W | 1.2 | 60 | 20 | 67 | 2 | 188 | 45 |
| 400N 825W | .8 | 139 | 38 | 54 | 6 | 160 | 95 |
| 400N 850W | 1.0 | 37 | 31 | 37 | 1 | 172 | 10 |
| 400N 875W | .8 | 46 | 27 | 32 | 1 | 124 | 5 |
| 400N 900W | 1.1 | 30 | 28 | 28 | 1 | 132 | 5 |
| 400N 925W | .9 | 40 | 38 | 28 | 1 | 136 | 5 |
| 400N 950W | 1.1 | 38 | 18 | 27 | 1 | 141 | 5 |
| 400N 975W 40M | .3 | 30 | 41 | 27 | 1 | 92 | 5 |

| (VALUES IN PPM) | AG | AS | CU | PB | SB | ZN | AU-PPB |
|------------------|-----|-----|-----|-----|----|-----|--------|
| 400N 1000W | .6 | 29 | 75 | 36 | 1 | 257 | 40 |
| 400N 1025W 40M | .7 | 39 | 68 | 38 | 2 | 139 | 5 |
| 400N 1050W 20M | .3 | 32 | 107 | 57 | 4 | 168 | 5 |
| 400N 1075W | 1.3 | 38 | 30 | 33 | 1 | 114 | 10 |
| 400N 1100W | 1.5 | 28 | 18 | 33 | 1 | 117 | 5 |
| 400N 1125W | 1.4 | 23 | 21 | 31 | 1 | 102 | 5 |
| 400N 1150W 40M | 1.7 | 35 | 11 | 30 | 1 | 60 | 5 |
| 400N 1175W | 1.5 | 27 | 9 | 34 | 1 | 79 | 20 |
| 400N 1200W 20M | 1.5 | 38 | 29 | 33 | 1 | 117 | 5 |
| 400N 1225W | 1.3 | 31 | 15 | 31 | 1 | 106 | 5 |
| 400N 1250W | 1.5 | 34 | 16 | 32 | 1 | 94 | 25 |
| 450N 450W | 1.2 | 86 | 34 | 37 | 4 | 172 | 5 |
| 450N 475W | 1.3 | 85 | 33 | 34 | 5 | 199 | 20 |
| 450N 500W | 1.3 | 112 | 27 | 35 | 5 | 157 | 5 |
| 450N 525W | 1.2 | 104 | 58 | 38 | 5 | 163 | 30 |
| 450N 550W | 1.3 | 99 | 37 | 41 | 3 | 166 | 5 |
| 450N 575W 40M | 1.3 | 113 | 31 | 38 | 5 | 133 | 10 |
| 450N 600W | .8 | 84 | 39 | 46 | 3 | 510 | 5 |
| 450N 625W | 1.1 | 108 | 57 | 82 | 5 | 217 | 15 |
| 450N 650W 20M | 1.2 | 158 | 23 | 52 | 8 | 202 | 220 |
| 450N 675W | 1.1 | 94 | 35 | 42 | 2 | 175 | 5 |
| 450N 700W 40M | 1.0 | 69 | 27 | 38 | 5 | 138 | 5 |
| 450N 725W 40M | 1.1 | 35 | 18 | 34 | 1 | 121 | 10 |
| 450N 750W 40M | 1.2 | 209 | 14 | 68 | 3 | 164 | 75 |
| 450N 775W | 1.1 | 61 | 32 | 51 | 2 | 193 | 10 |
| 450N 800W 40M | .7 | 57 | 23 | 75 | 3 | 224 | 20 |
| 450N 825W ROCK | .2 | 23 | 2 | 35 | 1 | 102 | 5 |
| 450N 850W 40M | 1.2 | 50 | 21 | 43 | 1 | 134 | 5 |
| 450N 875W 40M | 1.0 | 111 | 46 | 27 | 3 | 94 | 5 |
| 450N 900W | .8 | 37 | 44 | 31 | 4 | 165 | 5 |
| 450N 925W 40M | .6 | 49 | 23 | 29 | 1 | 132 | 5 |
| 450N 950W | 1.2 | 48 | 15 | 28 | 1 | 66 | 10 |
| 450N 975W N/S | | | | | | | |
| 450N 1000W 40M | 1.5 | 41 | 11 | 28 | 1 | 75 | 5 |
| 450N 1025W N/S | | | | | | | |
| 450N 1050W | 1.5 | 50 | 16 | 28 | 1 | 79 | 5 |
| 450N 1075W | 1.3 | 38 | 43 | 38 | 1 | 125 | 10 |
| 450N 1100W | 1.5 | 41 | 25 | 35 | 1 | 78 | 5 |
| 450N 1125W | 1.2 | 23 | 5 | 23 | 1 | 70 | 5 |
| 450N 1150W | 1.5 | 39 | 21 | 30 | 1 | 107 | 5 |
| 450N 1175W | 1.5 | 37 | 20 | 32 | 1 | 132 | 5 |
| 450N 1200W | 1.5 | 49 | 25 | 31 | 1 | 102 | 5 |
| 450N 1225W | 1.4 | 42 | 21 | 31 | 1 | 96 | 10 |
| 450N 1250W | 1.5 | 41 | 34 | 28 | 1 | 121 | 5 |
| 500N 300W | 1.3 | 29 | 7 | 27 | 1 | 45 | 5 |
| 500N 325W | 1.1 | 72 | 48 | 32 | 2 | 89 | 5 |
| 500N 350W 20M | 2.8 | 45 | 17 | 29 | 2 | 138 | 20 |
| 500N 375W | 1.5 | 43 | 33 | 29 | 1 | 76 | 10 |
| 500N 400W 40M | 1.3 | 70 | 33 | 33 | 3 | 122 | 10 |
| 500N 425W 40M | 1.3 | 76 | 43 | 37 | 3 | 203 | 5 |
| 500N 450W | 1.3 | 54 | 23 | 28 | 1 | 122 | 5 |
| 500N 475W 40M | 1.5 | 108 | 29 | 29 | 3 | 152 | 5 |
| 500N 500W 40M | .9 | 71 | 35 | 32 | 2 | 137 | 5 |
| 500N 525W 40M | 1.1 | 68 | 38 | 37 | 2 | 212 | 10 |
| 500N 550W ROCK | 2.5 | 33 | 36 | 34 | 1 | 103 | 5 |
| 500N 575W 40M | 1.1 | 58 | 23 | 33 | 3 | 121 | 5 |
| 500N 600W | .8 | 73 | 24 | 38 | 2 | 148 | 5 |
| 500N 625W 40M | 1.2 | 81 | 18 | 44 | 6 | 110 | 5 |
| 500N 650W 20M | .8 | 391 | 55 | 100 | 5 | 176 | 400 |
| 500N 675W 40M | .8 | 275 | 25 | 105 | 10 | 232 | 50 |

PROJECT NO: MINTO

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-4775/P9+10

ATTENTION: BRIAN GAME

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM * DATE: MAY 9, 1988

| (VALUES IN PPM) | AG | AS | CU | PB | SB | ZN | AU-PPB |
|------------------|-----|-----|-----|-----|-----|------|--------|
| 500N 700W 20M | .8 | 196 | 108 | 171 | 17 | 239 | 190 |
| 500N 725W 40M | .8 | 335 | 25 | 44 | 7 | 158 | 55 |
| 500N 750W | 1.2 | 89 | 22 | 38 | 3 | 138 | 30 |
| 500N 775W 40M | 1.1 | 75 | 25 | 43 | 3 | 166 | 5 |
| 500N 800W | 1.5 | 214 | 40 | 93 | 14 | 190 | 115 |
| 500N 825W | 1.0 | 102 | 22 | 38 | 7 | 115 | 25 |
| 500N 850W | .8 | 81 | 20 | 29 | 5 | 107 | 5 |
| 500N 875W 40M | .5 | 38 | 20 | 29 | 2 | 118 | 10 |
| 500N 900W 40M | .6 | 74 | 43 | 18 | 1 | 75 | 5 |
| 500N 925W | 1.0 | 77 | 31 | 29 | 3 | 138 | 5 |
| 500N 950W | N/S | | | | | | |
| 500N 975W | 1.3 | 34 | 18 | 29 | 1 | 113 | 5 |
| 500N 1000W | 1.3 | 37 | 22 | 30 | 1 | 157 | 5 |
| 500N 1025W | 1.3 | 40 | 13 | 29 | 1 | 57 | 10 |
| 500N 1050W 40M | 1.3 | 33 | 26 | 29 | 1 | 67 | 5 |
| 500N 1075W | 1.4 | 32 | 20 | 28 | 1 | 94 | 5 |
| 500N 1100W | 1.3 | 35 | 29 | 28 | 1 | 145 | 5 |
| 500N 1125W | 1.3 | 32 | 21 | 27 | 1 | 128 | 10 |
| 500N 1150W | N/S | | | | | | |
| 500N 1175W | 1.4 | 32 | 26 | 33 | 1 | 201 | 5 |
| 500N 1200W | 1.5 | 36 | 26 | 30 | 1 | 204 | 5 |
| 500N 1225W | 1.4 | 30 | 21 | 32 | 1 | 155 | 5 |
| 500N 1250W | 1.4 | 33 | 18 | 31 | 1 | 124 | 10 |
| 700N 000W | 1.6 | 156 | 47 | 30 | 2 | 442 | 75 |
| 700N 025W | 1.1 | 197 | 34 | 46 | 8 | 988 | 500 |
| 700N 050W | 1.4 | 91 | 21 | 33 | 1 | 253 | 5 |
| 700N 075W | 1.3 | 49 | 29 | 37 | 3 | 224 | 5 |
| 700N 100W | 1.3 | 55 | 32 | 34 | 2 | 292 | 5 |
| 700N 125W | 1.2 | 113 | 37 | 36 | 3 | 195 | 5 |
| 700N 150W | 1.3 | 45 | 28 | 29 | 1 | 118 | 10 |
| 700N 175W | 1.3 | 65 | 36 | 31 | 2 | 104 | 5 |
| 700N 200W | N/S | | | | | | |
| 700N 225W | 1.1 | 95 | 25 | 26 | 19 | 164 | 15 |
| 700N 250W | 1.4 | 54 | 29 | 30 | 2 | 138 | 10 |
| 700N 275W | 1.0 | 58 | 95 | 37 | 244 | 356 | 10 |
| 700N 300W | N/S | | | | | | |
| 700N 325W | N/S | | | | | | |
| 700N 350W | N/S | | | | | | |
| 750N 000W | 1.8 | 179 | 50 | 29 | 5 | 263 | 90 |
| 750N 025W | 1.3 | 62 | 24 | 35 | 2 | 570 | 940 |
| 750N 050W | 1.3 | 74 | 39 | 25 | 1 | 404 | 25 |
| 750N 075W | 1.3 | 55 | 21 | 26 | 1 | 698 | 40 |
| 750N 100W | 1.3 | 48 | 22 | 28 | 1 | 196 | 10 |
| 750N 125W | 1.1 | 49 | 53 | 49 | 1 | 965 | 10 |
| 750N 150W | 1.3 | 46 | 35 | 26 | 1 | 132 | 15 |
| 750N 175W | 1.3 | 37 | 26 | 29 | 1 | 93 | 10 |
| 750N 200W | 1.4 | 34 | 28 | 31 | 1 | 171 | 5 |
| 750N 225W | 1.5 | 48 | 27 | 28 | 1 | 129 | 10 |
| 750N 250W | N/S | | | | | | |
| 750N 275W | N/S | | | | | | |
| 750N 300W | N/S | | | | | | |
| 750N 325W | N/S | | | | | | |
| 800N 000W | 1.5 | 85 | 46 | 35 | 1 | 262 | 40 |
| 800N 025W | 1.4 | 42 | 17 | 32 | 1 | 1436 | 50 |
| 800N 050W | 1.3 | 21 | 14 | 35 | 1 | 2387 | 10 |
| 800N 075W | 1.4 | 43 | 34 | 32 | 2 | 768 | 5 |
| 800N 100W | 1.2 | 36 | 28 | 31 | 1 | 348 | 15 |
| 800N 125W | 1.2 | 34 | 16 | 28 | 1 | 109 | 10 |
| 800N 150W | N/S | | | | | | |
| 800N 175W | N/S | | | | | | |

COMPANY: AVINDO MINES

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO: MINTO

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-477S/P11

ATTENTION: BRIAN GAME

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM * DATE: MAY 9, 1988

| (VALUES IN PPM) | AG | AS | CU | PB | SB | ZN |
|------------------|-----|----|----|----|----|-----|
| 800N 200W | 1.3 | 37 | 29 | 27 | 1 | 134 |
| 800N 225W | 1.5 | 52 | 27 | 26 | 1 | 183 |
| 800N 250W | N/S | | | | | |
| 800N 275W | N/S | | | | | |
| 800N 300W | N/S | | | | | |
| 800N 325W | N/S | | | | | |

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

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

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK - 26 ELEMENT ICP

Ag, Al, As, B, Bi, Ca, Cd, Co, Cu, Fe, K, Mg, Mn, Mo,
Na, Ni, P, Pb, Sb, Sr, Th, U, V, Zn

Samples are 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 by jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HNO₃ and HClO₄ mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by Computer operated Jarrell Ash 9000ICP. Inductively coupled Plasma Analyser. Reports are formatted by routing computer dotline print out.

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

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

GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

Geochemical samples for 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 5.0 or 10.0 grams are pretreated with HNO_3 and HClO_4 mixture.

After pretreatments the samples are digested with Agua 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 0.005 ppm (5ppb).

MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON AG

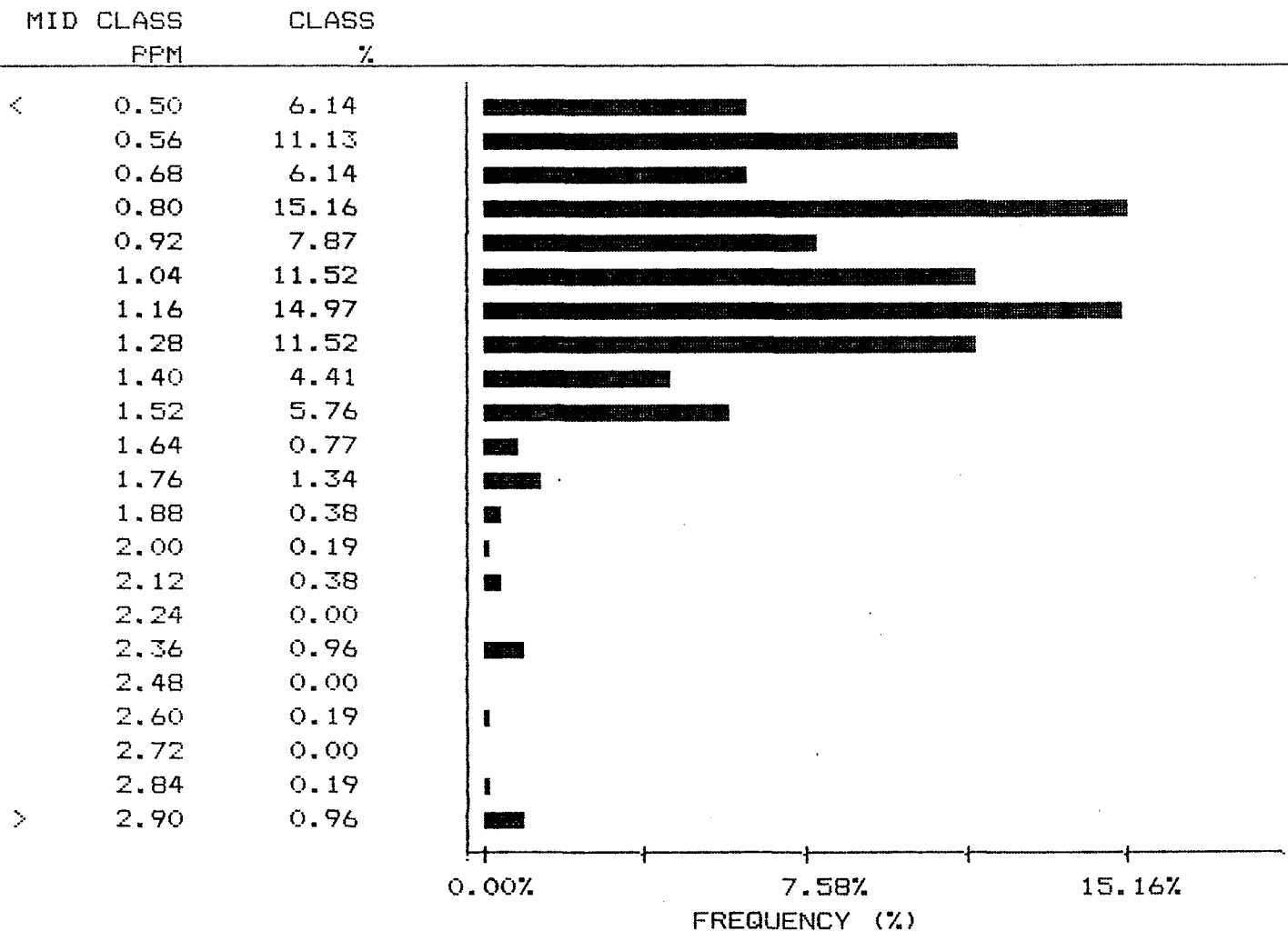
COMPANY: AVINO MINES
 ATTN: BRIAN GAME
 PROJECT: MINTO
 FILE#: 7-903 & 8-477

DATE: AUGUST 23, 1988
 SAMPLE TYPE: SOIL
 ANALYSIS TYPE: GEOCHEM

NUMBER OF SAMPLES: 521
 MAXIMUM VALUE: 6.8 PPM
 MINIMUM VALUE: 0.1 PPM
 MEAN: 1.0 PPM
 STD. DEVIATION: 0.6 PPM
 COEFF. OF VARIATION: 0.6

5 HIGHEST AG VALUES:
 150N 1025W 6.8 PPM
 MM950N 250W 6.3 PPM
 350N 775W 40M 5.8 PPM
 150N 1225W 3.8 PPM
 250N 1075W 3.6 PPM

HISTOGRAM FOR AG CLASS INTERVAL = 0.12



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

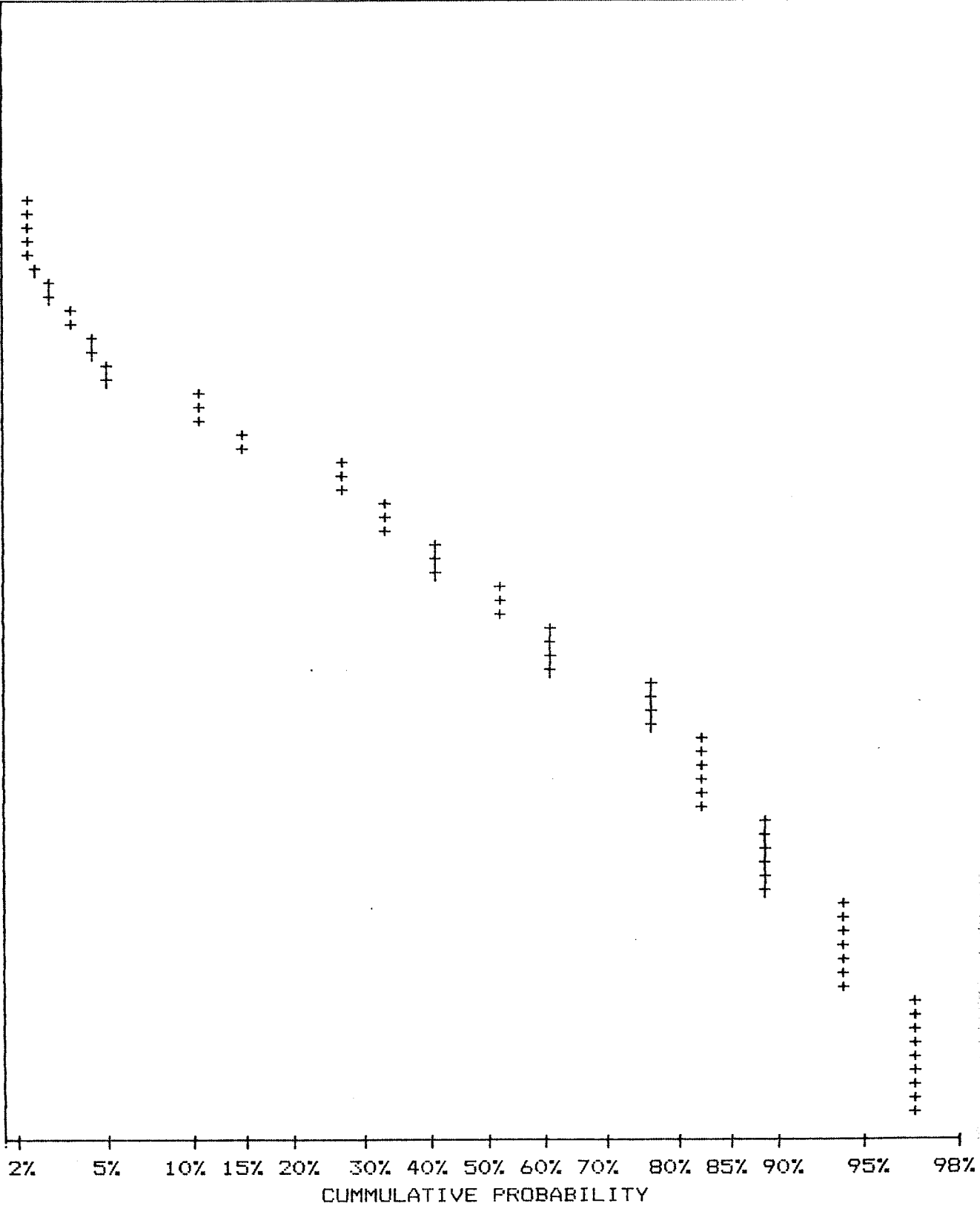
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON AG

COMPANY: AVINO MINES
 ATTN: BRIAN GAME
 PROJECT: MINTO
 FILE#: 7-903 & 8-477

DATE: AUGUST 23, 1988
 SAMPLE TYPE: SOIL
 ANALYSIS TYPE: GEOCHEM

| UPPER LIMIT (PPM) | CUMMUL. FREQ. (%) |
|--------------------------|-------------------------|
| 2.81 | 0.96 |
| 2.65 | 1.15 |
| 2.49 | 1.34 |
| 2.35 | 1.73 |
| 2.21 | 2.30 |
| 2.08 | 2.69 |
| 1.96 | 2.88 |
| 1.84 | 3.26 |
| 1.73 | 4.03 |
| 1.63 | 4.61 |
| 1.54 | 5.37 |
| 1.45 | 11.13 |
| 1.36 | 15.55 |
| 1.28 | 27.06 |
| 1.21 | 27.06 |
| 1.14 | 33.78 |
| 1.07 | 42.03 |
| 1.01 | 42.03 |
| 0.95 | 53.55 |
| 0.89 | 61.42 |
| 0.84 | 61.42 |
| 0.79 | 76.58 |
| 0.74 | 76.58 |
| 0.70 | 82.73 |
| 0.66 | 82.73 |
| 0.62 | 82.73 |
| 0.58 | 89.25 |
| 0.55 | 89.25 |
| 0.52 | 89.25 |
| 0.49 | 93.86 |
| 0.46 | 93.86 |
| 0.43 | 93.86 |
| 0.41 | 93.86 |
| 0.38 | 96.74 |
| 0.36 | 96.74 |
| 0.34 | 96.74 |
| 0.32 | 96.74 |
| 0.30 | 98.08 |



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON AS

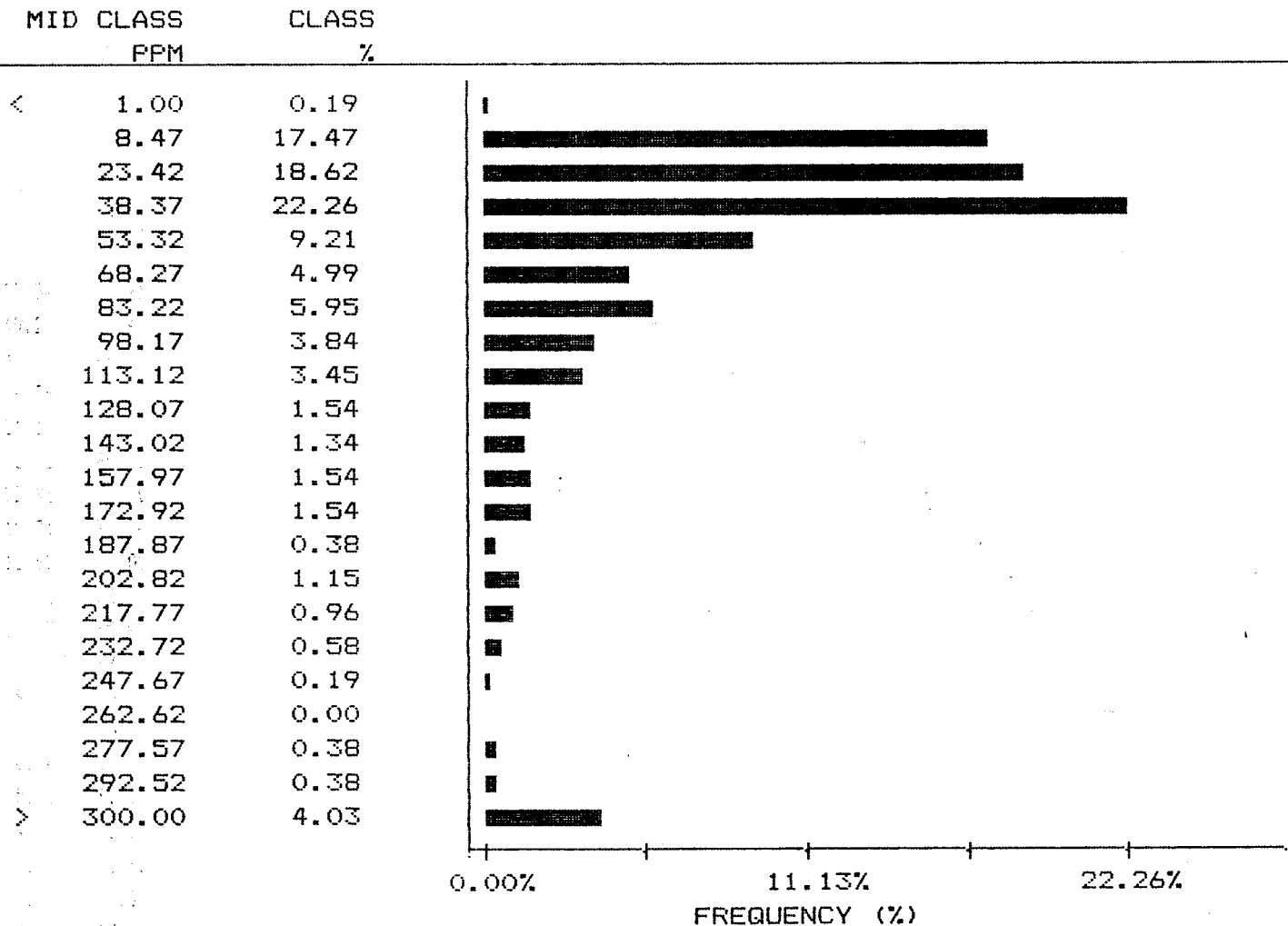
COMPANY: AVINO MINES
 ATTN: BRIAN GAME
 PROJECT: MINTO
 FILE#: 7-903 & 8-477

DATE: AUGUST 23, 1988
 SAMPLE TYPE: SOIL
 ANALYSIS TYPE: GEOCHEM

NUMBER OF SAMPLES: 521
 MAXIMUM VALUE: 1272.0 PPM
 MINIMUM VALUE: 1.0 PPM
 MEAN: 76.9 PPM
 STD. DEVIATION: 131.1 PPM
 COEFF. OF VARIATION: 1.7

5 HIGHEST AS VALUES:
 MM550N 450E 1272.0 PPM
 MM700N 300E 1189.0 PPM
 MM250N 350E 1024.0 PPM
 300N 625W 989.0 PPM
 MM450N 375E 794.0 PPM

HISTOGRAM FOR AS CLASS INTERVAL = 14.95



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

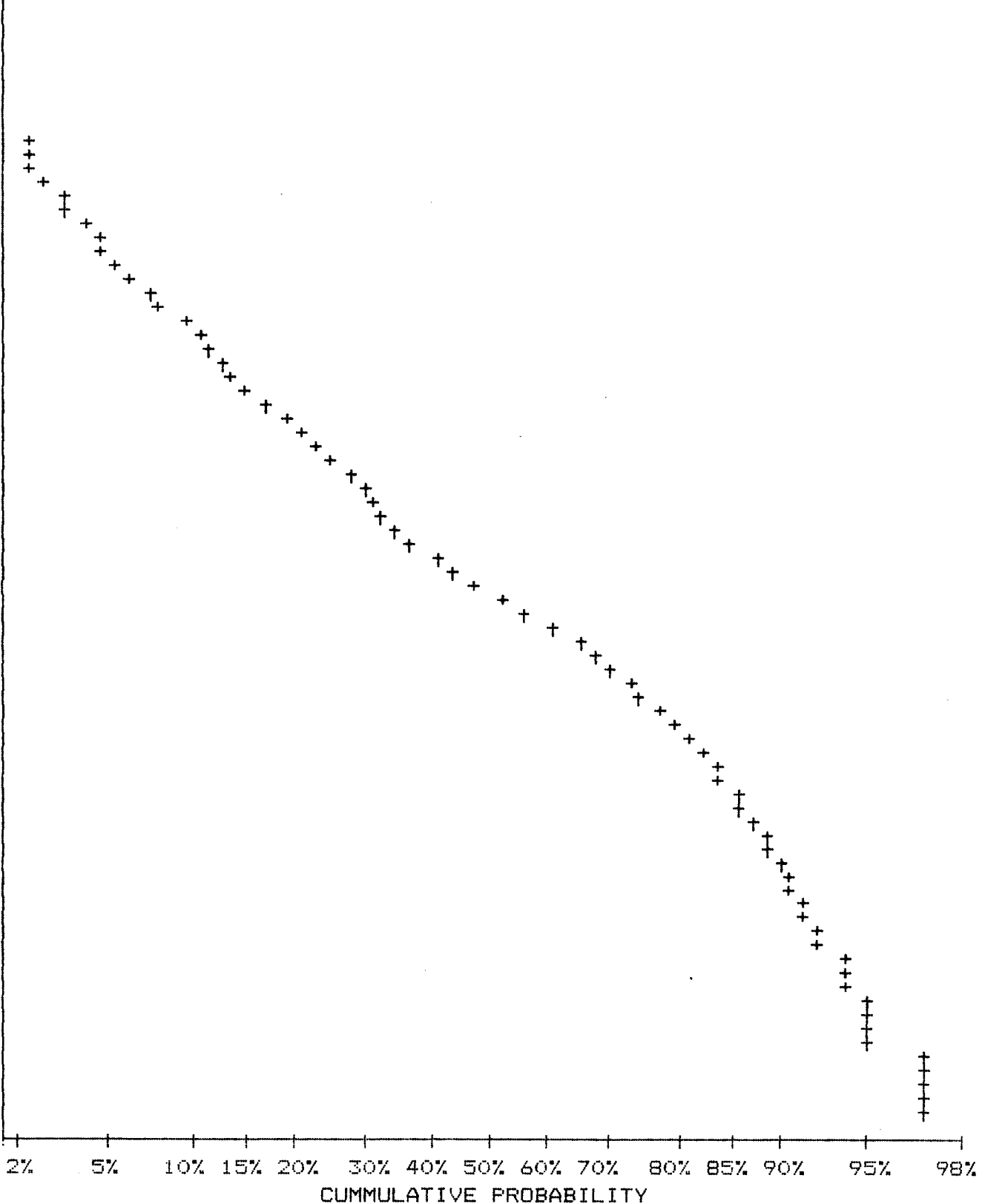
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON AS

COMPANY: AVINO MINES
 ATTN: BRIAN GAME
 PROJECT: MINTO
 FILE#: 7-903 & 8-477

DATE: AUGUST 23, 1988
 SAMPLE TYPE: SOIL
 ANALYSIS TYPE: GEOCHEM

| UPPER LIMIT (PPM) | CUMMUL. FREQ. (%) |
|--------------------------|-------------------------|
| 565.20 | 0.96 |
| 485.24 | 1.92 |
| 416.59 | 2.50 |
| 357.65 | 3.07 |
| 307.05 | 3.84 |
| 263.61 | 4.80 |
| 226.32 | 5.57 |
| 194.30 | 7.68 |
| 166.81 | 9.60 |
| 143.21 | 11.52 |
| 122.95 | 13.82 |
| 105.55 | 17.47 |
| 90.62 | 21.31 |
| 77.80 | 25.91 |
| 66.79 | 30.71 |
| 57.34 | 33.21 |
| 49.23 | 37.43 |
| 42.27 | 44.15 |
| 36.29 | 52.98 |
| 31.15 | 62.00 |
| 26.75 | 68.33 |
| 22.96 | 73.70 |
| 19.71 | 77.74 |
| 16.92 | 81.00 |
| 14.53 | 83.69 |
| 12.47 | 85.80 |
| 10.71 | 87.33 |
| 9.19 | 88.68 |
| 7.89 | 90.79 |
| 6.78 | 91.36 |
| 5.82 | 92.13 |
| 4.99 | 93.86 |
| 4.29 | 93.86 |
| 3.68 | 95.20 |
| 3.16 | 95.20 |
| 2.71 | 96.93 |
| 2.33 | 96.93 |
| 2.00 | 98.08 |



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON SB

COMPANY: AVINO MINES
ATTN: BRIAN GAME
PROJECT: MINTO
FILE#: 7-903 & 8-477

DATE: AUGUST 23, 1988
SAMPLE TYPE: SOIL
ANALYSIS TYPE: GEOCHEM

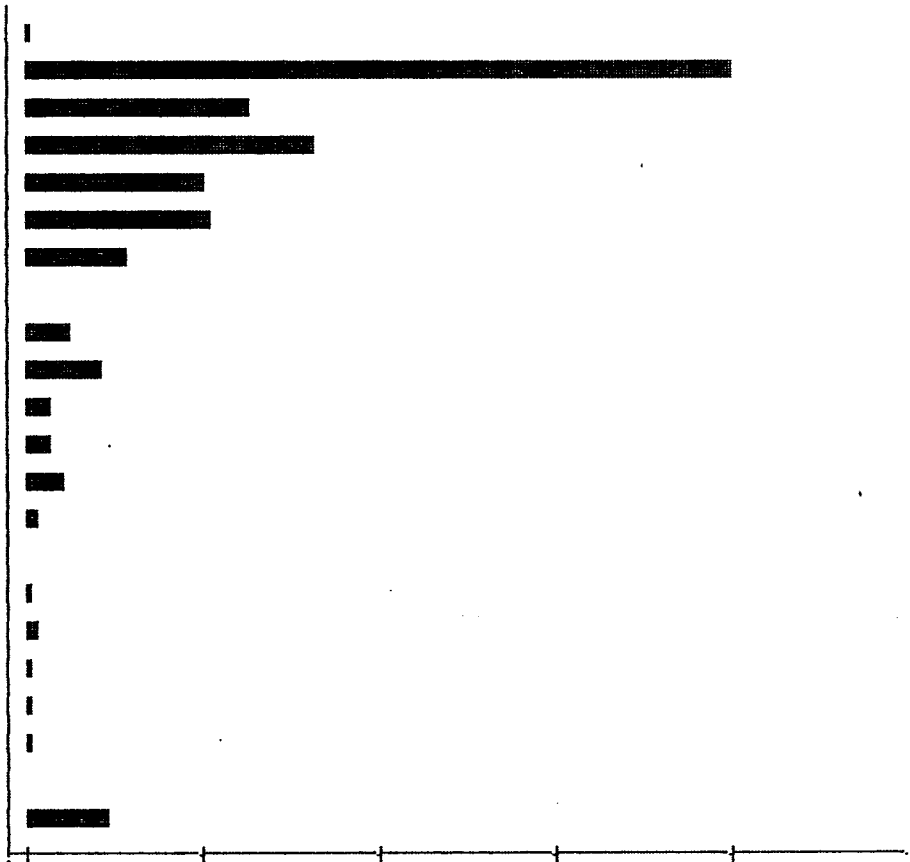
NUMBER OF SAMPLES: 521
MAXIMUM VALUE: 244.0 PPM
MINIMUM VALUE: 1.0 PPM
MEAN: 5.4 PPM
STD. DEVIATION: 13.7 PPM
COEFF. OF VARIATION: 2.5

5 HIGHEST SB VALUES:
700N 275W 244.0 PPM
MM250N 350E 93.0 PPM
MM850N 250W 81.0 PPM
MM550N 450E 70.0 PPM
300N 625W 64.0 PPM

HISTOGRAM FOR SB CLASS INTERVAL = 0.85

| MID CLASS | CLASS |
|-----------|-------|
| PPM | % |

| | | |
|---|-------|-------|
| < | 1.00 | 0.19 |
| | 1.42 | 34.55 |
| | 2.27 | 11.13 |
| | 3.12 | 14.20 |
| | 3.97 | 8.83 |
| | 4.82 | 9.21 |
| | 5.67 | 4.99 |
| | 6.52 | 0.00 |
| | 7.37 | 2.11 |
| | 8.22 | 3.84 |
| | 9.07 | 1.15 |
| | 9.92 | 1.34 |
| | 10.77 | 1.92 |
| | 11.62 | 0.58 |
| | 12.47 | 0.00 |
| | 13.32 | 0.38 |
| | 14.17 | 0.77 |
| | 15.02 | 0.19 |
| | 15.87 | 0.19 |
| | 16.72 | 0.38 |
| | 17.57 | 0.00 |
| > | 18.00 | 4.03 |



FREQUENCY (%)

MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

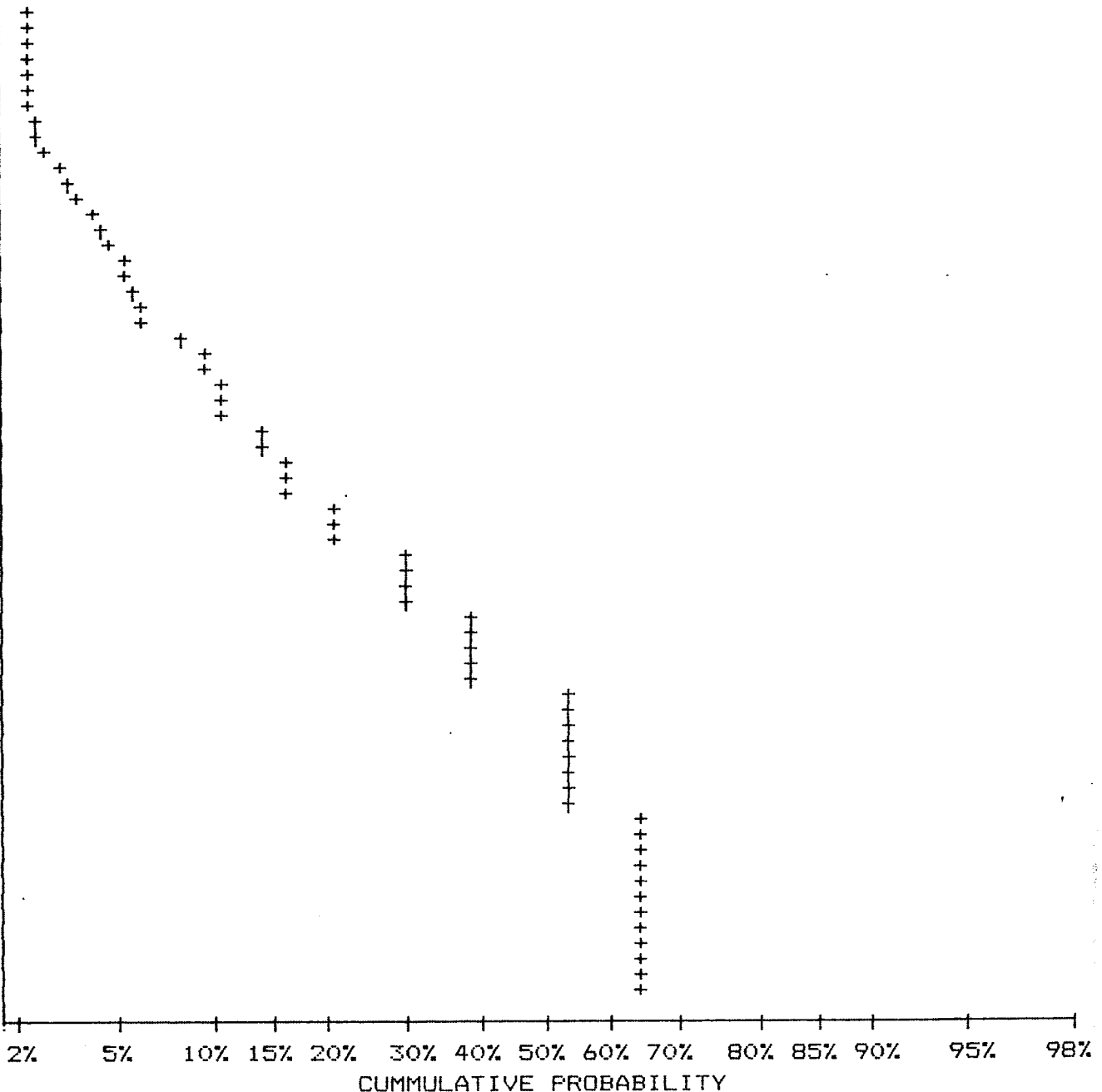
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON SB

COMPANY: AVINO MINES
 ATTN: BRIAN GAME
 PROJECT: MINTO
 FILE#: 7-903 & 8-477

DATE: AUGUST 23, 1988
 SAMPLE TYPE: SOIL
 ANALYSIS TYPE: GEOCHEM

| UPPER LIMIT (PPM) | CUMMUL. FREQ. (%) |
|-------------------|-------------------|
| 57.75 | 1.15 |
| 51.75 | 1.15 |
| 46.38 | 1.15 |
| 41.56 | 1.15 |
| 37.25 | 1.34 |
| 33.38 | 2.11 |
| 29.91 | 2.30 |
| 26.81 | 2.30 |
| 24.02 | 2.50 |
| 21.53 | 2.88 |
| 19.29 | 3.45 |
| 17.29 | 4.03 |
| 15.50 | 4.61 |
| 13.89 | 5.57 |
| 12.45 | 5.95 |
| 11.15 | 6.53 |
| 10.00 | 9.79 |
| 8.96 | 10.94 |
| 8.03 | 10.94 |
| 7.19 | 14.78 |
| 6.45 | 16.89 |
| 5.78 | 21.88 |
| 5.18 | 21.88 |
| 4.64 | 31.09 |
| 4.16 | 31.09 |
| 3.73 | 39.92 |
| 3.34 | 39.92 |
| 2.99 | 54.13 |
| 2.68 | 54.13 |
| 2.40 | 54.13 |
| 2.15 | 54.13 |
| 1.93 | 65.26 |
| 1.73 | 65.26 |
| 1.55 | 65.26 |
| 1.39 | 65.26 |
| 1.25 | 65.26 |
| 1.12 | 65.26 |
| 1.00 | 98.08 |



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON AU

COMPANY: AVIND MINES
ATTN: BRIAN GAME
PROJECT: MINTO
FILE#: 7-903 & 8-477

DATE: AUGUST 23, 1988
SAMPLE TYPE: SOIL
ANALYSIS TYPE: GEOCHEM

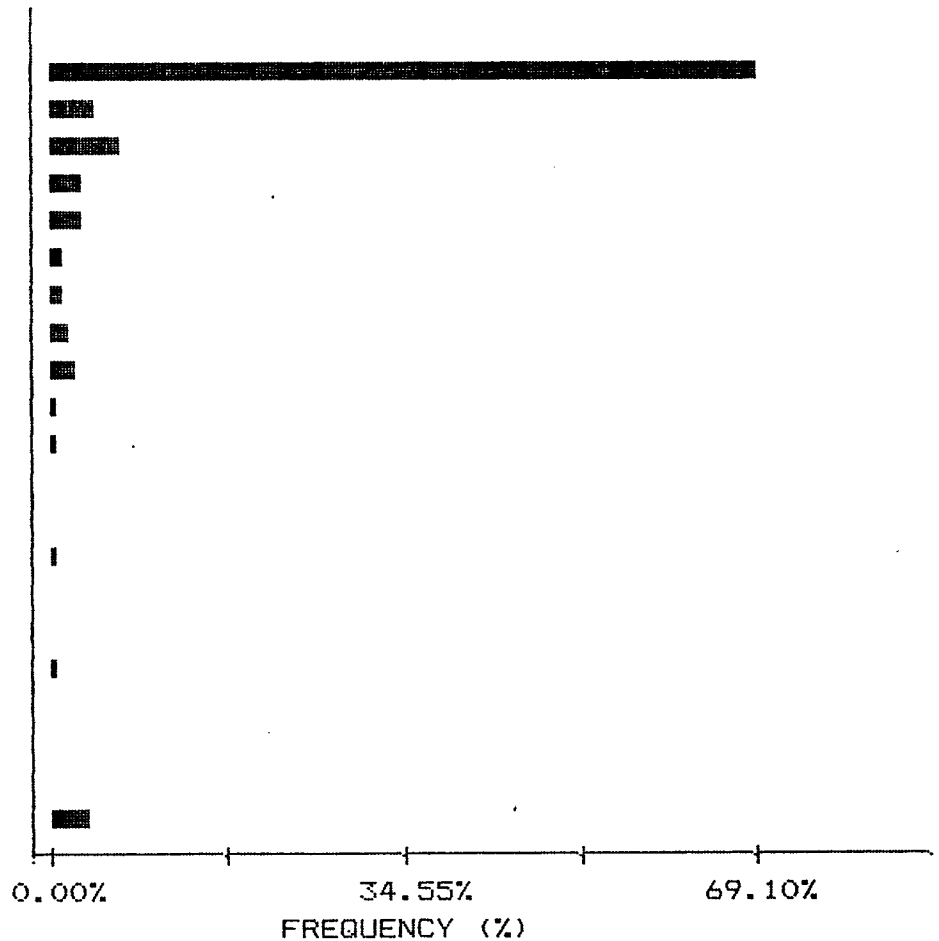
NUMBER OF SAMPLES: 521
MAXIMUM VALUE: 2700.0 PPB
MINIMUM VALUE: 5.0 PPB
MEAN: 56.8 PPB
STD. DEVIATION: 172.2 PPB
COEFF. OF VARIATION: 3.0

5 HIGHEST AU VALUES:
350N 775W 40M 2700.0 PPB
750N 025W 940.0 PPB
MM600N 25E 900.0 PPB
MM900N 125E 870.0 PPB
300N 625W 825.0 PPB

HISTOGRAM FOR AU CLASS INTERVAL = 16.25

MID CLASS CLASS
FPB %

| | | |
|---|--------|-------|
| < | 5.00 | 0.19 |
| | 13.13 | 69.10 |
| | 29.38 | 4.61 |
| | 45.63 | 6.72 |
| | 61.88 | 3.26 |
| | 78.13 | 3.07 |
| | 94.37 | 1.15 |
| | 110.62 | 1.15 |
| | 126.87 | 1.92 |
| | 143.12 | 2.30 |
| | 159.38 | 0.58 |
| | 175.62 | 0.38 |
| | 191.87 | 0.19 |
| | 208.12 | 0.00 |
| | 224.37 | 0.58 |
| | 240.63 | 0.00 |
| | 256.87 | 0.19 |
| | 273.12 | 0.38 |
| | 289.37 | 0.00 |
| | 305.62 | 0.19 |
| | 321.88 | 0.00 |
| > | 330.00 | 4.03 |



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

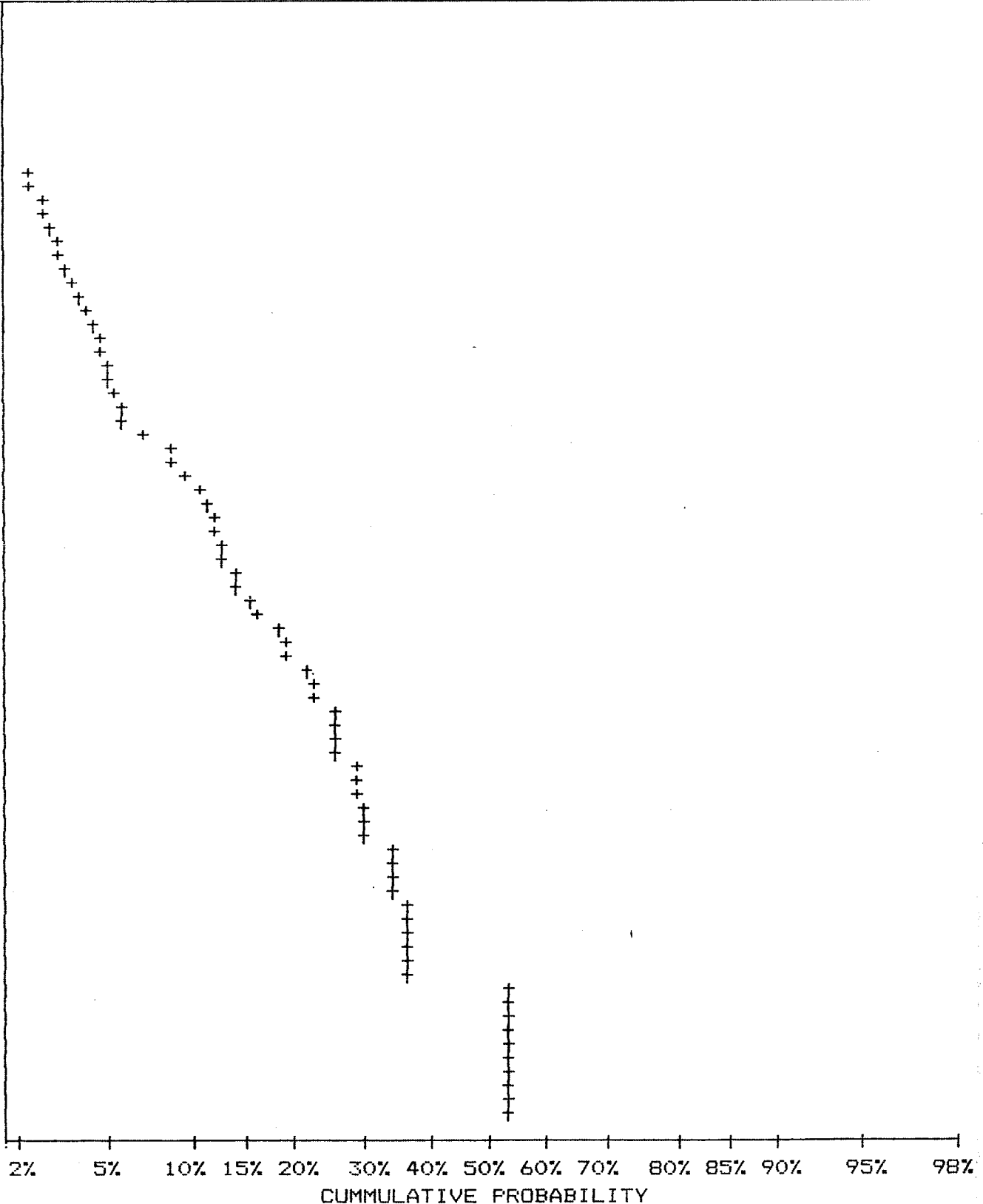
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON AU

COMPANY: AVIND MINES
 ATTN: BRIAN GAME
 PROJECT: MINTO
 FILE#: 7-903 & 8-477

DATE: AUGUST 23, 1988
 SAMPLE TYPE: SOIL
 ANALYSIS TYPE: GEOCHEM

| UPPER LIMIT (PPB) | CUMMUL. FREQ. (%) |
|--------------------------|-------------------------|
| 766.09 | 1.15 |
| 668.68 | 1.34 |
| 583.66 | 1.92 |
| 509.44 | 2.69 |
| 444.66 | 3.07 |
| 388.12 | 3.45 |
| 338.77 | 3.84 |
| 295.70 | 4.22 |
| 258.10 | 4.61 |
| 225.28 | 4.99 |
| 196.63 | 5.37 |
| 171.63 | 5.95 |
| 149.81 | 7.49 |
| 130.76 | 8.83 |
| 114.13 | 11.32 |
| 99.62 | 12.48 |
| 86.95 | 13.05 |
| 75.90 | 14.40 |
| 66.25 | 16.12 |
| 57.82 | 19.00 |
| 50.47 | 19.39 |
| 44.05 | 23.42 |
| 38.45 | 26.10 |
| 33.56 | 26.49 |
| 29.29 | 29.17 |
| 25.57 | 29.17 |
| 22.32 | 30.71 |
| 19.48 | 34.93 |
| 17.00 | 34.93 |
| 14.84 | 37.43 |
| 12.95 | 37.43 |
| 11.31 | 37.43 |
| 9.87 | 54.13 |
| 8.61 | 54.13 |
| 7.52 | 54.13 |
| 6.56 | 54.13 |
| 5.73 | 54.13 |
| 5.00 | 98.08 |



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

775 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CORRELATION COEFFICIENTS

COMPANY: AVINO MINES

DATE: AUGUST 23, 1988

ATTN: BRIAN GAME

SAMPLE TYPE: SOIL

PROJECT: MINTO

ANALYSIS TYPE: GEOCHEM

FILE#: 7-903 & 8-477

THE TABLE BELOW REPRESENTS THE PEARSON CORRELATION MATRIX SHOWING THE INTER-ELEMENT CORRELATION COEFFICIENTS. THOSE VALUES THAT EXCEED THEIR CRITICAL VALUE FOR .01 LEVEL OF SIGNIFICANCE ARE SHOWN IN DARKER PRINT AND UNDERLINED.

| | AG | AS | SB | AU |
|----|------|------|-------------|-------------|
| AG | 1.00 | 0.08 | 0.01 | <u>0.24</u> |
| AS | | 1.00 | <u>0.35</u> | <u>0.30</u> |
| SB | | | 1.00 | <u>0.13</u> |
| AU | | | | 1.00 |

APPENDIX B

Jumper Zone Trenching Geochemical Analyses and Assays

SAMPSON ENGINEERING INC.

2696 West 11th Avenue
Vancouver, B.C. V6K 2L6

COMPANY: AVIND MINES
 PROJECT NO: MINTO
 ATTENTION: E.VON ROSEN/C.SAMPSON

MIN-EN LABS ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

(ACT:F31) PAGE 1 OF 1
 FILE NO: 8-1091R/P1+2
 DATE: AUGUST 5, 1988

| (VALUES IN PPM) | AG | AS | CU | PB | SB | ZN | AU-PPB | |
|-----------------|------|-------|-----|------|-------|------|--------|-----------------------------|
| 137301 | .4 | 64 | 15 | 35 | 15 | 124 | 25 | } T1. MINTO TRENCHES |
| 137302 | .2 | 628 | 16 | 39 | 5 | 124 | 290 | |
| 137303 | .4 | 408 | 40 | 103 | 2 | 116 | 346 | |
| 137304 | .4 | 2 | 17 | 17 | 1 | 64 | 2 | |
| 137306 | .3 | 44 | 26 | 21 | 10 | 122 | 100 | |
| 137307 | 2.5 | 1484 | 81 | 90 | 42 | 265 | 320 | |
| 137308 | 2.6 | 2067 | 69 | 39 | 92 | 181 | 166 | |
| 137309 | 1.6 | 1333 | 71 | 78 | 37 | 684 | 180 | |
| 137310 | .3 | 209 | 31 | 44 | 70 | 183 | 210 | |
| 137311 | 3.2 | 311 | 77 | 26 | 43 | 87 | 60 | |
| 137312 | 3.0 | 111 | 63 | 28 | 19 | 80 | 37 | |
| 137313 | 2.6 | 160 | 118 | 25 | 11 | 106 | 75 | |
| 137314 | 2.9 | 103 | 71 | 15 | 10 | 45 | 12 | |
| 137315 | 2.6 | 131 | 45 | 39 | 9 | 56 | 36 | |
| 137316 | 2.8 | 96 | 66 | 21 | 9 | 43 | 40 | |
| 137317 | 8.9 | 7139 | 107 | 236 | 36519 | 98 | 4100 | |
| 137318 | 3.1 | 40463 | 4 | 20 | 1130 | 38 | 10000 | |
| 137319 | 1.2 | 3425 | 49 | 11 | 355 | 78 | 1280 | |
| 137320 | 1.8 | 1834 | 52 | 355 | 29 | 216 | 1000 | |
| 137321 | .4 | 647 | 87 | 41 | 13 | 283 | 386 | |
| 137322 | .2 | 287 | 30 | 44 | 30 | 104 | 260 | |
| 137323 | .3 | 10 | 128 | 56 | 69 | 231 | 55 | |
| 137324 | .8 | 98 | 83 | 30 | 15 | 58 | 72 | |
| 137325 | .7 | 732 | 38 | 60 | 23 | 140 | 158 | |
| 137326 | .3 | 2218 | 115 | 32 | 18 | 248 | 300 | |
| 137327 | .7 | 1009 | 28 | 17 | 10 | 48 | 142 | |
| 137328 | .2 | 829 | 26 | 47 | 13 | 82 | 240 | |
| 137329 | .4 | 926 | 38 | 120 | 27 | 134 | 221 | |
| 137330 | 1.2 | 24 | 18 | 23 | 5 | 73 | 5 | |
| 137331 | 1.1 | 37 | 25 | 35 | 11 | 85 | 2 | |
| 137332 | 2.1 | 33 | 11 | 24 | 8 | 53 | 2 | |
| 137333 | 1.9 | 52 | 25 | 100 | 17 | 170 | 42 | |
| 137334 | 1.7 | 17 | 19 | 41 | 14 | 102 | 20 | |
| 137335 | 1.8 | 4 | 18 | 84 | 10 | 142 | 15 | |
| 137336 | 1.9 | 26 | 18 | 60 | 12 | 171 | 10 | |
| 137337 | 1.6 | 18 | 14 | 44 | 10 | 243 | 12 | |
| 137338 | .8 | 18 | 40 | 5 | 1 | 39 | 14 | |
| 137339 | .9 | 1 | 4 | 9 | 1 | 19 | 4 | |
| 137340 | 1.7 | 21 | 14 | 11 | 1 | 7 | 2 | |
| 137341 | 1.3 | 205 | 18 | 11 | 3 | 71 | 70 | |
| 137342 | 2.5 | 73 | 18 | 26 | 11 | 49 | 21 | |
| 137343 | 1.3 | 13 | 8 | 11 | 1 | 17 | 14 | |
| 137344 | 1.6 | 5 | 13 | 5 | 6 | 43 | 10 | |
| 137345 | 1.9 | 178 | 19 | 8 | 2 | 26 | 22 | |
| 137346 | 1.9 | 1 | 5 | 5 | 1 | 7 | 6 | |
| 137347 | 1.9 | 1 | 3 | 11 | 1 | 5 | 10 | |
| 137348 | 1.6 | 13 | 5 | 9 | 1 | 11 | 4 | |
| 137349 | 2.0 | 5 | 6 | 5 | 1 | 7 | 2 | |
| 137350 | 2.1 | 3 | 22 | 9 | 1 | 7 | 3 | |
| 137351 | .4 | 200 | 71 | 43 | 12 | 162 | 123 | |
| 137352 | 1.3 | 883 | 24 | 44 | 26 | 96 | 260 | |
| 137353 | .2 | 173 | 66 | 24 | 10 | 76 | 140 | |
| 137354 | .4 | 108 | 72 | 17 | 11 | 72 | 125 | |
| 137355 | 1.9 | 407 | 59 | 64 | 8 | 98 | 680 | |
| 137356 | .4 | 311 | 8 | 47 | 4 | 75 | 710 | |
| 137357 | 2.2 | 990 | 79 | 80 | 17 | 144 | 690 | |
| 137358 | .4 | 721 | 15 | 63 | 22 | 80 | 1020 | |
| 137359 | 28.3 | 1542 | 375 | 8818 | 38 | 1798 | 3800 | |
| 137360 | 1.2 | 975 | 22 | 444 | 33 | 318 | 1150 | |
| 137361 | .4 | 46 | 22 | 91 | 1 | 86 | 60 | |

- RC1
 - RC2
 - RC3

COMPANY: AVINO MINES

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO: MINTO

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-790R/P3

ATTENTION: E.VON ROSEN/C.SAMPSON

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM *

DATE:AUGUST 5, 1988

| (VALUES IN PPM) | AG | AS | CU | PB | SE | ZN | AU-PPB | |
|------------------|------|-------|-----|------|-----|------|--------|--------|
| 137362 | 13.6 | 10492 | 265 | 2812 | 373 | 1595 | 4200 | } RC 3 |
| 137363 | .9 | 388 | 19 | 77 | 49 | 427 | 124 | |
| 137364 | 2.3 | 441 | 21 | 225 | 31 | 555 | 345 | |
| 137365 | .8 | 13 | 4 | 4 | 1 | 48 | 17 | } RC 4 |
| 137366 | 1.6 | 31 | 44 | 17 | 4 | 60 | 2 | |
| 137367 | 2.0 | 47 | 47 | 21 | 8 | 69 | 8 | |
| 137368 | 1.0 | 17 | 53 | 14 | 1 | 53 | 4 | |
| 137369 | 1.1 | 22 | 56 | 14 | 6 | 52 | 7 | |
| 137370 | 1.3 | 18 | 20 | 14 | 12 | 70 | 22 | |
| 137371 | .8 | 1 | 19 | 14 | 1 | 83 | 17 | |
| 137372 | .6 | 21 | 32 | 12 | 4 | 99 | 8 | |
| 137373 | 1.3 | 2 | 23 | 13 | 8 | 114 | 10 | |

COMPANY: AVINO MINES
PROJECT NO: MINTO
ATTENTION: C. SAMPSON

MIN-EN LABS ICP REPORT
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604) 980-5814 OR (604) 988-4524

(ACT:F31) PAGE 1 OF 1
FILE NO: 8-1101/P1
DATE: AUGUST 5, 1988

| PPM) | 137374 | 137375 | 137376 | 137378 | 137379 |
|--------|--------|--------|--------|--------|--------|
| Hg | 1.6 | 1.2 | .1 | 1.5 | .9 |
| AS | 2 | 283 | 28 | 4 | 7 |
| U | 17 | 48 | 30 | 127 | 30 |
| B | 9 | 9 | 8 | 6 | 10 |
| SB | 3 | 5 | 1 | 2 | 1 |
| ----- | | | | | |
| LN | 18 | 58 | 68 | 17 | 23 |
| AU-PPB | 4 | 104 | 3 | 6 | 21 |

1
GRAB
RC5

RC7



**MIN
• EN
LABORATORIES LTD.**

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

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TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of ASSAY

Company: AVINO MINES
Project: MINTO
Attention: E. VON ROSEN/C. SAMPSON

File: 8-1091/P1
Date: AUG 4/88
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

| Sample Number | AU G/TONNE | AU OZ/TON |
|---------------|------------|-----------|
| 177 317 | 4.29 | 0.125 |
| 177 318 | 11.95 | 0.349 |
| 137 319 | 1.61 | 0.047 |
| 137 320 | 1.03 | 0.030 |
| 177 358 | 1.12 | 0.033 |
| ----- | | |
| 137 359 | 4.98 | 0.145 |
| 177 360 | 1.27 | 0.037 |
| 177 362 | 4.58 | 0.134 |

Certified by _____

MIN-EN LABORATORIES LTD.

APPENDIX C

Drilling Results

**Logs, Geochemical
Analyses and Assays**

SAMPSON ENGINEERING INC.

2696 West 11th Avenue
Vancouver, B.C. V6K 2L6

DIAMOND DRILL RECORD

PROPERTY Minto

HOLE No. 88-1

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |

Hole No. 88-1 Sheet No. 01
 Section _____
 Date Begun June 17 1988
 Date Finished June 19 1988
 Date Logged June 19 1988

Lat. _____
 Dep. _____
 Bearing 240°
 Elev. Collar 2709.1 ft

Total Depth 80.46 (264)
 Logged By B. Game
 Claim Minto
 Core Size NQ

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No | FROM | TO | WIDTH OF SAMPLE | | | | |
|-------|--------|----------|--|-----------|-------|-------|-----------------|--|--|--|--|
| FROM | TO | | | | | | | | | | |
| 0 | 6.09 | | Casing and broken rock | | | | | | | | |
| (0 | 20) | | | | | | | | | | |
| 6.09 | 58.67 | | | | | | | | | | |
| (20 | 192.5) | 95% | Fragmental Cherty Argillite - black argillite matrix with 0.1 cm to 5 cm angular clasts of grey chert. - to 15.24m (50') very rusty and broken-up recovery ~ 80% - considerable fine-grained pyrite predominantly as disseminations, occasionally as fracture fillings. - Stringers and 'swirling' quartz and calcite generally cross-cutting fragmental host. - at 22.25m (73'), occasional fragments of feldspathized rock appear. At 25.14m (82.5') 23.5cm-wide section of feldspathized material at ~ 45° to core axis. - at 28.65m (94.0'), 60 cm-wide zone of qtz flooding; blebs of quartz and pieces of 'ground' quartz. | 1801 | 28.65 | 29.25 | 0.60 m | | | | |

DIAMOND DRILL RECORD

PROPERTY Minto

HOLE No. 88-1

| DIP TEST | | |
|----------|---------|-----------|
| Angle | | |
| Footage | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |

Hole No. 88-1 Sheet No. 02 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | Au. oz/t | As ppm | Sb ppm |
|-------|----|----------|--|------------|-------|-------|--------------------|-------------|-----------|-----------|
| FROM | TO | | | | | | | | | |
| | | | - From 29.87m to 30.17m (98-99'), 30 cm-wide zone of graphitic material and quartz fragments (probable fault) | 1802 | 29.87 | 30.17 | 0.30m | | | |
| | | | - at 30.48m (100') cherty argillite becomes increasingly more siliceous and graphitic. | | | | | | | |
| | | | - From 37.18 to 37.33m (122-122.5') 15cm-wide dyke of greywacke? Contacts at 45° to core axis. Disseminated pyrite (3-5%) | 1803 | 37.18 | 37.33 | 0.15m | | | |
| | | | - at 39.33m (129.75') 5cm-wide white quartz vein at 30° to core axis. | | | | | | | |
| | | | - at 44.19m (145'), 1.25m-wide zone of graphitic cherty argillite, very pyritic with stringers of quartz at all angles to core axis. 3cm-wide seam of stibnite at 44.49m (146') within very graphitic material, minor chlorite and malachite along sheared surfaces. | 1804 | 44.19 | 45.44 | 1.25m | 0.030 | 1773 | 1875 |
| | | | - Unit is becoming progressively more graphitic and sheared. | | | | | | | |
| | | | - at 51.43m (168.75') 20 cm-wide graphitic zone | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY Minto

HOLE No. 88-1

| DIP TEST | | |
|----------|---------|-----------|
| Angle | | |
| Footage | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |

Hole No. 88-1 Sheet No. 03 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | OZ/E. Au | Ag ppm. | Pb ppm. | Zn ppm. |
|---------|---------|----------|---|------------|-------|-------|-----------------|----------|---------|---------|---------|
| FROM | TO | | | | | | | | | | |
| | | | with quartz pebbles. Locally massive fine-grained pyrite. | 1805 | 51.43 | 51.63 | 0.20m | | | | |
| | | | - at 55.17m (181') swirling areas of white qtz and calcite, considerable disseminated pyrite. | 1806 | 55.17 | 56.17 | 1.0m | | | | |
| | | | Very minor disseminated galena? At 57.45m (188.5') 2cm wide band of massive galena. | 1807 | 56.17 | 57.17 | 1.0m | | | | |
| | | | | 1808 | 57.17 | 58.67 | 1.50m | | 10.6 | 2144 | 3976 |
| 58.67 | 67.20 | 95-100% | Feldspar Porphyry Pyke | | | | | | | | |
| (192.5) | (220.5) | | - contact at 58.67m (192.5') is at ~ 60° with hanging-wall cherty argillite | 1809 | 58.67 | 59.67 | 1.0m | | | | |
| | | | - 0.1-1.0cm phenocrysts of white feldspar. | 1810 | 59.67 | 60.17 | 1.0m | | | | |
| | | | - very pyritic (2-3%) Disseminated fine to med-grained pyrite disseminated throughout. As well, | 1811 | 60.17 | 61.17 | 1.0m | | | | |
| | | | pyrite 'smeared' on sheared surfaces. | 1812 | 61.17 | 62.17 | 1.0m | | | | |
| | | | - 'talcu', along sheared surfaces | 1813 | 62.17 | 63.17 | 1.0m | | | | |
| | | | - feldspar phenocrysts occasionally chloritic | 1814 | 63.17 | 64.17 | 1.0m | | | | |
| | | | - very siliceous at 202' (61.57m) to 207.5' disseminated fine-grained pyrite and | 1815 | 64.17 | 65.53 | 1.36m | | | | |
| | | | - some slickensiding on broken surfaces. grey sulphide | 1816 | 65.53 | 66.13 | 0.60m | 0.048 | 4.1 | 719 | 1086 |
| | | | - at 65.53m (215') Minto Shear Zone. | 1817 | 66.13 | 67.20 | 1.07m | | | | |
| | | | 1.5m-wide zone of intensely siliceous, banded rock. At 65.53m (215') 7cm-wide | 1818 | 67.20 | 68.20 | 1.0m | | | | |

DIAMOND DRILL RECORD

PROPERTY Minto

HOLE No. 88-1

| DIP TEST | | |
|----------|---------|-----------|
| | | Angle |
| Footage | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |

Hole No. 88-1 Sheet No. 04 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | | | |
|---------|-------|----------|--|------------|------|----|-----------------|--|--|--|--|--|--|
| FROM | TO | | | | | | | | | | | | |
| | | | white quartz vein at ~ 20° to core axis. | | | | | | | | | | |
| | | | -Numerous quartz stringers throughout zone generally 15-25°. | | | | | | | | | | |
| | | | -Disseminated pyrite throughout zone. Disseminations and 'blebs' of grey arsenopyrite through first 60 cm of zone. At 66.14m (217'), 0.3 cm-wide band of sphalerite and galena at ~ 20° to core axis | | | | | | | | | | |
| | | | - very gouged and broken footwall contact at 67.20 (220.5') | | | | | | | | | | |
| 67.20 | 80.46 | 95% | Greenstone / Basalt | | | | | | | | | | |
| (220.5) | (264) | | - dark green volcanic rock | | | | | | | | | | |
| | | | - numerous quartz-calcite stringers at all angles to core axis. | | | | | | | | | | |
| | | | - at 72.54m (238') Volcanic becomes purple | | | | | | | | | | |
| | | | - still numerous quartz and predominantly calcite stringers. | | | | | | | | | | |
| | | | - Epidote staining; minor hematite | | | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-2

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | -50° | |
| | | |
| | | |

Hole No. 88-2 Sheet No. 01
 Section _____
 Date Begun June 19/88
 Date Finished June
 Date Logged June 20,

Lat. _____
 Dep. _____
 Bearing 290°
 Elev. Collar 2708.5 ft

Total Depth 93.26m.
 Logged By B. Game
 Claim Minto
 Core Size NA

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | | | |
|-------|-------|----------|--|------------|-------|-------|-----------------|--|--|--|--|--|--|
| FROM | TO | | | | | | | | | | | | |
| 0 | 9.14 | | Casing and broken rock | | | | | | | | | | |
| (0 | 30) | | | | | | | | | | | | |
| 9.14 | 23.32 | 90-95% | Fragmental Cherty Argillite | | | | | | | | | | |
| (30 | 76.5) | | - black argillite matrix with 0.1-5.0 cm clasts of angular grey chert. | | | | | | | | | | |
| | | | - pyrite content 1-2% occurs as fine-grained disseminations and less commonly as fine-grained fracture fillings. | | | | | | | | | | |
| | | | - broken-up and rusty to 21.33m (70'). Recovery through this section is ~ 80% | | | | | | | | | | |
| | | | - stringers and swirling areas of white calcite and quartz. Predominantly calcite. | | | | | | | | | | |
| 23.32 | 24.12 | 95-100% | Felsic Dyke | | | | | | | | | | |
| (76.5 | 79.1) | | - light grey siliceous rock | 1819 | 23.32 | 24.12 | 0.80m | | | | | | |
| | | | - hangingwall and footwall contacts approx 45° | | | | | | | | | | |
| | | | - very pyritic, 'Bkbs' and fracture fillings of fine-grained pyrite (7-10%) | | | | | | | | | | |
| | | | - occasional stringers of calcite at all angles to core axis. | | | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-2

| DIP TEST | | |
|----------|---------|-----------|
| Angle | | |
| Footage | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |

Hole No. 88-2 Sheet No. 02 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | | |
|--------|--------|----------|---|------------|-------|-------|-----------------|--|--|--|--|--|
| FROM | TO | | | | | | | | | | | |
| 24.12 | 61.37 | 90-95% | Fragmental Cherty Argillite | | | | | | | | | |
| (79.1) | 201.35 | | - black cherty argillite with 0.1-5.0cm clasts of angular grey chert. | | | | | | | | | |
| | | | - pyrite content (1-2%) occurs as fine to med-grained disseminations and fracture-fillings | | | | | | | | | |
| | | | - core is fractured and sheared, becomes quite graphitic after 30m. Series of small faults. | | | | | | | | | |
| | | | - cherty fragments occasionally feldspathized? | | | | | | | | | |
| | | | - quartz and calcite stringers at all angles to S.A. Vuggy nature of core due to leaching of calcite. | | | | | | | | | |
| | | | - 29.41m; 70cm - wide zone of fractured, 'ground' core with quartz fragments and disseminated pyrite. | 1820 | 29.41 | 30.11 | 0.70m | | | | | |
| | | | = 41.70m; 2.80m - wide zone of 'quartz-flooding' | 1821 | 41.70 | 42.70 | 1.0m | | | | | |
| | | | Intensely siliceous cherty-argillite. | 1822 | 42.70 | 43.70 | 1.0m | | | | | |
| | | | Swirling areas of white quartz | 1823 | 43.70 | 44.50 | 0.80m | | | | | |
| | | | Pyrite (2-3%) (locally more concentrated) as fine-grained disseminations and as fracture-fillings. | | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-2

| DIP TEST | | |
|----------|---------|-----------|
| | Angle | |
| Footage | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |

| | | |
|----------------------|---------------------|-------------------|
| Hole No. <u>88-2</u> | Sheet No. <u>03</u> | Lat. _____ |
| Section _____ | Dep. _____ | Total Depth _____ |
| Date Begun _____ | Bearing _____ | Logged By _____ |
| Date Finished _____ | Elev. Collar _____ | Claim _____ |
| Date Logged _____ | | Core Size _____ |

| DEPTH FROM | TO | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | |
|------------|----|----------|--|------------|-------|-------|-----------------|--|--|--|--|
| | | | - very graphitic on fracture-planes | | | | | | | | |
| | | | - remains very fragmental and quite siliceous to 48.61m. | | | | | | | | |
| | | | - 50.04m : 1.10m - wide section of gouged, graphitic cherty argillite. Probable fault. | | | | | | | | |
| | | | - 52.18m: 2.99m - wide section of siliceous cherty argillite. Light grey-green in colour with numerous stringers and 'blebs' of quartz. | 1824 | 52.18 | 53.18 | 1.0m | | | | |
| | | | Disseminated and fracture-filled pyrite (3-5%). Locally massive, 'smeared' pyrite on sheared surfaces. | 1825 | 53.18 | 54.18 | 1.0m | | | | |
| | | | | 1826 | 54.18 | 55.17 | 0.99m | | | | |
| | | | - 58.82m: 1.8m - wide zone of very graphitic somewhat fractured cherty argillite. Probable fault. | | | | | | | | |
| | | | - 60.62m : 0.75m - wide zone of very siliceous cherty argillite. Quartz flooding; disseminated and fracture-filled pyrite. Final 0.25m of preceding fault material is very pyritic | 1827 | 60.37 | 61.37 | 1.0m | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-2

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |

Hole No. 88-2 Sheet No. 04 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | Au. oz/t | Ag ppm | As ppm | Pb ppm |
|----------|-------|----------|--|------------|-------|-------|-----------------|-------------|-----------|-----------|-----------|
| FROM | TO | | | | | | | | | | |
| 61.37 | 79.85 | 95% | Quartz - Carbonate Altered Rock | | | | | | | | |
| (201.35) | | | - grey-green rock with areas of swirling white quartz and carbonate. | 1828 | 61.37 | 62.37 | 1.0m | | | | |
| | | | - swirling matrix somewhat chloritic and talcy as well. | 1829 | 62.37 | 63.37 | 1.0m | | | | |
| | | | - original rock, cherty-argillite? or possibly feldspar porphyry dyke? | 1830 | 63.37 | 64.37 | 1.0m | | | | |
| | | | - Disseminated fine to med-grained pyrite throughout. Fractured - filled fine-grained pyrite and occasional coarse-grained 'blebs' as well. Total content ~ 3-5%. | 1831 | 64.37 | 65.37 | 1.0m | | | | |
| | | | - 69.80m; 0.75m-wide zone of quartz flooding. 0.1-1.0cm-wide stringers of quartz at all angles to core axis. Final 0.20m of this section is a breccia zone with white quartz enclosing 0.5-1.0cm-wide angular clasts of cherty-argillite? Dissem. and fracture-filled pyrite throughout 3-5% | 1832 | 65.37 | 66.37 | 1.0m | | | | |
| | | | | 1833 | 66.37 | 67.37 | 1.0m | | | | |
| | | | | 1834 | 67.37 | 68.37 | 1.0m | | | | |
| | | | | 1835 | 68.37 | 69.37 | 1.0m | | | | |
| | | | | 1836 | 69.37 | 69.80 | 0.43m | | | | |
| | | | | 1837 | 69.80 | 70.55 | 0.75m | | | | |
| | | | | 1838 | 70.55 | 70.90 | 0.35m | 0.548 | 44.6 | 2231 | 12178 |
| | | | - 70.55m; 0.35m-wide section containing a 0.15m-wide vein of massive sulphide (predominantly pyrite, sphalerite with minor | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-2

| DIP TEST | | |
|----------|---------|-----------|
| | | Angle |
| Footage | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |

Hole No. 88-2 Sheet No. 05 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | Ag PPM | As PPM | Fe PPM |
|-------|-------|----------|--|------------|-------|-------|-----------------|--------|--------|--------|
| FROM | TO | | | | | | | | | |
| | | | arsenopyrite?) Hanging wall contact of vein ~ 10° to core axis. Footwall contact at ~ 55° to C.A. | | | | | | | |
| | | | - 0.85m immediately following mineralized vein is extremely vuggy with most of the carbonate and sulphides? leached out. Rock is dark grey in this section. | 1839 | 70.90 | 71.75 | 0.85m | | | |
| | | | | 1840 | 71.75 | 72.75 | 1.0m | | | |
| | | | | 1841 | 72.75 | 73.75 | 1.0m | | | |
| | | | | 1842 | 73.75 | 74.82 | 1.05m | | | |
| | | | - remains intensely quartz-carbonate altered rock now with minor malpaisite and 3-5% pyrite to 74.82m (245.5'). At this point becomes slightly more siliceous and pyritic with minor grey sulphide (sph. gn?). | 1843 | 74.82 | 75.77 | 0.95m | | | |
| | | | | 1844 | 75.77 | 76.12 | 0.35m | | | |
| | | | | 1845 | 76.12 | 76.37 | 0.25m | 4.4 | 1871 | 1115 |
| | | | - From 75.77m to 76.12m, slightly serpentinized, gouged and fractured material (fault?). | 1846 | 76.37 | 77.37 | 1.0m | | | |
| | | | | 1847 | 77.37 | 78.37 | 1.0m | | | |
| | | | - From 76.12m to 76.37m: very siliceous section with pyrite and | 1848 | 78.37 | 79.85 | 1.48m | | | |
| | | | - remains intensely altered rock to 79.85m | | | | | | | |
| 79.85 | 93.26 | 95-100% | Serpentinized Rock | 1849 | 79.85 | 80.85 | 1.0m | | | |
| (262 | 306) | | - dark green ultra basic | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-3

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | -60° | |
| | | |
| | | |
| | | |

Hole No. 88-3 Sheet No. 01 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By B. Game
 Date Begun June 21 188 Bearing 060° Claim Minto
 Date Finished June Elev. Collar 2828.7 Core Size NQ
 Date Logged June 26,

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | Au. oz/t | Ag PPM | Pb PPM | Zn. PPM. |
|-------|-------|----------|---|------------|-------|-------|-----------------|----------|--------|--------|----------|
| FROM | TO | | | | | | | | | | |
| 0 | 6.40 | | Casing and broken rock | | | | | | | | |
| (0 | 21) | | | | | | | | | | |
| 6.40 | 12.49 | 90-95% | Very Altered and Sheared Greenstone? | | | | | | | | |
| (21 | 41) | | - grey, green rock with swirling white quartz and calcite | 1850 | 6.40 | 7.40 | 1.0m | | | | |
| | | | - numerous 30-50cm - wide gauged and sheared sections | 1851 | 7.40 | 8.40 | 1.0m | | | | |
| | | | | 1852 | 8.40 | 9.40 | 1.0m | | | | |
| | | | | 1853 | 9.40 | 10.40 | 1.0m | | | | |
| | | | - Disseminated and fracture-filled fine to med-grained pyrite (1-2%) | 1854 | 10.40 | 11.40 | 1.0m | | | | |
| | | | | 1855 | 11.40 | 12.49 | 1.09m | | | | |
| 12.49 | 12.79 | 90% | Fault | 1856 | 12.49 | 12.79 | 0.30m | | | | |
| (41 | 42) | | - slightly graphitic gouge material | | | | | | | | |
| | | | - contains pebbles of argillaceous material | | | | | | | | |
| 12.79 | 16.76 | 95% | Feldspathized Greenstone | | | | | | | | |
| (42 | 55) | | - light grey-green rock with numerous stringers of quartz - calcite at all angles to c.a. | 1857 | 12.79 | 14.02 | 1.23m | | | | |
| | | | | 1858 | 14.02 | 14.92 | 0.90m | 0.033 | 50 | 1826 | 951 |
| | | | - Disseminated and fracture-filled fine-grained pyrite (2%) | 1859 | 14.92 | 15.92 | 1.0m | | | | |
| | | | | 1860 | 15.92 | 16.92 | 1.0m | 0.037 | 14.4 | 4015 | 2785 |
| | | | - 14.02m: 90cm-wide zone with 3-4% | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY Minto

HOLE No. 88-3

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | -60° | |
| | | |
| | | |
| | | |

Hole No. 88-3 Sheet No. 02 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | |
|-------|----|----------|--|------------|-------|-------|-----------------|--|--|--|--|
| FROM | TO | | | | | | | | | | |
| | | | disseminated fine-grained pyrite, and minor galena on 0.1-0.5 cm wide vuggy fractures - some dissem. gn & sph? at 16.30m | | | | | | | | |
| 16.76 | | 95% | Greenstone | | | | | | | | |
| (55 | | | - light green, fine-grained volcanic | | | | | | | | |
| | | | - occasional 0.1-0.3 cm wide stringers of quartz, at all angles to C.A. | | | | | | | | |
| | | | - disseminated fine-grained pyrite (1%) | | | | | | | | |
| | | | - occasional feldspathized sections to 24m | | | | | | | | |
| | | | - 24.38m: 1.20m wide section of greenstone with considerable 'platey' pyrite on fractured surfaces | 1861 | 24.38 | 25.58 | 1.20m | | | | |
| | | | - 27.43m: 0.75m wide section of siliceous grstone. Minor 0.5-2.0cm Qtz veining at 10-20° to C.A. Disseminated med-grained pyrite (3-4%) | 1862 | 27.43 | 28.18 | 0.75m | | | | |
| | | | - From 28.5m grstone becomes ^{somewhat} ultra basic in composition (dark green and slightly serpentinized). Occasionally graphitic on fractured surfaces. | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-3

| DIP TEST | | |
|----------|---------|-----------|
| Angle | | |
| Footage | Reading | Corrected |
| | -60° | |
| | | |
| | | |
| | | |

Hole No. 88-3 Sheet No. 03 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | | | | |
|-------|---------|----------|---|------------|-------|-------|-----------------|--|--|--|--|--|--|--|
| FROM | TO | | | | | | | | | | | | | |
| | | | 39.32m: 0.75m - wide section of somewhat siliceous and brecciated greenstone with pyrite (3-5%) on fractured surfaces. | 1863 | 39.32 | 40.07 | 0.75m | | | | | | | |
| | | | 43.58m: 0.20m - wide zone of porphyritic feldspathized greenstone. Rounded phenocrysts of calcite. | | | | | | | | | | | |
| | | | 45.0m: 4.22m - wide zone of very siliceous gstone. light grey-green, very 'scaled' rock with considerable fracture-filled and disseminated med-grained pyrite (3-5%). minor disseminated grey sulphide (gn? sph?) < 10% | 1864 | 45.0 | 46.0 | 1.0m | | | | | | | |
| | | | | 1865 | 46.0 | 47.0 | 1.0m | | | | | | | |
| | | | | 1866 | 47.0 | 48.0 | 1.0m | | | | | | | |
| | | | | 1867 | 48.0 | 49.22 | 1.22m | | | | | | | |
| | | | - from 50m; occasional discrete sections of feldspathized gstone. | | | | | | | | | | | |
| | | | - 57.30m; 1m - wide section, quite siliceous with 1-3cm angular clasts of reddish chert in siliceous gstone. | | | | | | | | | | | |
| 58.70 | (22.76) | | Cherty Argillite | | | | | | | | | | | |
| | 205) | | - black argillite matrix with 1-5cm angular fragments of light grey chert. | | | | | | | | | | | |
| | | | - stringers of quartz and calcite at all | | | | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-3

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | -60° | |
| | | |
| | | |
| | | |

Hole No. 88-3 Sheet No. 04 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH FROM | TO | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | |
|------------|-------|----------|--|------------|-------|-------|-----------------|--|--|--|--|
| | | | angles to C.A. - disseminated and fractured - filled fine-grained pyrite (1-2%) - graphitic on fractured surfaces. | | | | | | | | |
| 62.48 | 66.44 | 95% | Siliceous greenstone with argillaceous sections | 1868 | 62.48 | 63.48 | 1.0m | | | | |
| (205 | 218) | | - very pyritic. (5-7%) . Pyrite as fracture - fillings and massive on fractured surfaces. - minor pp | 1869 | 63.48 | 64.48 | 1.0m | | | | |
| | | | | 1870 | 64.48 | 65.48 | 1.0m | | | | |
| | | | | 1871 | 65.48 | 66.48 | 1.0m | | | | |
| 66.44 | 76.65 | 95% | Fragmental Cherty Argillite | | | | | | | | |
| (218 | 251.5 | | - occasional sections and clasts of feldspathized gstone at top of unit. - occasional stringers of quartz at all angles to C.A. - 1-2% dissem f.g'd pyrite | | | | | | | | |
| 76.65 | 80.77 | | Fine-grained Hornblende Porphyry Dyke. | | | | | | | | |
| (251.5 | 265) | | - matrix is felsic (light grey, -green) - numerous stringers of quartz and calcite at all angles to C.A. | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-3

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | -60° | |
| | | |
| | | |
| | | |

Hole No. 88-3 Sheet No. 05 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH FROM | TO | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | Au oz./t. | Ag PPM. | As PPM. |
|------------|--------|-----------|--|------------|--------|--------|-----------------|-----------|---------|---------|
| | | | - Disseminated and fracture-filled pyrite (1-2%) | | | | | | | |
| | | | - top 2.5m of unit mixed with some argillaceous material | | | | | | | |
| | | | - 77.42m: 5cm-wide white quartz vein 60° to C.A. Disseminated and fracture-filled pyrite and grey sulphide (gn?) or (asp?) | 1872 | 77.42 | 78.12 | 0.70m | 0.036 | 0.5 | 2534 |
| 20.77 | 131.36 | (265 431) | Fragmental Cherty Argillite. - alternating sections of very cherty and very fragmental rock. - occasional clasts of feldspathized rock. - numerous quartz and calcite veinlets at all angles to core axis. - 'Blebs' and fracture-fillings of fine to med-grained pyrite (1-2%) - graphitic on fractured surfaces. - from 115.52 to 119.17m; fragmental chert is buff-coloured to orange-brown | | | | | | | |
| | | | - 123.13: 30cm wide section, minor quartz veining, disseminated pyrite, gn? | 1873 | 123.13 | 123.43 | 0.30m | | | |

NEVILLE CROSBY INC. - remains very fragmental to End of Hole
 TELEPHONE USE-4343

E. in at W. F

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-4

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | -45° | |
| | | |
| | | |

Hole No. 88-4 Sheet No. 01
 Section _____
 Date Begun June 27 1988
 Date Finished June
 Date Logged June 26 1988

Lat. _____
 Dep. _____
 Bearing 240°
 Elev. Collar 2847.5

Total Depth 88.69m.
 Logged By B. Gane
 Claim Minto
 Core Size NQ

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | |
|-------|-------|----------|--|------------|-------|-------|-----------------|--|--|--|--|
| FROM | TO | | | | | | | | | | |
| 0 | 6.40 | | Casing and broken rock | | | | | | | | |
| (0 | 21) | | | | | | | | | | |
| 6.40 | 42.36 | 90-95% | Cherty Argillite (Fragmental) | | | | | | | | |
| (21 | 139) | | - black argillite with angular clasts of 1-10cm grey chert. - fractured and oxidized to 13m. luggy where calcite has leached out of veinlets - pyrite as fine-grained disseminations and fracture-fillings (1-2%); occasional 'platey' smears on fractured surfaces - recovery ~ 80% thru first 13m. - from 19-22.5m; very fractured, gouged and graphitic zone (Faulting) - 23.73m: 0.78m-wide zone of gouged, graphitic rock. Quartz fragments, considerable dissemin. fig. pyrite (3-5%) - cherty argillite is very intensely fragmental from 25m. - general increase in disseminated pyrite, becomes more siliceous. | | | | | | | | |
| | | | | 1874 | 23.73 | 24.51 | 0.78m | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-4

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | -45° | |
| | | |
| | | |

Hole No. 88-4 Sheet No. 02 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH FROM | TO | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | Ave | | | |
|------------|----|----------|---|------------|-------|-------|-----------------|-------|----------------------------|--|--|
| | | | | 1875 | 26.73 | 27.73 | 1.0m | | | | |
| | | | 27.73m: 20cm - wide section of massive stibnite | 1876 | 27.73 | 27.93 | 0.20m | 1.073 | } 0.266 / 3.2m. 10.5 ft | | |
| | | | and pyrite in cherty argillite (30-40%) | 1877 | 27.93 | 28.93 | 1.0m | 0.338 | | | |
| | | | - considerable disseminated and fracture-filled fine to med-grained pyrite and stibnite (5-8%) thru | 1878 | 28.93 | 29.93 | 1.0m | 0.174 | | | |
| | | | next 6m past massive section. | 1879 | 29.93 | 30.93 | 1.0m | 0.128 | | | |
| | | | - occasional small 'blebs' of mariposite. | 1880 | 30.93 | 31.93 | 1.0m | 0.058 | | | |
| | | | - 31.54m: 0.25m - wide zone of fault gouge. | 1881 | 31.93 | 32.93 | 1.0m | | | | |
| | | | - 33.37m: 3cm - wide quartz vein at 60° to C.A. | 1882 | 32.93 | 33.93 | 1.0m | | | | |
| | | | - at 34m; still very fractured, graphitic cherty argillite with considerable disseminated and fracture-filled, fine-grained pyrite (5-7%) | 1883 | 33.93 | 34.93 | 1.0m | | | | |
| | | | - numerous 10-50cm - wide fault gouge zones to 39m. Very siliceous. | 1884 | 34.93 | 35.93 | 1.0m | 0.035 | | | |
| | | | - 39.62m: Red and 'buff'-coloured fragments of chert | 1885 | 35.93 | 36.93 | 1.0m | | | | |
| | | | - remains intensely siliceous cherty argillite to 40.38m | 1886 | 36.93 | 37.93 | 1.0m | 0.111 | | | |
| | | | - 40.38m: 45cm - wide fault gouge. | 1887 | 37.93 | 38.93 | 1.0m | | | | |
| | | | | 1888 | 38.93 | 39.93 | 1.0m | | | | |
| | | | | 1889 | 39.93 | 40.93 | 1.0m | | | | |
| | | | | 1890 | 40.93 | 42.36 | 1.43m | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-4

| DIP TEST | | |
|----------|---------|-----------|
| | | Angle |
| Footage | Reading | Corrected |
| | -45° | |
| | | |
| | | |
| | | |

Hole No. 88-4 Sheet No. 03 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | |
|---------|---------|----------|---|------------|-------|-------|-----------------|--|--|--|--|
| FROM | TO | | | | | | | | | | |
| 42.36 | 43.74 | | Siliceous Greenstone | 1891 | 42.36 | 43.74 | 1.38m | | | | |
| (139) | (143.5) | | - pale green, very siliceous rock - fine-grained disseminated and fracture-filled pyrite and pyrrhotite. | | | | | | | | |
| 43.74 | 50.80 | | Cherty Argillite | | | | | | | | |
| (143.5) | | | - green black cherty argillite. - Some sections mostly chert. - 0.1-3.0 cm - wide stringers of quartz and calcite at all angles to core axis. - 43.74m: 1.02m - wide zone of extremely siliceous cherty argillite (swirling areas of white quartz) with 7-10% fine-grained pyrite - Cherty argillite becomes slightly fragmental in texture to 50.80m | 1892 | 43.74 | 44.76 | | | | | |
| | | | | 1893 | 44.76 | 45.76 | | | | | |
| 50.80 | 57.91 | | Siliceous Greenstone. | | | | | | | | |
| | | | - pale green siliceous rock. - Disseminated and fracture-filled fine-grained pyrite and p/s | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-4

| DIP TEST | | |
|----------|---------|-----------|
| | Angle | |
| Footage | Reading | Corrected |
| | -45° | |
| | | |
| | | |
| | | |

Hole No. 88-4 Sheet No. 04 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | |
|-------|-------|----------|--|------------|------|----|--------------------|--|--|--|--|
| FROM | TO | | | | | | | | | | |
| | | | <ul style="list-style-type: none"> - numerous calcite stringers at all angles to C.A. Occasional rounded penocrysts of opaque calcite. - 'talc' and chloritic on 'slip' surfaces. | | | | | | | | |
| 57.91 | 62.05 | 95% | Fragmental Cherty Argillite. - fractured. - occasional clasts and inclusions of pale green greenstone, within argillitic matrix - disseminated pyrite (1%) - contact (footwall) at ~ 20° with grstone. | | | | | | | | |
| (190 | | | | | | | | | | | |
| 62.05 | 67.70 | 95% | Siliceous Greenstone. - light green, very siliceous fine-grained grstone - disseminated and fractured filled fib'ed pyrite and pyrrhotite (1%) - slightly chloritic and 'talc' on fractured surfaces. | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-4

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | - 45° | |
| | | |
| | | |

Hole No. 88-4 Sheet No. 05 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | | | | |
|-------|-----------|----------|---|------------|------|----|-----------------|--|--|--|--|--|--|--|
| FROM | TO | | | | | | | | | | | | | |
| 67.70 | 76.50 | 95-100% | Sheared Ultramafic - medium green rock with swirling stringers of quartz and calcite. - very talcy and chloritic - disseminated and fracture-filled fine-grained pyrite and ps (1%) - fractured and gouged at top of unit (fault?) | | | | | | | | | | | |
| | (251) | | | | | | | | | | | | | |
| 76.50 | 88.69 | 95-100% | Siliceous Greenstone. - pale green fine-grained volcanic. - numerous stringers of quartz at all angles to C.A. - 1-3cm angular clasts of opaque to grey chert throughout. - 1-5cm angular clasts of grey porphyritic rock (hornblende porphyry?) - Disseminated pyrite and ps (1%) | | | | | | | | | | | |
| | (251 291) | | | | | | | | | | | | | |
| | | | END OF HOLE | | | | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-7

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | -50° | |
| | | |
| | | |

Hole No. 88-7 Sheet No. 01
 Section _____
 Date Begun July 4, 1988
 Date Finished July 5, 1988
 Date Logged July 7, 1988

Lat. _____
 Dep. _____
 Bearing 250°
 Elev. Collar 2822.79

Total Depth 80.46 m.
 Logged By B. Gane
 Claim Minto
 Core Size NQ

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | |
|-------|-------|----------|---|------------|-------|-------|-----------------|--|--|--|--|
| FROM | TO | | | | | | | | | | |
| 0 | 6.40 | | Casing and broken rock | | | | | | | | |
| (6) | (21) | | | | | | | | | | |
| 6.40 | 54.86 | 90% | Cherty Argillite | | | | | | | | |
| (21) | 180 | | - black argillite with 1-5cm angular fragments and swirling areas of grey chert. - numerous stringers of white quartz at all angles to core axis - numerous 10-30cm-wide zones of graphitic fault gouge to 22m. - Disseminated and fracture-filled fine-grained pyrite (1-2%) - at 22m; 1m long section of very siliceous chert. - wiggly stringers where calcite has 'leached' out. - 31.09m: 4.9m-wide zone of siliceous cherty argillite. Stringers of white quartz at all angles to core axis. Disseminated and fracture-filled pyrite (2-3%) chert is 'buff' coloured | 2101 | 31.09 | 32.09 | 1.0m | | | | |
| | | | | 2102 | 32.09 | 33.09 | 1.0m | | | | |
| | | | | 2103 | 33.09 | 34.09 | 1.0m | | | | |
| | | | | 2104 | 34.09 | 35.09 | 1.0m | | | | |
| | | | | 2105 | 35.09 | 36.0 | 0.91m | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-7

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Hole No. 88-7 Sheet No. 02 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH FROM | TO | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | An. oz/t | As ppm | Sb ppm |
|------------|-------|----------|---|------------|-------|-------|-----------------|----------|--------|--------|
| | | | | | | | | | | |
| | | | - cherty argillite becomes much more fragmented at 39m. | | | | | | | |
| | | | - increase in qty. calcite stringers at all angles to c.a. | 2106 | 51.03 | 52.03 | 1.0m | | | |
| | | | | 2107 | 52.03 | 53.03 | 1.0m | | | |
| | | | - 53.03m: 0.60m - wide section of qty. veining and brecciation. Disseminated and fracture-filled pyrite (3-5%) | 2108 | 53.03 | 53.63 | 0.60m | 0.066 | 4451 | 558 |
| | | | Immediately followed by 0.90m of slightly gouged (Faulted) material with qty stringers and fragments. Disseminated fine-grained pyrite (3-5%) | 2109 | 53.63 | 54.53 | 0.90m | | | |
| 54.96 | 60.65 | | Greenstone Dyke | | | | | | | |
| (180) | (199) | | - hanging wall contact @ 40° to c.a. - occasional stringers of quartz and calcite. - disseminated fine-grained pyrite (1%) | | | | | | | |
| 60.65 | 61.35 | | Fault Gouge | | | | | | | |
| (199) | (201) | | - green gouge material. | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-7

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | -50° | |
| | | |
| | | |

Hole No. 88-7 Sheet No. 03 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH FROM | TO | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | | | |
|------------|-------|----------|---|------------|------|----|-----------------|--|--|--|--|--|--|
| 61.25 | 67.66 | | Sheared Slightly Serpentinized Greenstone. | | | | | | | | | | |
| (201 | 222) | | - dark green rock with swirling veinlets of qtz-calcite at all angles to C.A. | | | | | | | | | | |
| | | | - serpentinized on sheared surfaces. | | | | | | | | | | |
| | | | - Disseminated and fracture-filled fine-grained pyrite. | | | | | | | | | | |
| 67.66 | 72.84 | | Mixed Greenstone and Cherty Argillite. | | | | | | | | | | |
| (222 | 239) | | - dark green rock with fragments of cherty argillite (angular frags) | | | | | | | | | | |
| | | | - 67.96 m; several 1cm chloritized calcite veins. | | | | | | | | | | |
| 72.84 | 80.46 | | Greenstone. | | | | | | | | | | |
| (239 | 264) | | - dark green volcanic rock. | | | | | | | | | | |
| | | | - at 76.8 m; becomes purple volcanic. | | | | | | | | | | |
| | | | END OF HOLE | | | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-5

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | - 50° | |
| | | |
| | | |
| | | |

Hole No. 88-5 Sheet No. 01
 Section _____
 Date Begun June 29 1988
 Date Finished _____
 Date Logged June 30,

Lat. _____
 Dep. _____
 Bearing 250°
 Elev. Collar 2930.4

Total Depth 100.27
 Logged By B. Game
 Claim Minto
 Core Size NQ

| DEPTH FROM | TO | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | | |
|------------|------|----------|---|------------|-------|-------|-----------------|--|--|--|--|--|
| 0 | 3.05 | | Casing and broken rock | | | | | | | | | |
| (0 | 10) | | | | | | | | | | | |
| 3.05 | | 90-95% | Very Fragmental Chert and Argillite | | | | | | | | | |
| (10 | | | - 1-10cm angular clasts of light grey chert | | | | | | | | | |
| | | | - Some sections mostly chert. | | | | | | | | | |
| | | | - remains mostly chert to 24m | | | | | | | | | |
| | | | - very fractured and rusty to 20m | | | | | | | | | |
| | | | - numerous vuggy cavities where calcite has 'leached' out | | | | | | | | | |
| | | | - disseminated fine-grained pyrite (1-2%) | | | | | | | | | |
| | | | - from 24m; dramatic increase in argillite content. Somewhat fractured and sheared. | | | | | | | | | |
| | | | Very chloritic and slightly 'talc' on 'slips' | | | | | | | | | |
| | | | - 24.28m: 15cm-wide Fault gouge | | | | | | | | | |
| | | | - 35.77m: 0.75m-wide fault gouge. Fault contact stun chert, argillite and feldspar porphyry dyke. | 1894 | 35.77 | 36.52 | 0.75m | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-5

| DIP TEST | | |
|----------|---------|-----------|
| | Angle | |
| Footage | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |

Hole No. 88-5 Sheet No. 02 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | | |
|-------|----|----------|---|------------|-------|-------|-----------------|--|--|--|--|--|
| FROM | TO | | | | | | | | | | | |
| 36.52 | | | Feldspar Porphyry Dyke. | 1895 | 36.52 | 37.52 | 1.0m | | | | | |
| | | | - light grey-green (dioritic?) rock with | 1896 | 37.52 | 38.52 | 1.0m | | | | | |
| | | | 0.5 to 2cm angular and concentric phenocrysts | 1897 | 38.52 | 39.52 | 1.0m | | | | | |
| | | | of feldspar | 1898 | 39.52 | 40.52 | 1.0m | | | | | |
| | | | - Phenocrysts appear slightly chloritized in | 1899 | 40.52 | 41.52 | 1.0m | | | | | |
| | | | places. | 1900 | 41.52 | 42.36 | 1.0m | | | | | |
| | | | - Disseminated and fracture-filled fine-grained | 1901 | 42.36 | 43.11 | 0.75 | | | | | |
| | | | to med-grained pyrite throughout (3-4%); | 1902 | 43.11 | 44.11 | 1.0m | | | | | |
| | | | Some sections with more massive mineraliza- | 1903 | 44.11 | 45.11 | 1.0m | | | | | |
| | | | tion. | 1904 | 45.11 | 46.11 | 1.0m | | | | | |
| | | | - dyke is very fractured and sheared with | 1905 | 46.11 | 47.11 | 1.0m | | | | | |
| | | | occasional stringers and veinlets of quartz | 1906 | 47.11 | 48.11 | 1.0m | | | | | |
| | | | and calcite | 1907 | 48.11 | 49.11 | 1.0m | | | | | |
| | | | - very 'falsy' | 1908 | 49.11 | 50.11 | 1.0m | | | | | |
| | | | - 42.36m: very soft and friable section for | 1909 | 50.11 | 51.11 | 1.0m | | | | | |
| | | | 0.75m. Disseminated fine-grained pyrite and | 1910 | 51.11 | 51.96 | 0.85m | | | | | |
| | | | minor disseminated fine-grained arsenopyrite | | | | | | | | | |
| | | | and sphalerite? | | | | | | | | | |
| | | | - 43.84m: 20cm-wide zone of gouged material | | | | | | | | | |
| | | | (probable fault) | | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-5

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |

Hole No. 88-5 Sheet No. 03 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | Au oz/t. | Ag ppm. | As ppm | Zn ppm |
|-------|----|----------|---|------------|-------|-------|-----------------|-------------|------------|-----------|-----------|
| FROM | TO | | | | | | | | | | |
| | | | 51.96m: 0.56m - wide zone with stringers of | 1911 | 51.96 | 52.52 | 0.56m | | | | |
| | | | fine-grained pyrite and minor fracture | 1912 | 52.52 | 53.79 | 1.27m | | | | |
| | | | filled sphalerite? | 1913 | 53.79 | 55.02 | 1.23m | | | | |
| | | | - From 53.79m to 60.65, numerous stringers | 1914 | 55.02 | 55.57 | 0.55m | | | | |
| | | | and fracture - fillings of pyrite and sphalerite. | 1915 | 55.57 | 56.57 | 1.0m | | | | |
| | | | This section slightly more siliceous. | 1916 | 56.57 | 57.57 | 1.0m | | | | |
| | | | - 55.02m: 0.55m - wide zone of banded white | 1917 | 57.57 | 58.57 | 1.0m | | | | |
| | | | quartz in feldspar porph dyke. Bands of | 1918 | 58.57 | 59.57 | 1.0m | | | | |
| | | | pyrite and sph. | 1919 | 59.57 | 60.65 | 1.08m | | | | |
| | | | - 63.80m: 0.55m - wide zone with stringers of | 1920 | 60.65 | 61.65 | 1.0m | | | | |
| | | | pyrite and sphalerite. | 1921 | 61.65 | 62.65 | 1.0m | | | | |
| | | | - 64.58m: 0.70m - wide zone with stringers of | 1922 | 62.65 | 63.80 | 1.15m | | | | |
| | | | pyrite and sphalerite (?) with and fine-grained | 1923 | 63.80 | 64.58 | 0.78m | 0.071 | | | |
| | | | disseminated arsenopyrite. Very siliceous section | 1924 | 64.58 | 65.28 | 0.70m | | | | |
| | | | - 69.49m: 0.70m - wide zone of massive and | 1925 | 65.28 | 66.28 | 1.0m | | | | |
| | | | disseminated pyrite - sphalerite and arsenopyrite | 1926 | 66.28 | 67.28 | 1.0m | | | | |
| | | | minor quartz veining | 1927 | 67.28 | 68.28 | 1.0m | | | | |
| | | | - From 66m on, dyke becomes much more | 1928 | 68.28 | 69.49 | 1.0m | | | | |
| | | | siliceous, competent unit; less shearing. | 1929 | 69.49 | 70.19 | 0.70m | 0.361 | 6.8 | 28,002 | 10,735 |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-5

| DIP TEST | | |
|----------|---------|-----------|
| | Angle | |
| Footage | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |
| | | |

Hole No. 88-5 Sheet No. 04 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | | |
|-------|----|----------|--|------------|-------|-------|-----------------|--|--|--|--|--|
| FROM | TO | | | | | | | | | | | |
| | | | | 1930 | 70.19 | 71.19 | 1.0m | | | | | |
| | | | - As dyke becomes more siliceous and competent, | 1931 | 71.19 | 72.19 | 1.0m | | | | | |
| | | | sulphide content drops off (1-2%) | 1932 | 72.19 | 73.19 | 1.0m | | | | | |
| | | | - Only sections of increased sulphide or | 1933 | 75.58 | 76.48 | 0.90m | | | | | |
| | | | exhibiting shearing are sampled from this | 1934 | 76.92 | 78.02 | 1.10m | | | | | |
| | | | point. | 1935 | 80.37 | 81.47 | 1.10m | | | | | |
| | | | - 75.58m: 0.90m - wide section with 'smeared' pyrite | 1936 | 83.21 | 84.41 | 1.20m | | | | | |
| | | | on fracture planes | 1937 | 84.41 | 85.64 | 1.23m | | | | | |
| | | | - 76.92m: 1.10m - wide section with 'smeared' pyrite | | | | | | | | | |
| | | | and asp? on fracture planes. Siliceous. | | | | | | | | | |
| | | | - 80.37m: 1.10m - wide section. Minor qty veining. | | | | | | | | | |
| | | | Disseminated fine to med-grained pyrite. | | | | | | | | | |
| | | | (3-4%) | | | | | | | | | |
| | | | - 83.21: 2.43m - wide section with disseminated | | | | | | | | | |
| | | | and 'platy' pyrite on fractured surfaces. | | | | | | | | | |
| | | | From 83.21 to 84.73m; minor grey sulphide, | | | | | | | | | |
| | | | (sph?) on fractured surfaces. | | | | | | | | | |
| | | | - 91.43m: 1.8m - wide section, very siliceous and | 1938 | 91.43 | 92.43 | 1.0m | | | | | |
| | | | shaved. Talcy on sheared surfaces. Feldspar | 1939 | 92.43 | 93.23 | 0.80m | | | | | |
| | | | phenocrysts are pink. Footwall contact ~ | | | | | | | | | |
| | | | 10° to C.A. | | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 83-5

| DIP TEST | | |
|----------|---------|-----------|
| | | Angle |
| Footage | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |

Hole No. 83-5 Sheet No. 05 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | |
|-------|--------|----------|---|------------|-------|-------|-----------------|--|--|--|--|
| FROM | TO | | | | | | | | | | |
| 93.23 | 100.27 | | Cherty Argillite. | | | | | | | | |
| (306 | 329) | | - black argillaceous rock with 1-5cm angular frags of light grey chert. | 1940 | 93.72 | 94.72 | 1.0m | | | | |
| | | | - very gouged and graphitic to 96.5m (fault contact) | | | | | | | | |
| | | | - disseminated fine-grained pyrite (1-2%) | | | | | | | | |
| | | | - 96.61m: 0.40m wide, very siliceous, porphyritic section of dyke? Disseminated and fracture-filled pyrite (2-3%) | 1941 | 96.61 | 97.01 | 0.40m | | | | |
| | | | - 97.11m: 0.65m wide section, with minor atg veining and mariposite on a graphitic 'slip' | 1942 | 97.01 | 97.76 | 0.75m | | | | |
| | | | END OF HOLE | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-6

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | -50° | |
| | | |
| | | |

Hole No. 88-6 Sheet No. 01
 Section _____
 Date Begun July 1, 1988
 Date Finished July 3, 1988
 Date Logged July 4, 1988

Lat. _____
 Dep. _____
 Bearing 225°
 Elev. Collar 2930.7

Total Depth 104.24 (342')
 Logged By E. G. me
 Claim Minto
 Core Size NQ

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | | |
|-------|-------|----------|--|------------|-------|-------|-----------------|--|--|--|--|--|
| FROM | TO | | | | | | | | | | | |
| 0 | 3.05 | | Casing and broken rock | | | | | | | | | |
| (0 | 10) | | | | | | | | | | | |
| 3.05 | 39.92 | 90-95% | Fragmental Cherty Argillite | | | | | | | | | |
| (10 | 131) | | - black argillite with 1-5cm angular fragments of light grey chert. | | | | | | | | | |
| | | | - fractured and rusty on broken surfaces to 20m. | | | | | | | | | |
| | | | - recovery ~ 80% to 20m | | | | | | | | | |
| | | | - Disseminated and fracture-filled fine-grained pyrite (1-2%) | | | | | | | | | |
| | | | - some sections mostly chert | | | | | | | | | |
| | | | - 29.98m: 0.60m-wide section of very cherty argillite with disseminated and smeared pyrite and minor disseminated sphalerite | 1943 | 29.98 | 30.58 | 0.60m | | | | | |
| | | | - 32.21m: 0.80m-wide siliceous, slightly feldspathized greenstone dyke. Disseminated and fracture-filled pyrite (2-3%) | 1944 | 32.21 | 33.01 | 0.80m | | | | | |
| | | | - cherty argillite is very broken-up and gouged thru bottom 5m. Fault contact with feldspar porphyry dyke. | | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-6

| DIP TEST | | |
|----------|---------|-----------|
| | | Angle |
| Footage | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |
| | | |

Hole No. 88-6 Sheet No. 02 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | Au oz/t | AS ppm | Zn ppm | |
|-------|-------|----------|--|------------|-------|-------|-----------------|------------|-----------|-----------|--|
| FROM | TO | | | | | | | | | | |
| | | | | 1945 | 38.93 | 39.93 | 1.0m | | | | |
| 39.93 | 94.79 | 90% | Feldspar Porphyry Dyke. | 1946 | 39.93 | 40.93 | 1.0m | | | | |
| (131 | 311) | | - grey-green (dioritic?) rock with 0.5-2.0cm wide angular and concentric phenocrysts of feldspar. | 1947 | 40.93 | 41.93 | 1.0m | 0.035 | 7959 | 2011 | |
| | | | - very gouged and sheared thru; top 15m of unit | 1948 | 41.93 | 42.93 | 1.0m | | | | |
| | | | | 1949 | 42.93 | 43.93 | 1.0m | | | | |
| | | | - fragments of hanging-wall cherty argillite within dyke thru first 4m. | 1950 | 43.93 | 44.93 | 1.0m | | | | |
| | | | | 1951 | 44.93 | 45.93 | 1.0m | 0.036 | 11362 | 2107 | |
| | | | - slickensiding on sheared surfaces. | 1952 | 45.93 | 46.94 | 1.0m | | | | |
| | | | - considerable disseminated and fracture-filled pyrite throughout (2-4%) | 1953 | 46.94 | 48.14 | 1.20m | 0.035 | 13,098 | 10,879 | |
| | | | - Fracture-filled pyrite and sphalerite (minor asp and gn?) along quartz and calcite fracture to | 1954 | 48.14 | 49.14 | 1.0m | | | | |
| | | | - 46.94m: 1.20m-wide section of quartz veining and massive fracture-filled sphalerite, pyrite and minor asp. | 1955 | 49.14 | 50.14 | 1.0m | | | | |
| | | | - 50.90m: 5cm-wide Qtz vein at 60° to C.A. with massive pyrite, sphalerite and asp. | 1956 | 50.14 | 50.90 | 0.76m | | | | |
| | | | - 51.41m: 0.70m-wide section with numerous at- | 1957 | 50.90 | 52.11 | 1.21m | 0.075 | 20,430 | 2930 | |
| | | | | 1958 | 52.11 | 53.11 | 1.0m | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-6

| DIP TEST | | |
|----------|---------|-----------|
| | | Angle |
| Footage | Reading | Corrected |
| | -5° | |
| | | |
| | | |
| | | |

Hole No. 88-6 Sheet No. 03 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No | FROM | TO | WIDTH OF SAMPLE | Au | | | | |
|-------|----|----------|---|-----------|-------|-------|-----------------|-------|--|--|--|--|
| FROM | TO | | | | | | | | | | | |
| | | | Sulphide (py, asp, sph) filled fractures all at 50-70° to C.A. | 1959 | 53.11 | 54.11 | 1.0m | | | | | |
| | | | | 1960 | 54.11 | 55.11 | 1.0m | | | | | |
| | | | - at 55m; becomes much more competent, less stained unit. Still very pyritic, minor sphalerite, asp. Feldspar phenocrysts are slightly chloritized. | 1961 | 55.11 | 56.11 | 1.0m | | | | | |
| | | | | 1962 | 56.11 | 57.11 | 1.0m | | | | | |
| | | | | 1963 | 57.11 | 58.11 | 1.0m | | | | | |
| | | | | 1964 | 58.11 | 59.11 | 1.0m | | | | | |
| | | | - 'talcy' and somewhat chloritized on 'slip' surfaces. | 1965 | 59.11 | 60.11 | 1.0m | | | | | |
| | | | | 1966 | 60.11 | 61.11 | 1.0m | | | | | |
| | | | - 63.09m: 1.0m-wide very siliceous zone with banded and fracture-filled pyrite (5-7%) | 1967 | 61.11 | 62.11 | 1.0m | | | | | |
| | | | | 1968 | 62.11 | 63.09 | 0.98m | | | | | |
| | | | - 69.70m: 2.15m-wide zone with 2-10cm-wide white qtz veins at 50-70° to core axis | 1969 | 63.09 | 64.09 | 1.0m | | | | | |
| | | | | 1970 | 64.09 | 65.09 | 1.0m | | | | | |
| | | | Disseminated and fracture-filled pyrite, minor sph, asp. (5-8%) | 1971 | 65.09 | 66.09 | 1.0m | | | | | |
| | | | | 1972 | 66.09 | 67.09 | 1.0m | | | | | |
| | | | - 64.46m: 15cm-wide section of gouged rock. Probable fault. | 1973 | 67.09 | 68.09 | 1.0m | | | | | |
| | | | | 1974 | 68.09 | 69.09 | 1.0m | | | | | |
| | | | - from 76.35m to 90.52m; increase in sulphide content along qtz-calcite fractures and 'smeared' on fractured surfaces. Py, sph, asp ~ 4-6%. | 1975 | 69.09 | 69.70 | 0.61m | | | | | |
| | | | | 1976 | 69.70 | 70.70 | 1.0m | 0.100 | | | | |
| | | | | 1977 | 70.70 | 71.85 | 1.15m | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-6

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |

Hole No. 88-6 Sheet No. 04 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | Au | | | | |
|-------|----|----------|--|------------|-------|-------|-----------------|-------|--|--|--|--|
| FROM | TO | | | | | | | | | | | |
| | | | | 1978 | 71.85 | 72.85 | 1.0m | | | | | |
| | | | - 79.70m: 1cm-wide white qtz vein at 75° to C.A. Dissem. py, asp, sph along margins. | 1979 | 72.95 | 73.95 | 1.0m | 0.071 | | | | |
| | | | | 1980 | 73.85 | 74.85 | 1.0m | | | | | |
| | | | - 80.46: 1cm-wide white qtz vein at 40° to C.A. Dissem. py, asp, gn along margins. | 1981 | 74.85 | 75.85 | 1.0m | | | | | |
| | | | | 1982 | 75.85 | 76.85 | 1.0m | | | | | |
| | | | - 82.90m: 5cm-wide vein of massive py, sph, minor asp. at 70° to C.A. Vein is within a 5cm-wide section of siliceous porphyry dyke with considerable dissem. py, sph, asp. | 1983 | 76.85 | 77.85 | 1.0m | | | | | |
| | | | | 1984 | 77.85 | 78.85 | 1.0m | | | | | |
| | | | | 1985 | 78.85 | 79.85 | 1.0m | | | | | |
| | | | | 1986 | 79.85 | 80.85 | 1.0m | | | | | |
| | | | | 1987 | 80.85 | 81.85 | 1.0m | | | | | |
| | | | - 84.88m: 1cm-wide white qtz vein at 75° to core axis. Dissem py, asp, sph (5-7%) | 1988 | 81.85 | 82.90 | 1.05m | | | | | |
| | | | | 1989 | 82.90 | 83.40 | 0.50m | 0.193 | | | | |
| | | | - 86.25m: 25cm long ~ 1cm-wide qtz-filled fracture ~ parallel to C.A. Dissem py, sph, asp (3-5%) | 1990 | 83.40 | 84.40 | 1.0m | | | | | |
| | | | | 1991 | 84.40 | 85.40 | 1.0m | | | | | |
| | | | | 1992 | 85.40 | 86.50 | 1.10m | | | | | |
| | | | - at 90.52m; porphyry dyke is very siliceous and 'sealed' (2-3% py, sph) | 1993 | 86.50 | 87.50 | 1.0m | | | | | |
| | | | | 1994 | 87.50 | 88.50 | 1.0m | | | | | |
| | | | - footwall contact with cherty argillite ~ 45° with ~ 20cm-wide chilled margin. | 1995 | 88.50 | 89.50 | 1.0m | | | | | |
| | | | | 1996 | 89.50 | 90.50 | 1.0m | | | | | |
| | | | | 1997 | 90.50 | 91.50 | 1.0m | | | | | |
| | | | | 1998 | 91.50 | 92.50 | 1.0m | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-8

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |

Hole No. 88-8 Sheet No. 01
 Section _____
 Date Begun July 5, 1988
 Date Finished July 7, 1988
 Date Logged July 7, 1988

Lat. _____
 Dep. _____
 Bearing 70°
 Elev. Collar 2546.41

Total Depth 60.96m
 Logged By B. Game
 Claim Minto
 Core Size NQ

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | |
|-------|-------|----------|--|------------|-------|-------|-----------------|--|--|--|--|
| FROM | TO | | | | | | | | | | |
| 0 | 3.05 | | Casing and broken rock. | | | | | | | | |
| (0 | 10) | | | | | | | | | | |
| 3.05 | 36.57 | | Siliceous Fragmental Cherty Argillite | | | | | | | | |
| (10 | | | - black argillite matrix with numerous 1-5cm angular fragments (breccia clasts?) of white-grey chert. | | | | | | | | |
| | | | - Swirling areas of white qtz (chert?) | | | | | | | | |
| | | | - 7.01m to 7.91m; very siliceous zone. | | | | | | | | |
| | | | - 9.91m; 30cm - wide zone of fault gouge. | 2110 | 10.52 | 11.52 | 1.0m | | | | |
| | | | - 10.52; 6.09m - wide zone of very siliceous cherty argillite with disseminated and fracture-filled med-grained pyrite (3-4%) and 'blebs' of reddish-brown hematite. | 2111 | 11.52 | 12.52 | 1.0m | | | | |
| | | | | 2112 | 12.52 | 13.52 | 1.0m | | | | |
| | | | | 2113 | 13.52 | 14.52 | 1.0m | | | | |
| | | | | 2114 | 14.52 | 15.52 | 1.0m | | | | |
| | | | - cherty argillite remains very siliceous and fragmental after this zone. | 2115 | 15.52 | 16.61 | 1.09m | | | | |
| | | | - graphitic on fracture planes. | | | | | | | | |
| | | | - remains slightly rusty (oxidized pyrite) on broken surfaces to 22.25m | | | | | | | | |
| | | | - 21.33m; 90cm - wide zone of fine-grained, | 2116 | 21.33 | 22.23 | 0.90m | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-8

| DIP TEST | | |
|----------|---------|-----------|
| | | Angle |
| Footage | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |

Hole No. 88-8 Sheet No. 02 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH FROM TO | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | Au oz/lt. | Ag ppm. | Pb ppm | Zn ppm |
|------------------|----------|--|------------|-------|-------|--------------------|--------------|------------|-----------|-----------|
| | | Siliceous, cherty argillite. Very pyritic. Disseminated red-grained pyrite (5-7%) | | | | | | | | |
| | | - 31.39m: 30cm - wide cave (no core) | 2117 | 34.56 | 35.56 | 1.0m | | | | |
| | | - 35.66m: 6cm - wide vein of massive ps, sph, asp? at 35° to c.A. A zone 10cm before vein and 15cm after vein is very well mineralized with 7-10% pyrite along fractures. Minor 'blebs' of light green marlposite thru this zone. | 2118 | 35.56 | 35.91 | 0.35m | 0.258 | 38.1 | 5211 | 13,990 |
| | | | 2119 | 35.91 | 36.42 | 0.51m | | | | |
| | | | 2120 | 36.42 | 37.42 | 1.0m | | | | |
| | | | 2121 | 37.42 | 38.42 | 1.0m | | | | |
| | | | 2122 | 38.42 | 39.42 | 1.0m | | | | |
| | | | 2123 | 39.42 | 40.34 | 0.92m | | | | |
| | | - 36.42m: 15cm - wide gouged 'talc' rock with 5-7% disseminated fine-grained pyrite. | | | | | | | | |
| 36.57 | 45.72 | Slightly Qtz - Carbonate Altered Greenstone. - pale green - grey rock with areas of swirling white qtz and calcite. - disseminated and fracture-filled fine-grained pyrite (1-2%) - some 'buff' coloured fragments of hanging- | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-8

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | - 50° | |
| | | |
| | | |
| | | |

Hole No. 88-8 Sheet No. 03 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH FROM | TO | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | Au OZ/L | AS PPM |
|------------|-------|----------|---|------------|-------|-------|-----------------|---------|--------|
| | | | wall sedimentary rock in grotto to 40.54m. | 2124 | 40.34 | 40.84 | 0.50m | | |
| | | | - 40.84m: 1.5m-wide zone (WINTER ZONE) | 2125 | 40.84 | 42.34 | 1.50m | 0.057 | 5463 |
| | | | of qtz veining and banding, disseminated | 2126 | 42.34 | 43.34 | 1.0m | | |
| | | | fine to med grained pyrite and asp? (7-10%) | 2127 | 43.34 | 44.34 | 1.0m | | |
| | | | and minor 'blebs' of mariposite. | 2128 | 44.34 | 45.72 | 1.38m | | |
| | | | - remains grey, ^{quartz} siliceous and carbonate altered | 2129 | 45.72 | 47.24 | 1.52m | | |
| | | | rock with disseminated pyrite and occasional | 2130 | 47.24 | 48.24 | 1.0m | | |
| | | | mariposite to 45.72m | 2131 | 48.24 | 49.24 | 1.0m | | |
| | | | | 2132 | 49.24 | 50.24 | 1.0m | | |
| 45.72 | 58.24 | | Feldspar Porphyry Dyke. | 2133 | 50.24 | 51.24 | 1.0m | | |
| | 191 | | - light grey-green rock with 0.1-1.0 cm | 2134 | 51.24 | 52.24 | 1.0m | | |
| | | | angular and concentric phenocrysts of white | 2135 | 52.24 | 53.24 | 1.0m | | |
| | | | feldspar. | 2136 | 53.24 | 54.24 | 1.0m | | |
| | | | - disseminated fine to med-grained py and pp | 2137 | 54.24 | 55.24 | 1.0m | | |
| | | | throughout (1-2%) | 2138 | 55.24 | 56.24 | 1.0m | | |
| | | | - 47.24m: 1m-wide section with stringers of pyrite | 2139 | 56.24 | 57.24 | 1.0m | | |
| | | | at all angles to core axis. Minor asp | 2140 | 57.24 | 58.24 | 1.0m | | |
| | | | on fractured surfaces. | | | | | | |
| | | | - footwall contact at ~ 30° to S.A. | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-9

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | -50° | |
| | | |
| | | |

Hole No. 88-9 Sheet No. 01
 Section _____
 Date Begun July 7, 1988
 Date Finished July 8, 1988
 Date Logged July 8, 1988

Lat. _____
 Dep. _____
 Bearing 035°
 Elev. Collar 2546.7 ft

Total Depth 70.41m
 Logged By B. Game
 Claim Minto
 Core Size NO

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | | | |
|-------|-------|----------|--|------------|-------|-------|-----------------|--|--|--|--|--|--|
| FROM | TO | | | | | | | | | | | | |
| 0 | 3.20 | | Casing and broken rock. | | | | | | | | | | |
| (0) | 10.5) | | | | | | | | | | | | |
| 3.20 | 15.21 | | Fragmental Cherty Argillite | | | | | | | | | | |
| (10.5 | | | - black argillite with 0.5-5.0cm angular clasts of white-grey chert. | | | | | | | | | | |
| | | | - Fractured and slightly graphitic to 12m | | | | | | | | | | |
| | | | - generally very siliceous, with stringers and bands of white quartz throughout. | | | | | | | | | | |
| | | | - Fracture-filled and disseminated fine to med-grained pyrite (1-2%) | | | | | | | | | | |
| | | | - 13.7m: 1.5m-wide section of very siliceous cherty argillite. Quartz floating thru this section with fracture-filled fine-grained pyrite (2-3%) | 2142 | 13.71 | 15.21 | 1.50m | | | | | | |
| 15.21 | 20.27 | | Silicified Greywacke? | | | | | | | | | | |
| | | | - 'gritty' - light brown silicified rock with stringers of quartz and occasional stringers and disseminations of pyrrhotite. (1-2%) | | | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-9

| DIP TEST | | |
|----------|---------|-----------|
| | Angle | |
| Footage | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |

Hole No. 88-9 Sheet No. 02 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | | | |
|-------|-------|----------|---|------------|------|----|--------------------|--|--|--|--|--|--|
| FROM | TO | | | | | | | | | | | | |
| | | | - hanging-wall contact ~ 30°; Footwall contact 15-20° to C.A. | | | | | | | | | | |
| 20.27 | 23.55 | | Fragmental Cherty Argillite - very siliceous - graphitic on fracture planes - footwall contact with greywacke @ 10° to C.A. - Disseminated and fracture-filled fine-grained pyrite (1-2%) | | | | | | | | | | |
| 22.59 | 25.75 | | Silicified Greywacke? - occasional stringers and bands of white quartz - Stringers and disseminations of pyrite and pyrrhotite (1-2%) - Footwall contact ~ 15° to C.A. | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-9

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |

Hole No. 88-9 Sheet No. 03 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | |
|-------|-------|----------|--|------------|-------|-------|-----------------|--|--|--|--|
| FROM | TO | | | | | | | | | | |
| 25.75 | 36.70 | | Very Siliceous Cherty Argillite - "quartz-flooded" with stringers and 'blebs' of fine to med-grained pyrite (3-5%) and minor asp. - very competent, 'sealed' unit with fracture- filled mineralization along minute fractures and in small cavities - from 31.2m to 36.2m, increase in sulphide content with pyrite, p ₂ s, and minor asp. (7-10%) - 33.83m: 20cm-wide zone with (12-15%) py, p ₂ s, minor asp. - 35.36: 0.55m-wide zone with (12-15%) py, asp, minor p ₂ s, along fractures and as 'blebs' - footwall contact ~ \perp to C.A. | 2143 | 25.75 | 26.75 | 1.0m | | | | |
| | | | | 2144 | 26.75 | 27.75 | 1.0m | | | | |
| | | | | 2145 | 27.75 | 28.75 | 1.0m | | | | |
| | | | | 2146 | 28.75 | 29.75 | 1.0m | | | | |
| | | | | 2147 | 29.75 | 30.75 | 1.0m | | | | |
| | | | | 2148 | 30.75 | 31.75 | 1.0m | | | | |
| | | | | 2149 | 31.75 | 32.75 | 1.0m | | | | |
| | | | | 2150 | 32.75 | 33.75 | 1.0m | | | | |
| | | | | 2151 | 33.75 | 34.75 | 1.0m | | | | |
| | | | | 2152 | 34.75 | 35.36 | 0.61m | | | | |
| | | | | 2153 | 35.36 | 35.91 | 0.55m | | | | |
| | | | | 2154 | 35.91 | 36.70 | 0.79m | | | | |
| 36.70 | 37.48 | | Silicified Greywacke? - numerous stringers and fracture-filled py & p ₂ s (3-4%) | 2155 | 36.70 | 37.48 | 0.78m | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-9

| DIP TEST | | |
|----------|---------|-----------|
| Angle | | |
| Footage | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |

Hole No. 88-9 Sheet No. 04 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | | |
|-------|-------|----------|--|------------|-------|-------|-----------------|--|--|--|--|--|
| FROM | TO | | | | | | | | | | | |
| 37.48 | 38.71 | | Very Siliceous Cherty Argillite - 'quartz-flooded' - Fracture-fillings and 'blebs' of fine-grained py, pφ, minor asp (5-7%) - footwall contact @ 25-30° to C.A. | 2156 | 37.48 | 38.71 | 1.23m | | | | | |
| 38.71 | 48.00 | | Silicified Greywacke? - occasional stringers of quartz and calcite at all angles to C.A. - Disseminated and fracture-filled fine to med-grained pyrite (3-5%) minor pφ (<1%) - Occasional 'smeared' pyrite on fracture planes. - Fragments of light green, siliceous rock (greenstone?) within this unit. - 45.41m: 0.25m-wide zone with 0.1-0.5cm-wide stringers of calcite at all angles to C.A. with stringers and 'blebs' of py, pφ (7-10%) | 2157 | 38.71 | 39.71 | 1.0m | | | | | |
| | | | | 2158 | 39.71 | 40.71 | 1.0m | | | | | |
| | | | | 2159 | 40.71 | 41.71 | 1.0m | | | | | |
| | | | | 2160 | 41.71 | 42.71 | 1.0m | | | | | |
| | | | | 2161 | 42.71 | 43.71 | 1.0m | | | | | |
| | | | | 2162 | 43.71 | 44.71 | 1.0m | | | | | |
| | | | | 2163 | 44.71 | 45.71 | 1.0m | | | | | |
| | | | | 2164 | 45.71 | 46.71 | 1.0m | | | | | |
| | | | | 2165 | 46.71 | 48.0 | 1.29m | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-9

| DIP TEST | | |
|----------|---------|-----------|
| | | Angle |
| Footage | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |

Hole No. 88-9 Sheet No. 05 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | | | | |
|-------|-------|----------|--|------------|-------|-------|-----------------|--|--|--|--|--|--|--|
| FROM | TO | | | | | | | | | | | | | |
| | | | 47.55m: 40cm - wide zone with disseminated and fracture - filled pyrite and 'blebs' of hematite. | | | | | | | | | | | |
| 48.00 | 48.76 | | Fragmental Cherty Argillite - disseminated fine-grained pyrite (1%) | | | | | | | | | | | |
| 48.76 | 52.49 | | Quartz - Carbonate altered Rock - original rock greywacke? feldspar porph dyke? - disseminated fine-grained pyrite (1-2%) - 1-2cm fragments of white-grey chert. - 50.75m: 30cm - wide zone of gouge with qtz fragments; disseminated pyrite. Hanging-wall fault. 51.05m: 1.44m - wide zone of qtz veining, disseminated and banded fine-grained pyrite, mica, mariposite, rock slightly gouged. WINTER ZONE Gradational contact with feldspar porphyry dyke. | 2166 | 48.76 | 49.76 | 1.0m | | | | | | | |
| | | | | 2167 | 49.76 | 50.75 | 0.99m | | | | | | | |
| | | | | 2168 | 50.75 | 51.05 | 0.30m | | | | | | | |
| | | | | 2169 | 51.05 | 52.49 | 1.44m | | | | | | | |

DIAMOND DRILL RECORD

PROPERTY MINTO

HOLE No. 88-9

| DIP TEST | | |
|----------|---------|-----------|
| Footage | Angle | |
| | Reading | Corrected |
| | -50° | |
| | | |
| | | |
| | | |

Hole No. 88-9 Sheet No. 06 Lat. _____ Total Depth _____
 Section _____ Dep. _____ Logged By _____
 Date Begun _____ Bearing _____ Claim _____
 Date Finished _____ Elev. Collar _____ Core Size _____
 Date Logged _____

| DEPTH | | RECOVERY | DESCRIPTION | SAMPLE No. | FROM | TO | WIDTH OF SAMPLE | | | | |
|-------|-------|----------|---|------------|-------|-------|-----------------|--|--|--|--|
| FROM | TO | | | | | | | | | | |
| 52.49 | 70.41 | | Feldspar Porphyry Dyke | 2170 | 52.49 | 53.49 | 1.0m | | | | |
| 231 | | | - green-grey rock (dioritic?) with 0.1-1.0cm angular and concentric phenocrysts of white feldspar | 2171 | 53.49 | 54.49 | 1.0m | | | | |
| | | | - some evidence of fracturing and shearing to 56m. | 2172 | 54.49 | 55.49 | 1.0m | | | | |
| | | | - Disseminated and fracture-filled fine-grained pyrite and pyrrhotite (1-2%) | 2173 | 55.49 | 56.49 | 1.0m | | | | |
| | | | - talcy and slightly chloritized on fractured surfaces. | | | | | | | | |
| | | | - remains a very uniform unit to the end of hole. | | | | | | | | |
| | 70.41 | | END OF HOLE | | | | | | | | |

COMPANY: AVIND MINES
 PROJECT NO: MINTO
 ATTENTION: E. GANE

MIN-EN LABS ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

(ACT:F31) PAGE 1 OF 1
 FILE NO: B-771/P1+2
 * TYPE ROCK GEOCHEM * DATE: JUNE 30, 1988

| (VALUES IN PPM) | AS | AG | CU | FE | SB | ZN | AU-PPB |
|-----------------|------|------|-----|-------|------|-------|--------|
| 1801 | .4 | 154 | 38 | 62 | 1 | 110 | 10 |
| 1802 | 1.3 | 357 | 212 | 87 | 4 | 188 | 40 |
| 1803 | .6 | 60 | 85 | 8 | 2 | 174 | 20 |
| 1804 | 1.5 | 1773 | 51 | 24 | 1875 | 80 | 1000 |
| 1805 | .3 | 16 | 44 | 18 | 14 | 89 | 5 |
| 1806 | .3 | 492 | 37 | 35 | 6 | 82 | 20 |
| 1807 | .6 | 286 | 28 | 24 | 2 | 85 | 40 |
| 1808 | 10.6 | 388 | 220 | 2144 | 4 | 3976 | 160 |
| 1809 | .5 | 33 | 6 | 40 | 1 | 105 | 10 |
| 1810 | .4 | 42 | 6 | 57 | 1 | 139 | 20 |
| 1811 | .3 | 28 | 6 | 35 | 3 | 118 | 40 |
| 1812 | 2.7 | 50 | 12 | 439 | 7 | 457 | 120 |
| 1813 | 1.2 | 651 | 13 | 76 | 12 | 226 | 140 |
| 1814 | .6 | 7 | 6 | 51 | 3 | 114 | 50 |
| 1815 | .2 | 15 | 5 | 28 | 1 | 104 | 40 |
| 1816 | 4.1 | 6143 | 7 | 719 | 22 | 1089 | 1350 |
| 1817 | .5 | 591 | 14 | 11 | 10 | 15 | 70 |
| 1818 | 5.3 | 64 | 24 | 8 | 4 | 70 | 70 |
| 1819 | .5 | 49 | 69 | 24 | 5 | 55 | 80 |
| 1820 | .7 | 27 | 27 | 16 | 2 | 89 | 40 |
| 1821 | 1.6 | 69 | 47 | 48 | 3 | 82 | 20 |
| 1822 | 1.3 | 23 | 78 | 20 | 2 | 78 | 10 |
| 1823 | 1.8 | 40 | 61 | 14 | 2 | 52 | 30 |
| 1824 | .3 | 1 | 38 | 28 | 1 | 131 | 40 |
| 1825 | .5 | 3 | 28 | 36 | 1 | 233 | 40 |
| 1826 | .6 | 36 | 36 | 20 | 1 | 94 | 10 |
| 1827 | .3 | 312 | 9 | 26 | 17 | 91 | 5 |
| 1828 | 1.1 | 231 | 20 | 11 | 1 | 17 | 20 |
| 1829 | 1.6 | 434 | 12 | 137 | 10 | 112 | 100 |
| 1830 | 1.2 | 300 | 24 | 10 | 2 | 9 | 5 |
| 1831 | 1.4 | 382 | 13 | 13 | 2 | 9 | 40 |
| 1832 | 1.6 | 286 | 12 | 15 | 1 | 5 | 50 |
| 1833 | 1.5 | 517 | 18 | 11 | 1 | 18 | 10 |
| 1834 | 1.5 | 199 | 10 | 11 | 1 | 12 | 30 |
| 1835 | 1.5 | 363 | 7 | 13 | 1 | 68 | 10 |
| 1836 | 1.0 | 747 | 15 | 9 | 1 | 25 | 60 |
| 1837 | .6 | 1037 | 25 | 94 | 8 | 131 | 160 |
| 1838 | 44.6 | 2231 | 6 | 12178 | 350 | 17499 | 15400 |
| 1839 | .4 | 11 | 15 | 60 | 1 | 130 | 40 |
| 1840 | .2 | 205 | 5 | 72 | 3 | 123 | 80 |
| 1841 | .6 | 475 | 27 | 69 | 1 | 89 | 50 |
| 1842 | 1.0 | 294 | 14 | 10 | 1 | 11 | 20 |
| 1843 | 1.5 | 659 | 53 | 100 | 1 | 135 | 50 |
| 1844 | .3 | 663 | 24 | 55 | 2 | 146 | 150 |
| 1845 | 4.4 | 1871 | 16 | 1115 | 28 | 308 | 740 |
| 1846 | 1.9 | 305 | 8 | 4 | 2 | 7 | 60 |
| 1847 | 1.4 | 38 | 6 | 4 | 1 | 7 | 30 |
| 1848 | 1.6 | 32 | 5 | 4 | 2 | 7 | 10 |
| 1849 | 1.6 | 26 | 6 | 17 | 3 | 6 | 5 |

88-1

88-2



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SPECIALISTS IN MINERAL ENVIRONMENTS
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VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of ASSAY

Company: AVINO MINES
Project: MINTO
Attention: B. GAME

File: B-771/P1
Date: JUNE 25/88
Type: ROCK ASSAY

I hereby certify the following results for samples submitted.

| Sample Number | AU G/TONNE | AU OZ/TON |
|---------------|------------|-----------|
| 1904 | 1.02 | 0.030 |
| 316 | 1.64 | 0.048 |
| 1338 | 18.80 | 0.548 |

Certified by _____

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TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Analytical Report

Company: AVINO MINES
Project: MINTO
Attention: B. GAME/C. SAMPSON

File: 8-771
Date: JUNE 25/88
Type: ROCK GEOCHEM

Date Samples Received : JUNE 22/88
Samples Submitted by : B. GAME

Report on 49 ROCKS ASSAY CUT..... Geochem Samples
.....
..... Assay Samples
.....

- Copies sent to:
1. AVINO MINES, VANCOUVER, B.C.
 2. CHRIS SAMPSON, VANCOUVER, B.C.
 - 3.

Samples: Sieved to mesh Ground to mesh -150....

Prepared samples stored: X.... discarded:
rejects stored: discarded: X.....

Methods of analysis:

- 6 ELEMENT TRACE ICP.
- AU - WET.A.A.
- AU - FIRE ASSAY.

Remarks

PROJECT NO: MINTO-DRILL CORE

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-891R/P1+2

ATTENTION: C.SAMPSON B.GAME L.WOLFIN

(604)980-5814 OR (604)988-4224

* TYPE ROCK GEOCHEM * DATE: JULY 13, 1988

| (VALUES IN PPM) | AS | AR | CU | PB | SB | ZN | AI-PPE |
|-----------------|------|-------|-----|------|-------|------|--------|
| 1850 | 1.5 | 182 | 8 | 6 | 2 | 16 | 19 |
| 1851 | 1.1 | 239 | 9 | 6 | 4 | 7 | 26 |
| 1852 | 1.4 | 564 | 35 | 372 | 5 | 411 | 158 |
| 1853 | 1.0 | 45 | 5 | 5 | 3 | 14 | 19 |
| 1854 | .3 | 47 | 4 | 7 | 7 | 31 | 3 |
| 1855 | .3 | 268 | 9 | 6 | 4 | 6 | 14 |
| 1856 | .4 | 778 | 28 | 8 | 5 | 13 | 320 |
| 1857 | .3 | 16 | 3 | 11 | 3 | 171 | 6 |
| 1858 | 5.0 | 969 | 26 | 1826 | 5 | 951 | 1000 |
| 1859 | .5 | 40 | 17 | 73 | 5 | 92 | 7 |
| 1860 | 14.4 | 50 | 108 | 4015 | 1 | 2785 | 1100 |
| 1861 | .4 | 38 | 29 | 51 | 1 | 73 | 4 |
| 1862 | 1.6 | 44 | 5 | 26 | 1 | 56 | 23 |
| 1863 | .4 | 13 | 26 | 24 | 7 | 107 | 2 |
| 1864 | 1.5 | 16 | 28 | 21 | 7 | 150 | 312 |
| 1865 | 1.4 | 3 | 26 | 19 | 7 | 240 | 120 |
| 1866 | .8 | 27 | 20 | 19 | 6 | 112 | 154 |
| 1867 | 2.0 | 14 | 31 | 18 | 7 | 65 | 11 |
| 1868 | 1.9 | 22 | 36 | 20 | 9 | 105 | 63 |
| 1869 | 1.3 | 18 | 26 | 25 | 6 | 70 | 115 |
| 1870 | .7 | 60 | 29 | 23 | 70 | 93 | 69 |
| 1871 | 1.8 | 20 | 21 | 19 | 12 | 112 | 35 |
| 1872 | .5 | 2534 | 51 | 16 | 31 | 79 | 1050 |
| 1873 | .4 | 34 | 21 | 24 | 3 | 138 | 237 |
| 1874 | 1.4 | 136 | 48 | 670 | 35 | 334 | 30 |
| 1875 | .3 | 234 | 37 | 21 | 183 | 69 | 41 |
| 1876 | 4.8 | 23430 | 37 | 119 | 29589 | 353 | 30000 |
| 1877 | 1.7 | 12280 | 26 | 34 | 1802 | 261 | 9000 |
| 1878 | 3.3 | 8282 | 57 | 75 | 3532 | 194 | 5300 |
| 1879 | 4.8 | 5924 | 58 | 54 | 4752 | 282 | 4000 |
| 1880 | 1.4 | 7388 | 52 | 26 | 178 | 75 | 1880 |
| 1881 | 2.2 | 232 | 43 | 32 | 55 | 91 | 126 |
| 1882 | 1.8 | 567 | 29 | 45 | 56 | 83 | 540 |
| 1883 | 3.8 | 598 | 70 | 48 | 97 | 114 | 812 |
| 1884 | 3.4 | 1427 | 42 | 31 | 79 | 34 | 1100 |
| 1885 | 1.3 | 5077 | 37 | 19 | 129 | 148 | 502 |
| 1886 | 2.5 | 9169 | 37 | 13 | 175 | 56 | 3000 |
| 1887 | .6 | 2121 | 27 | 10 | 59 | 76 | 500 |
| 1888 | .4 | 3514 | 66 | 15 | 71 | 46 | 279 |
| 1889 | .3 | 2256 | 4 | 11 | 29 | 71 | 210 |
| 1890 | 1.7 | 209 | 17 | 16 | 16 | 64 | 46 |
| 1891 | 1.8 | 41 | 21 | 15 | 9 | 49 | 120 |
| 1892 | 1.2 | 2712 | 24 | 15 | 64 | 91 | 26 |
| 1893 | 1.7 | 89 | 25 | 12 | 12 | 86 | 20 |
| 1894 | .5 | 99 | 27 | 21 | 1 | 446 | 82 |
| 1895 | .2 | 3 | 42 | 8 | 1 | 666 | 100 |
| 1896 | .6 | 20 | 43 | 53 | 2 | 435 | 76 |
| 1897 | .6 | 8 | 38 | 15 | 1 | 349 | 45 |
| 1898 | .2 | 25 | 23 | 15 | 25 | 539 | 22 |
| 1899 | .6 | 29 | 32 | 23 | 12 | 541 | 40 |
| 1900 | .7 | 12 | 37 | 17 | 44 | 1098 | 62 |
| 1901 | .4 | 1903 | 31 | 244 | 31 | 1832 | 302 |
| 1902 | .5 | 34 | 19 | 18 | 12 | 1006 | 37 |
| 1903 | .2 | 19 | 18 | 17 | 1 | 994 | 122 |
| 1904 | .4 | 35 | 11 | 16 | 3 | 740 | 47 |
| 1905 | .5 | 21 | 12 | 8 | 3 | 437 | 25 |
| 1906 | .4 | 169 | 18 | 12 | 4 | 1025 | 42 |
| 1907 | .6 | 3 | 17 | 15 | 6 | 342 | 20 |
| 1908 | .5 | 6 | 11 | 18 | 4 | 386 | 18 |
| 1909 | .5 | 7 | 10 | 12 | 4 | 258 | 21 |

88-3

88-4

88-5

| (VALUES IN PPM) | AG | AS | CU | FB | SB | ZN | AU-PPB |
|-----------------|-----|-------|-----|-----|-----|-------|--------|
| 1970 | .5 | 18 | 31 | 23 | 4 | 856 | 43 |
| 1971 | .5 | 16 | 35 | 25 | 4 | 1334 | 164 |
| 1972 | .5 | 22 | 20 | 17 | 6 | 1155 | 39 |
| 1973 | .6 | 18 | 20 | 13 | 2 | 857 | 21 |
| 1974 | .4 | 17 | 27 | 14 | 6 | 1346 | 67 |
| 1975 | .5 | 733 | 27 | 104 | 27 | 1283 | 273 |
| 1976 | .5 | 4003 | 20 | 659 | 203 | 1407 | 3000 |
| 1977 | .8 | 1493 | 43 | 178 | 55 | 1406 | 685 |
| 1978 | .6 | 18 | 29 | 25 | 18 | 1173 | 59 |
| 1979 | 2.3 | 2155 | 39 | 531 | 15 | 1759 | 2200 |
| 1980 | .6 | 7 | 20 | 24 | 3 | 708 | 204 |
| 1981 | .6 | 20 | 34 | 24 | 5 | 2755 | 217 |
| 1982 | .5 | 38 | 24 | 27 | 6 | 1402 | 71 |
| 1983 | .2 | 20 | 35 | 18 | 7 | 1168 | 98 |
| 1984 | .3 | 1 | 37 | 15 | 4 | 1750 | 66 |
| 1985 | .6 | 33 | 183 | 50 | 1 | 2618 | 250 |
| 1986 | .4 | 8 | 36 | 509 | 4 | 2016 | 72 |
| 1987 | .5 | 233 | 40 | 94 | 4 | 765 | 106 |
| 1988 | .5 | 36 | 41 | 20 | 1 | 1381 | 255 |
| 1989 | 3.3 | 11749 | 108 | 39 | 7 | 21692 | 6400 |
| 1990 | .6 | 25 | 55 | 51 | 4 | 1890 | 775 |
| 1991 | .2 | 10 | 46 | 22 | 6 | 3914 | 136 |
| 1992 | .6 | 12 | 48 | 19 | 6 | 4555 | 447 |
| 1993 | .3 | 4 | 44 | 24 | 2 | 2534 | 62 |
| 1994 | .4 | 34 | 44 | 19 | 3 | 2452 | 70 |
| 1995 | .5 | 523 | 42 | 96 | 1 | 3113 | 196 |
| 1996 | .3 | 5 | 68 | 106 | 3 | 2826 | 37 |

88-6

COMPANY: AVINO MINES
 PROJECT NO: MINTO-DRILL CORE
 ATTENTION: C. SAMPSON & GAME L. WOLFEN

MIN-EN LABS ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)960-5814 OR (604)988-4524

(ACT: F31) PAGE 1 OF 1
 FILE NO: 8-891/P3+4
 DATE: JULY 13, 1988

* TYPE ROCK GEOCHEM *

| (VALUES IN PPM) | AS | AS | CU | FE | SB | ZN | AU-PPB |
|-----------------|-----|-------|----|------|----|-------|--------|
| 1910 | .6 | 10 | 12 | 15 | 4 | 340 | 32 |
| 1911 | .7 | 28 | 27 | 19 | 3 | 3750 | 14 |
| 1912 | .4 | 33 | 22 | 18 | 1 | 1219 | 54 |
| 1913 | 1.0 | 2015 | 47 | 34 | 3 | 4115 | 646 |
| 1914 | .6 | 223 | 36 | 16 | 5 | 984 | 73 |
| 1915 | .4 | 28 | 29 | 16 | 6 | 1605 | 28 |
| 1916 | .7 | 1 | 29 | 17 | 5 | 1467 | 49 |
| 1917 | .6 | 74 | 32 | 25 | 6 | 1792 | 57 |
| 1918 | .5 | 7 | 30 | 16 | 6 | 1698 | 52 |
| 1919 | .5 | 33 | 32 | 19 | 4 | 416 | 58 |
| 1920 | .5 | 26 | 13 | 12 | 4 | 155 | 14 |
| 1921 | .5 | 1 | 11 | 14 | 5 | 168 | 2 |
| 1922 | .6 | 19 | 13 | 13 | 2 | 567 | 23 |
| 1923 | .6 | 11 | 34 | 18 | 5 | 210 | 2250 |
| 1924 | .5 | 278 | 25 | 128 | 12 | 874 | 173 |
| 1925 | .7 | 29 | 12 | 17 | 8 | 424 | 26 |
| 1926 | .5 | 28 | 10 | 12 | 6 | 680 | 38 |
| 1927 | .4 | 3 | 12 | 13 | 4 | 195 | 12 |
| 1928 | .5 | 31 | 12 | 15 | 2 | 237 | 9 |
| 1929 | 6.8 | 28002 | 67 | 310 | 9 | 10735 | 8500 |
| 1930 | .6 | 191 | 16 | 18 | 6 | 442 | 24 |
| 1931 | .4 | 23 | 6 | 18 | 3 | 391 | 2 |
| 1932 | .6 | 19 | 4 | 11 | 4 | 133 | 3 |
| 1933 | .5 | 14 | 2 | 9 | 3 | 121 | 1 |
| 1934 | .3 | 3 | 3 | 14 | 3 | 86 | 4 |
| 1935 | .4 | 33 | 18 | 10 | 3 | 75 | 2 |
| 1936 | .7 | 5 | 13 | 17 | 4 | 148 | 18 |
| 1937 | .6 | 37 | 17 | 12 | 3 | 383 | 9 |
| 1938 | .5 | 21 | 4 | 15 | 4 | 115 | 3 |
| 1939 | .6 | 192 | 8 | 14 | 3 | 214 | 42 |
| 1940 | .6 | 274 | 53 | 68 | 6 | 129 | 8 |
| 1941 | 1.0 | 10 | 30 | 15 | 8 | 107 | 17 |
| 1942 | 1.1 | 24 | 29 | 19 | 11 | 77 | 33 |
| 1943 | 2.3 | 18 | 60 | 129 | 8 | 217 | 9 |
| 1944 | 2.2 | 51 | 58 | 21 | 2 | 69 | 2 |
| 1945 | .6 | 183 | 78 | 16 | 4 | 2102 | 48 |
| 1946 | .3 | 42 | 53 | 14 | 7 | 587 | 113 |
| 1947 | .7 | 7959 | 68 | 17 | 4 | 2011 | 1020 |
| 1948 | .7 | 1088 | 40 | 192 | 17 | 815 | 365 |
| 1949 | .3 | 342 | 30 | 29 | 15 | 764 | 48 |
| 1950 | 1.1 | 3262 | 30 | 450 | 41 | 2794 | 690 |
| 1951 | 2.1 | 11362 | 28 | 584 | 35 | 2107 | 1050 |
| 1952 | .6 | 2066 | 24 | 38 | 11 | 1440 | 342 |
| 1953 | 5.3 | 13098 | 34 | 1421 | 23 | 10879 | 1150 |
| 1954 | .3 | 442 | 29 | 99 | 25 | 1569 | 54 |
| 1955 | .6 | 40 | 23 | 24 | 10 | 960 | 38 |
| 1956 | .4 | 75 | 27 | 36 | 5 | 1329 | 96 |
| 1957 | 1.4 | 20430 | 6 | 627 | 25 | 2930 | 2300 |
| 1958 | .6 | 324 | 27 | 56 | 10 | 1037 | 39 |
| 1959 | .6 | 46 | 28 | 21 | 19 | 938 | 4 |
| 1960 | .3 | 21 | 11 | 10 | 7 | 426 | 12 |
| 1961 | .4 | 23 | 47 | 35 | 8 | 1336 | 50 |
| 1962 | .5 | 27 | 23 | 15 | 5 | 1475 | 27 |
| 1963 | .6 | 26 | 19 | 16 | 2 | 790 | 9 |
| 1964 | .4 | 19 | 15 | 17 | 3 | 473 | 28 |
| 1965 | .7 | 23 | 25 | 20 | 1 | 1524 | 34 |
| 1966 | .3 | 15 | 13 | 11 | 4 | 400 | 31 |
| 1967 | .5 | 31 | 23 | 21 | 4 | 2096 | 60 |
| 1968 | .5 | 30 | 30 | 17 | 2 | 2185 | 47 |
| 1969 | .6 | 8 | 38 | 18 | 1 | 1898 | 24 |

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88-6



Certificate of GEOCHEM

Company: AVINO MINES + RESOURCES
Project: MINTO-DRILL CORE
Attention: C. SAMPSON/B. GAME/L. WOLFIN

File: 8-891/P1
Date: JULY 13/88
Type: ROCK ASSAY

I hereby certify the following results for samples submitted.

| Sample Number | AU-FIRE G/TONNE | AU-FIRE OZ/TON | |
|---------------|-----------------|----------------|--------|
| 858 | 1.14 | 0.033 | } 88-3 |
| 860 | 1.27 | 0.037 | |
| 1872 | 1.23 | 0.036 | |
| 1876 | 36.80 | 1.073 | } 88-4 |
| 877 | 11.58 | 0.338 | |
| 1878 | 5.98 | 0.174 | } 88-5 |
| 879 | 4.38 | 0.128 | |
| 880 | 1.98 | 0.058 | |
| 1884 | 1.20 | 0.035 | |
| 1886 | 3.81 | 0.111 | |
| 1923 | 2.43 | 0.071 | } 88-6 |
| 1929 | 12.39 | 0.361 | |
| 947 | 1.19 | 0.035 | |
| 951 | 1.22 | 0.036 | |
| 1953 | 1.21 | 0.035 | |
| 957 | 2.57 | 0.075 | } 88-6 |
| 1976 | 3.42 | 0.100 | |
| 1979 | 2.43 | 0.071 | |
| 989 | 6.62 | 0.193 | |

Certified by



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NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Analytical Report

Company: AVIND MINES
Project: MINTQ-DRILL CORE
Attention: C. SAMPSON B. GAME L. WOLFIN

File: 8-891
Date: JULY 13/88
Type: ROCK GEOCHEM

Date Samples Received : JULY 8/88
Samples Submitted by : C. SAMPSON

Report on 147 ROCKS Geochem Samples
..... Assay Samples

- Copies sent to:
1. AVIND MINES, VANCOUVER, B.C.
 2. CHRIS SAMPSON, VANCOUVER, B.C.
 - 3.

Samples: Sieved to mesh Ground to mesh-100.....
Prepared samples stored:X..... discarded:.....
rejects stored:..... discarded:.....X.....

Methods of analysis:

AU-FIRE GEOCHEM
6 ELEMENT TRACE ICP
AU-FIRE ASSAY

Remarks

COMPANY: AVINO MINES
 PROJECT NO: MINTO
 ATTENTION: C. SAMPSON E. BAYE

MIN-EN LABS ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

(ACT: F31) PAGE 1 OF 1
 FILE NO: 8-915/P142
 * TYPE ROCK GEOCHEM * DATE: JULY 15, 1988

| (VALUES IN PPM) | As | Co | Cr | Pb | Se | Zn | AU-PPB |
|-----------------|------|------|------|------|------|-------|--------|
| 1997 | .9 | 24 | 25 | 25 | 2 | 1287 | 41 |
| 1998 | .5 | 17 | 22 | 23 | 2 | 1485 | 23 |
| 1999 | 1.0 | 50 | 29 | 28 | 2 | 1427 | 39 |
| 2000 | .5 | 9 | 28 | 17 | 2 | 1364 | 76 |
| 2101 | .6 | 27 | 21 | 19 | 8 | 106 | 62 |
| 2102 | .3 | 20 | 28 | 16 | 1 | 66 | 79 |
| 2103 | .5 | 20 | 42 | 16 | 8 | 57 | 81 |
| 2104 | .3 | 8 | 53 | 16 | 2 | 63 | 11 |
| 2105 | .6 | 20 | 85 | 26 | 8 | 75 | 24 |
| 2106 | .8 | 3 | 50 | 15 | 46 | 96 | 19 |
| 2107 | 1.6 | 173 | 39 | 19 | 115 | 66 | 58 |
| 2108 | .2 | 4451 | 16 | 14 | 556 | 24 | 1960 |
| 2109 | .5 | 1905 | 22 | 20 | 131 | 74 | 337 |
| 2110 | .4 | 191 | 17 | 16 | 14 | 124 | 58 |
| 2111 | .5 | 310 | 14 | 23 | 6 | 164 | 63 |
| 2112 | .4 | 95 | 64 | 20 | 7 | 1103 | 69 |
| 2113 | 1.5 | 261 | 153 | 19 | 24 | 164 | 84 |
| 2114 | .6 | 41 | 15 | 74 | 21 | 2012 | 249 |
| 2115 | 1.9 | 47 | 96 | 273 | 118 | 11065 | 228 |
| 2116 | .6 | 16 | 122 | 19 | 8 | 224 | 25 |
| 2117 | .5 | 632 | 5 | 9 | 3 | 273 | 79 |
| 2118 | 36.1 | 6545 | 184 | 5211 | 2105 | 13990 | 7240 |
| 2119 | .6 | 1231 | 4 | 234 | 72 | 1778 | 429 |
| 2120 | .7 | 1619 | 54 | 21 | 53 | 164 | 198 |
| 2121 | .4 | 726 | 48 | 9 | 2 | 169 | 77 |
| 2122 | .4 | 58 | 3 | 2 | 12 | 178 | 41 |
| 2123 | .4 | 783 | 5 | 11 | 10 | 445 | 42 |
| 2124 | .4 | 1062 | 5 | 6 | 12 | 158 | 117 |
| 2125 | .9 | 5463 | 56 | 230 | 113 | 239 | 1360 |
| 2126 | .7 | 1214 | 43 | 9 | 7 | 25 | 141 |
| 2127 | .7 | 792 | 37 | 2 | 3 | 79 | 155 |
| 2128 | .6 | 1322 | 45 | 6 | 6 | 70 | 159 |
| 2129 | .9 | 468 | 61 | 10 | 3 | 285 | 394 |
| 2130 | 1.2 | 384 | 31 | 20 | 5 | 86 | 13 |
| 2131 | .4 | 31 | 16 | 17 | 4 | 90 | 2 |
| 2132 | .4 | 16 | 11 | 16 | 6 | 102 | 1 |
| 2133 | .7 | 22 | 11 | 12 | 6 | 66 | 2 |
| 2134 | 1.1 | 23 | 10 | 15 | 7 | 56 | 1 |
| 2135 | 1.4 | 18 | 10 | 14 | 7 | 60 | 3 |
| 2136 | .6 | 11 | 8 | 14 | 6 | 55 | 67 |
| 2137 | .3 | 24 | 9 | 17 | 5 | 56 | 4 |
| 2138 | .4 | 25 | 13 | 15 | 6 | 71 | 6 |
| 2139 | .5 | 17 | 14 | 17 | 4 | 161 | 15 |
| 2140 | .5 | 11 | 20 | 18 | 5 | 133 | 81 |
| 2141 | 1.0 | 42 | 1058 | 6 | 10 | 19139 | 12 |
| 2142 | 2.3 | 44 | 87 | 17 | 6 | 2622 | 60 |
| 2143 | 2.5 | 190 | 76 | 15 | 30 | 245 | 84 |
| 2144 | 2.4 | 829 | 100 | 19 | 40 | 91 | 5 |
| 2145 | 2.4 | 410 | 51 | 20 | 44 | 92 | 123 |
| 2146 | 3.9 | 432 | 49 | 21 | 32 | 165 | 9 |
| 2147 | 2.4 | 132 | 63 | 14 | 24 | 83 | 78 |
| 2148 | 1.9 | 601 | 120 | 15 | 12 | 68 | 34 |
| 2149 | 1.9 | 5593 | 91 | 25 | 26 | 120 | 328 |
| 2150 | 1.6 | 954 | 94 | 17 | 18 | 172 | 104 |
| 2151 | 1.5 | 3930 | 147 | 34 | 12 | 206 | 1020 |
| 2152 | 2.4 | 131 | 72 | 16 | 12 | 70 | 53 |
| 2153 | 2.1 | 1182 | 334 | 39 | 16 | 44 | 1500 |
| 2154 | 1.8 | 4713 | 95 | 15 | 10 | 51 | 620 |
| 2155 | .3 | 29 | 93 | 7 | 12 | 122 | 75 |
| 2156 | 2.5 | 1223 | 134 | 12 | 10 | 119 | 396 |

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88-7

88-8

88-9

COMPANY: AVIND MINES

MIN-EN LABS ICP REPORT

(ADT:P31) PAGE 1 OF 1

PROJECT NO: MINTO

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: B-913/P3

ATTENTION: C. SAMPSON & GAYE

(604)980-5614 OR (604)988-4524

* TYPE ROCK GEOCHEM *

DATE: JULY 15, 1988

| (VALUES IN PPM) | AG | AS | CU | FE | SE | ZN | AU-PPB |
|-----------------|-----|------|----|-----|-----|------|--------|
| 2157 | .5 | 55 | 73 | 8 | 9 | 109 | 45 |
| 2158 | .7 | 36 | 26 | 10 | 10 | 90 | 4 |
| 2159 | .7 | 53 | 37 | 10 | 1 | 97 | 192 |
| 2160 | .4 | 57 | 52 | 11 | 11 | 95 | 36 |
| 2161 | .6 | 43 | 36 | 12 | 9 | 87 | 13 |
| 2162 | .8 | 43 | 54 | 15 | 1 | 142 | 79 |
| 2163 | .3 | 204 | 47 | 12 | 1 | 109 | 198 |
| 2164 | 1.4 | 34 | 14 | 8 | 3 | 297 | 76 |
| 2165 | .6 | 110 | 42 | 7 | 3 | 3141 | 157 |
| 2166 | .2 | 29 | 47 | 10 | 8 | 198 | 32 |
| 2167 | .3 | 36 | 32 | 3 | 9 | 155 | 308 |
| 2168 | .6 | 390 | 14 | 9 | 53 | 335 | 495 |
| 2169 | 9.0 | 1778 | 55 | 396 | 211 | 1115 | 725 |
| 2170 | .7 | 140 | 16 | 23 | 17 | 458 | 93 |
| 2171 | 1.1 | 35 | 12 | 24 | 11 | 286 | 14 |
| 2172 | .7 | 8 | 7 | 15 | 7 | 236 | 5 |
| 2173 | .8 | 30 | 10 | 14 | 7 | 229 | 8 |

88-9



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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of ASSAY

Company: AVINO MINES
Project: MINTO
Attention: C. SAMPSON/B. GAME

File: 8-915/P1
Date: JULY 15/88
Type: ROCK ASSAY

I hereby certify the following results for samples submitted.

| Sample Number | AU G/TONNE | AU OZ/TON | |
|---------------|------------|-----------|------|
| 2108 | 2.27 | 0.066 | 88-7 |
| 118 | 8.85 | 0.258 | 88-8 |
| 2125 | 1.94 | 0.057 | |
| 2151 | 1.18 | 0.034 | 88-9 |
| 153 | 1.59 | 0.046 | |

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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Analytical Report

Company: AVINO MINES
Project: MINTO
Attention: C. SAMPSON/B. GAME

File: 8-915
Date: JULY 15/88
Type: ROCK GEOCHEM

Date Samples Received : JULY 8/88
Samples Submitted by : BRIAN COAME

Report on 77 ROCKS..... Geochem Samples
.....
..... Assay Samples
.....

Copies sent to:

1. AVINO MINES, VANCOUVER, B.C.
2. SAMPSON ENGINEERING, VANCOUVER, B.C.
- 3.

Samples: Sieved to mesh Ground to mesh-100M...

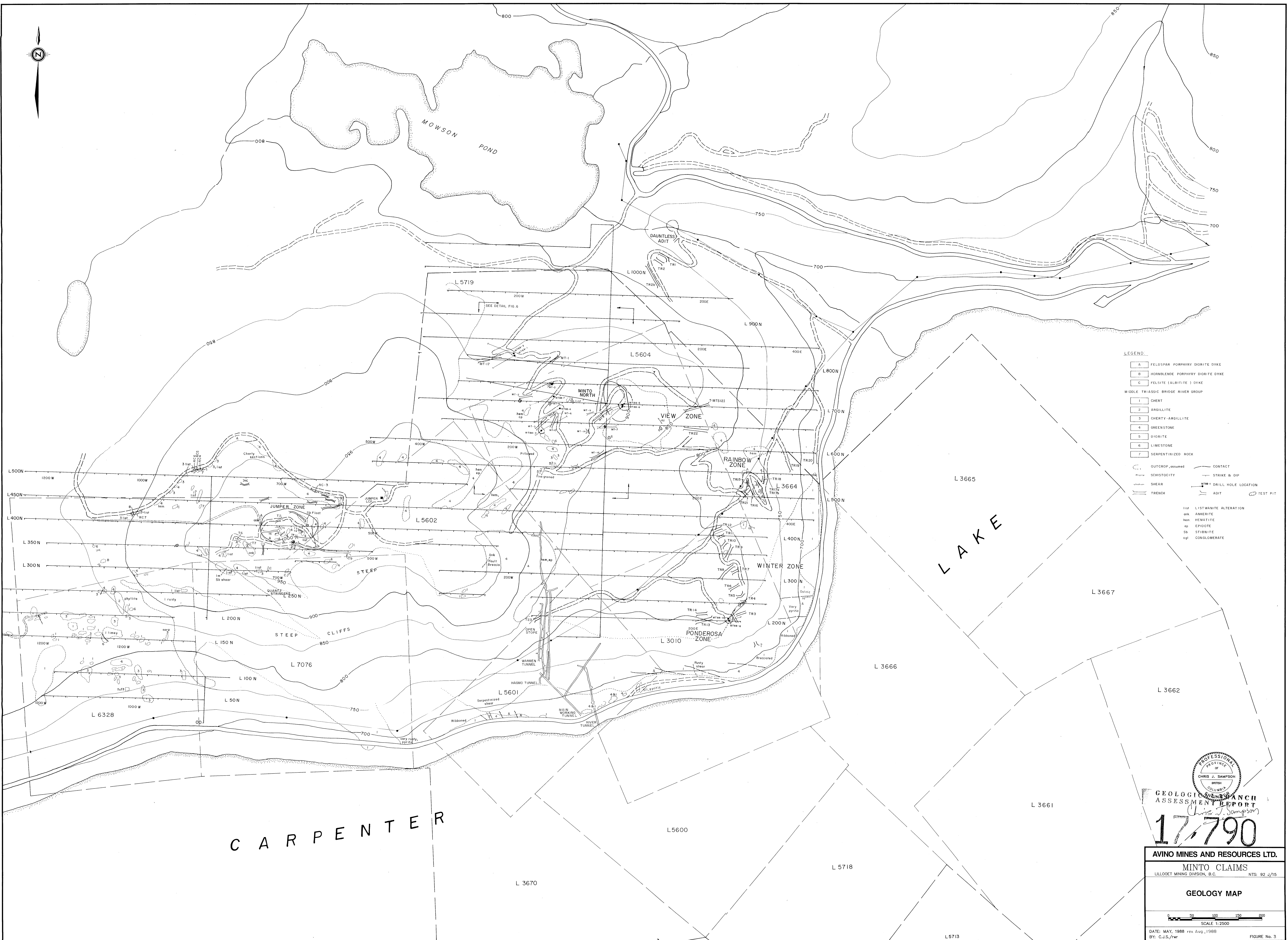
Prepared samples stored:X.... discarded:.....
rejects stored:X.... discarded:.....

Methods of analysis:

6 ELEMENT ICP
AU FIRE GEOCHEM
AU FIRE ASSAY

Remarks

[Handwritten signature or initials]



LEGEND

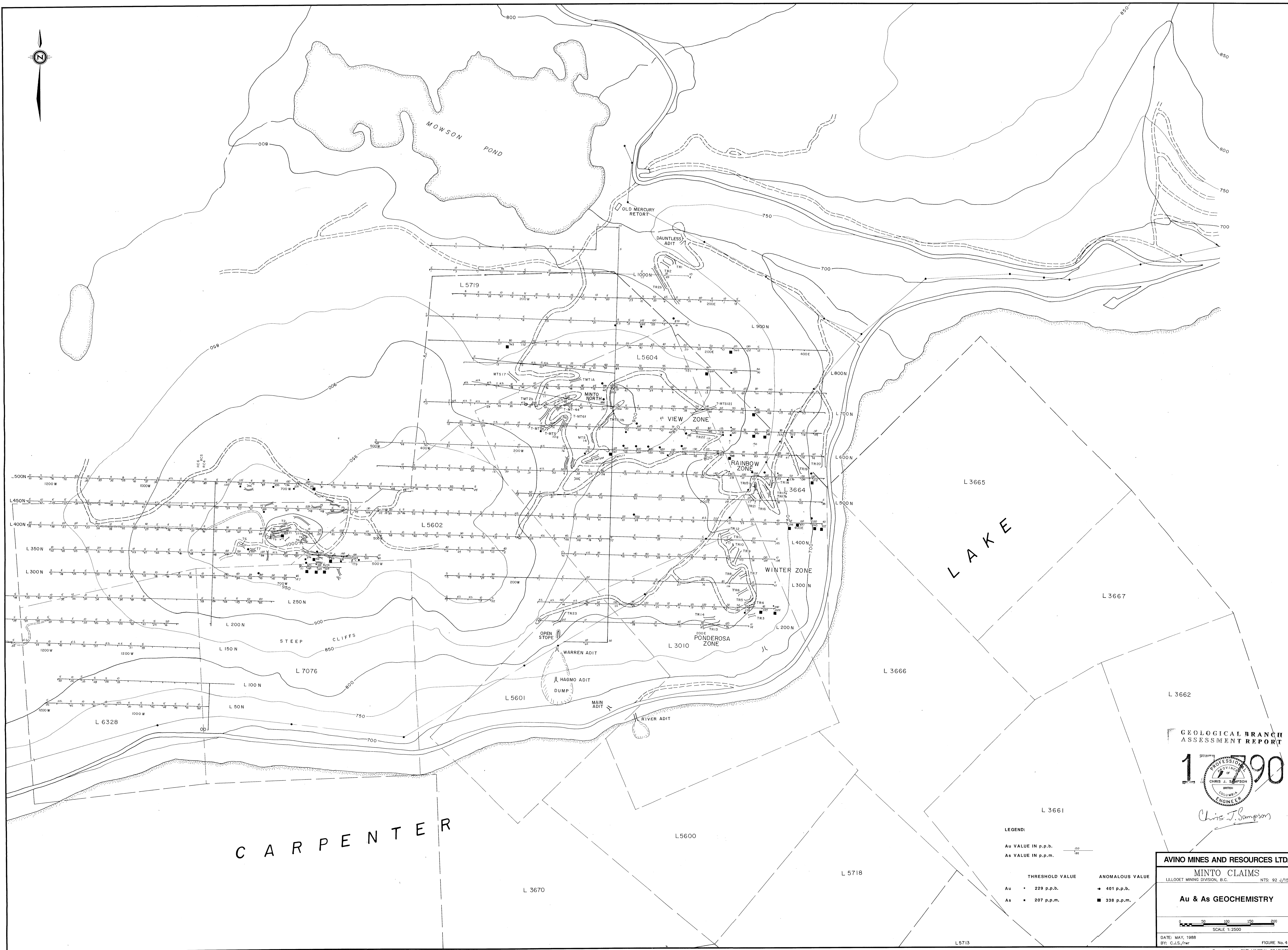
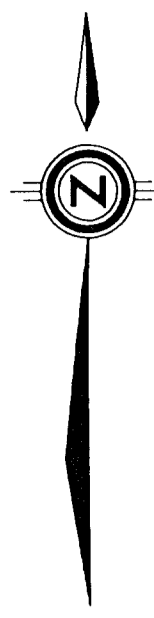
| | |
|------------------------------------|----------------------------------|
| A | FELDSPAR PORPHYRY DIORITE DYKE |
| B | HORNBLende PORPHYRY DIORITE DYKE |
| C | FELSITE (ALBITITE) DYKE |
| MIDDLE TRIASSIC BRIDGE RIVER GROUP | |
| 1 | CHERT |
| 2 | ARGILLITE |
| 3 | CHERTY-ARGILLITE |
| 4 | GREENSTONE |
| 5 | DIORITE |
| 6 | LIMESTONE |
| 7 | SERPENTINIZED ROCK |
| CONTACT | |
| --- | SCHISTOCITY |
| --- | SHIELD |
| --- | TRENCH |
| --- | OUTCROP ASSUMED |
| --- | STRIKE & DIP |
| --- | DRILL HOLE LOCATION |
| --- | ADIT |
| --- | TEST PIT |

ih LISTWANITE ALTERATION
 ank ANKERITE
 hem HEMATITE
 ep EPIDOT
 sb STIBNITE
 cgl CONGLOMERATE

CARPENTER

LAKE

PROFESSIONAL
 PROVINCE OF
 BRITISH COLUMBIA
 CHRIS J. SAMPSON
 GEOLOGICAL ENGINEER
 ASSESSMENT REPORT
 17,790
 AVINO MINES AND RESOURCES LTD.
 MINTO CLAIMS
 LULLOET MINING DIVISION, B.C. NTS: 92 J/15
 GEOLOGY MAP
 SCALE 1:2500
 DATE: MAY, 1988 rev Aug, 1988
 BY: C.J.S./rwr
 Prepared by: RWR MINERAL GRAPHICS LTD.



CARPENTER

LAKE

LEGEND:

| | | | |
|-----------------|-----------------|-----------------|------------|
| Au | VALUE IN p.p.b. | ○ | 401 p.p.b. |
| As | VALUE IN p.p.m. | ■ | 338 p.p.m. |
| THRESHOLD VALUE | | ANOMALOUS VALUE | |
| Au | 229 p.p.b. | ○ | 401 p.p.b. |
| As | 207 p.p.m. | ■ | 338 p.p.m. |

GEOLOGICAL BRANCH
ASSESSMENT REPORT

1790

PROFESSIONAL ENGINEER
CHRIS J. CAMPBELL
COLUMBIA

Chris J. Campbell

AVINO MINES AND RESOURCES LTD.
MINTO CLAIMS
LILLOOET MINING DIVISION, B.C. NTS: 92 J/15

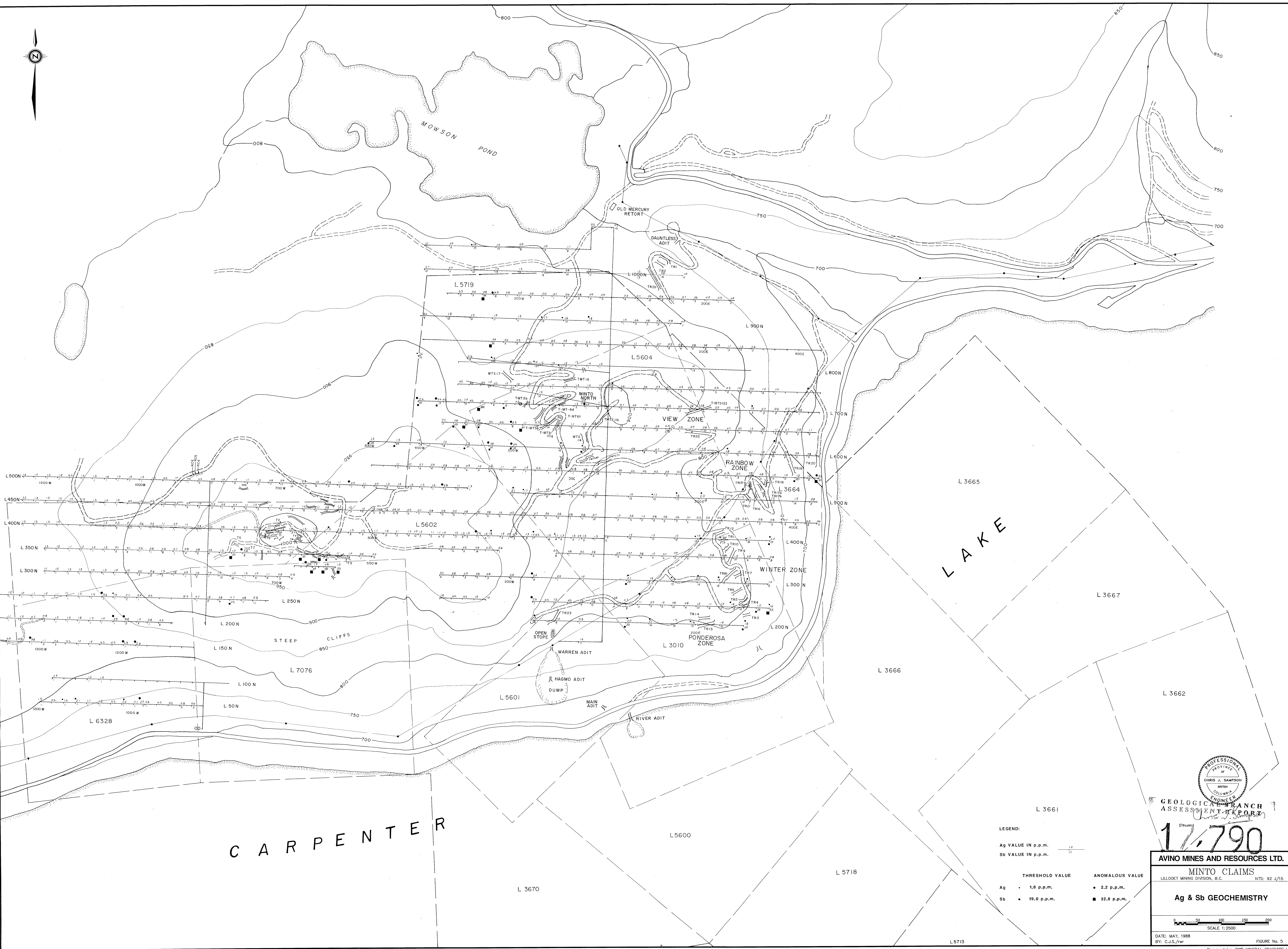
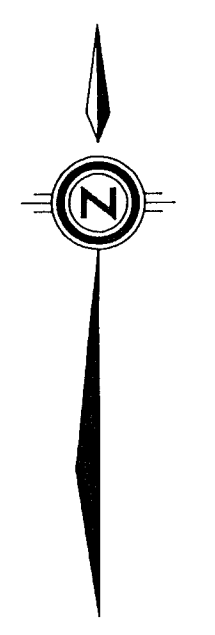
Au & As GEOCHEMISTRY

DATE: MAY, 1988
BY: C.J.S./rwr

SCALE 1:2500

FIGURE No. 4

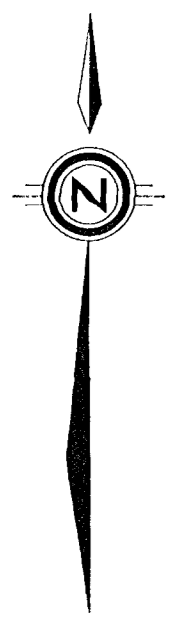
Prepared by: RWR MINERAL GRAPHICS LTD.



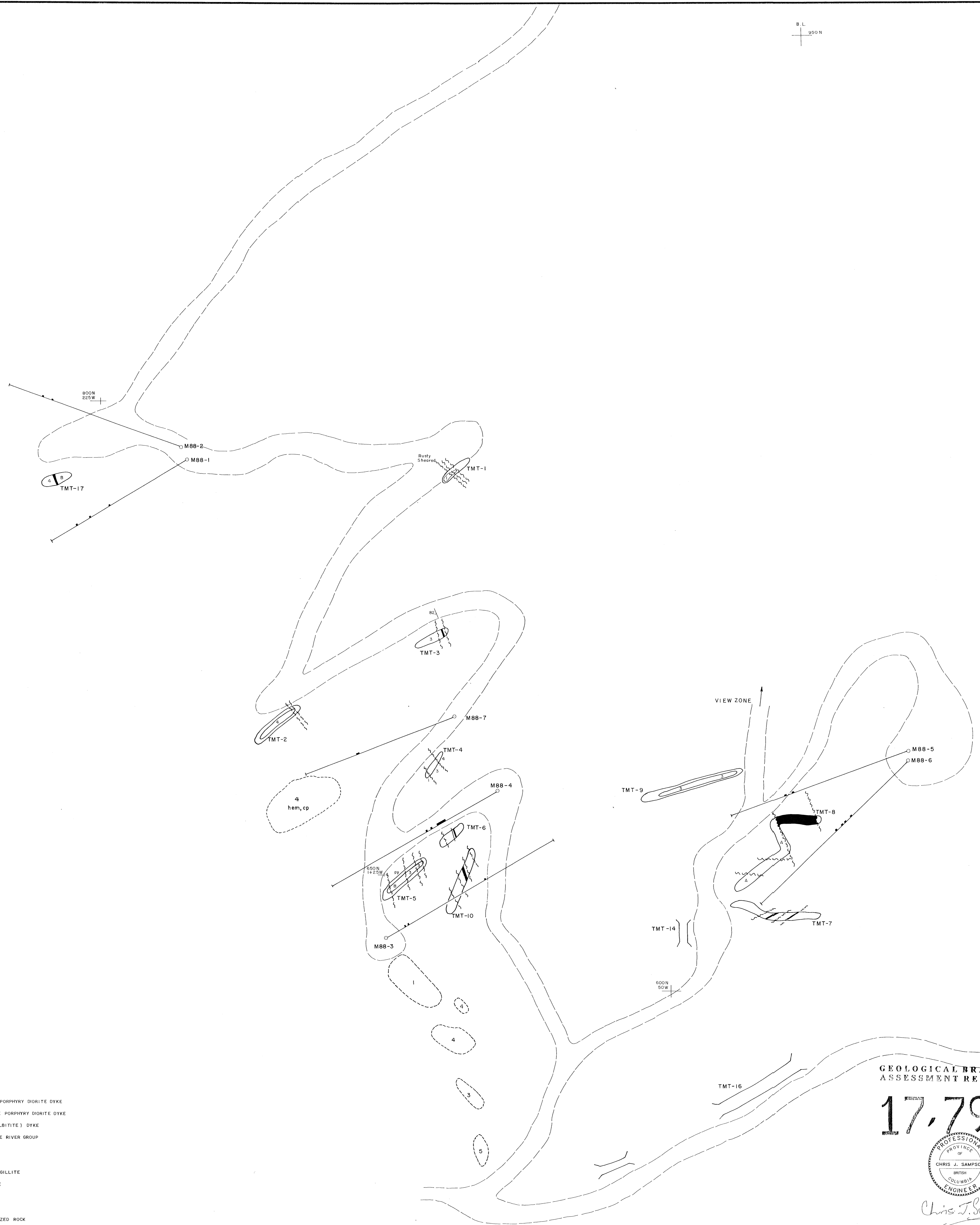
LEGEND:

| | |
|--------------------|-------------|
| Ag VALUE IN p.p.m. | 1/2 |
| Sb VALUE IN p.p.m. | 1/1 |
| THRESHOLD VALUE | |
| Ag | 1.6 p.p.m. |
| Sb | 19.0 p.p.m. |
| ANOMALOUS VALUE | |
| | 2.2 p.p.m. |
| | 32.8 p.p.m. |

PROFESSIONAL
 PROVINCE OF
 BRITISH COLUMBIA
 CHAIRMAN
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT
 17,790
 AVINO MINES AND RESOURCES LTD.
 MINTO CLAIMS
 LILLOOET MINING DIVISION, B.C. NTS: 92 J/15
 Ag & Sb GEOCHEMISTRY
 DATE: MAY, 1988
 BY: C.J.S./rwr
 SCALE 1:2500
 FIGURE No. 5



B.L.
950N

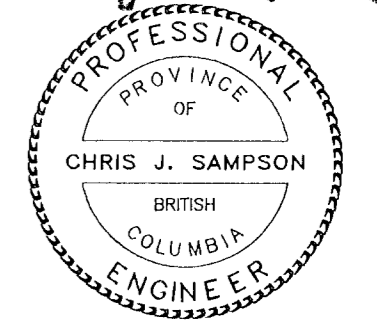


LEGEND

- A FELDSPAR PORPHYRY DIORITE DYKE
- B HORNBLENDE PORPHYRY DIORITE DYKE
- C FELSITE (ALBITITE) DYKE
- MIDDLE TRIASSIC BRIDGE RIVER GROUP
- 1 CHERT
- 2 ARGILLITE
- 3 CHERTY-ARGILLITE
- 4 GREENSTONE
- 5 DIORITE
- 6 LIMESTONE
- 7 SERPENTINIZED ROCK
- OUTCROP
- ~~~~~ SHEAR
- ODH LOCATION
- MINERALIZED INTERSECTION

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

17,790

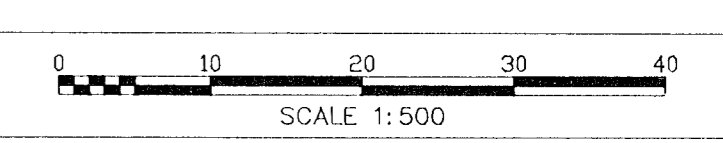


Chris J. Sampson

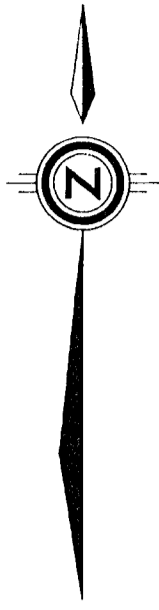
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MINTO CLAIMS
LILLOET MINING DIVISION, B.C. NTS: 92 J/15

(MINTO NORTH ZONE)

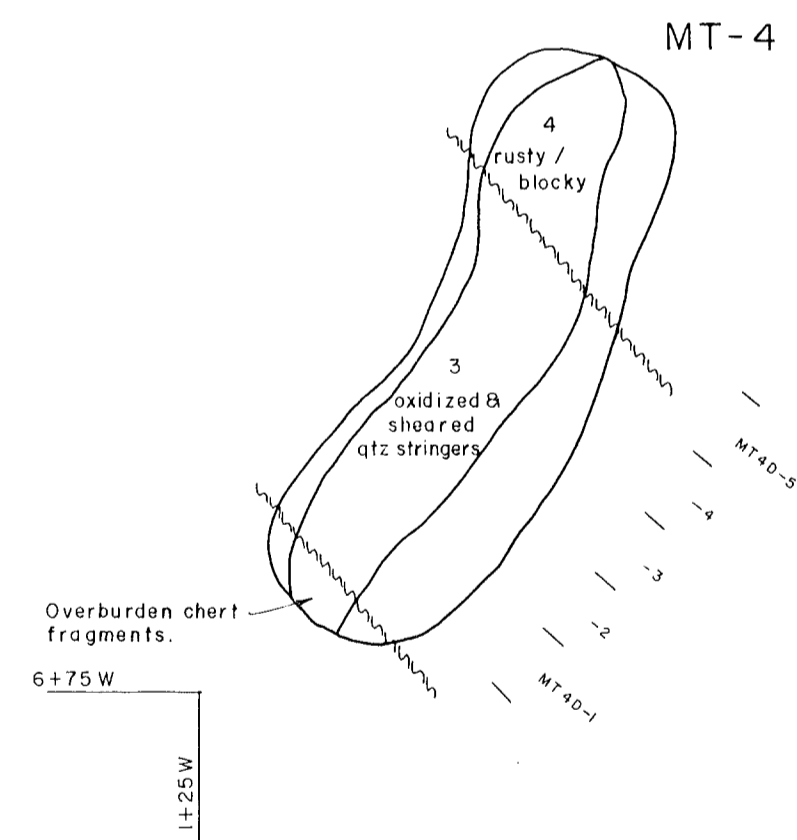
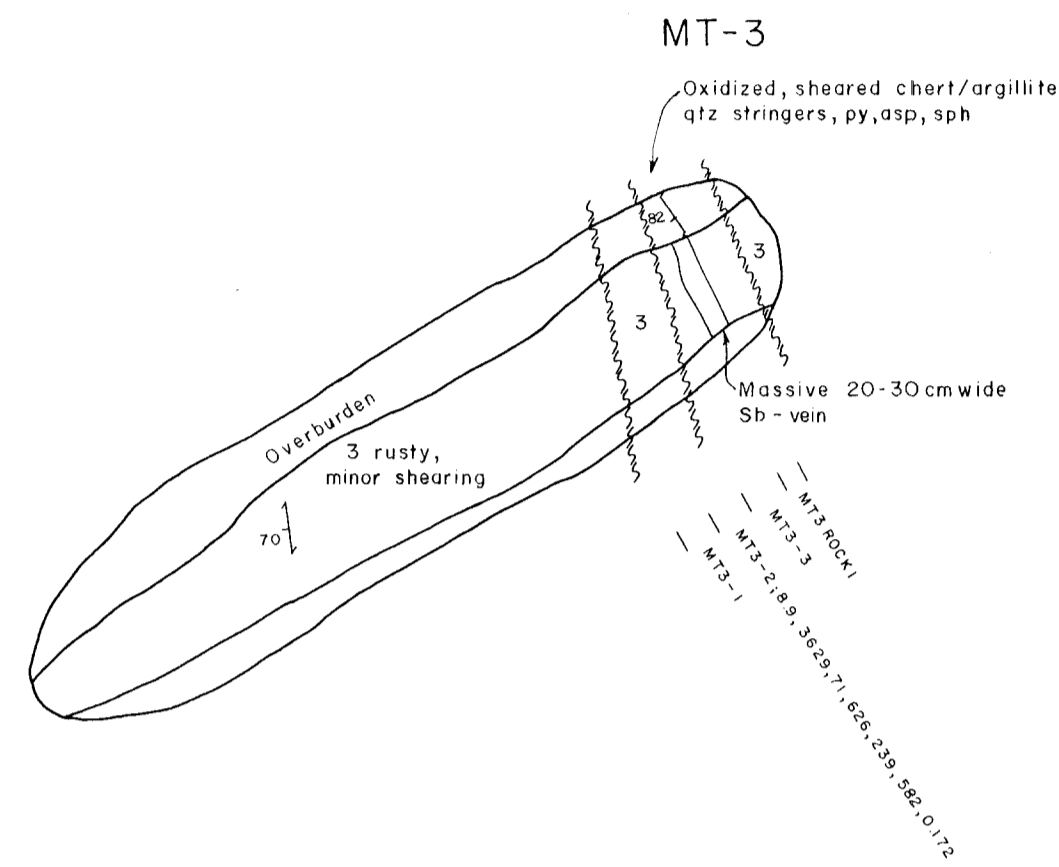


DATE: BY: C.J.S./rer FIGURE No. 6



1:25 W

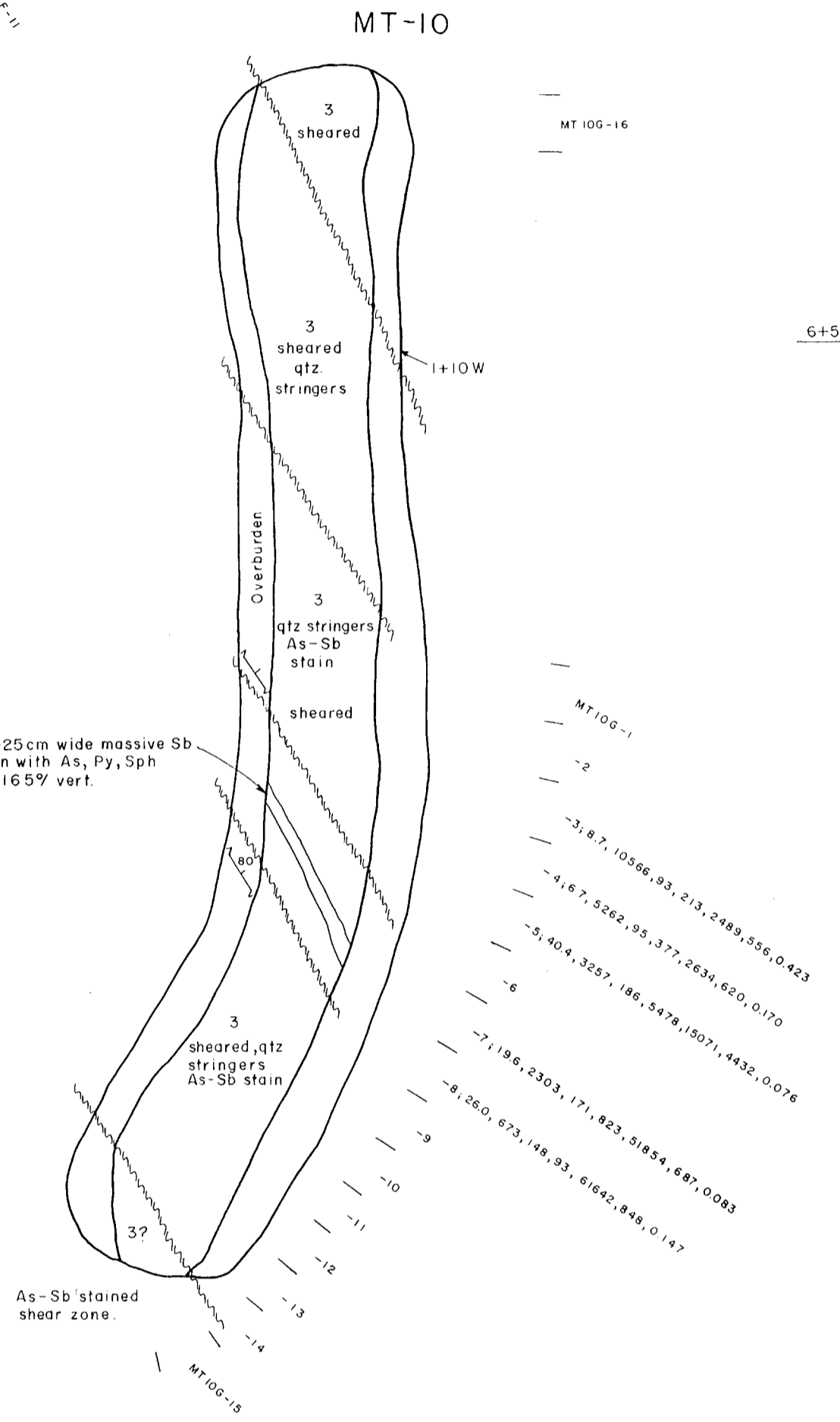
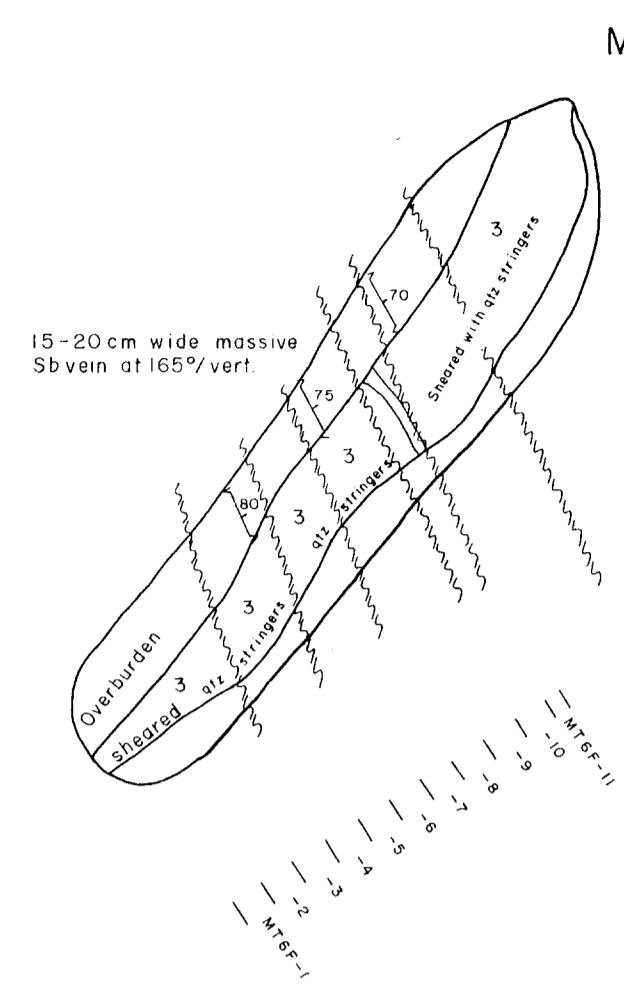
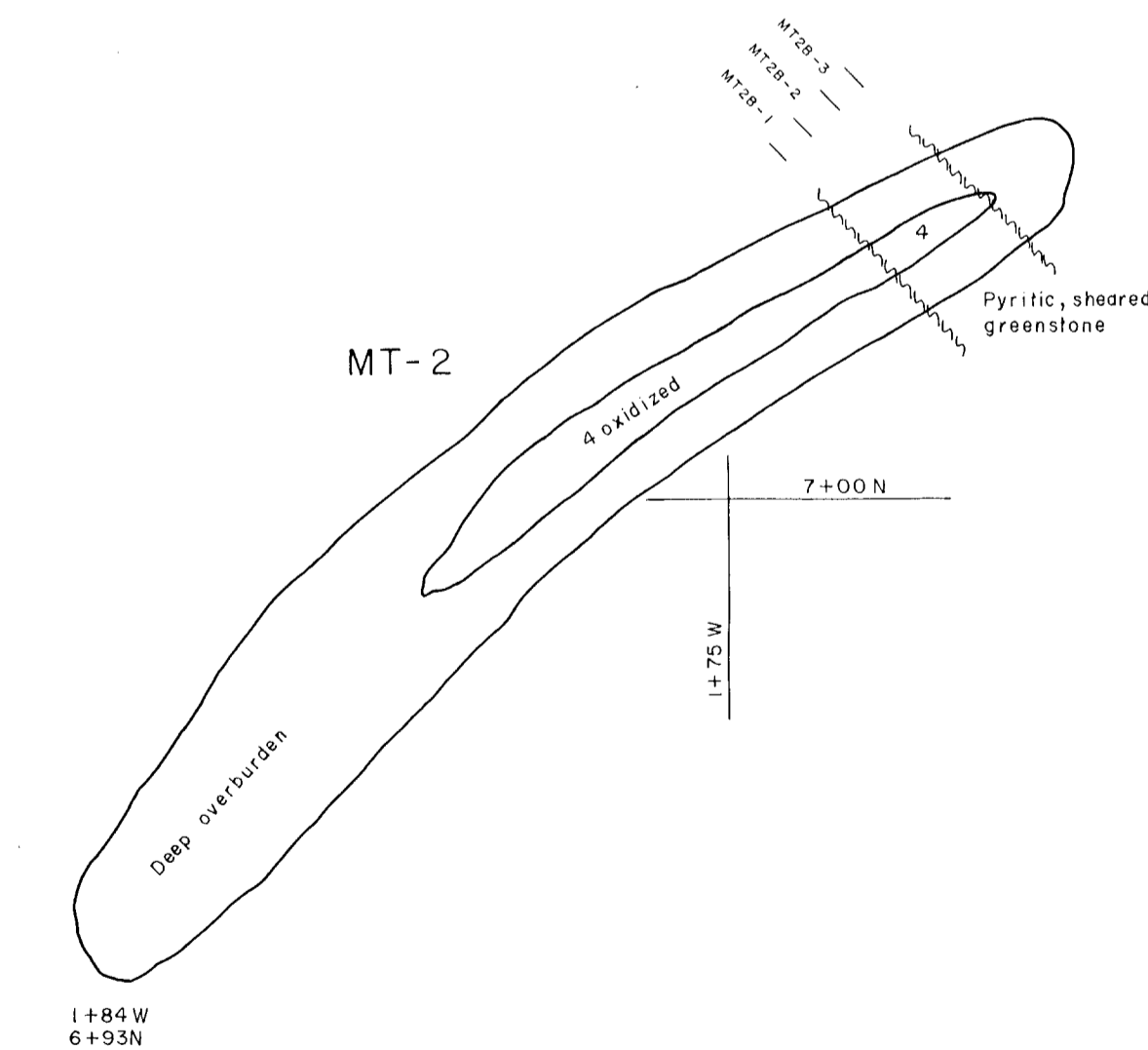
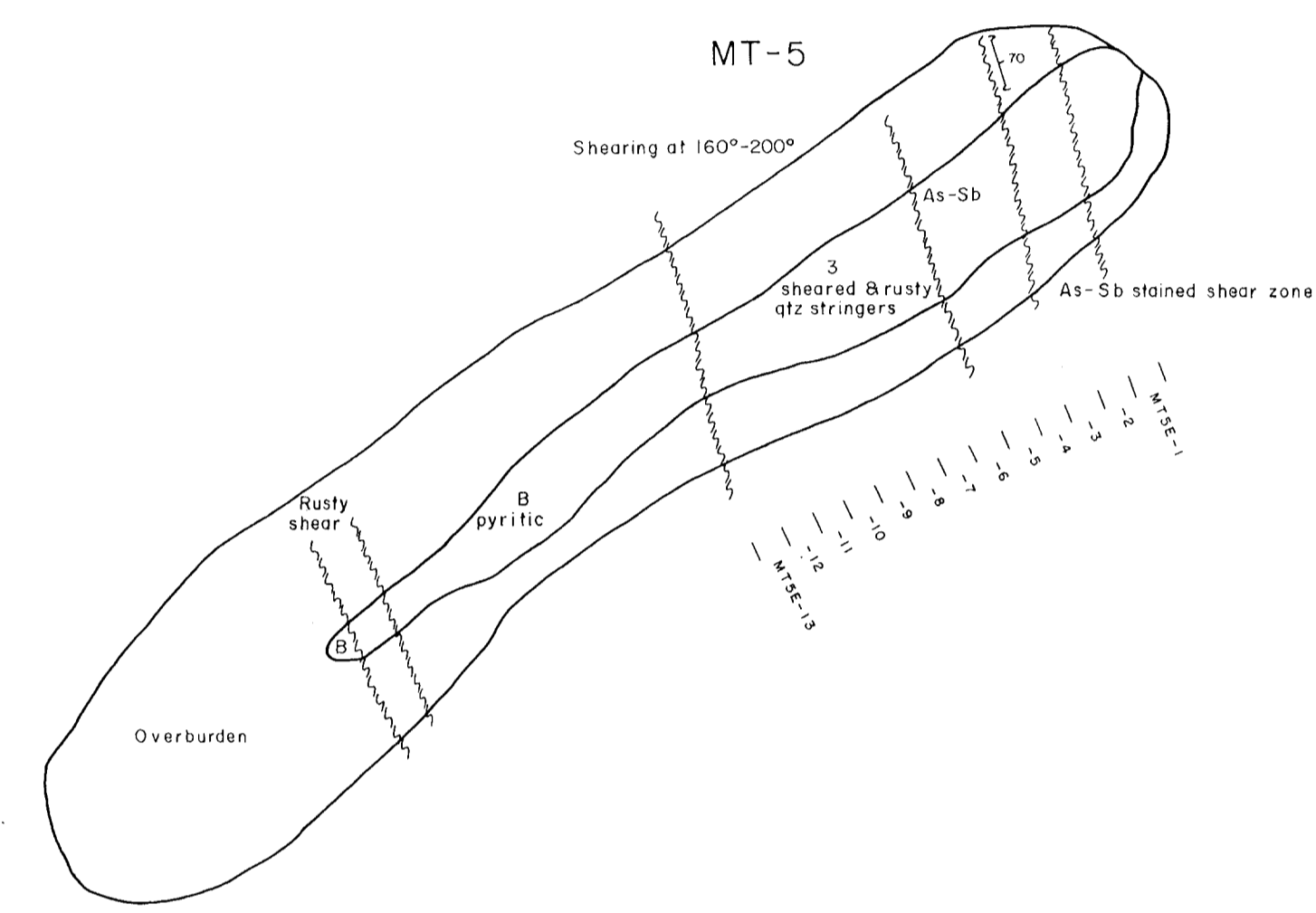
7+50N



- LEGEND:
- A FELDSPAR PORPHYRY DIORITE DYKE
 - B HORNBLENDE PORPHYRY DIORITE DYKE
 - C FELSITE (ALBITITE) DYKE
- MIDDLE TRIASSIC BRIDGE RIVER GROUP
- 1 CHERT
 - 2 ARGILLITE
 - 3 CHERTY ARGILLITE
 - 4 GREENSTONE
 - 5 DIORITE
 - 6 LIMESTONE
 - 7 SERPENTINIZED ROCK

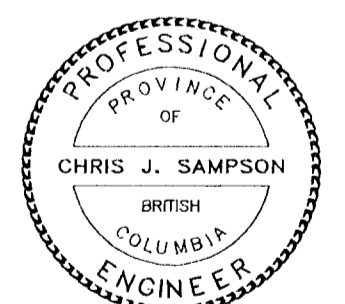
- ~~~~~ SHEAR
 - > ORIENTATION OF SHEAR
 - STRIKE, DIP
 - CONTACT, ASSUMED
 - SCHISTOSITY
- llst LISTWANITE ALTERATION
 - ank ANKERITE
 - hem HEMATITE
 - ep EPIDOTE
 - Sb STIBNITE
 - cgl CONGLOMERATE

SAMPLE # - Ag, As, Cu, Pb, Sb, Zn (p.p.m.); Au (oz./T)



GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,790

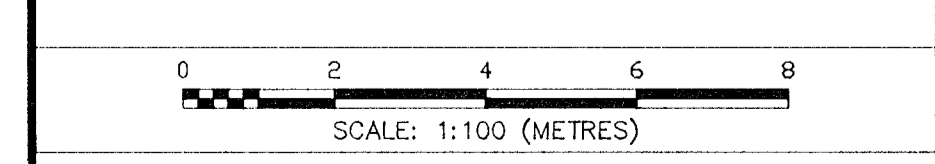


Chris J. Sampson

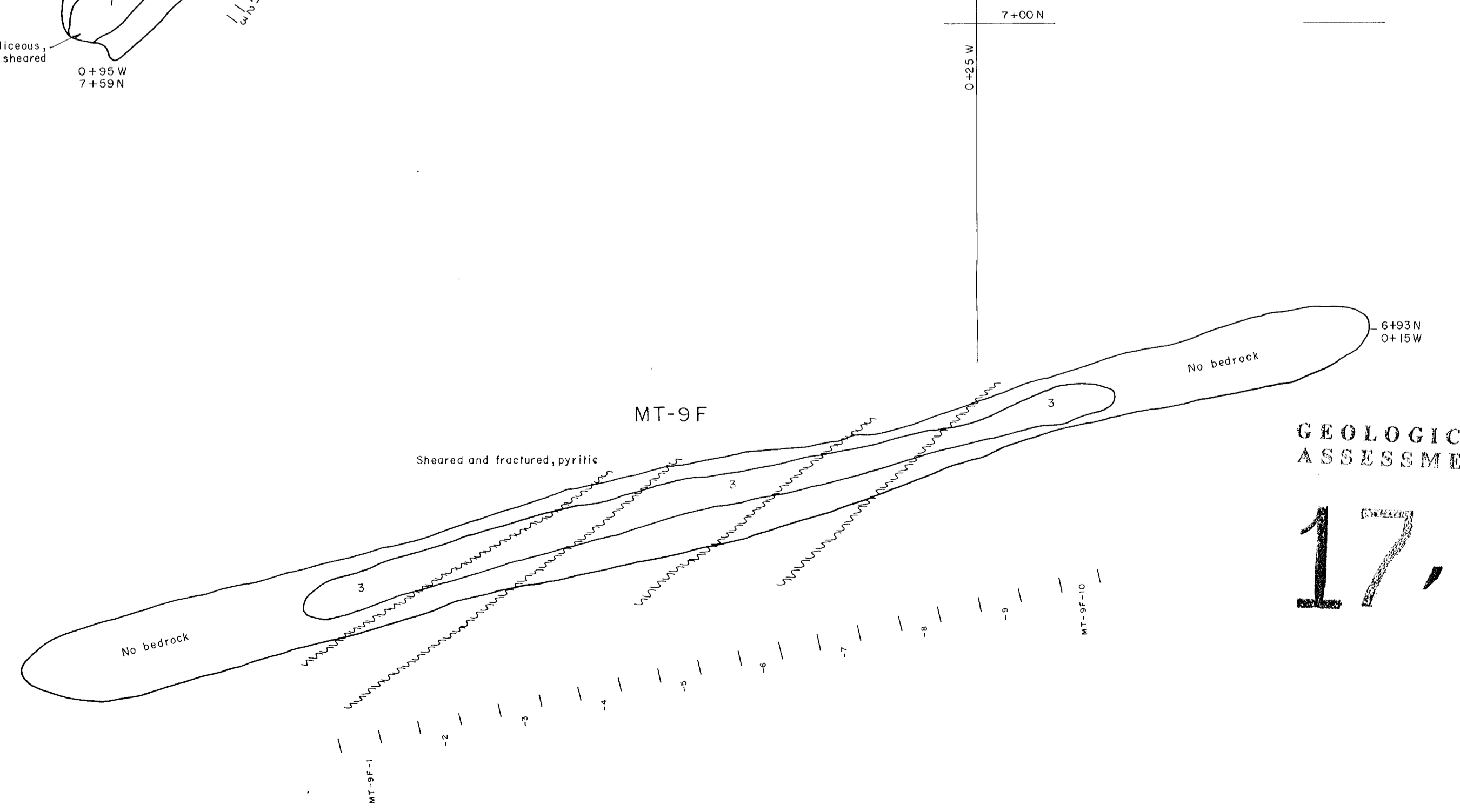
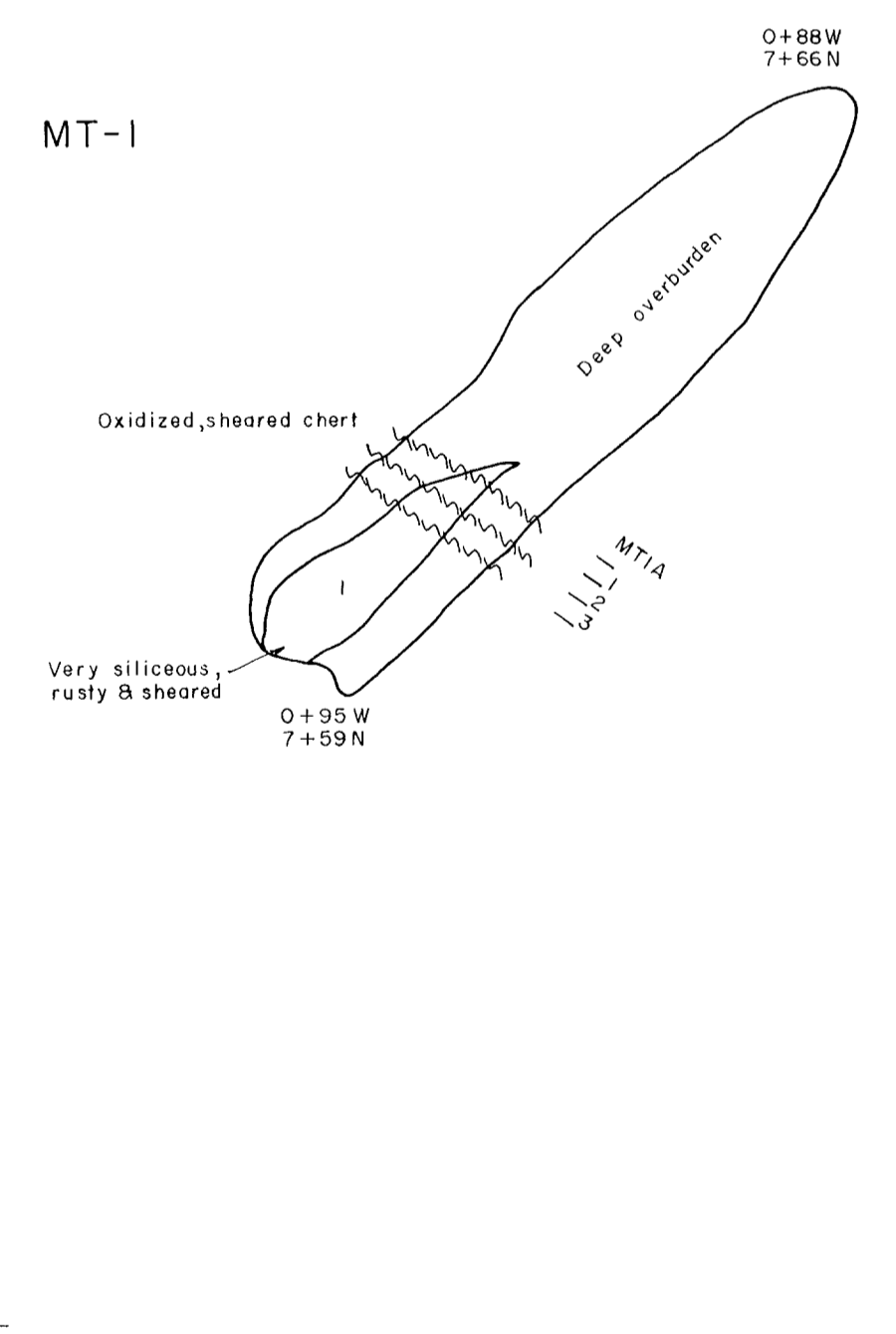
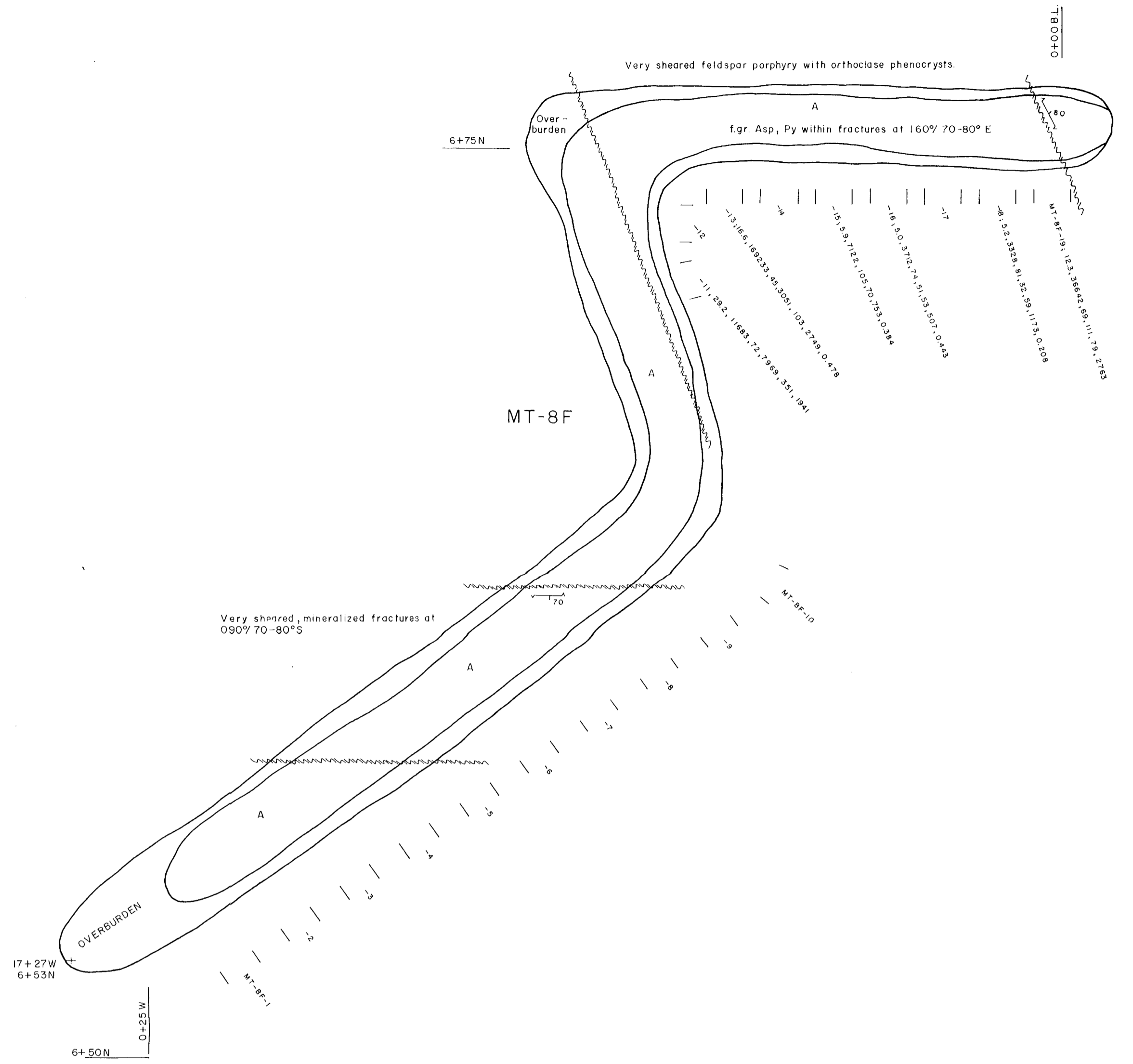
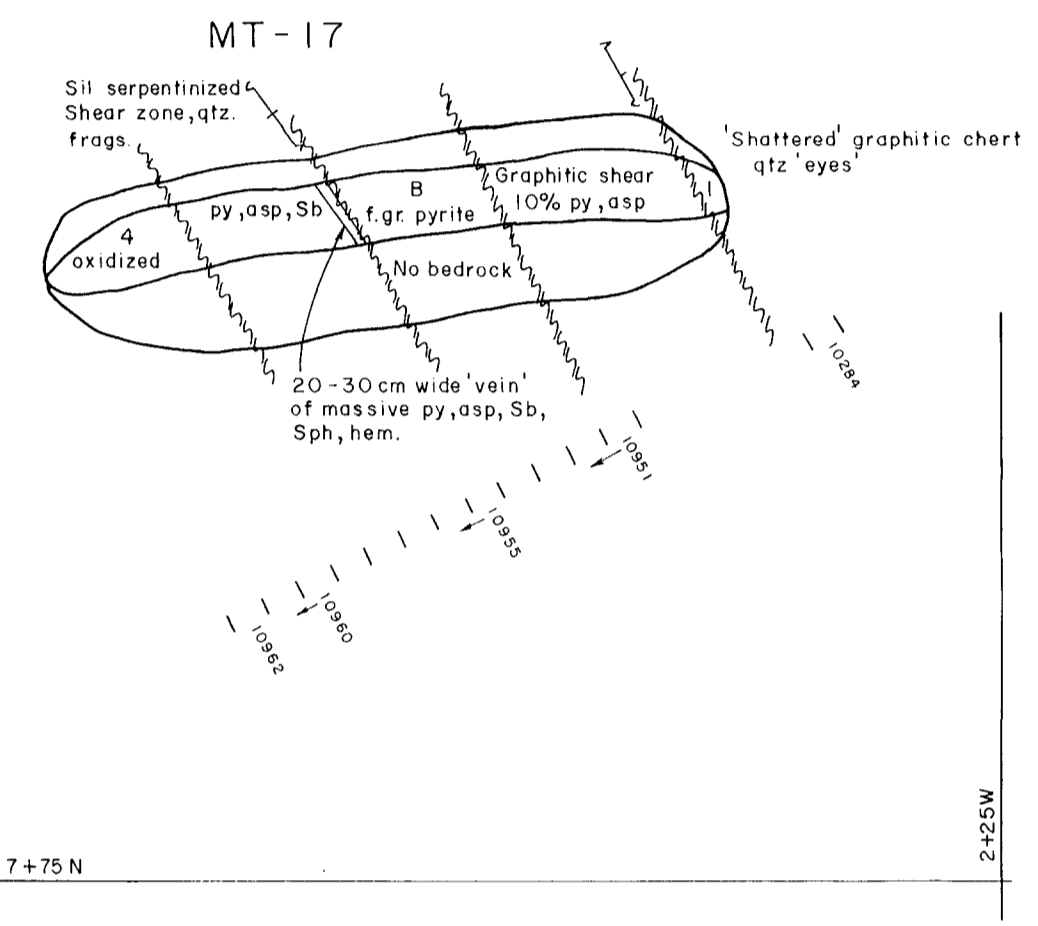
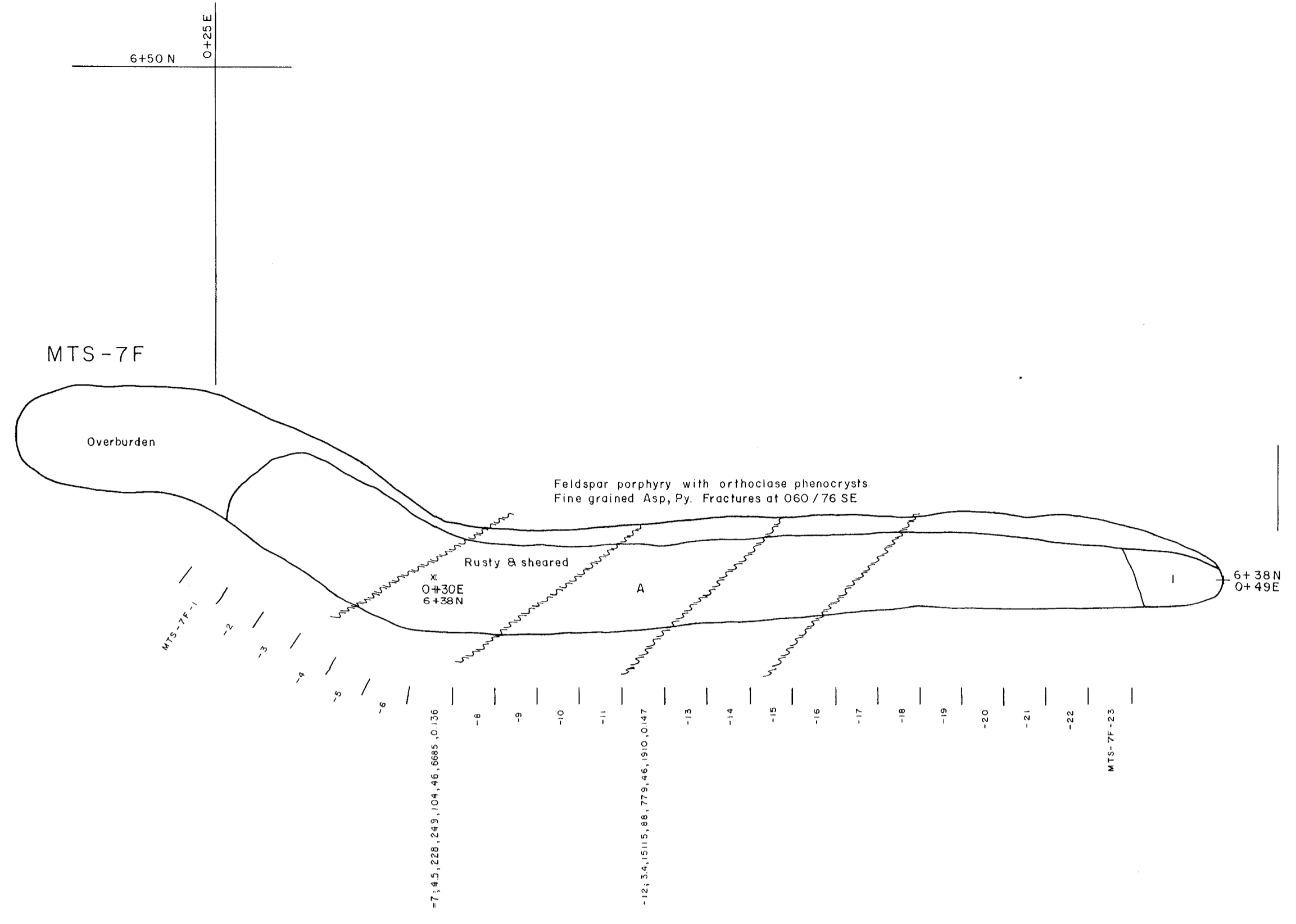
AVINO MINES AND RESOURCES LTD.

MINTO CLAIMS
LILLOOET MINING DIVISION, B.C. NTS: 92 J/15

TRENCH PLANS
(MINTO NORTH ZONE)



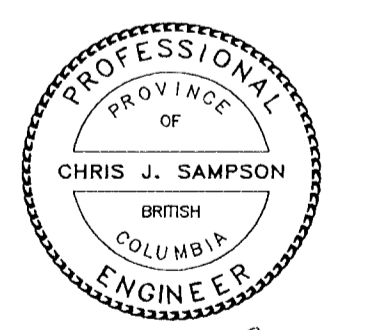
DATE: AUG., 1988
BY: C.J.S./rwr
FIGURE No. 7



- LEGEND:
- A FELDSPAR PORPHYRY DIORITE DYKE
 - B HORNBLENDE PORPHYRY DIORITE DYKE
 - C FELSITE (ALBITITE) DYKE
- MIDDLE TRIASSIC BRIDGE RIVER GROUP
- 1 CHERT
 - 2 ARGILLITE
 - 3 CHERTY ARGILLITE
 - 4 GREENSTONE
 - 5 DIORITE
 - 6 LIMESTONE
 - 7 SERPENTINIZED ROCK

- SHEAR
 - ORIENTATION OF SHEAR
 - STRIKE, DIP
 - CONTACT, ASSUMED
 - SCHISTOSITY
- list LISTWANITE ALTERATION
 - ank ANKERITE
 - hem HEMATITE
 - ep EPIDOTE
 - Sb STIBNITE
 - cgl CONGLOMERATE

SAMPLE # - Ag, As, Cu, Pb, Zn (p.p.m.); Au (oz./T)



Chris J. Sampson

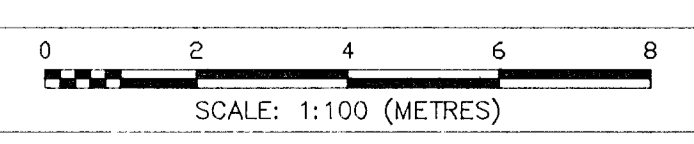
GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,790

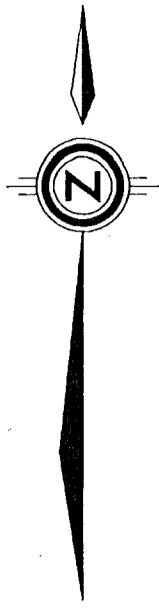
AVINO MINES AND RESOURCES LTD.

MINTO CLAIMS
LILLOOET MINING DIVISION, B.C. NTS: 92 J/15

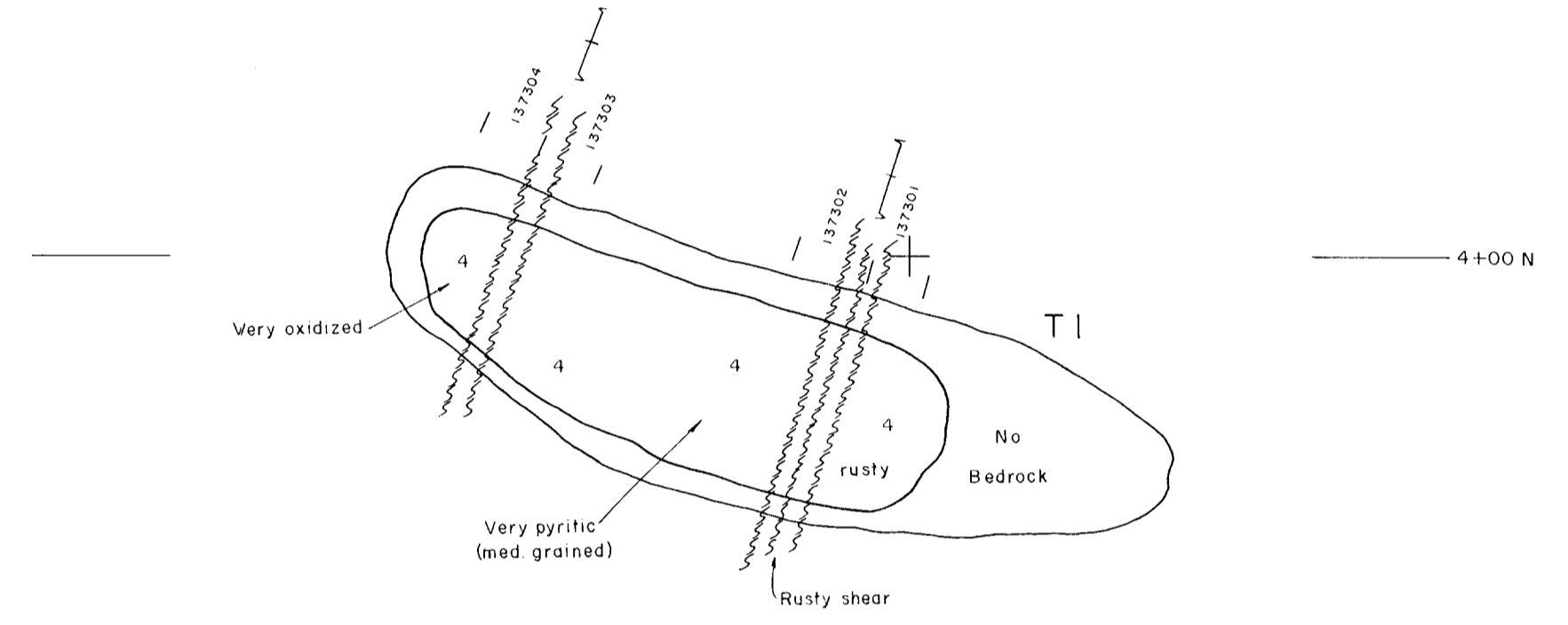
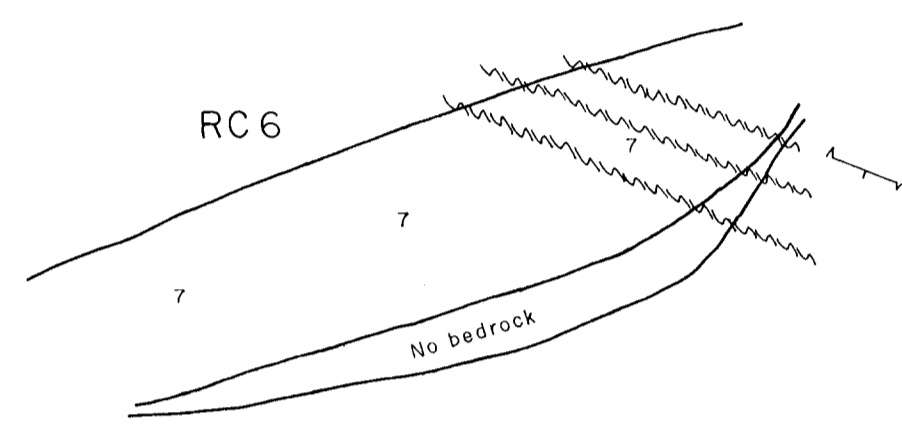
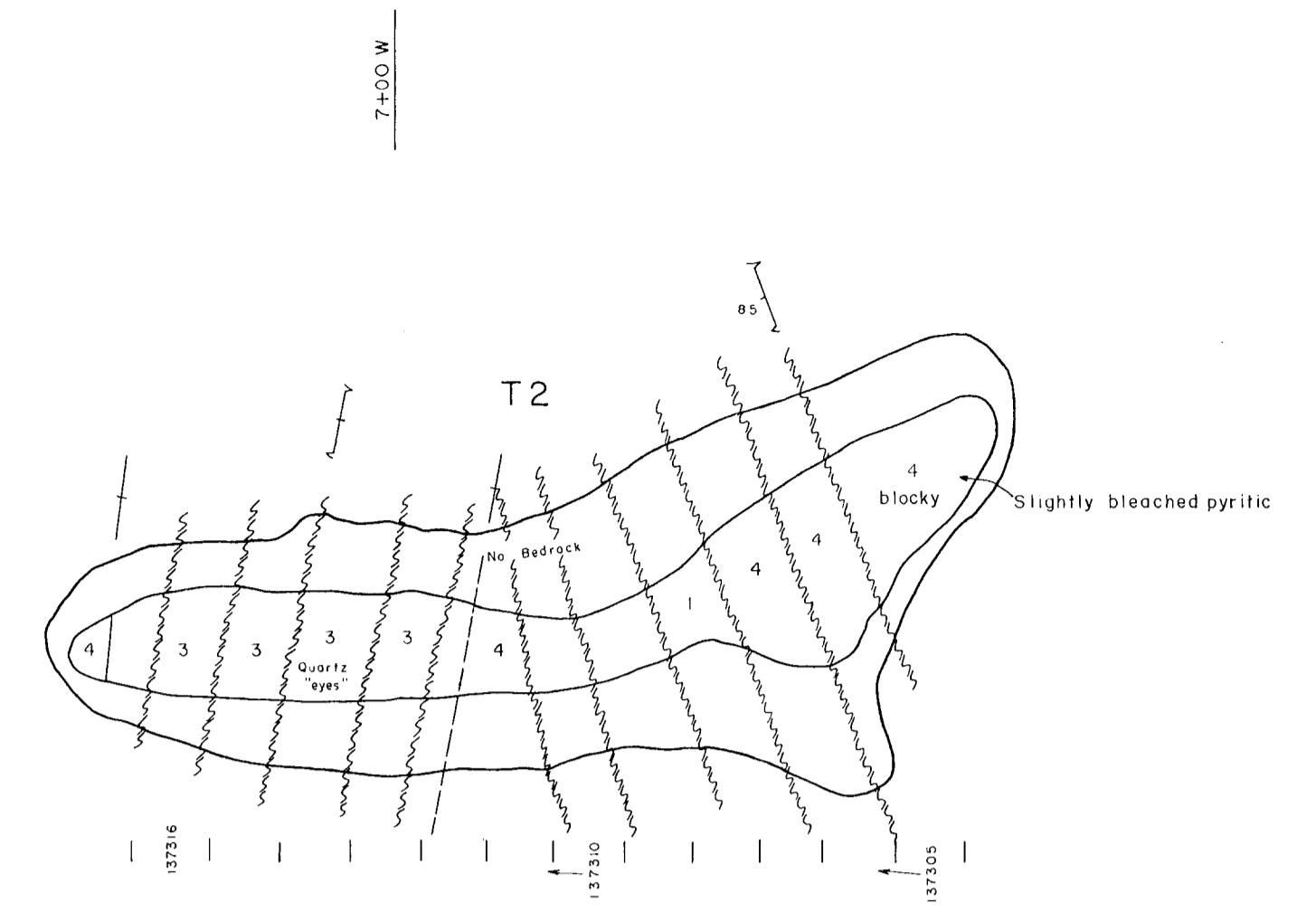
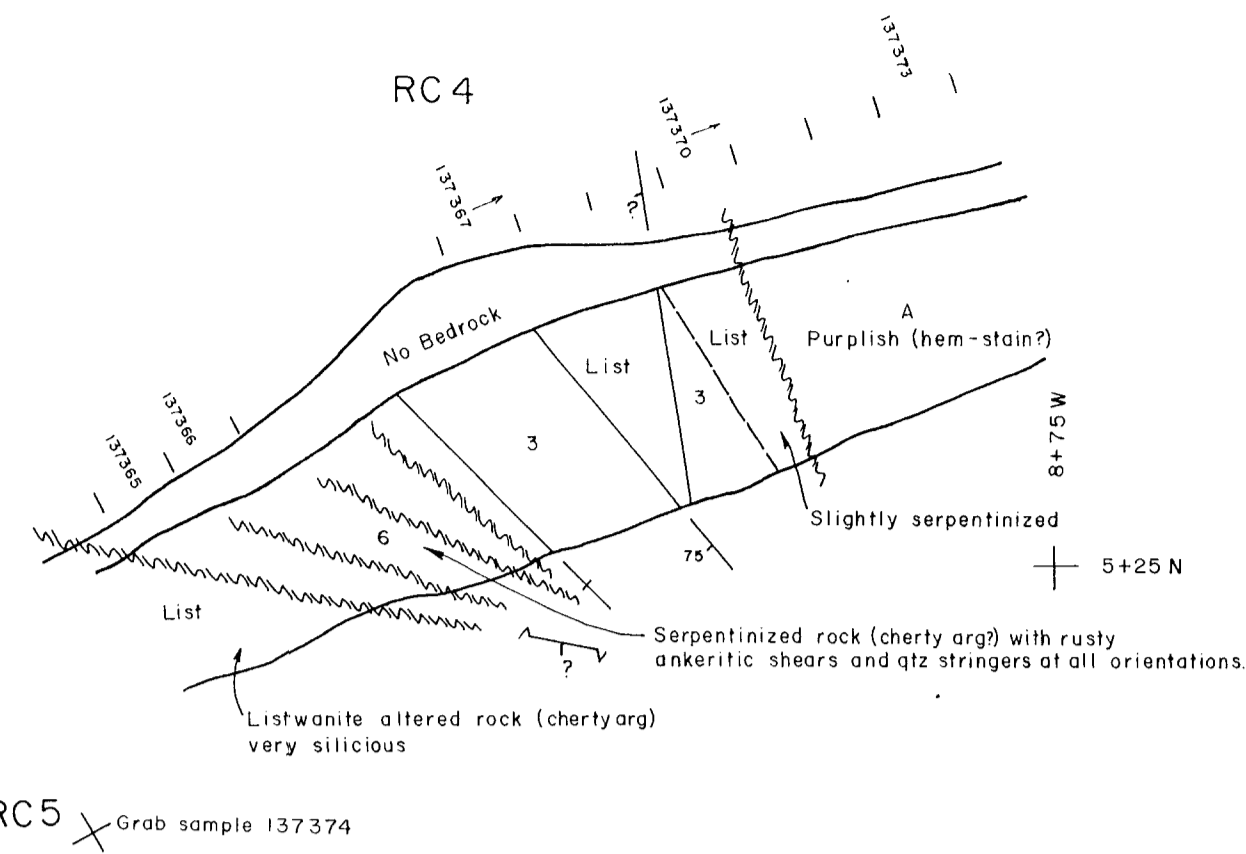
TRENCH PLANS
(MINTO NORTH ZONE)



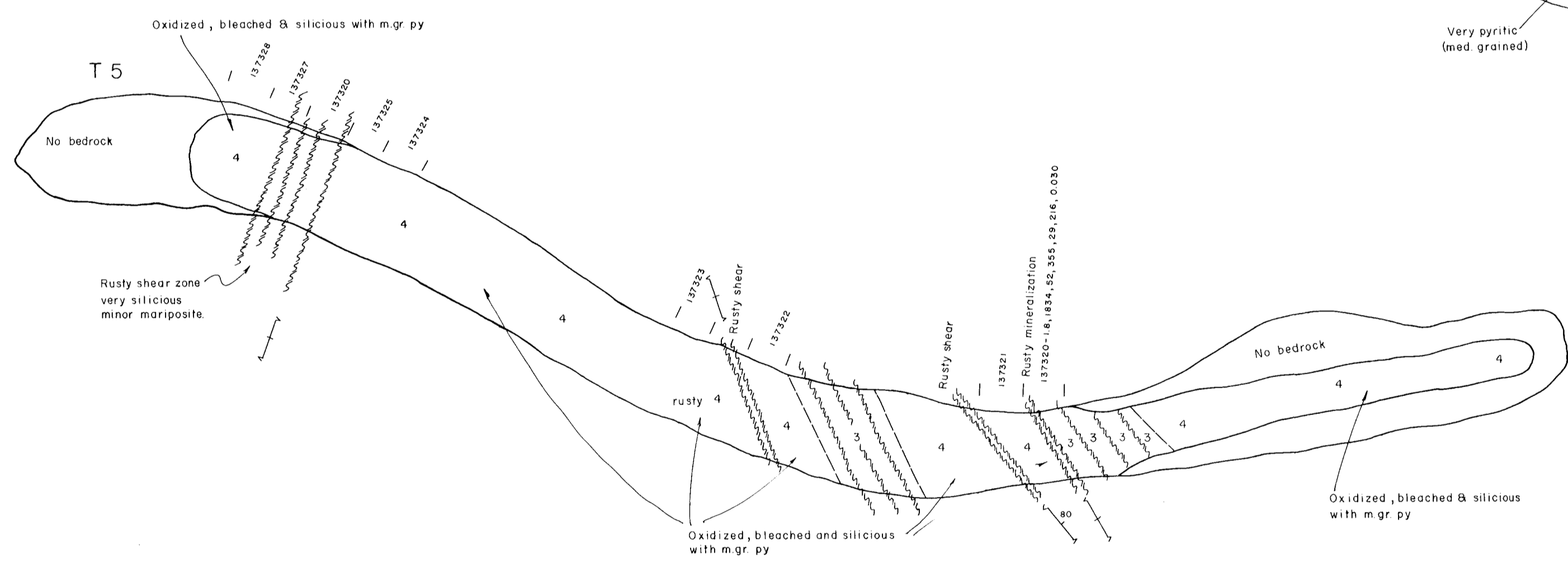
DATE: AUG., 1988
BY: C.J.S./rwr
FIGURE No. 8



5+25 N
9+00 W



5+00 N
9+00 W

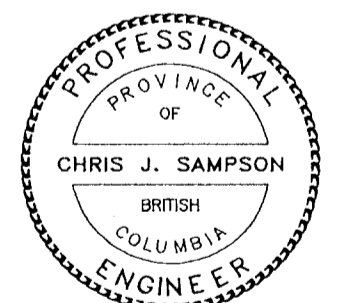


7+00 W

- LEGEND:
- A FELDSPAR PORPHYRY DIORITE DYKE
 - B HORNBLENDE PORPHYRY DIORITE DYKE
 - C FELSITE (ALBITITE) DYKE
- MIDDLE TRIASSIC BRIDGE RIVER GROUP
- 1 CHERT
 - 2 ARGILLITE
 - 3 CHERTY ARGILLITE
 - 4 GREENSTONE
 - 5 DIORITE
 - 6 LIMESTONE
 - 7 SERPENTINIZED ROCK

- ~~~~~ SHEAR
 - > ORIENTATION OF SHEAR
 - STRIKE, DIP
 - CONTACT, ASSUMED
 - SCHISTOSITY
- llst LISTWANITE ALTERATION
 - ank ANKERITE
 - hem HEMATITE
 - ep EPIDOTE
 - Sb STIBNITE
 - cgl CONGLOMERATE

SAMPLE # - Ag, As, Cu, Pb, Sb, Zn (p.p.m.); Au (oz./T)



Chris J. Sampson

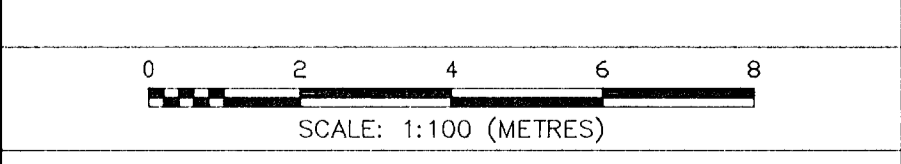
GEOLOGICAL BRANCH
ASSESSMENT REPORT

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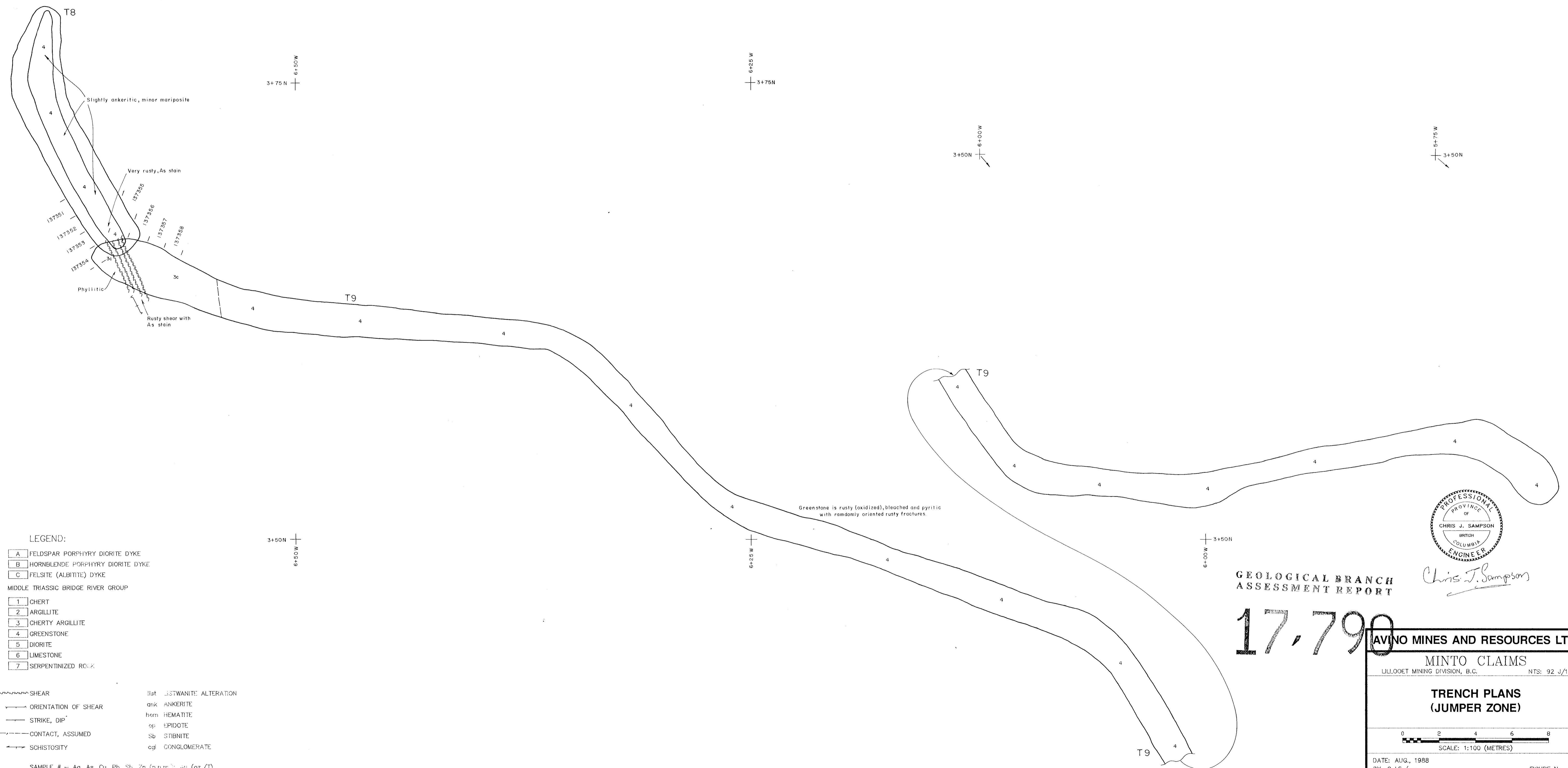
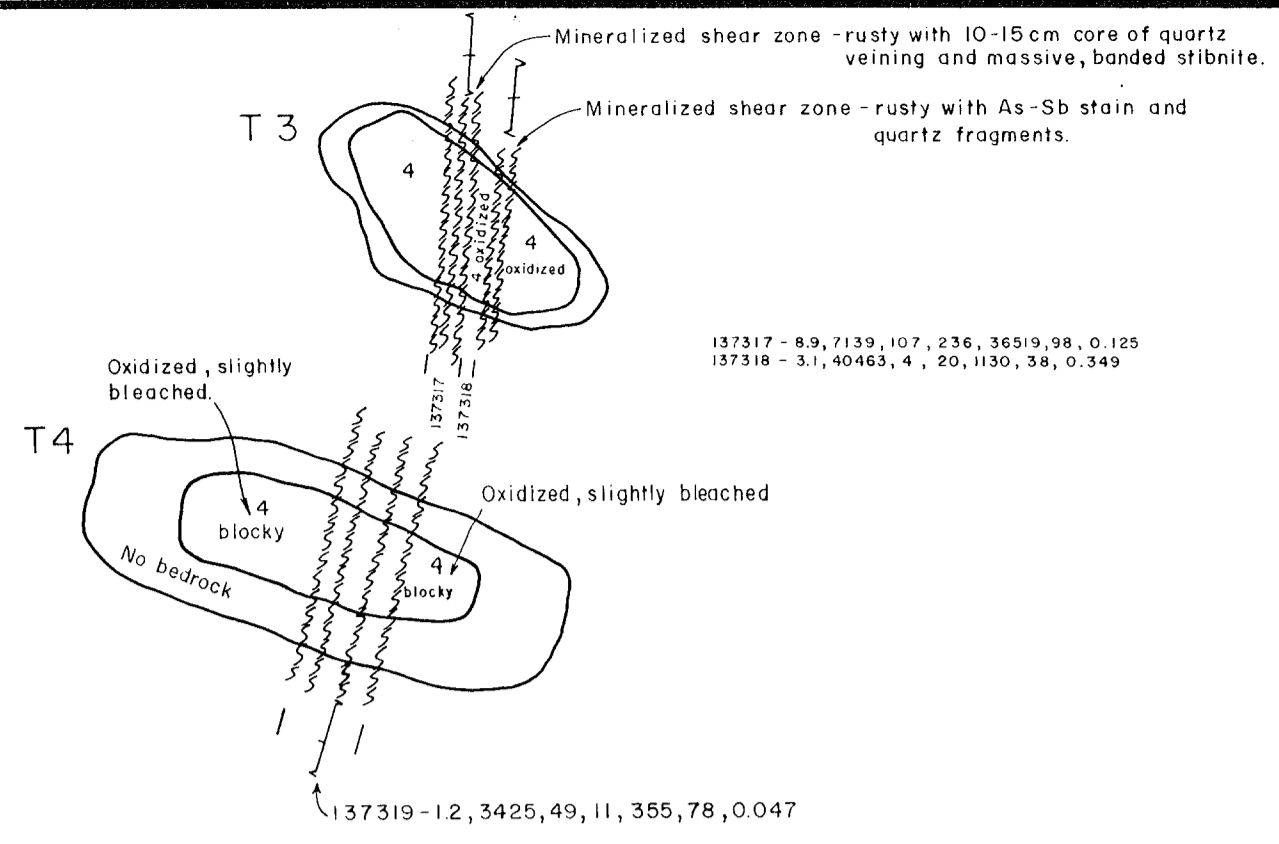
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MINTO CLAIMS
LILLOOET MINING DIVISION, B.C. NTS: 92 J/15

TRENCH PLANS
(JUMPER ZONE)



DATE: AUG., 1988
BY: C.J.S./rwr
FIGURE No. 9



- LEGEND:
- A FELDSPAR PORPHYRY DIORITE DYKE
 - B HORNBLENDE PORPHYRY DIORITE DYKE
 - C FELSITE (ALBITITE) DYKE
- MIDDLE TRIASSIC BRIDGE RIVER GROUP
- 1 CHERT
 - 2 ARGILLITE
 - 3 CHERTY ARGILLITE
 - 4 GREENSTONE
 - 5 DIORITE
 - 6 LIMESTONE
 - 7 SERPENTINIZED ROCK

- SHEAR
 - ORIENTATION OF SHEAR
 - STRIKE, DIP
 - CONTACT, ASSUMED
 - SCHISTOSITY
- alk ANKERITE ALTERATION
 - ank ANKERITE
 - hem HEMATITE
 - ep EPIDOTE
 - Sb STIBNITE
 - cgf CONGLOMERATE

SAMPLE # -- Ag, As, Cu, Pb, Sb, Zn (p.p.m.); Au (oz./T)



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GEOLOGICAL BRANCH
ASSESSMENT REPORT

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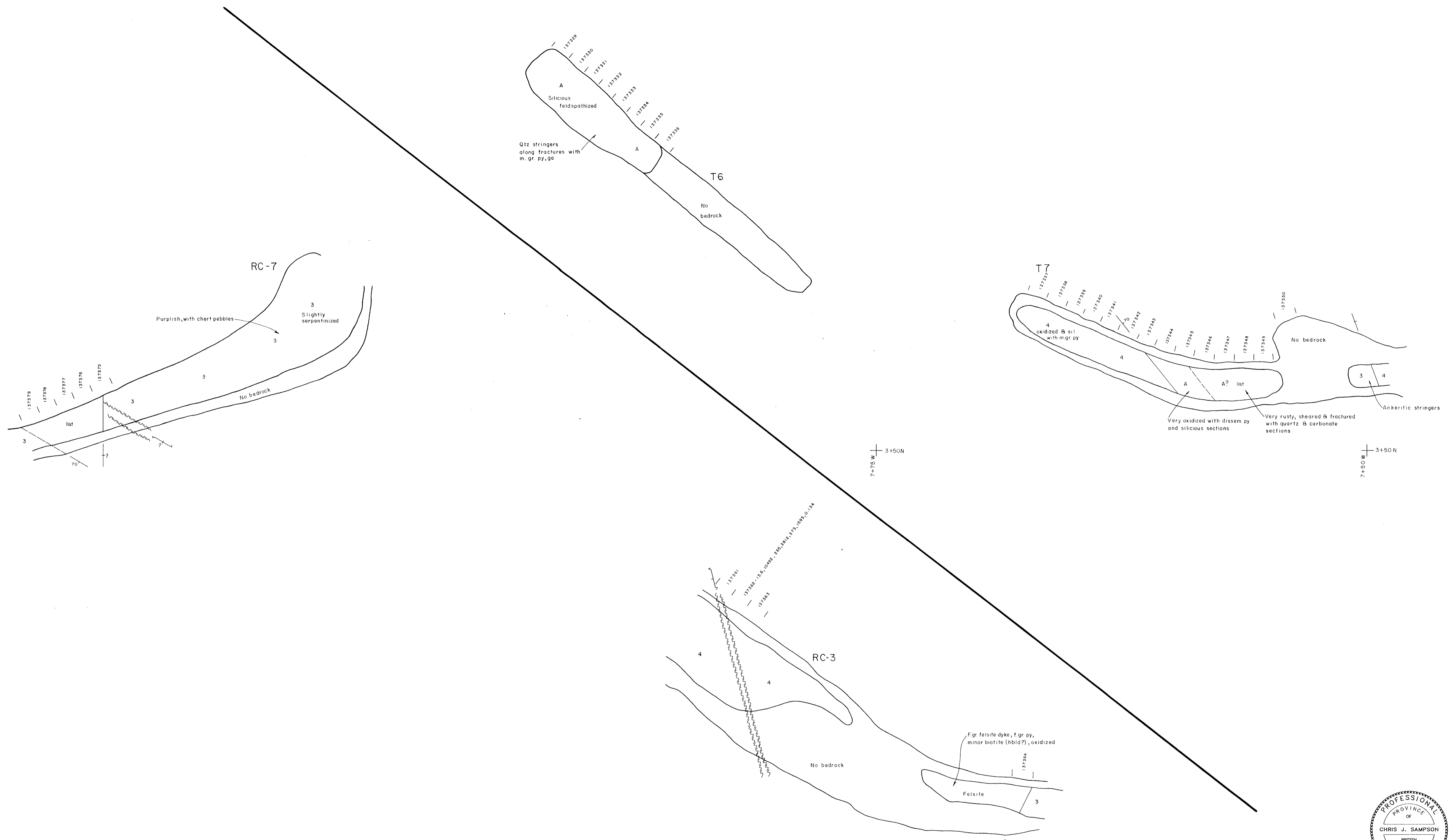
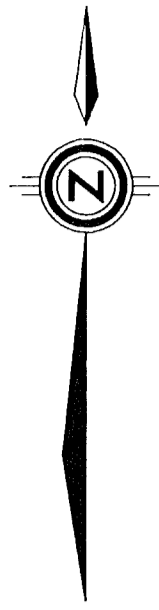
MINTO CLAIMS
LILLOOET MINING DIVISION, B.C. NTS: 92 J/15

TRENCH PLANS
(JUMPER ZONE)

0 2 4 6 8
SCALE: 1:100 (METRES)

DATE: AUG., 1988
BY: C.J.S./rwr

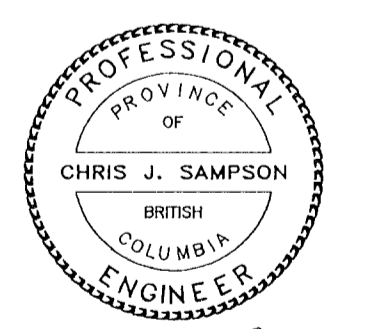
FIGURE No. 10



- LEGEND:
- A FELDSPAR PORPHYRY DIORITE DYKE
 - B HORNBLENDE PORPHYRY DIORITE DYKE
 - C FELSITE (ALBITITE) DYKE
- MIDDLE TRIASSIC BRIDGE RIVER GROUP
- 1 CHERT
 - 2 ARGILLITE
 - 3 CHERTY ARGILLITE
 - 4 GREENSTONE
 - 5 DIORITE
 - 6 LIMESTONE
 - 7 SERPENTINIZED ROCK

- ~~~~~ SHEAR
- > ORIENTATION OF SHEAR
- STRIKE, DIP
- CONTACT, ASSUMED
- SCHISTOSITY
- list LISTWANITE ALTERATION
- ank ANKERITE
- hem HEMATITE
- ep EPIDOTE
- Sb STIBNITE
- cojl CONGLOMERATE

SAMPLE # - Ag, As, Cu, Pb, St, Zn (p.p.m.); Au (oz./T)



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17,790

GEOLOGICAL BRANCH
ASSESSMENT REPORT

AVINO MINES AND RESOURCES LTD.

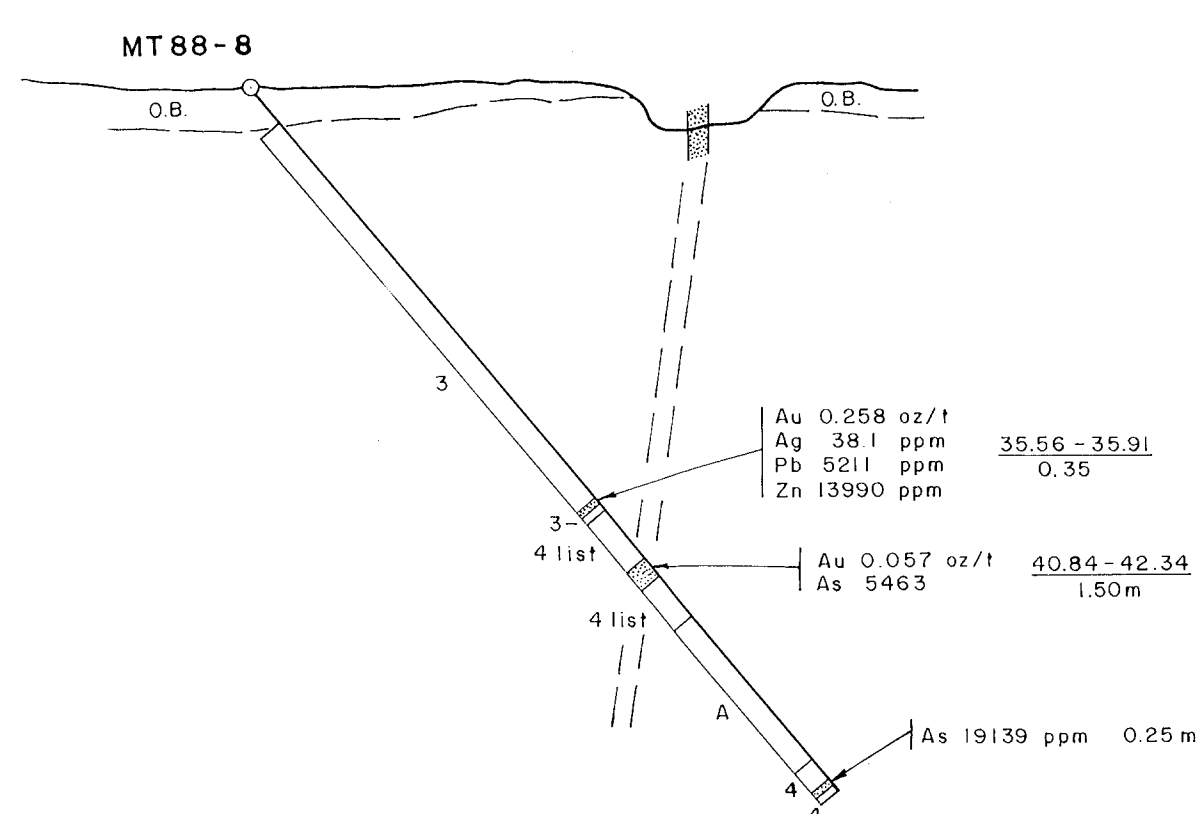
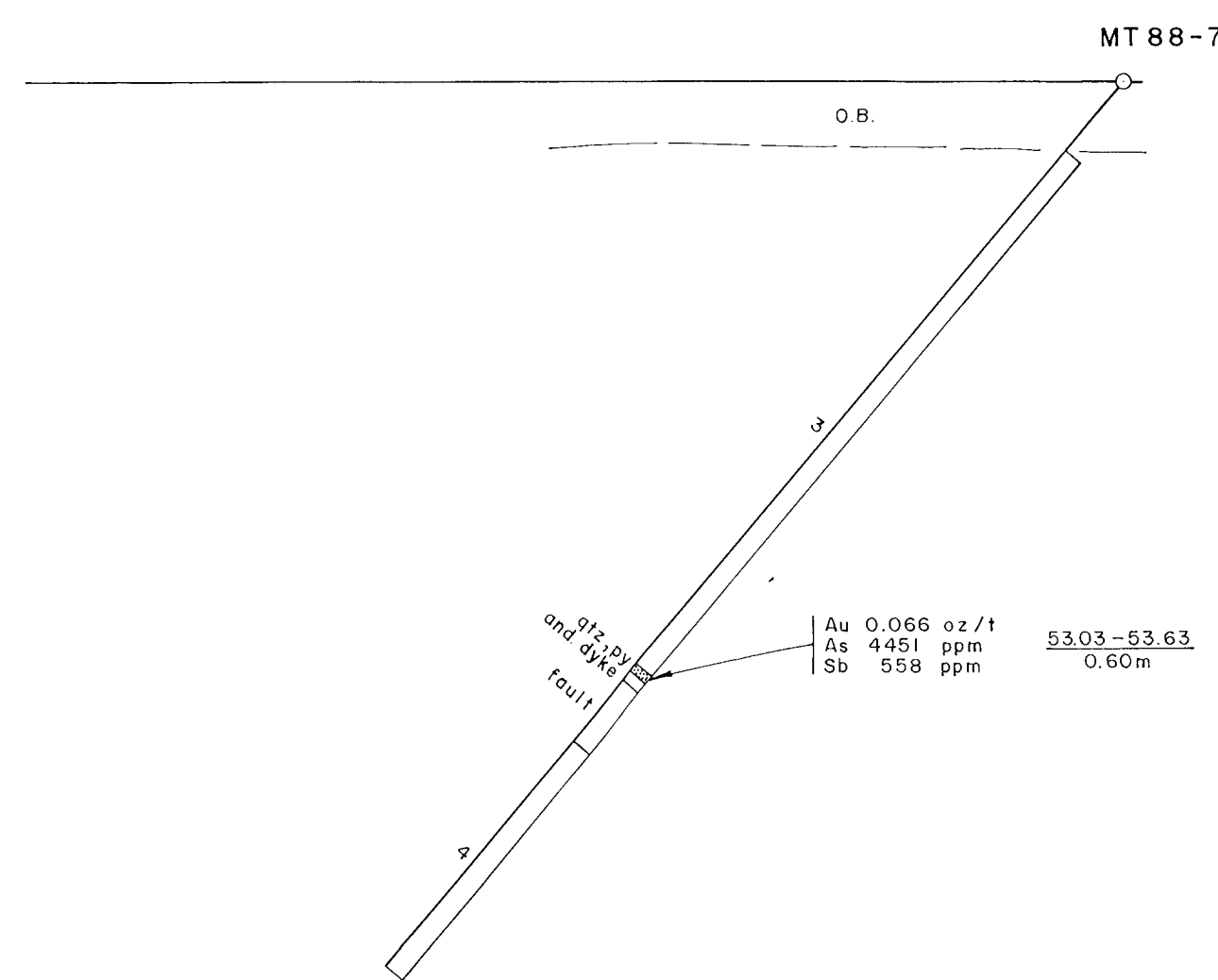
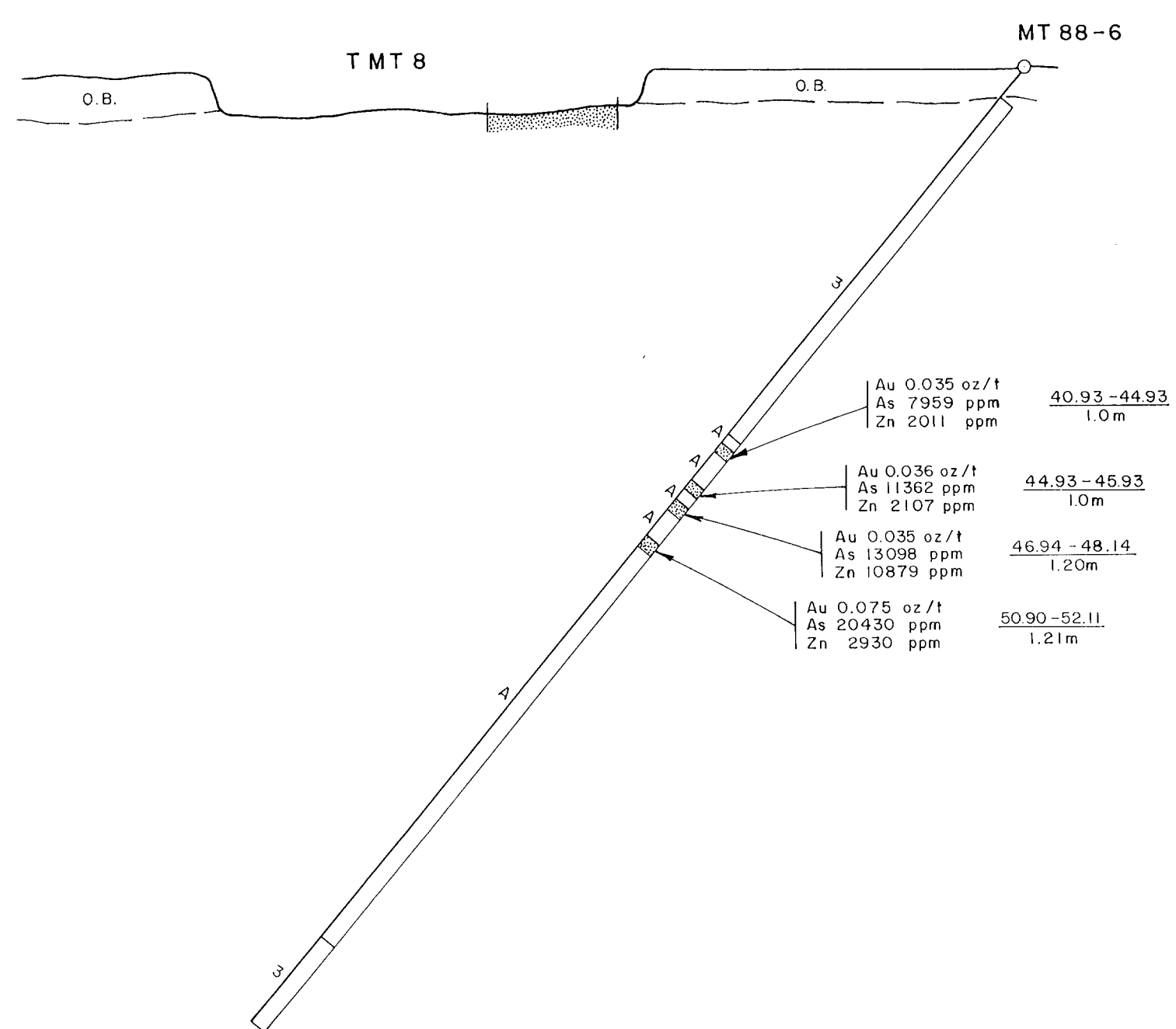
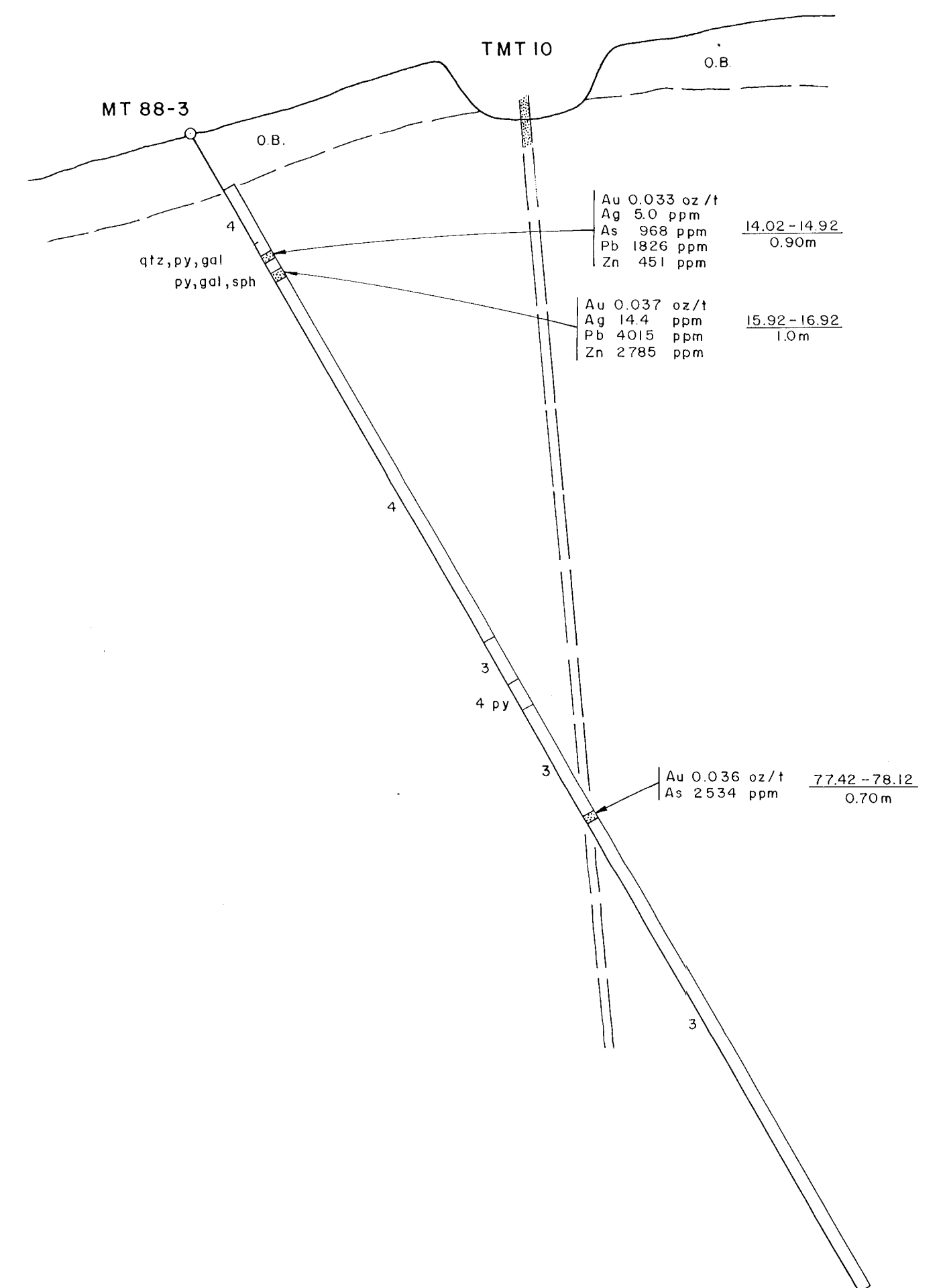
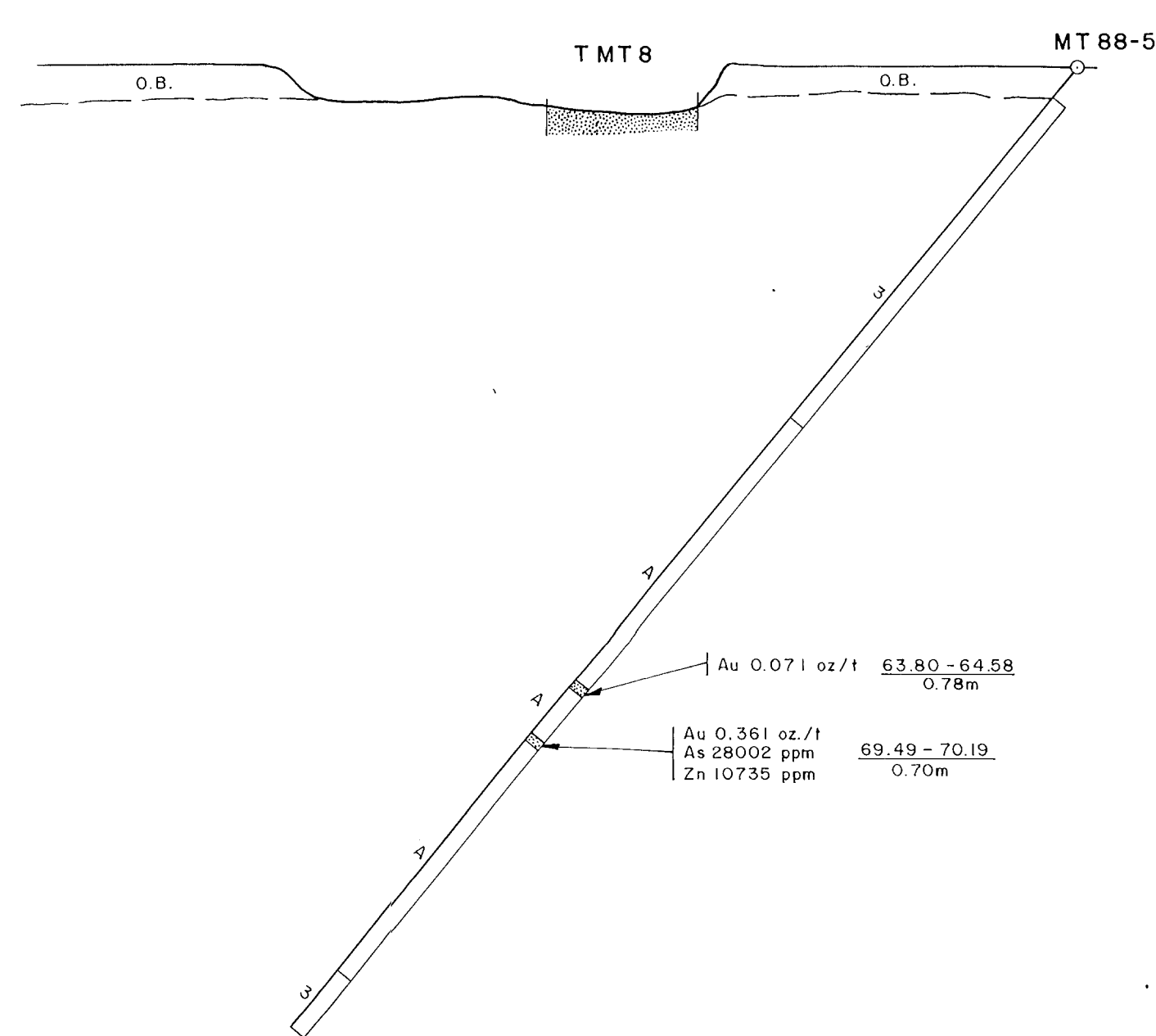
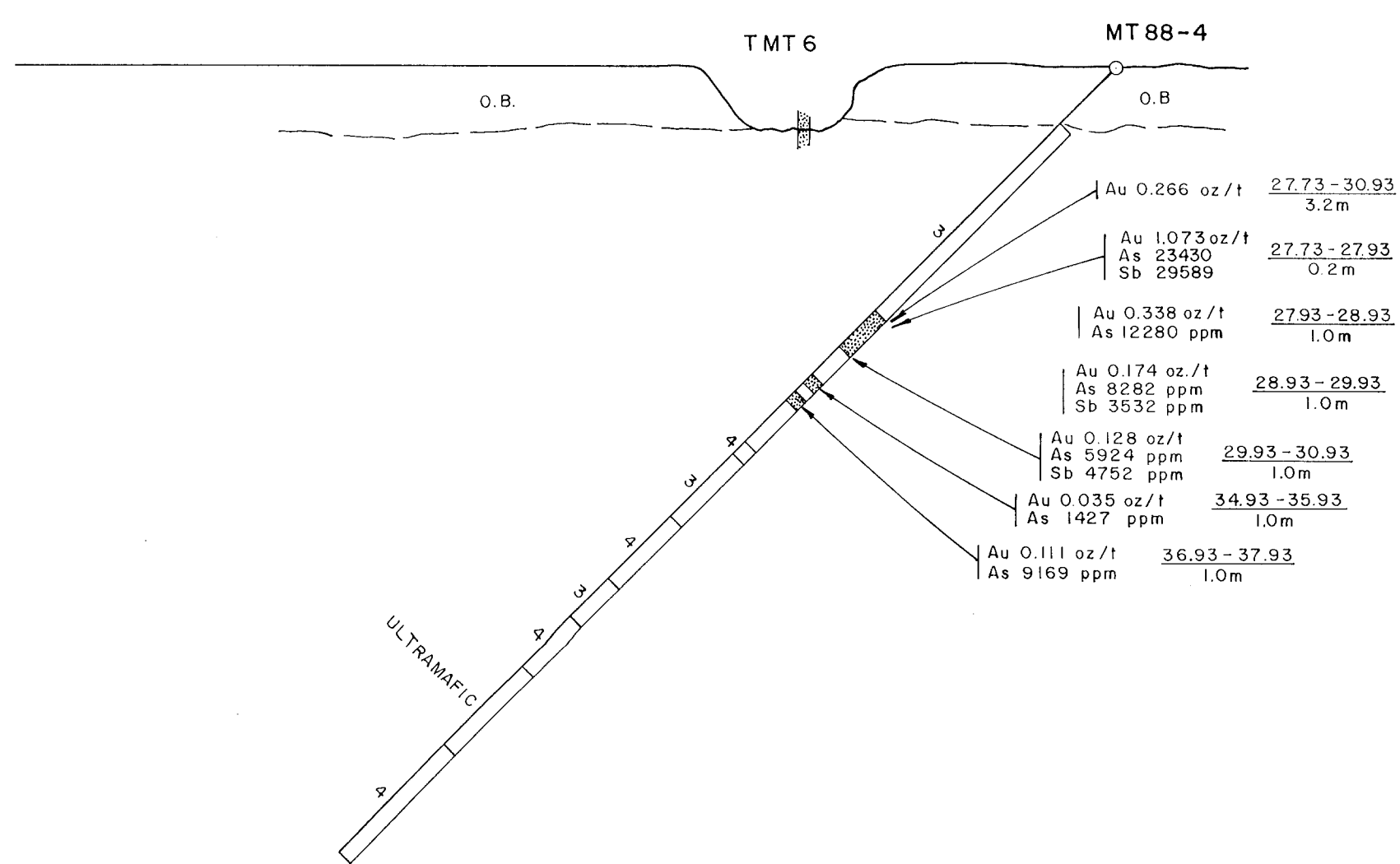
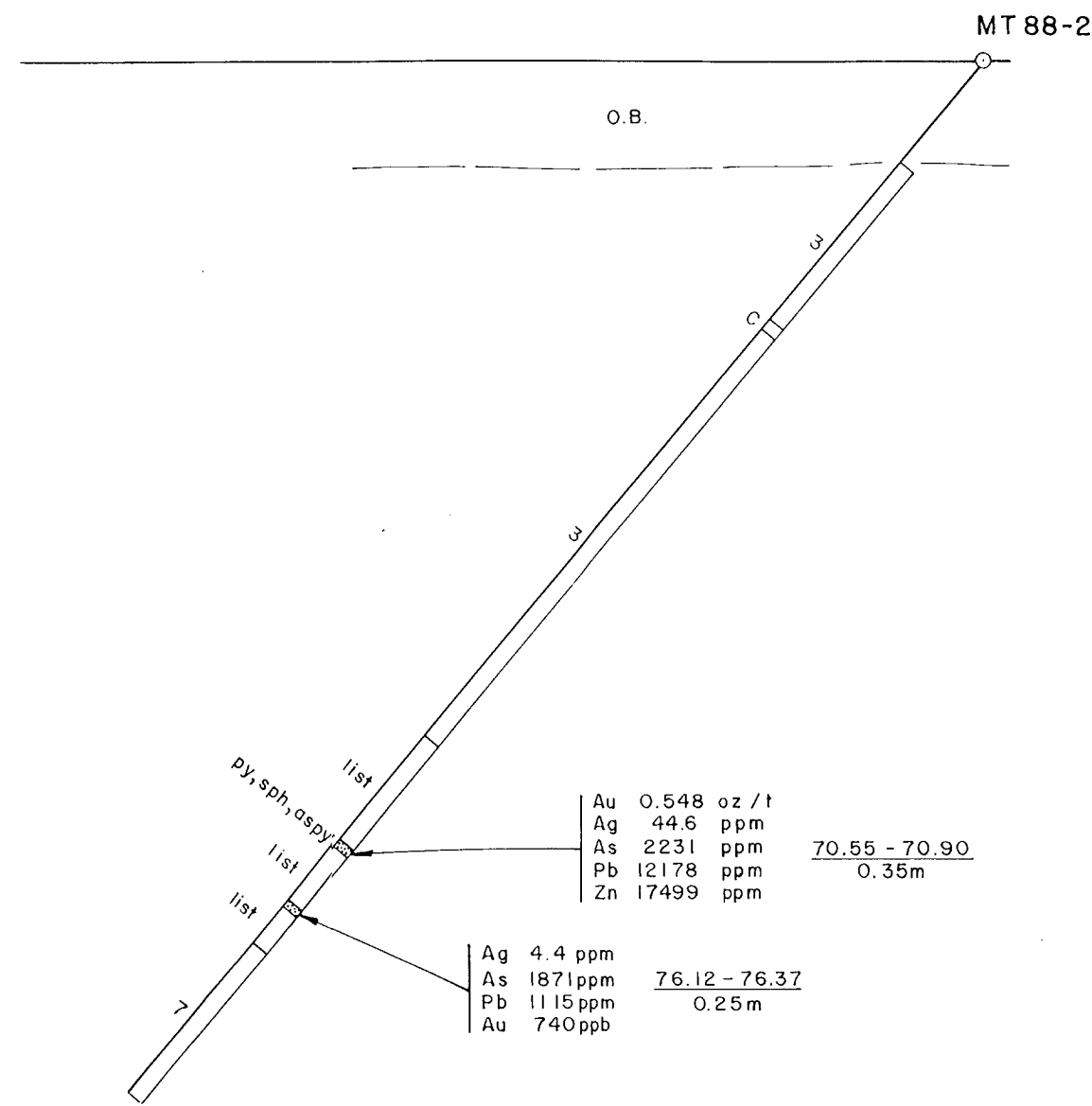
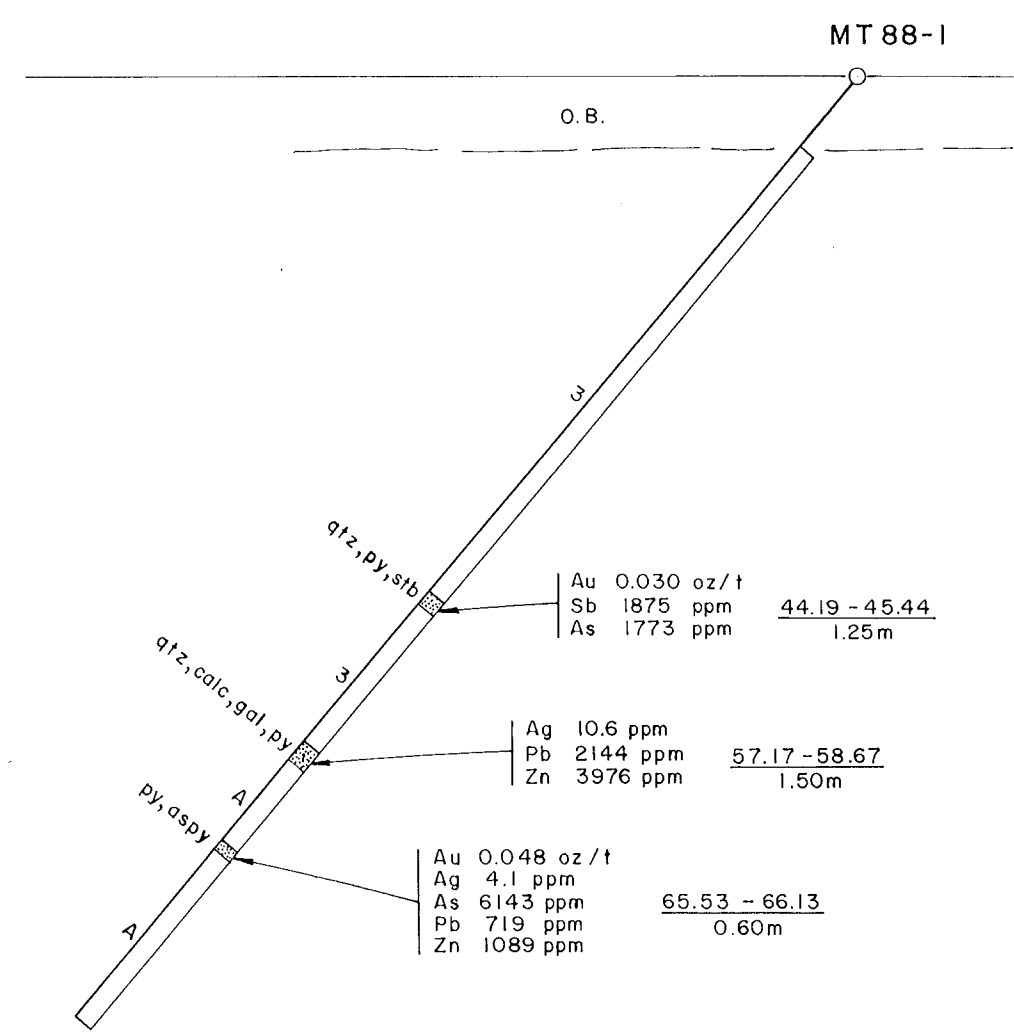
MINTO CLAIMS
LILLOOET MINING DIVISION, B.C. NTS: 92 J/15

**TRENCH PLANS
(JUMPER ZONE)**

SCALE: 1:100 (METRES)

DATE: AUG., 1988
BY: C.J.S./rwr

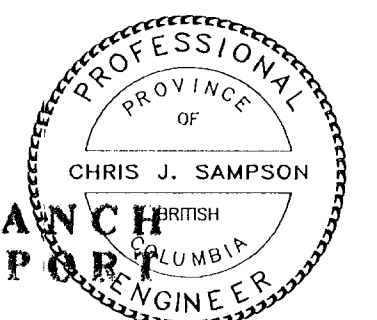
FIGURE No. 11



LEGEND:

- A FELDSPAR PORPHYRY DIORITE DYKE
- B HORNBLende PORPHYRY DIORITE DYKE
- C FELSITE ALBITITE DYKE
- MIDDLE TRIASSIC BRIDGE RIVER GROUP
- 1 CHERT
- 2 ARGILLITE
- 3 CHERTY-ARGILLITE
- 4 GREENSTONE
- 5 DIORITE
- 6 LIMESTONE
- 7 SERPENTINIZED ROCK

- py PYRITE
- gal GALENA
- qtz QUARTZ
- stb STIBNITE
- aspy ARSENOPYRITE
- sph SPHALERITE
- calc CALCITE
- lst LISTWANITE
- MINERALIZATION



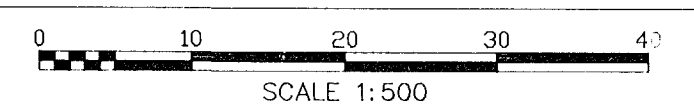
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AVINO MINES AND RESOURCES LTD.

MINTO CLAIMS
LILLOOET MINING DIVISION, B.C. NTS: 92 J/15

DRILL HOLE CROSS SECTIONS
(MINTO NORTH ZONE)



DATE: Aug, 1988
BY: C.J.S./rwr

FIGURE No. 12