

94G/4W, 5W

TRI 4-32, 41-52

5407-B

94G/4W & 5W

Report on Geochemical and Exploratory Surveys

TRI Claims

Redfern Lake Area, B.C.

Liard Mining Division

Aquitaine Company of Canada Ltd.

Department of	
Mines and Petroleum Resources	
ASSESSMENT REPORT	
NO. 5407	MAP

H. Salat
Calgary, Alberta
March, 1975

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INTRODUCTION

1. General

The TRI claims formed a group of 110 adjoining claims which are entirely and solely owned by Aquitaine Company of Canada Ltd. (cf. Fig. 1). These claims were staked in the fall of 1972 and the first part of 1973; subsequently, exploration and geological mapping were carried out during the summer immediately following. This work was recorded in a report previously submitted to the Department of Mines and Petroleum Resources and written by the present author.

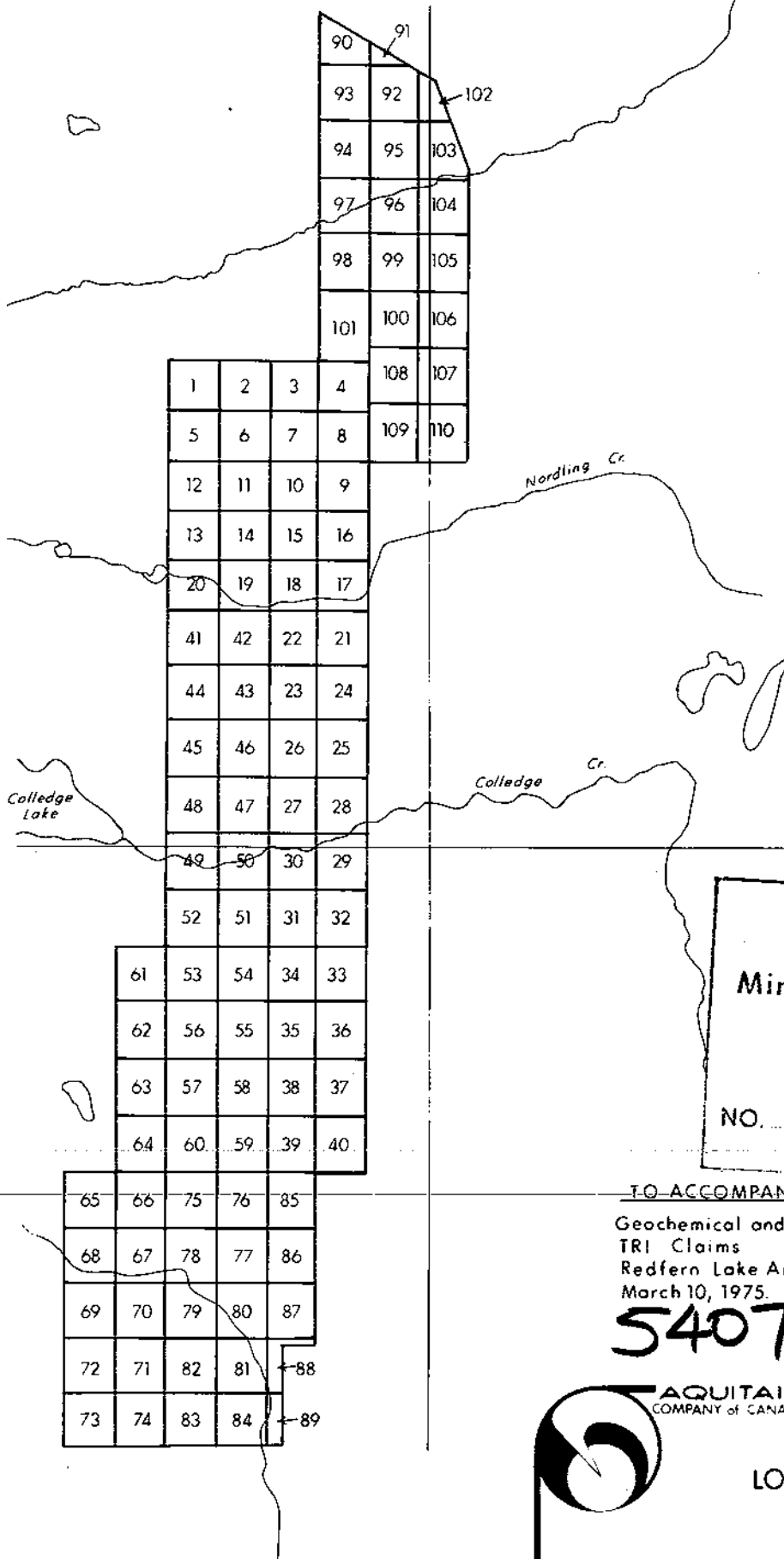
Results from the preceding work season gave enough encouragement to implement more exploratory work during the 1974 field season and also large tracts of ground warranted additional and more thorough investigation.

2. Geography and Access

The TRI claims are located 140 miles (225 km) northwest of Fort St. John and 45 miles due west of Mile 162 on the Alaska Highway. They form an elongated block of claims whose northernmost tip is one mile south of Redfern Lake. The area is covered by topographic maps 94G/4W and 5W (scale 1:50,000).

The topography over the property consists of a series of east-west trending ridges separated by deep, flat-bottomed valleys and flanked to the east by gently sloping plateaus. Vegetation is for all practical purposes

123°50'



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5407 MAP 1

TO ACCOMPANY REPORT
Geochemical and Exploratory Surveys
TRI Claims
Redfern Lake Area B.C.
March 10, 1975. H. Salat

5407 MAP 1
Fig. 1

AQUITAINE
COMPANY of CANADA Ltd.

LOCATION MAP
TRI CLAIMS

DATE March 1975	SCALE 1:50,000
Prep. by H. Salat	FILE

non existent, with the exception of rare stunted alders and willows in sheltered gulches.

The mean elevation is approximately 5,500 feet (1,650 m) above sea level and snow packed along ledges remains until late in the summer, even in the lower elevations. Full scale geochemical work cannot be initiated before July.

Access to this area is very difficult and helicopter is the only convenient means of transportation. Otherwise, Redfern Lake to the north could be reached by a float-equipped plane and there one would have to travel by foot or by horse. A trail running north-south passes two miles east of the TRI claims boundary and is much used by local hunting outfitters from whom horses can easily be obtained.

3. History

As mentioned above, exploratory work was carried out in the summer of 1973, right after these claims were staked. It consisted of geological mapping, some large-scale prospecting and silt sampling along streams, creeks and smaller tributaries and narrow gulches in which water was flowing. The results of this work were compiled in the preceding report sent to the Department of Mines and Petroleum Resources for assessment work.

In the light of these results and with respect to the new Mineral Act of the Province of British Columbia which entails the obligation of higher spending per claim, a rigorous selection was made and only

the more promising areas were investigated. For these reasons and with the help of the revised geology, it was decided that 20 claims to the south did not warrant further exploration: claims TRI 67 to 74, TRI 77 to 84, and TRI 86 to 89.

Prior to the Company's work in that particular area, no work had ever been reported and searching of preceding Mining Recorder's maps had failed to show any previous staking. However, near one of the lead-zinc occurrences found last year on the north side of Colledge Creek, old claim posts were found but any information had been eradicated by time.

IMPLEMENTATION OF THE 1974 FIELD SEASON

1. Programme

From the previous exploratory work, it appeared that the stream sediment technique did not give satisfactory results but was mainly the reflection of local geology variations. A few mineral occurrences had been found but were not reflected in proximal stream sediments.

As first stated, mineral occurrences--lead-zinc and locally copper--had been discovered in the midst of geological mapping or general exploration (cf. H. Salat, 1974 Report). Therefore, in the first stage, all the talus slopes were checked thoroughly by detailed prospection; at the same time, talus fine sampling was done in the hope of noting any occurrence which might be overlooked by normal prospection.

During the second stage, a grid was laid out over the large plateau between Nordling Creek and Colledge Creek. Indeed a good mineralized outcrop was known on the north slope of Colledge Creek and some rich boulders and veins had been noted along the small cliff bordering Nordling Creek. It was therefore expected that geochemical soil sampling would indicate any existing connection between these two showings.

The main showing, located on the north side of Colledge Creek valley, was investigated more thoroughly. As trenching was not convenient, four sampled cross sections were used whereby chip samples were taken every foot (30 cm). However, two small trenches were dug over a copper showing associated with a vertical north-south fault, running near the main showing.

During the previous season, geological mapping had been done in detail over the northern and central ridges of the property; insufficient time was available to complete mapping on the southern portion. Additional mapping was therefore carried out at the same time as the geochemical survey which led to a new revised geological map of the claims.

2. Completion of Programme

The programme was contracted to Wollex Exploration Ltd. of Calgary, Alberta which carried it out during the month of August. In order to reduce costs, camp transportation and equipment were provided by Besa River Outfitters of Fort St. John and everything moved by means of pack and saddle horses. Then a Jet Ranger 206-B Bell helicopter supplied by Aquitaine Company of Canada Ltd. was used to conduct the programme on the TRI claims. The author and his assistant joined Wollex in the

field to aid in the rapid completion of the work since unseasonable weather and difficult terrain had hampered the normal progress of that programme.

All the particulars of the field work and observations are included in a separate report prepared by Mr. M.W. Pyke of Wollex Exploration Ltd. However, all the work was done under the author's supervision.

RESULTS OF THE 1974 FIELD PROGRAMME

1. Additional Geology (Figure 2)

During the previous field season, the stratigraphy and structural features encountered on the property had seemed established. The rock formations consist mainly of Devonian rocks which are broken up into the Muncho-McConnell Formation (Lower Devonian), the Stone and Dunedin Formations (Middle Devonian) and the Besa River shales (Upper Devonian to Mississippian).

The high ridge on the north side of Nordling Creek and the plateau between Nordling and Colledge Creeks had been previously investigated, but some more checking was needed, mainly to the south, in order to complete geological mapping of the property.

The first point which was recognized was the normal position of the carbonate strata--mostly Dunedin Formation--beneath the Besa River shales. Therefore, the easterly thrust fault which was thought to indicate an

abnormal succession does not exist (cf. 1973 Geological & Geochemical Survey, H. Salat) and a normal sequence of folded Devonian strata was observed throughout the eastern and southern part of the claims.

South of Colledge Creek, the plateau slowly rising towards the west is composed entirely of nearly horizontal layers belonging to the Stone Formation. However, a thrust sheet including some Stone and Muncho-McConnell beds onlaps over the flat lying strata so that part of the Stone Formation is overlying strata of the same formation, which was at first difficult to identify.

On the eastern margin of the plateau, downslope towards the main valley, continuation of the Dunedin Formation is assumed as it rarely outcrops on the south side of Colledge Creek. This band seems to taper off against a distinct topographical feature which can be related to a fault. Indeed, this feature or fault abruptly ends the Stone Formation and places it in contact with the Besa River shales which make up most of the southern portion of the property.

This fault is further evidenced by the displacement of the same set-up of Dunedin and Stone Formations which widely outcrop toward the west right against the above-mentioned thrust fault, and are steeply folded. All the observations are compiled on the 1974 revised geological map of the TRI claims which is included with this report (see Figure 2).

2. Mineralized Occurrences

The present report will deal mainly with the showing occurring on

the northern rim of Colledge Creek valley. Another mineralized zone is known north of Nordling Creek but it had been closely examined the previous year and did not warrant any further work.

Mineralization occurs in a calcite-barite filled zone with visible galena and less conspicuous sphalerite. The geological environment consists of a limy reefal facies, composed of massive, structureless limestone rich in Stromatopora and algae. This reef lays over a shallow-water, lagoonal facies with bird's-eye and laminite limestone; at the contact between the two rock types, some galena is visible.

As trenching was not practical along the steep in-stepped cliff, covered with huge frost-heaved blocks and rubble, four profiles--50 feet (15 m) apart--were implemented which consisted in taking a chip sample every vertical foot (30 cm) and then analyzed. Chemical results for lead and zinc were very disappointing and fail to indicate any lateral extension of the mineralization into surrounding rock, besides what had been found in outcrops (cf. Appendix I - rock samples U-20 to 122).

Other small occurrences were found by prospecting along talus slopes but they will be described and discussed in a later paragraph. Otherwise, only 500 feet (150 meters) east of the main occurrence described above against a north-south vertical fault and some scattered debris of malachite stained dolomite were observed. Located above the Stone dolomite cliff where the plateau starts to slope down, the source of these copper stains was covered with rubble and not readily visible.

Consequently, using a cobra-drill and 3-foot (90 cm) rods, the Wollex Exploration crew was able to dig two small trenches. Description of rocks and mineralization are given in detail in Mr. Pyke's report. Assays on grab samples ran between 0.75% and .45% copper and confirm very little interest in that showing.

3. Soil Geochemistry

Results from chemical assays for soil samples as well as talus fine have been reported on the accompanying maps to show their spatial relationship. Their references to sample number and sample location will be found in the separate report by M.W. Pyke of Wollex Exploration. As the maps are drawn at the same scale, it is a simple matter of map superimposition to get a complete image.

Figures 3 and 4 show zinc and lead distribution in soil samples, the techniques of sampling again are described in Mr. Pyke's report. Zinc and lead histograms, as shown in Appendix V, were derived from a computer program which provided a quick manner in which sample values might be classified into intervals. However, to arrive at a better statistical distribution of soil samples a certain number of values had to be discarded; this represents only 2.5% of the values rejected as abnormally high and 0.7% as abnormally low.

Lead and zinc values arrange themselves rather nicely according to a log normal distribution (cf. histograms in Appendix V). Particularly in the case of zinc, the plotting on probability paper (Appendix VI)

shows a straight line; this plot then justifies the rejection of the higher values above 110 ppm which approximates the remaining 1.0 cumulative percentile. Referring to map contouring on Figure 3, one can see the randomly scattered hatched areas which statistically remain within the main zinc population. Only one zone has high values on the west side of the soil grid and is to be considered anomalous because of geographic concentration of these high values.

This zone is also enhanced by the similar observations obtained from contouring the lead distribution in the soil. As far as lead is concerned, the cumulative plot of lead value frequency does not describe a perfect line, not even within limits of a 95% confidence zone; the best attempt to partition it between two mixed populations indicates a mixing at 85-15%, of group A which would represent normal value (mean=27 ppm Pb), and group B--the "anomalous" population (mean=45 ppm Pb). A threshold value established at 50 ppm Pb--lower value used for map contouring--corresponds to a 99% cumulative percentage of the lower group; in other words, these areas contoured in Figure 4 contain only 1% of the lower group values.

Consequently all lead hatched areas can be considered anomalous and as lead is a less mobile element than zinc, they probably represent a better target for location of mineralization. Indeed, zinc anomalies appear to correlate nicely; nevertheless, they show a distinct displacement downslope from the high lead areas.

From these, one zone appears to have some interest. That is a roughly

north-south trending piece of ground included between profiles 2E and 12W, open to the north towards Nordling Creek and tapering off near line 12N. As will be discussed in a following paragraph, the northern termination is coincidental with mineralized boulders found in talus.

Another area is presented here as possibly having some value. Mainly based on lead results, this area is located in the southeastern corner of the sample grid between profile 22 and 28E and lines 6 and 12N. However, loose correlation with a hydromorphically displaced high zinc reading seems to exist which then increases the value of that area.

From this survey, a lack of related high geochemical results is apparent, in the vicinity of what is called the Main Colledge Creek mineral occurrence. Conclusions from that point would be questionable, but since the occurrence is very restricted in size and value as discussed previously, one tends to think that the two above mentioned anomalous zones would represent higher potential and more promising targets worth exploration.

4. Talus Fine Geochemistry

As the area includes many high ridges or cliffs covered at their base by extensive talus or scree, a fair amount of ground is lost to regular geochemical investigation (soil or stream sediment). A technique consisting of sampling the fine particles down to 12 or 13 inches (30 to 45 cm) along the rubble slopes was then implemented and several traverses were run over to the TRI claims.

A total of 85 samples were then collected and analysed for their Zn, Pb and Cu content. The results indicate a homogeneous population, though no statistical analysis was done over so small a number.

5. Prospection Along Talus Slopes

Prospecting was carried out at the same time as the slopes were traversed for talus fine samples. From that search for mineral occurrences, two new zones of unequal interest were found on both sides of Nordling Creek.

A zone of mineralized boulders located on the northeast corner of the claim group contains disseminated chalcopyrite, galena and sphalerite in fragmented dark limestone with calcite-barite gangue; the highest values obtained by analysis run at 1% Zn, in one sample and 1% Pb, 2.5% Cu in another. This occurrence is probably the extension of the calcite-barite vein-type zone which was found by prospection the previous year (TRI 10 and TRI 11 in H. Salat, 1973), the zone being situated approximately 3000 feet (1000 meters) to the southeast. The nature and rock environment are similar and both areas are situated just underneath the very low angle thrusting tongue of the Stone Formation. On that basis, this new mineral occurrence was not rated of any great interest. As the rest of the northern part of the property proved itself of very little interest and was due for renewal under the British Columbia Mineral Act, it was decided to allow these claims to lapse. The foregoing concerns claims TRI-1 to 20 and TRI-90 to 110 inclusive.

The second mineralized boulder field is located on the other side of Nordling Creek and is composed of massive barite-calcite veining in silicified limestone and dolomitic limestone. Chemical assays returned values of up to 13% Zn, 1% Pb and 1.9% Cu in separate grab samples. These figures are not significant in themselves but indicate presence of metal concentration. Moreover, they come from an area which is spatially related to the anomalous geochemical zone as discussed in the preceding paragraph. All that contributes to give special interest to this area as each result enhances the value of the other. In addition, they are both located over terrain mapped as Dunedin or Stone Formations which are geologically favourable.

IV. CONCLUSION

Work carried out during the 1974 field season allowed us to appraise more precisely the value of the TRI claims. It had been shown that the northern part of the property, besides its few mineralized veins in the Dunedin Formation, did not represent any great interest; indeed, the nature of the topography--a high rugged ridge--good rock exposure and the restricted aspect of the mineral occurrence were many elements which led us to drop the northern claims.

On the other hand, south of Nordling Creek, Pb-Zn-Cu mineralization found over talus and a significant soil geochemical anomaly favoured the high plateau extending eastward from the high peaked Front Ranges. The area is also underlain by the favourable Devonian formations, namely the Stone and Dunedin. Consequently, if exploration is carried on over this

area, the next survey would consist of a geophysical investigation, such as resistivity, I.P. and gravity on a two stage basis, in order to determine the presence of any substantial concentration.

To the south, geology permitted us to delineate the different rock units and showed their respective limits. From there, it was noted that vast stretches of ground in the southern portion of the property were covered with shales spreading westward right against the high ridges. It remains an interesting area just south of Colledge Creek, extending all the way to the above mentioned shaley basin; this area is underlain mostly by Stone Formation sandy dolomite with a fringe of Dunedin limestone to the east, which makes this zone all the more so worthwhile of detailed examination. Therefore, it is also recommended for detailed geochemical soil sampling.

HS/jad

REFERENCES

- Pyke, M.W.
1974: Prospecting and Geochemical Program Covering the TRI Group of Mineral Claims, Redfern Lake area, Liard Mining Division, British Columbia; Wollex Exploration Ltd.
- Salat, H.P.
1975: Geological and Geochemical Survey, TRI Claims, Redfern Lake area, British Columbia, Liard Mining Division; submitted for assessment work to the Department of Mines and Petroleum Resources, Victoria, British Columbia.
- Sinclair, A.J.
1974: Selection of Threshold Values in Geochemical Data Using Probability Graphs; Journal of Geochemical Exploration, Volume 3, no. 2, pp. 129-149.

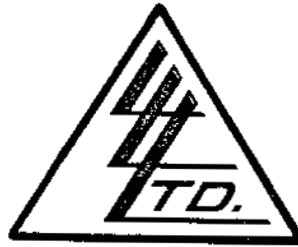
Appendix I
Geochemical Assays
(Loring Laboratories Ltd.)

To: AQUITAINE COMPANY OF CANADA LTD.,

540-5th Ave. S.W.,

CALGARY, Alta. T2P 0M4

ATTN: Mr. H. Salat



File No. 8955

Date October 16, 1974

Samples Geochems

Certificate of
ASSAY of
LORING LABORATORIES LTD.

TRI GROUP

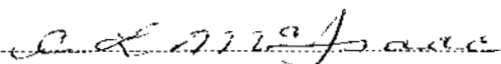
-1-

SAMPLE No.	PPM	
	Pb	Zn
P-1 B.L. ON-1E	42	77
P-2 -2	23	24
P-3 -3	28	55
P-4 -4	26	34
P-5 -5	33	66
P-6 -6	23	71
P-7 -7	21	64
P-8 -8	20	57
P-9 -9	20	59
P-10 -10	21	29
P-11 -11	23	54
P-12 -12	23	28
P-13 -13	21	27
P-14 -14	23	50
P-15 -15	29	62
P-16 -16	29	81
P-17 -17	26	64
P-18 -18	18	25
P-19 -19	42	54
P-20 -20	36	50
P-21 -21	42	36
P-22 -22	34	49
P-23 -23	29	42
P-24 -24	38	52
P-25 -25	36	93
P-26 2N-26-30E	25	75
P-27 27-29	47	39
P-28 28-28	23	49
P-29 29-27	33	106
P-30 30-26	39	57
P-31 31-25	33	66

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

Rejects Retained one month.

Pulps Retained one month
unless specific arrangements
made in advance.


Licensed Assayer of British Columbia

To: AQUITAINE COMPANY OF CANADA LTD.,
 540-5th Ave. S.W.,
 Calgary, Alta. T2P 0M4



File No. 8955
 Date October 16, 1974
 Samples Geochems

ATTN: H. Salat

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

-2-

TRI GROUP

SAMPLE No.	PPM	
	Pb	Zn
P-32 2N-32-24 E	31	86
P-34 34-22	36	81
P-35 35-21	42	84
P-36 36-20	33	67
P-37 37-19	26	34
P-38 38-18	25	49
P-39 39-17	29	64
P-40 40-16	25	46
P-41 41-15	23	43
P-42 42-15	23	44
P-43 43-13	21	46
P-44 44-12	23	60
P-45 45-11	23	66
P-46 46-10	20	38
P-47 47-9	21	50
P-48 48-8	21	64
P-49 49-7	23	64
P-50 50-6	28	64
P-51 51-5	33	55
P-52 52-4	26	49
P-53 53-3	39	77
P-54 54-2	38	26
P-55 55-1 N	29	57
P-56 4N 56-1	39	62
P-57 57-2	346	64
P-58 58-3	34	52
P-59 59-4	26	30
P-60 60-5 E	28	46
P-61 61-6	25	44
P-62 62-7	26	39
P-63 63-8	23	54
P-33 missing		

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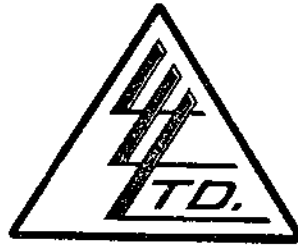
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 Samples Geochems



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TRI GROUP

-3-

SAMPLE No.	PPM	
	Pb	Zn
P-64 4N 64-9E	23	54
P-65 65-10	26	38
P-66 66-11	39	77
P-67 67-12	26	60
P-68 68-13	23	39
P-69 69-14	23	49
P-70 70-15	28	39
P-71 71-16	29	39
P-72 72-17	26	32
P-73 73-18	23	47
P-74 74-19	23	43
P-75 75-20	25	69
P-76 76-21	18	73
P-77 77-22	23	98
P-78 78-23	23	47
P-79 79-24	28	43
P-80 4N-25E	29	59
P-81 81-26	33	75
P-82 82-27	48	79
P-83 83-28	34	113
P-84 84-29	23	103
P-85 85-30	26	84
P-86 86-31	40	86
P-87 87-32	39	200
P-88 6N 88-32E	28	67
P-89 89-31	26	57
P-90 90-30	28	55
P-91 91-29	78	93
P-92 92-28	48	52
P-93 93-27	39	69
P-94 94-26	36	49

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-4-

TRI GROUP

SAMPLE No.	PPM	PPM
	Pb	Zn
P-95 6N 95-25E	81	75
P-96 96-24	39	46
P-97 97-23	28	69
P-98 98-22	25	31
P-99 99-21	23	20
P-100 100-20	23	73
P-101 101-19	25	46
P-102 102-18	25	49
P-103 103-17	23	28
P-104 104-16	23	27
P-105 105-15	23	43
P-106 106-14	34	50
P-107 107-13	28	31
P-108 108-12	28	31
P-109 109-11	21	25
P-110 110-10	28	34
P-111 111-9	23	57
P-112 112-8	26	50
P-113 113-7	38	38
P-114 114-6	33	71
P-115 115-5	34	43
P-116 116-4	34	71
P-117 117-3	430	59
P-118 118-2	33	52
P-119 6N119-1E	33	43
P-120 120-1	36	46
P-121 121-2	74	62
P-122 122-3	33	52
P-123 123-4	38	47
P-124 124-5	31	39
P-125 125-6	33	52
P-126 126-7	28	42

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-5-

TRI GROUP

SAMPLE No.	PPM	
	Pb	Zn
P-127 6N 127-8 E	34	44
P-128 128-9	29	47
P-129 129-10	24	46
P-130 130-11	25	46
P-131 131-12	28	32
P-132 132-13	28	46
P-133 133-14	33	27
P-134 134-15	33	54
P-135 135-16	29	64
P-136 136-17	28	54
P-137 137-18	28	100
P-138 138-19	27	77
P-139 139-20	23	111
P-140 140-21	26	64
P-141 141-22	21	28
P-142 142-23	100	108
P-143 143-24	152	67
P-144 144-25	410	84
P-145 145-26	65	49
P-146 146-27	29	77
P-147 147-28	23	88
P-148 148-29	20	66
P-149 149-30	17	43
P-150 150-31	23	90
P-151 151-32	20	84
P-152 12N152-32	26	73
P-153 153-31	23	95
P-154 154-30	18	55
P-155 155-29	21	98
P-156 156-28	25	75
P-157 157-27	23	86

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-6-

TRI GROUP

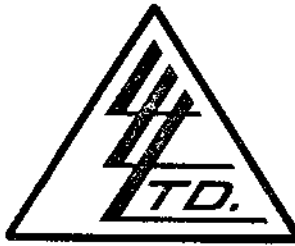
SAMPLE No.	PPM	
	Pb	Zn
P-158 12N-26E	45	44
P-159 -25	36	49
P-160 -24	57	71
P-161 -23	68	86
P-162 -22	55	62
P-163 -21	26	22
P-164 -20	48	66
P-165 -19	51	84
P-166 -18	40	59
P-167 -17	28	55
P-168 -16	23	77
P-169 -15	20	46
P-170 -14	25	36
P-171 -13	28	108
P-172 -12	28	84
P-173 -11	29	55
P-174 -10	39	93
P-175 -9	39	64
P-176 -8	26	81
P-177 -7	44	73
P-178 -6	29	69
P-179 -5	42	52
P-180 -4	33	81
P-181 -3	28	50
P-182 -2	40	50
P-183 -1	42	57
P-184 14N- 1E	42	64
P-185 -2	33	55
P-186 -3	28	57
P-187 -4	29	54
P-188 -5	40	95
P-189 -6	33	43

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

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

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

To: AQUITAINE COMPANY OF CANADA LTD.,
 540-5th Ave. S.W.,
 Calgary, Alta.



File No. 8955
 Date October 16, 1974
 Samples Geochems

ATTN: H. Salat

Certificate of
ASSAY of
LORING LABORATORIES LTD.

TRI GROUP

-7-

SAMPLE No.	PPM	
	Pb	Zn
P-190 14N- 7E	33	66
P-191 - 8	33	71
P-192 - 9	28	43
P-193 -10	29	46
P-194 -11	29	73
P-195 -12	23	86
P-196 -13	29	38
P-197 -14	28	52
P-198 -15	31	35
P-199 -16	28	71
P-200 -17	45	77
P-201 -18	45	71
P-202 -19	33	46
P-203 -20	36	73
P-204 -21	28	59
P-205 -22	31	62
P-206 -23	33	77
P-207 -24	45	42
P-208 -25	34	77
P-209 -26	25	64
P-210 -27	29	47
P-211 -28	28	98
P-212 -29	29	44
P-213 -30	21	44
P-214 16N-30E	26	98
P-215 -29	25	79
P-216 -28	25	62
P-217 -27	28	81
P-218 -26	33	44
P-219 -25	38	59
P-220 -24	34	66

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E. M. J. [Signature]
 Licensed Assayer of British Columbia

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 LORING LABORATORIES LTD.

TRI GROUP

-8-

SAMPLE No.	PPM	PPM
	Pb	Zn
P-221 16N-23E	21	46
P-222 -22	33	59
P-223 -21	33	62
P-224 -20	29	59
P-225 -19	31	57
P-226 -18	40	30
P-227 -17	36	54
P-228 -16	39	75
P-229 -15	28	98
P-230 -14	28	67
P-231 -13	18	79
P-232 -12	26	71
P-233 -11	23	103
P-234 -10	18	64
P-235 - 9	23	43
P-236 - 8	26	62
P-237 - 7	73	71
P-238 - 6	26	60
P-239 - 5	33	47
P-240 - 4	29	47
P-241 - 3	28	33
P-242 - 2	29	64
P-243 - 1	52	86
P-244 10N- 1E	26	60
P-245 2	28	84
P-246 - 3	29	42
P-247 - 4	25	73
P-248 - 5	29	49
P-249 - 6	26	50
P-250 - 7	29	81
P-251 - 8	36	71

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 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

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[Signature]

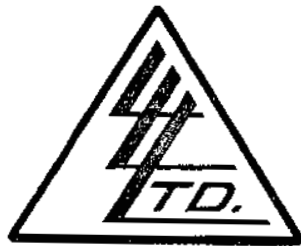
Licensed Assayer of British Columbia

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ATTN: H. Salat



File No. 8955

Date October 16, 1974

Samples Geochems

Certificate of
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TRI GROUP

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SAMPLE No.	PPM	
	Pb	Zn
P-252 10N- 9E	26	44
P-253 -10	25	59
P-254 -11	23	57
P-255 -12	94	55
P-256 -13	28	50
P-257 -14	29	59
P-258 -15	23	38
P-259 -16	36	88
P-260 -17	26	43
P-261 -18	26	59
P-262 -19	29	57
P-263 -20	36	64
P-264 -21	33	66
P-265 -22	36	54
P-266 -23	39	106
P-267 -24	48	71
P-268 -25	87	106
P-269 -26	78	88
P-270 -27	55	71
P-271 -28	26	100
P-272 -29	20	81
P-273 -30	18	95
P-274 -31	20	95
P-275 18N-30E	31	59
P-276 -29	28	46
P-277 -28	29	28
P-278 -27	26	33
P-279 -26	33	36
P-280 -25	29	43
P-281 -24	28	66
P-282 -23	29	71

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attn: H. Salat



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Date October 16, 1974

Samples Geochems

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-10-

TRI GROUP

SAMPLE No.	PPM	PPM
	Pb	Zn
P-283 18N-22E	23	34
P-284 -21	23	54
P-285 -20	33	27
P-286 -19	31	66
P-287 -18	28	50
P-288 -17	38	38
P-289 -16	34	79
P-290 -15	28	36
P-291 -14	26	54
P-292 -13	33	46
P-293 -12	29	50
P-294 -11	29	66
P-295 -10	26	39
P-296 -9	29	60
P-297 -8	26	44
P-298 -7	63	75
P-299 -6	53	88
P-300 -5	40	79
P-301 -4	33	49
P-302 -3	29	66
P-303 -2	29	50
P-304 -1	48	62
P-305 20N-1E	45	55
P-306 -2	50	88
P-307 -3	39	79
P-308 -4	42	77
P-309 -5	39	77
P-310 18N-6E	31	64
P-311 20N-7 E	29	59
P-312 -8	28	34
P-313 -9	26	52

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Pulps Retained one month
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[Signature]
Licensed Assayer of British Columbia

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 540-5th Ave. S.W.,
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File No. 8955
 Date October 16, 1974
 Samples Geochems

ATTN: H. Salat

**Certificate of
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TRI GROUP

SAMPLE No.	PPM	
	Pb	Zn
P-314 20N-10E	29	54
P-315 -11	23	54
P-316 -12	23	60
P-317 -13	21	60
P-318 -14	23	44
P-319 -15	26	52
P-320 -16	28	47
P-321 -17	29	27
P-322 -18	18	25
P-323 -19	18	23
P-324 -20	28	24
P-325 -21	23	38
P-326 -22	31	41
P-327 -23	34	41
P-328 -24	33	62
P-329 -25	33	77
P-330 -26	44	59
P-331 -27	28	67
P-332 -28	25	66
P-333 -29	25	86
P-334 22N-28E	31	84
P-335 -27	31	90
P-336 -26	36	62
P-337 -25	29	50
P-338 -24	26	46
P-339 -23	26	50
P-340 -22	23	20
P-341 -21	31	49
P-342 -20	25	50
P-343 -19	23	43
P-344 -18	29	23

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

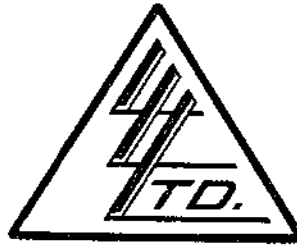
Rejects Retained one month.
 Pulp Retained one month
 unless specific arrangements
 made in advance.

James
 Licensed Assayer of British Columbia

To: AQUITAINE COMPANY OF CANADA LTD.,

540-5th Ave. S.W.,

Calgary, Alta.



File No. 8955

Date October 16, 1974

Samples Geochems

ATTN: H. Salat

Certificate of
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LORING LABORATORIES LTD.

TRI GROUP

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SAMPLE No.	PPM	
	Pb	Zn
P-345 22N-17E	26	43
P-346 -16	23	19
P-347 -15	26	66
P-348 -14	26	35
P-349 -13	28	31
P-350 -12	28	39
P-351 -11	29	84
P-352 -10	26	33
P-353 - 9	29	59
P-354 - 8	28	43
P-355 - 7	29	54
P-356 - 6	36	81
P-357 - 5	42	90
P-358 - 4	39	81
P-359 - 3	44	79
P-360 - 2	45	88
P-361 - 1	58	26
P-362 24N- 1E	44	43
P-363 - 2	48	52
P-364 - 3	48	79
P-365 - 4	33	52
P-366 - 5	36	60
P-367 - 6	36	60
P-368 - 7	29	29
P-369 - 8	29	46
P-370 - 9	25	66
P-371 -10	25	42
P-372 -11	25	84
P-373 -12	25	42
P-374 -13	28	55
P-375 -14	21	19

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

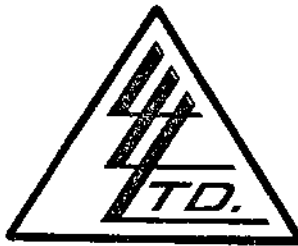
Rejects Retained one month.

Pulps Retained one month
unless specific arrangements
made in advance.

H. Salat

Licensed Assayer of British Columbia

To: AQUITAINE COMPANY OF CANADA LTD.,
 540-5th Ave. S.W.,
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File No. 8955
 Date October 16, 1974
 Samples Geochems

ATTN: Mr. H. Salat

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LORING LABORATORIES LTD.

-13-

TRI GROUP

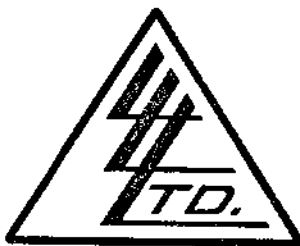
SAMPLE No.	PPM	
	Pb	Zn
P-376 24N-15E	26	23
P-377 -16	26	54
P-378 -17	31	34
P-379 -18	28	52
P-380 -19	23	22
P-381 -20	29	20
P-382 -21	29	44
P-383 -22	33	25
P-384 -23	28	28
P-385 -24	28	59
P-386 -25	29	43
P-387 -26	31	50
P-388 -27	28	34
P-389 -28	33	54
P-390 26N-27E	29	46
P-391 -26	33	35
P-392 -25	31	50
P-393 -24	29	67
P-394 -23	33	52
P-395 -22	26	33
P-396 -21	26	23
P-397 -20	23	34
P-398 -19	26	22
P-399 -18	28	54
P-400 -17	26	69
P-401 -16	29	26
P-402 -15	26	50
P-403 -14	25	54
P-404 -13	26	35
P-405 -12	21	35
P-406 -11	26	41

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[Signature]
 Licensed Assayer of British Columbia

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540-5th Ave. S.W.,
Calgary, Alta.



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Date October 16, 1974
Samples Geochems

ATTN: H. Salat

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-14-

TRI GROUP

SAMPLE No.	PPM	
	Pb	Zn
P-407 26N-10E	31	27
P-408 - 9	34	57
P-409 - 8	31	67
P-410 - 7	26	60
P-411 - 6	36	49
P-412 - 5	39	86
P-413 - 4	55	103
P-414 - 3	65	86
P-415 - 2	51	49
P-416 - 1	60	50
P-417 28N-0 W	48	35
P-418 - 1	44	28
P-419 - 2	60	69
P-420 - 3	42	36
P-421 - 4	48	33
P-422 - 5	45	36
P-423 - 6	39	55
P-424 30N- 6W	73	113
P-425 - 5	42	60
P-426 - 4	55	50
P-427 - 3	72	75
P-428 - 2	87	86
P-429 - 1	51	55
P-430 30N- 0W	45	39

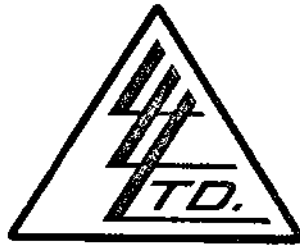
I *Hereby Certify* THAT THE ABOVE RESULTS ARE THOSE
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Pulps Retained one month
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[Signature]
Licensed Assayer of British Columbia

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 540-5th Ave. S.W.,
 Calgary, Alta.



File No. 8955
 Date October 16, 1974
 Samples Geochems

ATTN: H. Salat

Certificate of
ASSAY of
LORING LABORATORIES LTD.

TRI GROUP

-15-

SAMPLE No.	PPM	PPM
	Pb	Zn
B-166	45	64
B-167	36	52
B-168	40	46
B-169	36	41
B-170	39	32
B-171	48	47
B-172	42	47
B-173	42	34
B-174	42	35
B-175	26	36
B-176	26	39
B-177	25	42
B-178	46	60
B-179	28	42
B-180	26	59
B-181	33	31
B-182	55	88
B-183	68	235
B-184	58	73
B-185	33	88
B-186	33	95
B-187	28	54
B-188	26	46
B-189	25	62
B-190	28	277
B-191	20	50
B-192	18	252
B-193	23	59
B-194	23	95
B-195	23	62
B-196	39	71
B-197	29	106

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[Handwritten Signature]

Licensed Assayer of British Columbia

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File No. 8955

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Samples Geochems

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LORING LABORATORIES LTD.

-16-

TRI GROUP

SAMPLE No.	PPM	PPM
	Pb	Zn
B-198	36	111
B-199	25	59
B-200	18	30
B-201	20	66
B-202	18	33
B-203	20	30
B-204	20	26
B-205	36	44
B-206	28	64
B-207	26	18
B-208	28	46
B-209	28	67
B-210	34	71
B-211	66	69
B-212	58	195
B-213	44	75
B-214	65	108
B-215	39	79
B-216	58	42
B-217	44	62
B-218	51	62
B-219	57	71
B-220	45	66
B-221	51	66
B-222	45	43
B-223	50	73
B-224	46	47
B-225	51	46
B-226	46	50
B-227	45	79
B-228	55	50

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E. M. Isaac
Licensed Assayer of British Columbia

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-17-

TRI GROUP

SAMPLE No.	PPM	
	Pb	Zn
B-229	55	46
B-230	60	41
B-231	48	59
B-232	50	55
B-233	44	77
B-234	51	52
B-235	46	49
B-236	45	64
B-237	44	42
B-238	42	73
B-239	48	47
B-240	55	52
B-241	62	46
B-242	58	55
B-243	74	71
B-244	87	130
B-245	52	66
B-246	60	111
B-247	48	81
B-248	34	60
B-249	36	108
B-250	33	67
B-251	33	34
B-252	26	28
B-253	25	31
B-254	21	31
B-255	26	22
B-256	25	39
B-257	26	28
B-258	23	35
B-259	25	23

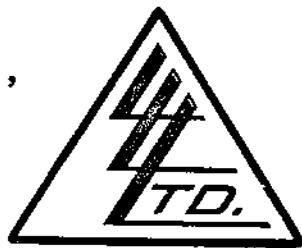
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TRI GROUP

-18-

SAMPLE No.	PPM	PPM
	Pb	Zn
B-260	25	25
B-261	25	12
B-262	25	52
B-263	23	27
B-264	23	22
B-265	23	16
B-266	26	19
B-267	33	15
B-268	29	29
B-269	20	30
B-270	44	100
B-271	34	54
B-272	40	77
B-273	45	75
B-274	39	59
B-275	45	66
B-276	48	64
B-277	44	41
B-278	50	39
B-279	46	41
B-280	44	49
B-281	42	44
B-282	44	43
B-283	34	66
B-284	31	57
B-285	36	46
B-286	52	32
B-287	66	31
B-288	45	24
B-289	46	41
B-290	53	69

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ATTN: H. Salat

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TRI GROUP

SAMPLE No.	PPM	PPM
	Pb	Zn
B-292	53	69
B-293	44	46
B-294	62	22
B-295	38	35
B-296	48	47
B-297	51	34
B-298	42	27
B-299	57	98
B-300	50	46
B-301	51	38
B-302	36	29
B-303	40	52
B-304	45	46
B-305	44	67
B-306	38	41
B-307	38	43
B-308	40	81
B-309	34	59
B-310	36	50
B-311	38	100
B-312	29	32
B-313	33	50
B-314	29	27
B-315	23	28
B-316	28	12
B-317	25	22
B-318	25	19
B-319	25	19
B-320	25	43
B-321	26	19
B-322	23	31

B-291 missing

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

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 Pulp Retained one month
 unless specific arrangements
 made in advance.

[Signature]

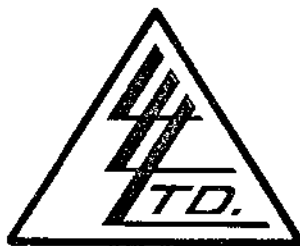
Licensed Assayer of British Columbia

To: AQUITAINE COMPANY OF CANADA LTD.,

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Calgary, Alta.

ATTN: H. Salat



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Date October 16, 1974

Samples Geochems

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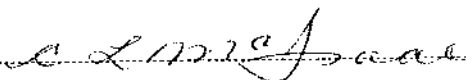
TRI GROUP

-20-

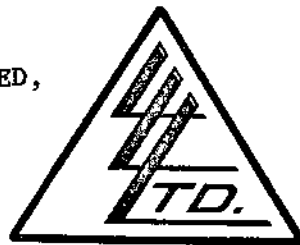
SAMPLE No.	PPM	PPM
	Pb	Zn
B-323	26	60
B-324	25	28
B-325	25	25
B-326	29	13
B-327	28	12
B-328	29	30
B-329	29	20
B-330	29	21
B-331	33	50
B-332	28	95
B-333	33	64
B-334	36	71
B-335	63	42
B-336	48	67
B-337	42	59
B-338	50	69
B-339	48	84
B-340	65	123
B-341	44	43
B-342	55	73
B-343	46	41
B-344	51	36
B-345	46	32
B-346	52	50
B-347	68	49
B-349	44	39
B-351	50	49
B-352	79	33
B-348, 350 missing		

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

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


Licensed Assayer of British Columbia

To: AQUITAINE COMPANY OF CANADA LIMITED,
 540-5th Avenue S.W.,
 CALGARY, Alberta



File No. 8965
 Date October 18, 1974
 Samples Rock Geochems

ATTN: H. Salat

Certificate of
ASSAY OF
LORING LABORATORIES LTD.

-1-

TRI Group

SAMPLE No.	PPM Pb	PPM Zn
U-20	33	19
U-21	29	22
U-22	28	26
U-23	29	21
U-24	29	19
U-25	26	14
U-26	40	50
U-27	44	98
U-28	33	42
U-29	3580	2365
U-30	3800	140
U-31	62	88
U-32	39	86
U-33	34	59
U-34	70	16
U-35	33	15
U-36	29	19
U-37	29	17
U-38	31	15
U-39	33	14
U-40	29	20
U-41	29	28
U-42	29	21
U-43	29	14
U-44	29	15
U-45	26	32
U-46	31	10
U-47	26	9
U-48	39	11
U-49	50	259
U-50	42	185

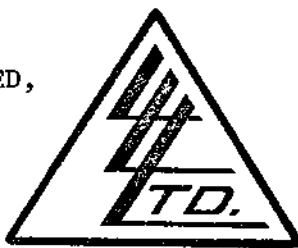
**I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES**

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

C. L. M. Asua
 Licensed Assayer of British Columbia

To: AQUITAINE COMPANY OF CANADA LIMITED,
540-5th Ave. S.W.,
CALGARY, Alberta

ATTN: H. Salat



File No. 8965
Date October 18, 1974
Samples Rock-geochems

Certificate of
ASSAY OF
LORING LABORATORIES LTD.

-2-

TRI Group

SAMPLE No.	PPM	PPM
	Pb	Zn
U-51	48	116
U-52	39	116
U-53	53	123
U-54	45	109
U-55	44	98
U-56	40	100
U-57	33	79
U-58	33	36
U-59	28	29
U-60	26	55
U-61	29	875
U-62	26	71
U-63	25	34
U-64	25	16
U-65	23	19
U-66	26	10
U-67	23	13
U-68	23	12
U-69	21	8
U-70	23	9
U-71	31	12
U-72	26	28
U-73	26	19
U-74	33	31
U-75	26	17
U-76	23	10
U-77	25	17
U-78	25	24
U-79	48	32
U-80	33	14
U-81	33	18

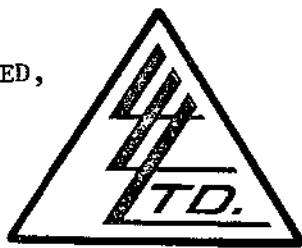
I *Hereby Certify* THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.

Pulps Retained one month
unless specific arrangements
made in advance.

A. H. M. J. A. A. A.
Licensed Assayer of British Columbia

To: AQUITAINE COMPANY OF CANADA LIMITED,
 540-5th Avenue S.W.,
 CALGARY, Alberta



File No. 8965
 Date October 18, 1974
 Samples Rock Geochems

ATTN: H. Salat

Certificate of
ASSAY OF
LORING LABORATORIES LTD.

-3-

TRI Group

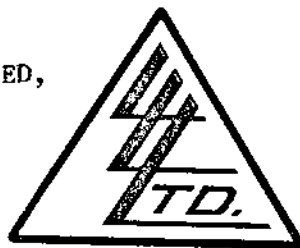
SAMPLE No.	PPM Pb	PPM Zn
U-82	73	62
U-83	36	24
U-84	28	17
U-85	26	26
U-86	26	15
U-87	33	25
U-88	29	18
U-89	34	10
U-90	28	8
U-91	29	8
U-92	29	10
U-93	60	55
U-94	29	10
U-95	31	11
U-96	29	10
U-97	29	7
U-98	33	11
U-99	29	7
U-100	28	9
U-101	33	9
U-102	29	15
U-103	26	10
U-104	26	12
U-105	102	109
U-106	65	111
U-107	74	124
U-108	48	127
U-109	58	128
U-110	48	112
U-111	42	66
U-112	36	26

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

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

C. H. M. J. J. J.
 Licensed Assayer of British Columbia

To: AQUITAINE COMPANY OF CANADA LIMITED,
540-5th Avenue S.W.,
CALGARY, Alberta



File No. 8965
Date October 18, 1974
Samples Rock Geochems

ATTN: H. Salat

Certificate of
ASSAY of
LORING LABORATORIES LTD.

-4-

TRI Group

SAMPLE No.	PPM	PPM
	Pb	Zn
U-113	29	56
U-114	33	59
U-115	29	43
U-116	29	30
U-117	26	32
U-118	23	17
U-119	26	19
U-120	26	12
U-121	26	10
U-122	39	9

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

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

[Signature]
Licensed Assayer of British Columbia

Appendix II
Method of Extraction
(Loring Laboratories Ltd.)



LORING LABORATORIES LTD.

Phone 274-2777

629 Beaverdam Rd. N.E.
Calgary 67, Alberta

METHOD OF EXTRACTION

$\frac{1}{2}$ gram samples of the -80 mesh portion is dissolved in aqua-regia in the hot water bath for three hours. After adjusting the volume the solutions are put through the atomic absorption spectrophotometer with appropriate standards.

Appendix III
Geochemical Assays
(G. Leroy Analyst)

AQUITAINE COMPANY
OF CANADA LTD.

DATE: October 24, 1974

ANALYST: G. Leroy

SAMPLES: Grab samples

ASSAYS

<u>Sample Number</u>	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>
F - 140	1,275	40	10,750
F - 141	660	510	385
F - 142	2,750	75	350
F - 143	350	40	175
F - 144	1,115	45	4,500
F - 145	3,250	65	330
F - 146	5,000	200	440
F - 147	25,000	11,250	1,675
F - 148	1,380	75	11,000
F - 149	2,500	975	625
F - 150	1,120	275	580
F - 151	450	90	400
F - 152	340	1,045	900
F - 171	235	7,000	100,000
F - 172	135	7,000	8,500
F - 173	190	8,000	48,000
F - 174	740	7,250	131,250
F - 175	200	5,000	46,500
E - 1A	35	2,375	75
N - 53	35	135	880
Tri #1	140	5,000	562,250
Tri #2	965	50	215
#3 & #4	750	100	500
	4,500	45	140
U - 15	40	8,000	5,000
U - 16	55	10,500	475
U - 17	80	565	6,500
U - 18	19,000	220	590

AQUITAINE COMPANY
OF CANADA LTD.

DATE: October 24, 1974

ANALYST: G. Leroy

SAMPLES: Soil samples

ASSAYS

<u>Sample Number</u>	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>
B - 25	25	35	50
B - 26	20	15	45
B - 27	10	20	25
B - 28	25	60	75
B - 29	35	20	60
B - 30	20	10	40
B - 31	10	10	25
B - 32	15	25	45
B - 33	20	10	35
B - 34	10	10	25
B - 35	20	10	135
B - 36	10	10	25
B - 37	10	15	45
B - 38	10	10	30
B - 39	10	20	45
B - 40	10	10	30
B - 41	10	20	30
B - 42	10	15	35
B - 43	10	20	30
B - 44	15	20	25
B - 45	15	35	40
B - 46	25	25	40
B - 47	15	20	35
B - 48	20	25	60
B - 49	30	25	45
B - 50	30	20	40
B - 51	15	30	30
B - 52	10	25	35
B - 53	10	25	60
B - 54	15	15	30
B - 55	10	20	25
B - 56	10	15	30
B - 57	15	25	45
B - 58	10	20	25
B - 59	10	20	35

continued

AQUITAINE COMPANY
OF CANADA LTD.

DATE: October 24, 1974

ANALYST: G. Leroy

SAMPLES: Talus fine

ASSAYS

<u>Sample Number</u>	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>
F - 153	15	35	20
F - 154	15	35	25
F - 155	15	20	25
F - 156	10	25	20
F - 157	30	20	125
F - 158	20	40	50
F - 159	70	90	160
F - 160	65	30	130
F - 161	45	15	220
F - 162	20	30	70
F - 163	15	30	60
F - 164	20	25	55
F - 165	10	20	40
F - 166	10	30	20
F - 167	20	25	10
F - 168	10	25	10
F - 169	10	30	10
F - 170	10	25	15
SU - 62	25	55	90
SU - 63	10	25	40
SU - 64	20	25	40
SU - 65	25	25	50
SU - 66	25	20	55
SU - 67	20	25	45
SU - 68	20	45	45
SU - 69	20	25	35
SU - 70	30	50	50
SU - 71	20	25	40
SU - 72	35	30	45
SU - 73	25	35	145
SU - 74	45	25	80
SU - 75	25	20	45
SU - 76	40	80	250
SU - 77	15	20	60
SU - 78	20	30	35

continued

AQUITAINE COMPANY
OF CANADA LTD.

DATE: October 24, 1974

ANALYST: G. Leroy

SAMPLES: Talus fine

ASSAYS

<u>Sample Number</u>	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>
SU - 79	10	15	50
B - 1	10	25	270
B - 2	10	15	35
B - 3	10	30	40
B - 4	10	20	20
B - 5	10	20	35
B - 6	30	20	35
B - 7	25	15	35
B - 8	15	20	35
B - 9	15	20	30
B - 10	15	25	40
B - 11	20	15	245
B - 12	15	15	95
B - 13	25	10	120
B - 14	20	20	75
B - 15	15	20	30
B - 16	15	15	45
B - 17	5	10	20
B - 18	10	10	50
B - 19	10	20	260
B - 20	10	25	330
B - 21	10	25	280
B - 22	10	20	170
B - 23	10	25	15
B - 24	15	25	15
E - 1	25	110	70
E - 2	20	135	50
E - 3	10	50	30
E - 4	15	20	40
E - 5	20	40	25
E - 6	15	35	30
E - 7	20	40	15
E - 8	15	50	15
E - 9	15	30	15

continued

AQUITAINE COMPANY
OF CANADA LTD.

DATE: October 24, 1974

ANALYST: G. Leroy

SAMPLES: Talus fine

ASSAYS

<u>Sample Number</u>	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>
E - 10	20	45	35
E - 11	15	45	20
E - 12			
E - 13	20	50	25
E - 14	25	40	190
E - 15	20	65	50
E - 16	25	45	35
E - 17	30	25	20
E - 18	20	50	25
E - 19	25	35	145
E - 20	25	40	70
E - 21	20	30	125
E - 22	35	40	20
E - 23	25	30	25
E - 24	25	25	15
E - 25	20	50	25

AQUITAINE COMPANY
OF CANADA LTD.

DATE: October 24, 1974

ANALYST: G. Leroy

SAMPLES: Soil samples

ASSAYS

<u>Sample Number</u>	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>
B - 60	15	25	35
B - 61	25	25	40
B - 62	35	40	55
B - 63	15	20	50
B - 64	10	15	35
B - 65	15	30	60
B - 66	30	35	50
B - 67	20	20	50
B - 68	10	25	35
B - 69	10	20	30
B - 70	15	25	35
B - 71	15	25	40
B - 72	15	25	50
B - 73	20	30	80
B - 74	15	25	45
B - 75	15	30	60
B - 76	15	30	50
B - 77	25	30	45
B - 78	15	20	40
B - 79	15	20	40
B - 80	20	50	40
B - 81	15	40	45
B - 82	20	45	50
B - 83	45	40	80
B - 84	15	25	120
B - 85	75	45	80
B - 86	40	105	135
B - 87	60	25	70
B - 88	60	20	55
B - 89	60	20	70
B - 90	60	10	60
B - 91	55	25	110
B - 92	15	25	100
B - 93	10	20	110
B - 94	420-440	30-40	220-185

continued

DATE: October 24, 1974

ANALYST: G. Leroy

SAMPLES: Soil samples

ASSAYS

<u>Sample Number</u>	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>
B - 95	25	25	85
B - 96	10	25	40
B - 97	20	35	70
B - 98	15	50	65
B - 99	15	30	60
B - 100	20	35	50
B - 101	20	35	50
B - 102	15	50	40
B - 103	20	40	45
B - 104	15	25	50
B - 105	15	25	55
B - 106	20	20	35
B - 107	20	35	60
B - 108	20	35	65
B - 109	15	35	70
B - 110	30	35	90
B - 111	30	25	50
B - 112	15	20	40
B - 113	60	15	45
B - 114	20	25	30
B - 115	10	25	25
B - 116	25	30	50
B - 117	20	35	40
B - 118	25	35	45
B - 119	70	35	60
B - 120	45	25	50
B - 121	20	30	40
B - 122	20	25	50
B - 123	25	25	40
B - 124	20	25	40
B - 125	15	35	70
B - 126	25	35	60
B - 127	25	25	40
B - 128	30	25	35
B - 129	15	25	30

continued

AQUITAINE COMPANY
OF CANADA LTD.

DATE: October 24, 1974

ANALYST: G. Leroy

SAMPLES: Soil samples

ASSAYS

<u>Sample Number</u>	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>
B - 130	15	20	35
B - 131	20	40	65
B - 132	15	30	60
B - 133	20	50	105
B - 134	15	25	55
B - 135	20	35	85
B - 136	25	50	115
B - 137	15	20	70
B - 138	35	15	80
B - 139	15	15	80
B - 140	15	10	60
B - 141	15	10	45
B - 142	20	10	120
B - 143	20	10	120
B - 144	60	25	85
B - 145	45	20	60
B - 146	115	25	170
B - 147	50	10	55
B - 148	30	25	70
B - 149	55	40	130
B - 150	30	40	65
B - 151	35	85	65
B - 152	30	25	50
B - 153	40	45	55
B - 154	45	30	30
B - 155	60	30	45
B - 156	35	40	40
B - 157	20	10	205
B - 158	20	10	80
B - 159	15	15	50
B - 160	15	20	25
B - 161	15	20	35
B - 162	15	25	25
B - 163	20	20	70
B - 164	15	10	50

continued

AQUITAINE COMPANY
OF CANADA LTD.

DATE: October 24, 1974

ANALYST: G. Leroy

SAMPLES: Soil samples

ASSAYS

<u>Sample Number</u>	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>
B - 165	20	15	50
N - 1	10	25	20
N - 2	10	40	40
N - 3	20	50	70
N - 4	20	35	35
N - 5	15	30	50
N - 6	15	35	60
N - 7	20	40	45
N - 8	15	30	35
N - 9	15	25	20
N - 10	10	20	30
N - 11	10	25	20
N - 12	20	25	25
N - 13	15	30	30
N - 14	15	30	25
N - 15	20	25	20
N - 16	15	20	20
N - 17	10	15	25
N - 18	10	25	20
N - 19	15	20	25
N - 20	15	20	25
N - 21	10	20	20
N - 22	10	15	25
N - 23	15	15	30
N - 24	15	25	35
N - 25	15	25	35
N - 26	25	20	35
N - 27	15	25	30
N - 28	15	25	30
N - 29	15	25	25
N - 30	15	20	25
N - 31	25	20	25
N - 32	15	20	25
N - 33	20	20	40

continued

AQUITAINE COMPANY
OF CANADA LTD.

DATE: October 24, 1974

ANALYST: G. Leroy

SAMPLES: Soil samples

ASSAYS

<u>Sample Number</u>	<u>Cu (ppm)</u>	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>
N - 34	20	25	35
N - 35	15	15	40
N - 36	15	20	25
N - 37	10	15	30
N - 38	15	15	25
N - 39	15	20	40
N - 40	10	20	25
N - 41	15	20	20
N - 42	90	25	40
N - 43	30	25	40
N - 44	25	15	20
N - 45	15	20	65
N - 46	20	25	35
N - 47	20	30	45
N - 48	15	25	45
N - 49	15	20	45
N - 50	20	25	30
N - 51	10	30	35
N - 52	20	55	50
N - 54	15	35	30
N - 55	15	45	330
N - 56	5	25	25
N - 57	15	20	250
N - 58	15	10	30
N - 59	25	25	30
N - 60	15	30	50
N - 61	15	30	70

Appendix IV

ANALYST CERTIFICATE

I, M. LEROY, do hereby certify that:

-I am a chemist residing at 64230 LESCAR (France).

-I am the holder of a chemistry diploma from the National Professional School of Henin-Lietard (France).

-I have been employed with Societe Nationale des Petroles d'Aquitaine in Pau (France) since 1965.

-I work as a chemist in special charge of assays done by electro-chemistry and atomic absorption spectrophotometry.

-I am temporarily working for Aquitaine Company of Canada Ltd., a subsidiary, and am doing their chemical analysis.

-The method I am using in assaying soil and stream sediments consists of:

- 1) One gram of sample is digested in 20 cc of concentrated nitric acid for a period of 1 hour. The sample is then taken slowly to dryness and re-dissolved in 10 cc concentrated nitric acid for a period of 10-15 minutes.
- 2) The solution is then transferred quantitatively to a 50 cc volumetric flask with distilled deionized water and allowed to cool to room temperature. The solution is then diluted to the 50 cc mark with water and agitated. After the appropriate dilutions of the above solution are made, the sample is then ready for analysis.
- 3) The analyses are performed on a Jarrel-Ash Model 800 atomic absorption spectrophotometer equipped with a double beam and digital read-out. The instrument has a direct concentration read-out feature which allows samples to be analysed in direct concentration after calibration with a set of four standard solutions containing

varying amounts of the same elements.

In the case of chip samples and mining core, the dosage is the same, only the method of sample preparation changes:

- 1) Chip samples and core are sawed, crushed and pulverized in a concentric ring pulverizer to a fine powder.
- 2) One gram of the sample is placed in a teflon beaker and digested with 10 cc of concentrated perchloric acid, 10 cc concentrated nitric acid and 10-15 cc of 40% hydrofluoric acid on a hot plate until the sample goes to dryness.
- 3) The sample is then re-dissolved in 10 cc of nitric acid and treated the same as a soil sample.

To carry out these analyses, I am using the facilities of Core Laboratories Canada Ltd., 6101 - 6th Street S.E., Calgary, Alberta, using space and equipment rented by Aquitaine Company of Canada Ltd.



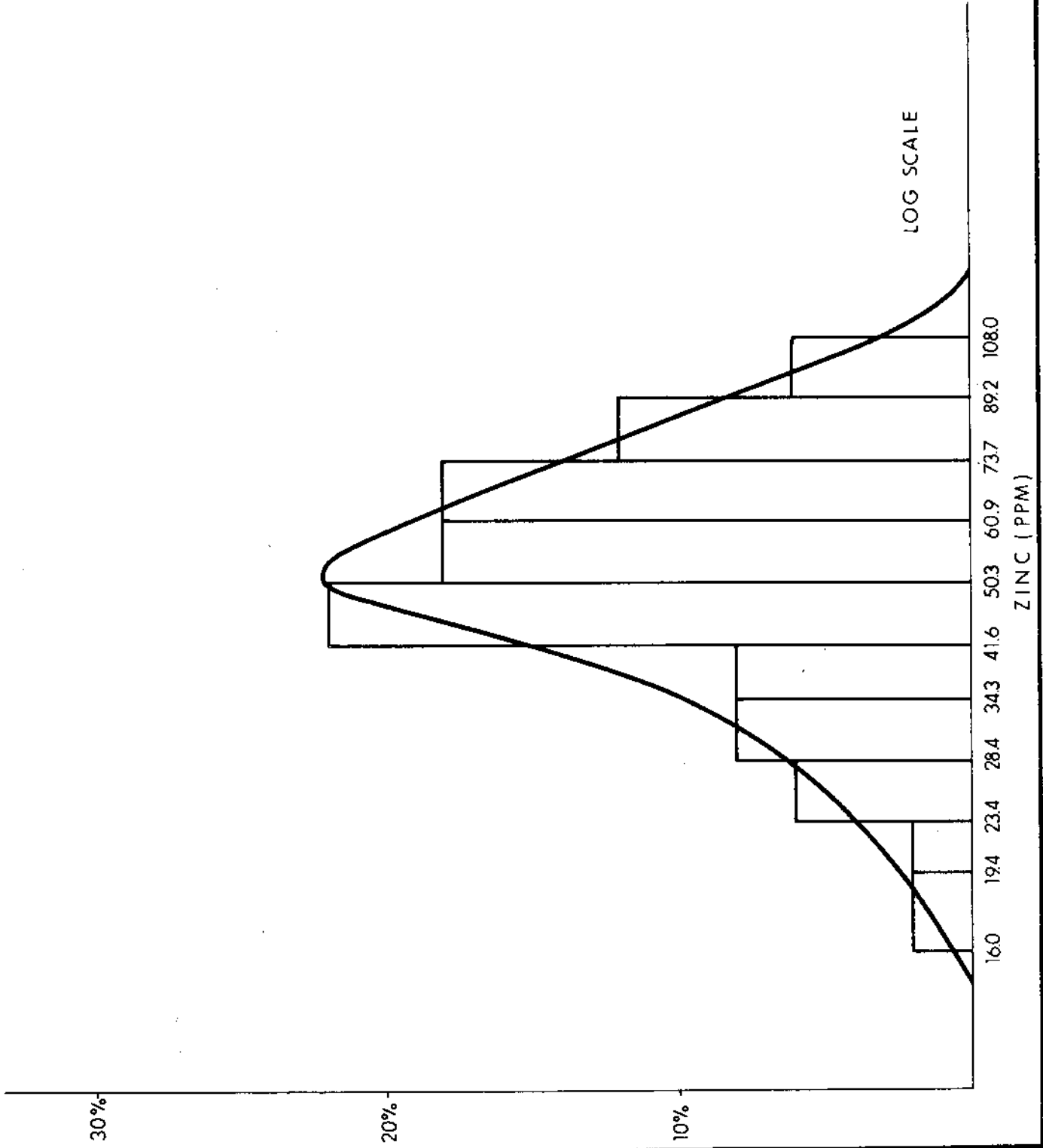
Gilbert Leroy

Appendix V

Histograms of Geochemical results.



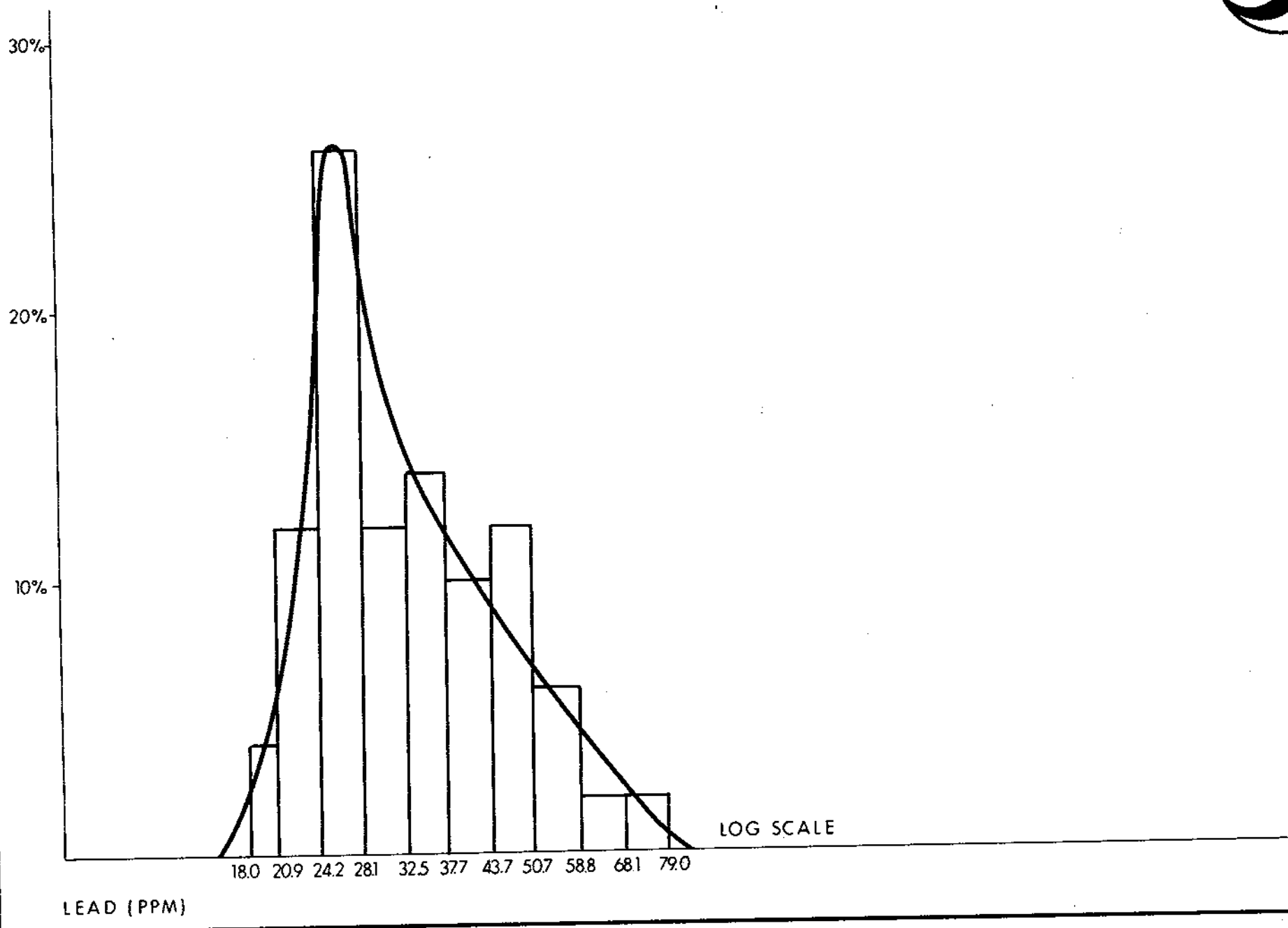
HISTOGRAM OF ZINC IN SOIL
TRI GROUP





AQUITAINE
COMPANY OF CANADA LTD

HISTOGRAM OF LEAD IN SOIL
TRI GROUP



LOG SCALE

LEAD (PPM)

Appendix VI

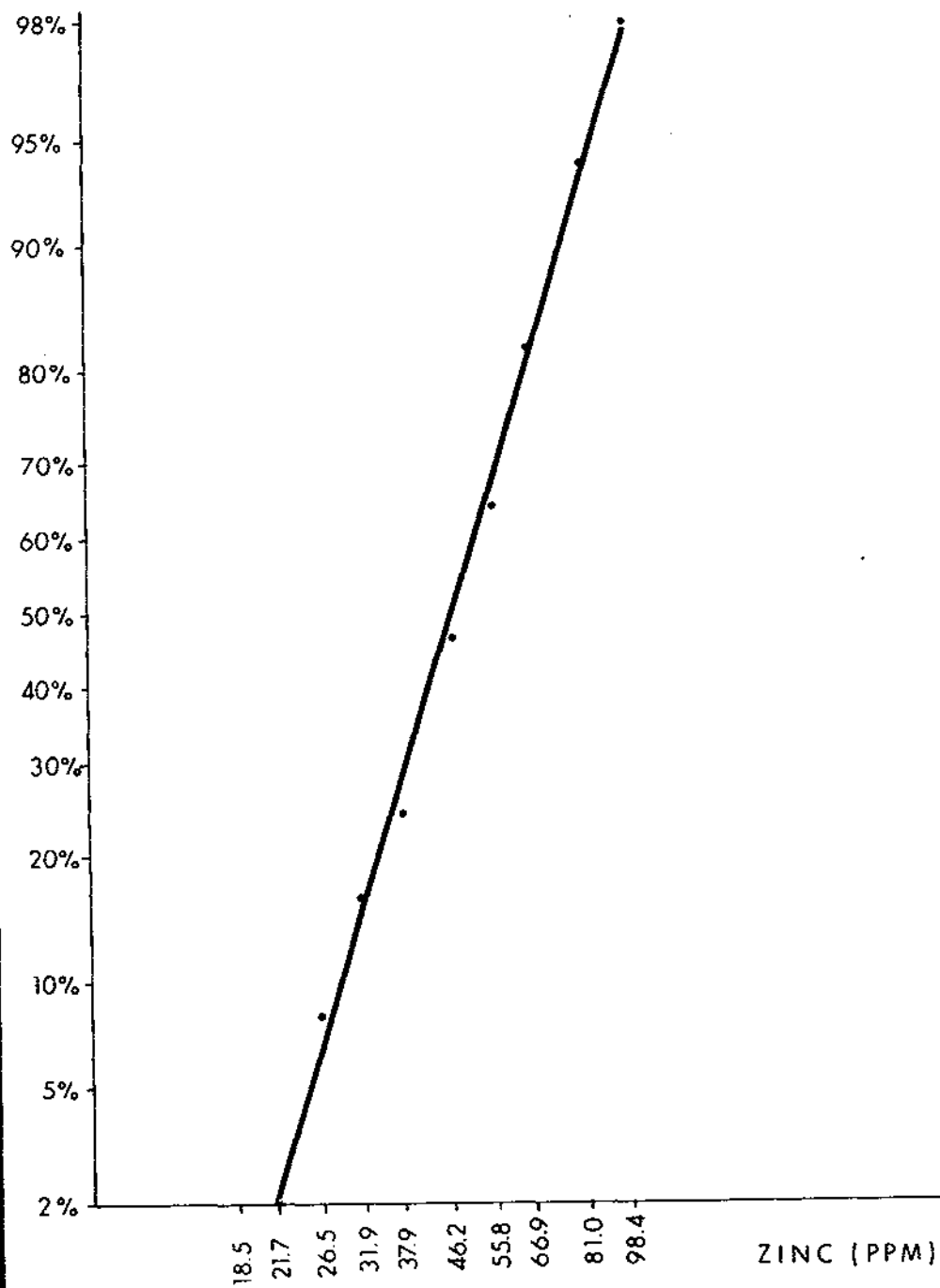
Plots on Log-Normal Probability Paper

of Geochemical Results



AQUITAINE
COMPANY OF CANADA LTD

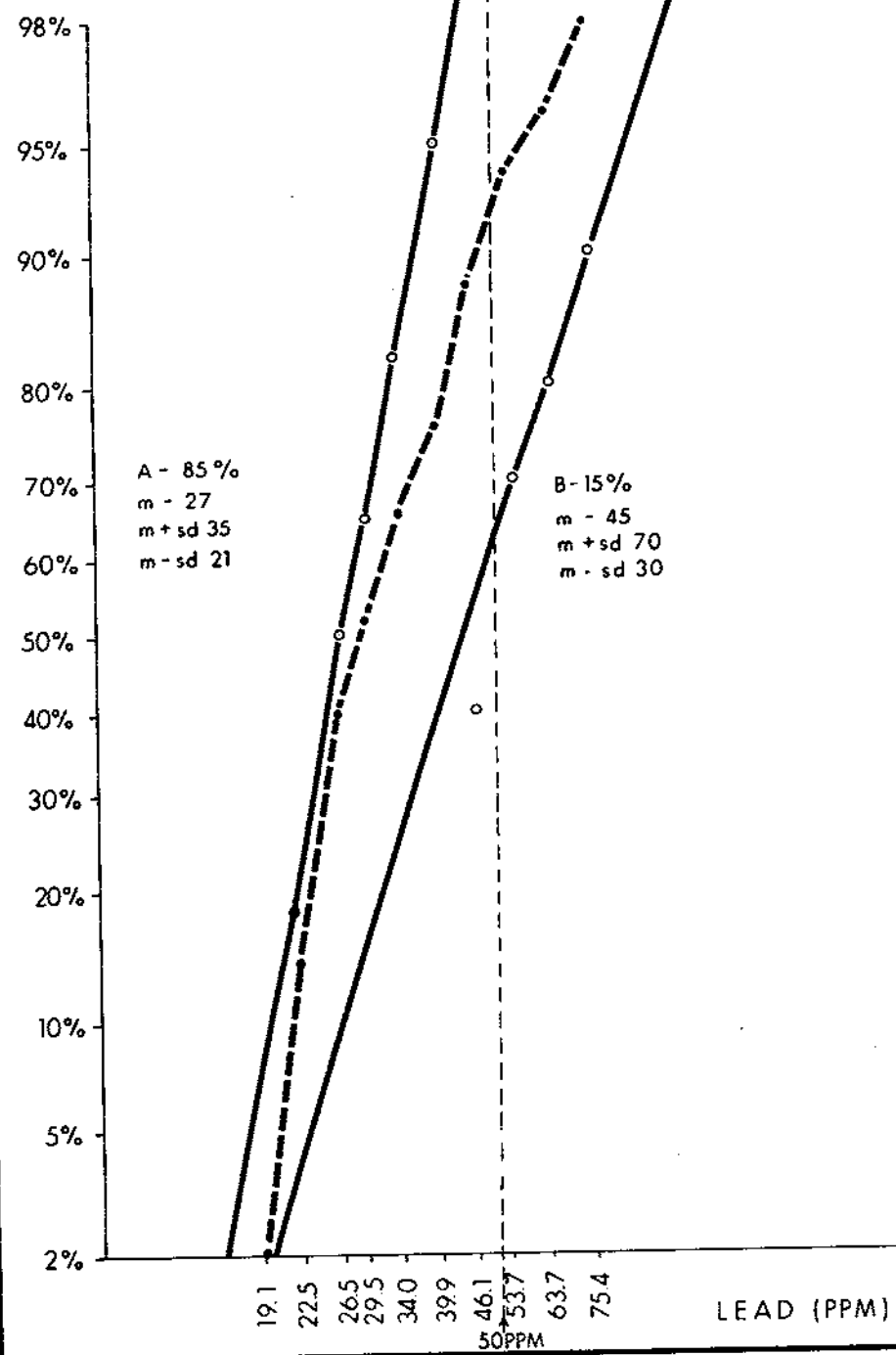
PLOT OF ZINC DISTRIBUTION IN SOILS
TRI GROUP





AQUITAINE
COMPANY OF CANADA LTD

PLOT OF LEAD DISTRIBUTION IN SOILS
TRI GROUP



Appendix VII

COST BREAKDOWN

Air Transportation	
Helicopter use	3,349.28
Fuel for helicopter	275.21
Airline transportation	437.50
Labour	
Field time (Wollex and A.C.C.)	2,460.00
Office time and report (Wollex and A.C.C.)	1,084.57
Expenditures	
Mob - demob - Wollex Camp	794.00
Camp and food - Wollex and Besa River	
Outfitters	1,400.00
Equipment and field supplies	461.89
Chemical Analysis - Loring Lab	1,151.25
- G. Leroy analyst.	498.75
	<hr/>
Total	11,912.45
Administration and Supervision @ 10%	1,191.24
	<hr/>
	13,103.69

Appendix VIII


CERTIFICATE

As provided under the "Mineral Act" Chapter 244, revised statutes of British Columbia, 1960, I, Hugues Salat, do hereby certify that:

1. I am a geologist residing at 4707 Charles Avenue S.W., Calgary, Alberta.
2. I was a graduate of the National Superior School of Geology (Nancy, France) and of the Earth Sciences Faculty (the University of Nancy, France) in 1965.
3. I have attended and worked as a research assistant at the University of Southern California (Hancock Foundation) from 1965 to 1967.
4. I worked as an exploration oil geologist for Societe Nationale des Petroles d'Aquitaine (France) from 1968 to 1969 and since then have been an exploration mining geologist with Aquitaine Company of Canada Ltd.
5. I personally directed and supervised the geological and geochemical programs concerning the KEI claims.
6. I am registered with the Association of Professional Engineers of the Province of British Columbia.



Expiry Date: September 9, 1968



H. Salat

APPENDIX IX

TRI Group of Mineral Claims
Description of Talus Reconnaissance Geochemical Samples

<u>Sample No.</u>	<u>Location</u>	<u>Remarks</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>
<u>F Series</u>					
F-153	North of Nordling Creek	Talus fines collected at 400' intervals at depth of 12" to 18"	15	35	20
154	"	"	15	35	25
155	"	"	15	20	25
156	"	"	10	25	20
157	"	"	30	20	125
158	"	"	20	40	50
159	"	"	70	90	160
160	"	"	65	30	130
161	"	"	45	15	220
162	"	"	20	30	70
163	"	"	15	30	60
164	"	"	20	25	55
165	"	"	10	20	40
166	"	"	10	30	20
167	"	"	20	25	10
168	"	"	10	25	10
169	"	"	10	30	10
170	"	"	10	25	15

<u>Sample No.</u>	<u>Location</u>	<u>Remarks</u>	<u>Cu.</u>	<u>Pb.</u>	<u>Zn</u>
SU-62	South of Nordling Creek	Talus fines collected at 400" intervals at depth of 12" to 18"	25	55	90
63	"	"	10	25	40
64	"	"	20	25	40
65	"	"	25	25	50
66	"	"	25	20	55
67	"	"	20	25	45
68	"	"	20	45	45
69	"	"	20	25	35
70	"	"	30	50	50
71	"	"	20	25	40
72	"	"	35	30	45
73	"	"	25	35	145
74	"	"	45	25	80
75	"	"	25	20	45
76	"	"	40	80	250
77	"	"	15	20	60
78	"	"	20	30	35
79	"	"	10	15	50

Sample
No.

Location

Remarks

Cu.

Pb.

Zn

Sample No.	Location	Remarks	Cu.	Pb.	Zn
-1	South of College Creek	Talus fines collected at 400' intervals at depth of 12" to 18"	10	25	270
2	"	"	10	15	35
3	"	"	10	30	40
4	"	"	10	20	20
5	"	"	10	20	35
6	"	"	30	20	35
7	"	"	25	15	35
8	"	"	15	20	35
9	"	"	15	20	30
10	"	"	15	25	40
11	"	"	20	15	245
12	"	"	15	15	95
13	"	"	25	10	120
14	"	"	20	20	75
15	"	"	15	20	30
16	"	"	15	15	45
17	"	"	5	10	20
18	"	"	10	10	50
19	"	"	10	20	260
20	"	"	10	25	330
21	"	"	10	25	280
22	"	"	10	20	170
23	"	"	10	25	15
24	"	"	15	25	15

Sample
No.

Location

Remarks

Cu.

Pb.

Zn

1
2
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North of College Creek

Talus fines collected at 400' intervals
at depth of 12" to 18"

Cu.	Pb.	Zn
25	110	70
20	135	50
10	50	30
15	20	40
20	40	25
15	35	30
20	40	15
15	50	15
15	30	15
20	45	35
15	45	20
20	50	25
25	40	190
20	65	50
25	45	35
30	25	20
20	50	25
25	35	145
25	40	70
20	30	125
35	40	20
25	30	25
25	25	15
20	50	25

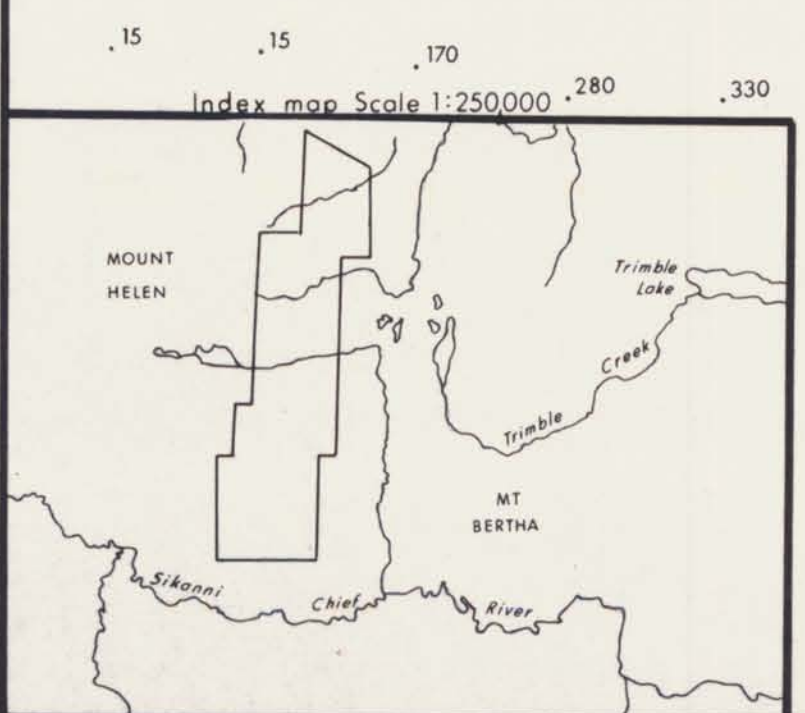
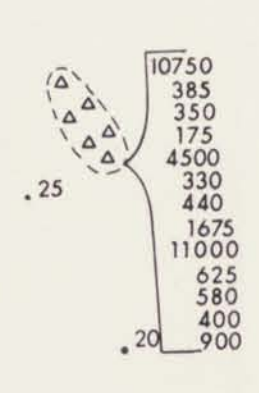
APPENDIX X

Description of Mineralized Grab Samples
Collected on Reconnaissance Geochem Sampling and
Prospecting Traverses and from the College Creek Pb-Zn and Cu Occurrences
TRI Groups of Mineral Claims

<u>Sample No.</u>	<u>Location</u>	<u>Remarks</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>
F-140	North Side of Nordling Creek	boulder, light grey to black angular microcrystalline l.s. fragments in vuggy calcite barite matrix that contains tr. disseminated ch and py.	1275	40	10750
141	"	Same as F-140	660	510	385
142	"	Boulder, black microcrystalline l.s. breccia, similiar to F-140, tr py, Cu stain and cc.	2750	75	350
143	"	Same as F-142 - no cc.	350	40	175
144	"	" " F-140	1115	45	4500
145	"	" " F-140 1% disseminated ch	3250	65	330
146	"	" " F-140 tr ch and ga	5000	200	440
147	"	" " F-140 ch 1% and tr associated ga	25000	11250	1675
148	"	" " F-140 tr Cu stain and ga	1380	75	11000
149	"	" " F-140 tr ga, ch 1% and associated tr black sp	2500	975	625
150	"	Same as F-140 tr ch and ga.	1120	275	580
151	"	" " F-140 tr ch and sp.	450	90	400
152	"	" " F-140 tr ch and ga.	340	1045	900
171	South Side of Nordling Creek	Boulder massive coarse grained Barite-calcite vein, tr disseminated ga.	235	7000	100000
172	"	Boudler, barite-calcite vein containing tr disseminated ga cutting silicified vuggy weathering l.s.	135	7000	8500
173	"	Boulder, same rock type as F-172, tr disseminated ga among barite-calcite vein contact.	190	8000	48000
174	"	Boulder, massive barite-calcite containing disseminated ga.	740	7250	131250

TRI

<u>Sample No.</u>	<u>Location</u>	<u>Remarks</u>	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>
F-175	South Side of Nordling Creek	Boulder, same as rock type as F-175, tr ga.	200	5000	46500
E1A	North Side of College Creek	Boulder, buff weathering microcrystalline fissile light grey dolomitic l.s., calcite part parallel to fissility containing tr blebs ga up to 1/4" diameter.	35	2375	75
N-53	Tri grid at 27N on Bas	Boulder, black fissile microcrystalline l.s. containing very fine disseminated metallics, possibly ga.	35	135	880
Tri #1	North Side of College Creek	Grab sample from main Pb-Zn occurrence, massive barite-calcite lense containing disseminated blebs of ga up to 1/4" diameter.	140	5000	56250
Tri #2, #3 and #4	North Side of College Creek	Grab samples from rock trench #2 located on Tri grid at 2N, 8 + 10W - dark grey, microcrystalline vuggy silicified reefoidal l.s. - abundant malachite and tr cc.	965 750 4500	50 100 45	215 500 140
U-15	South Side of Nordling Creek	Boulder, massive calcite-barite vein, tr disseminated ga	40	8000	5000
U-16	"	Boulder, calcite-barite stringer containing tr disseminated ga cutting microcrystalline black limestone	55	10500	475
U-17	"	Boulder, calcite-barite stringers containing tr disseminated ga., cutting light grey fine-grained vuggy weathering limestone	80	565	6500
U-18	"	Boulder, medium grey, vuggy, fine-grained quartzite containing tr disseminated cc and ma	19000	220	590



LEGEND

- Claims boundary
- .30 Sample location and Zinc value in ppm
- Location of mineralized main occurrence
- △ 8500 Location of mineralized boulders and its Zinc value in ppm

SOIL SAMPLING

- 80 Contouring (80 ppm level)
- Areas with zinc values between 80&100ppm
- Areas with zinc values between 100&120ppm
- Areas with zinc values over 120ppm

S407-B
MAP 3

FIG. 3

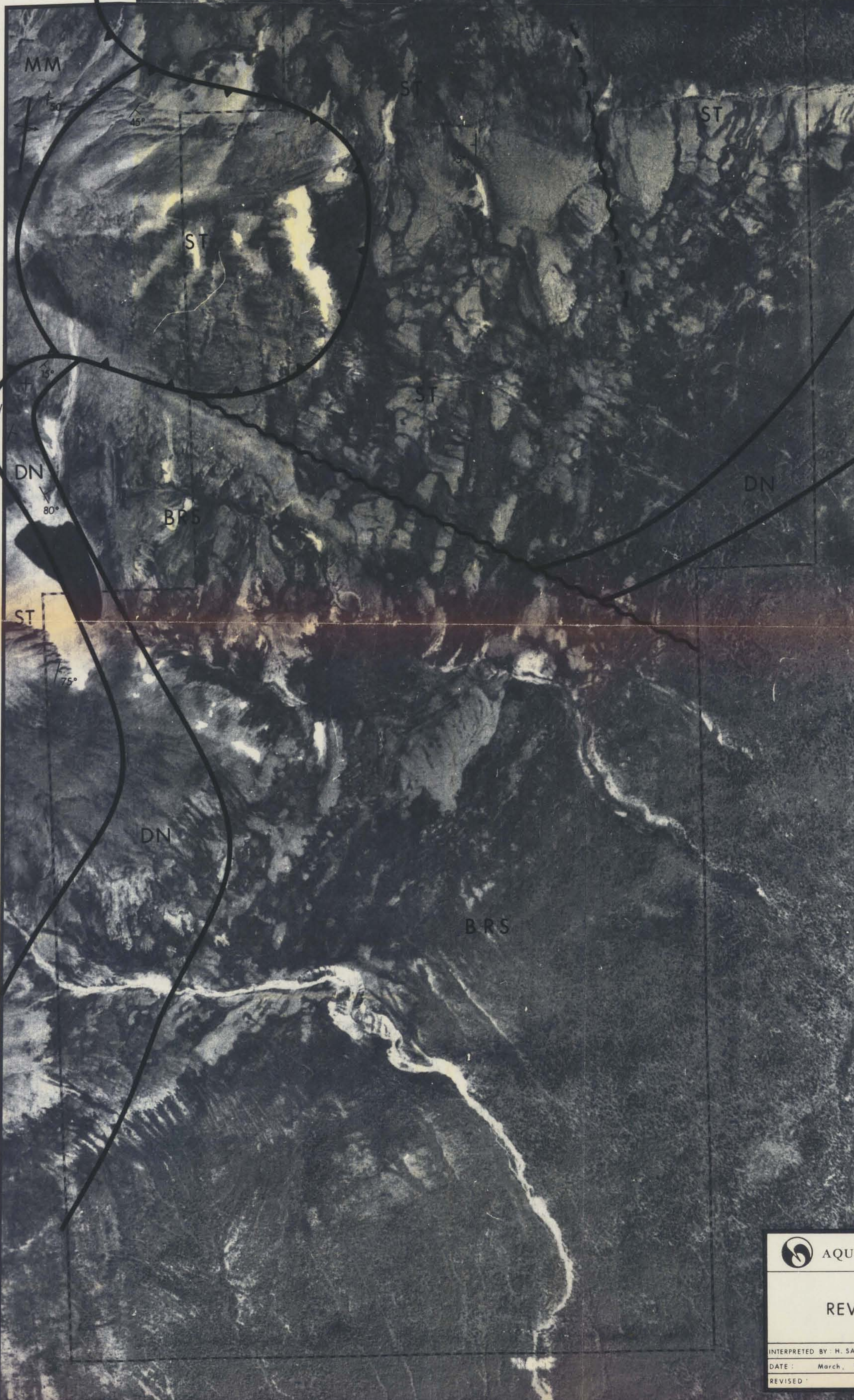
AQUILAINE COMPANY OF CANADA LTD.

**SOIL & TALUS FINE GEOCHEMISTRY
ZINC RESULTS IN PPM
TRI CLAIMS**

INTERPRETED BY: H. Salat	CONTOUR INTERVAL
DATE: March 1975	SCALE: 1:6000
REVISED:	FILE NO:

TO ACCOMPANY REPORT:
Geochemical and Exploratory surveys
TRI Claims
Redfern Lake area B.C.
March 10, 1975 H. Salat.

Department of
Mines and Petroleum Resources
ANNUAL REPORT
NO. 5407 MAP 3



LEGEND

- Anticline axis
- Syncline axis
- Claim group boundary
- Geological contour
- Dip of beds (Inclined, vertical)
- Thrust fault
- Fault (defined, assumed)
- BRS Besa River shale formation (Upper Devonian - Mississippian)
- DN Dunedin formation (Upper middle Devonian)
- ST Stone formation (Low middle Devonian)
- MM Muncho Mc Connell formation (Lower Devonian)

5407-B MAP 2

TO ACCOMPANY REPORT
 Geochemical and Exploratory Surveys
 TRI Claims
 Redfern Lake Area BC.
 March 10, 1975 H. Salat

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 5407 MAP 2
 Fig. 2

AQUITAINE COMPANY OF CANADA LTD.

TRI CLAIMS
 REVISED GEOLOGICAL MAP

INTERPRETED BY: H. SALAT	CONTOUR INTERVAL:
DATE: March, 1975	SCALE: 1:10,000 approx.
REVISED:	FILE NO.:

