

GOLDEN MINING DIVISION
Report on
GEOCHEMICAL SOIL SAMPLING SURVEY
and
DIAMOND CORE DRILLING
ME MINERAL CLAIM GROUP

NTS Location - 82KN/E ^{15 W}

Coordinates 50d 55'N - 116d 48'W

OPERATOR - Medesto Exploration Ltd.
CONSULTANTS - Brunswick Resources Ltd.
AUTHOR - M. Aileen Pelzer, P. Geol.

Date Technical Report Prepared - Nov. 4, 1977

Date This Report Submitted - April 28, 1978

MEDESTO EXPLORATION LTD.

Reg. Owner

November 4, 1977 by Brunswick Resources Ltd.

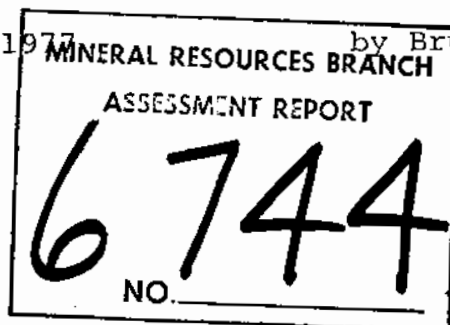


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Zinc in B-C Soil Zone

Surface Geology

INTRODUCTION

The purpose of this report is to summarize exploration results on the ME Claim Group during the years 1976 and 1977, to consolidate those results with previous information, and thus to present an up-to-date summary report on the property.

The ME Claim Group consists of forty claims located 52 miles south of Golden, B.C. some 20 miles due west of the now inactive Giant Mascot mine and adjoining the southern limit of the Ruth-Vermont mine, operated by Consolidated Columbia River Mines. The claims of the ME Group are registered in the name of Medesto Exploration Ltd., and have been explored by that company since 1974; they were originally staked by Mr. R. Renn of Calgary in 1966.

Press reports have credited the adjoining Ruth-Vermont mine, as of April 1972, with proven reserves of 290,000 tons grading 6.62 oz./ton silver, 4.78% lead and 5.65% zinc. Since that time the mine has operated sporadically, with major interruptions due to avalanche destruction of the mill, problems in mill operation, and, it would appear, considerable problems due to under-financing of the operation.

The ME Group is readily accessible via a good gravel road from Parsons, B.C. to the Ruth-Vermont mine. The ME property has a skid-shack bunkhouse, and cookhouse, and reasonably good four-wheel drive roads lead from this campsite to the central part of the property, reaching an elevation of some 6200 feet.

EXPLORATION HISTORY

As noted, these claims were staked by R. Renn in 1966, and were worked by him with financial support from a variety of sources until 1974. During this period considerable sums were expended on the property. There appears to have been only limited geological mapping or guidance of exploration; some biogeochemical work was performed, but location of same is uncertain. At least seven or eight diamond drill holes were drilled, but locations are uncertain and no cores or core descriptions are available. Core recovery with the small rig which Mr. Renn operated himself for much of the drilling was reportedly poor. Principal tangible results of the work performed during this period are the camp and the network of trails and trenches which in themselves must have entailed a considerable expense on the steep and well-treed slopes of the property. These trails and trenches have exposed the limited bedrock to be seen on the property, and have disclosed a number of surface showings.

The history of exploration since assumption of the property by Medesto Exploration has been:

1974:

Constructed a 2600 foot main baseline oriented N 40°W through the then-known main surface showings. Collected soil samples for geochemical analysis at 25 ft. intervals along some 21,000 ft. of survey lines normal to the baseline and located 200 ft. apart. Mapped the surface geology for approximately 1000 ft. either side of the main baseline.

Exploration History(continued):

1975:

Using a small portable rig and Company personnel, completed three diamond drill holes for a total of 215 ft; a fourth hole was abandoned in gravel at 50 ft.. Core recovery in these small-diameter holes was poor, but significant mineralization was encountered in one of the three holes which reached bedrock.

1976:

Conducted road building to a planned future drillsite and bulldozer trenching at two principal locations, both of which disclosed new surface showings.

1977:

Completed road building and drillsite preparations for new drilling. Contracted the drilling of two diamond drill holes for a total of 331 ft., with excellent recovery of large-diameter core; one hole encountered 16 ft. of ore-grade material. Established a secondary base line 900 ft. west of the main base line, and conducted soil geochemical surveys covering some 6,000 ft. of survey line. Conducted limited hand trenching in critical areas, disclosing two new surface showings, one of which shows ore-grade material over a 24 ft. width.

GEOLOGY

The ME Group is underlain by the Horsethief Creek Series of late Precambrian age. The series includes slatey argillites, phyllites, quartzites, limestones, and pebble-bearing conglomerates. These rock types occur in roughly the above-listed order of abundance on the property.

Mapping indicates a series of folds striking approximately $N40^{\circ}W$, and drilling results suggest that these folds are accompanied by faulting and may in fact be drag folds subsidiary to faulting. Folding and faulting are superimposed on an overall regional dip which averages some 40° to the southwest. No dominant regional plunge can be discerned on the folds.

Galena and sphalerite are the principal ore minerals, with the sphalerite often being very difficult to spot in the dark host rock. Tetrahedrite is evidenced by minor copper bloom in places, and Stibnite was suspected in one vein and confirmed by a rather spectacular assay of 15% antimony on one character sample. Future assays should include requests for checks on antimony. It should be noted that the Galena occurs in both its typical coarse cubic habit, often associated with calcite and/or quartz, and in a fine-grained steely form which shows evidence of replacement characteristics in hand samples, i.e. grading from massive to disseminated in the host rock.

The orebody of the Ruth-Vermont mine, about $1\frac{1}{2}$ miles to the north of the ME Group showings, is located on the southwest limb of a synclinal fold which exhibits gentle south plunge. The orebody consists of two or more prominent veins which dip steeply to the southwest, and which appear to "mushroom" into a manto or replacement orebody where they intersect the 50 ft. thick Ruth-Vermont limestone. The bulk of the reserves are in this replacement zone.

Geology(continued)

Although the Ruth-Vermont occurrence suggests limestone as the most favourable host lithology, this is not necessarily so to the exclusion of other lithologies. The 16 ft. thick ore zone encountered in DDH # 3-76 appears to occur as a partial replacement of quartzite. Moreover, float has been observed on the property which consists of well-mineralized conglomerate, in which the matrix has been completely replaced by galena and sphalerite- this potentially important occurrence has yet to be found in place. Moreover, it should be considered that the Horsethief Creek Series is not too dissimilar to the Aldridge Formation at the Sullivan mine, Kimberley, B.C., where an argillite appears to have been the host for massive sulphide replacement.

Geological mapping of the ME Group is considered to be inadequate at the present time. No attention has been given at this point to mapping near and above timber line, where outcrop is more plentiful. Below timber line, outcrop is limited to some 5% of the surface area, primarily in road cuts and trenches. Even here the slaty and/or phyllitic cleavage is often so intense as to completely obscure bedding. It is not presently known, therefore, which if any of the several synclinal axes connect to the Ruth-Vermont syncline, or whether the limestone zone observed on the property is the correlative of the Ruth-Vermont limestone. It is possible that these are, however, less important considerations than they were once thought to be. Evidence is building that there are several potential ore-controlling features on the property which are remarkably similar to that of the Ruth-Vermont.

SOIL GEOCHEMICAL SURVEY

The soil profile on the ME Group is relatively simple. A thin "A1" zone (3" - 6") is underlain by an equally thin or thinner light grey to almost white "A2" zone, and this rests on what may be described as a "B-C" Zone of light brown to reddish brown sandy clay which is almost always admixed with fragments of weathered bedrock. Since the profile of Crystal Creek is decidedly U-shaped, with tributary hanging valleys cut off at an elevation of 7000 ft., it must be assumed that the soil profile is post-glacial and was developed on a scoured bedrock surface.

As indicated previously, more than 26,000 feet of geochemical survey line have been run, covering an area of some 3000 x 3000 ft. in the central portion of the claim block. Soil samples were selected from the "B-C" soil zone at 25 ft. station intervals along each line, placed in heavy kraft paper bags, and submitted to Loring Laboratories Ltd. of Calgary for analysis.

Treatment of the samples by Loring Laboratories consisted of thorough drying, sieving of the sample to minus 80 mesh, and selection of a 500 mg. portion for analysis. Digestion was in hot aqua regia for 2½ hours, and subsequent analysis by atomic absorption spectrometry, with appropriate standards.

The appendix map "Lead in B-C Soil Zone" illustrates the results for that element. Non-anomalous areas show an average background of 35 ppm., with little apparent variation from east to west or in the slope direction. Anomalous values have been contoured at values of 100 ppm., 200 ppm., 400 ppm., 800 ppm., which represent approximately 2,5,10 and 20 times average background value. It is felt that values of

Soil Geochemical Survey(continued)

more than 200 ppm. (6 times average background) are sufficiently anomalous to merit investigation, and in fact surface showings are known which are in close proximity to lower values (e.g. Station 1600 S 350E at 140 ppm. is very close to the "Creek showing" of massive galena.) Within each of the major anomalous areas, values in excess of 40 times background are reached, with a maximum value (Station 200N, 225W) of 26,500 ppm. or 2.6%, equivalent to 755 times background.

The appended map "Zinc in B-C Soil Zone" illustrates distribution of that element. Average background is 80 ppm., again with little apparent regional variation across the surveyed area. Anomalous areas are contoured at 200 ppm., 400 ppm., 800 ppm., and 1600 ppm., representing approximately 2,5,10 and 20 times average background value. Again, it is felt that values in excess of 5 times background are of potential interest. Maximum concentration of 12, 675 ppm. or 1.2%, equivalent to 158 times average background, is at the same Station (200 N, 225 W) as the maximum lead concentration. Within the anomalous areas, the higher values seldom exceed more than 25 times background, i.e. the anomalies are less anomalous for zinc than for lead, relative to background.

The principal geochemical anomalies are lettered on the "Lead" map, on which known mineralized zones are also shown. Anomaly "A" has a length of 500 ft., and is open at the north end. The strike of N 85° W is unusual for the area. The anomaly is framed by coincidentally anomalous stations for both lead and zinc. Associated bedrock mineralization has been encountered in DDH # 1-75 and in a surface trench at 750 N, 175 E (See assays in Appendix.)

Soil Geochemical Survey (continued)

Anomaly "B" has been divided into two sectors, "B1" and "B2". On "B1" the anomaly is framed by essentially coincident anomalous stations for both lead and zinc. On "B2", the anomalous zinc values appear to be offset to the east relative to lead. Each of the "B1" and "B2" sectors has had one diamond drill hole evaluation. Hole # 2-75, on anomaly "B1", encountered no mineralization, but had to be abandoned at 60 ft. when the drillstem became permanently lodged in the hole. Hole # 3-75, on anomaly "B2", was drilled to 85 ft. with poor core recovery, and also encountered no mineralization, although cuttings assays showed a possible mineralization section. Of more import, however, trenching to the east of the westerly-directed hole during the 1977 season disclosed good surface showings, suggesting that this hole should have been directed to the east.

Anomaly "C" has a length of 1000 ft. and is open to the south. Anomalous points for lead and zinc are largely coincident, although the zinc anomaly is somewhat wider than the lead anomaly at the south end. D.D.H. # 3-77 and a good surface showing disclosed by trenching during the 1977 season give impressive evidence of strong mineralization associated with this anomaly. (See Appendix for assays.)

Anomaly "D", to the west of "C" is also divided into two sectors, "D" and "D2". Anomalous lead and zinc values are in general correspondence, with some tendency of the zinc values to shift to the east, particularly near the south end. No drilling has been done on this anomaly and there is no surface exposure, so that there is as yet no evidence of associated bedrock mineralization.

INTERPRETATION OF DRILLING RESULTS

"A" Anomaly

Hole # 1-75 was drilled at 970 N, 40E at an azimuth of N15E and an inclination of -45° to intersect geochemical anomaly "A". The hole was drilled with a small rig cutting 15/16 inch core to a depth of 70 ft.. Core recovery from 0 to 42 was fragmentary, consisting of highly sheared phyllite from 0 to 37 and limestone from 37 to 42 ft.. At 42 ft. the hole entered massive limestone which gave good core recovery; the top 8 ft. of this limestone was mineralized with disseminated galena and sphalerite plus narrow veinlets of the same minerals, and the 7 ft. of recovered core gave weighted assay values of 2.42 oz./ton silver, 2.17% lead and 5.62% zinc. It should be noted that the interval 32 to 42 ft. above this zone yielded total core recovery of only $7\frac{1}{2}$ inches, so that the mineralized zone may not be fully represented in the core.

During 1976 a bulldozer trench was attempted at a point 200 ft. to the south of and downhill from Hole # 1-75. In-place bedrock was not reached, but a highly gossanized and sheared rubble was exposed which showed evidence of mineralization. A composite sample of this rusty rubble over an 18 ft. width assayed 2.80 oz. / ton silver, 3.17% lead and 1.05% zinc. It is believed that this zone correlates with the ore intersection in Hole # 1-75, and confirms lateral continuity of some 200 feet.

Hole # 1-77 was drilled at 970 N, 10 E at a azimuth N15E and inclination of -60° , with the intent of confirming the Hole # 1-75 intersection at depth. The hole was drilled in "H" diameter with excellent recovery,

"A" Anomaly (continued)

but at 112-116 ft. recovery deteriorated and serious jamming of drill pipe forced discontinuance of the hole. Neither the ore zone nor the major limestone unit of Hole # 1-75 were encountered as expected, and a long section of dips parallel to or at a very low angle to the core axis indicated that the hole had encountered essentially east-dipping beds.

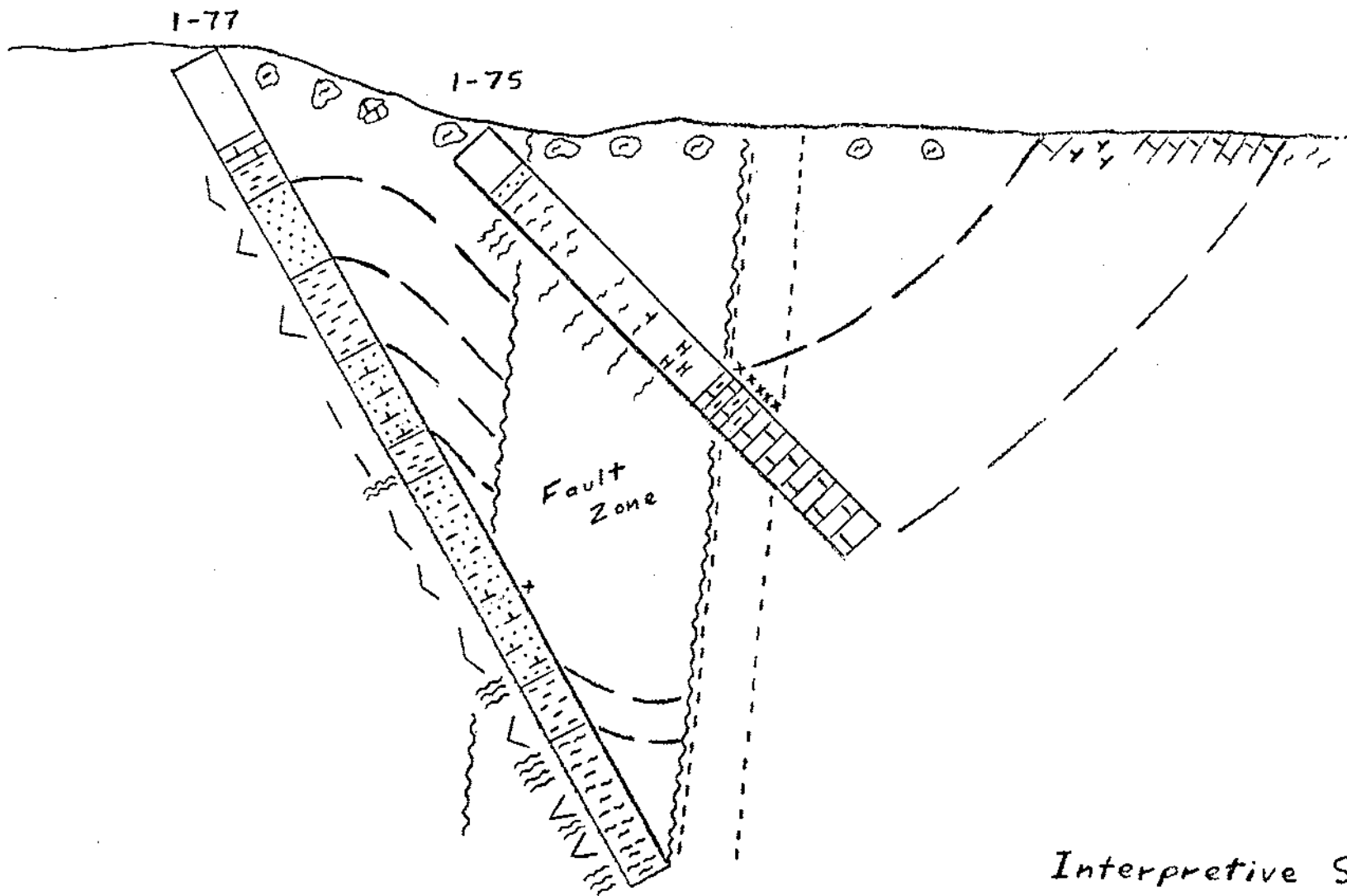
An interpretive section of Holes # 1-75 and # 1-77 is appended.

It would appear that the ore-controlling feature is a steeply west-dipping fault near the axis of a syncline. Mineralization is concentrated near the footwall of the fault, and would have a true width of 7 ft. for the assayed section in Hole # 1-75. The fragmented recovery of white vein quartz in the last 4 ft. of Hole # 1-77 may indicate proximity to the ore zone.

"B" Anomaly

Hole # 2-75 was located at 260 N, 250 W, directed to an azimuth of $N70^{\circ}E$ at a declination of -45° to intersect geochemical anomaly "B". The hole was abandoned at 60 ft. when drillstem lodged in the hole. Recovery of 15/16 inch core was poor, but no mineralization was observed and cuttings analyses from 27 ft. to total depth gave no anomalous results. It is felt that this hole should be re-drilled with "H" diameter hole and extended to 100 ft..

Hole # 3-75 was drilled at 375S, 100W to azimuth $S50^{\circ}W$ and at a declination of -45° to intersect geochemical anomaly "B2". The hole was directed westerly because of local east dips at surface. No mineralization



- II Limestone
- ::: Quartzite
- Argillite
- ~ Phyllite
- }} Shear zone
- xx Mineralization

Interpretive Section
Holes # 1-75 and 1-77

Scale 1" = 20'

"B" Anomaly (continued)

was observed in the 15/16 inch core, but cuttings analyses below 47 ft. were decidedly anomalous, reaching a level of over 3% lead and 7% zinc. The anomalous values appear best related to some vein quartz at 43 ft.

Of major significance to the interpretation of Hole # 3-75 was the discovery, by hand trenching during 1977, of surface mineralization to the east of the collar of the hole. A series of chip samples across a 45½ ft. interval yielded assay values as high as 5.16 oz./ton silver, 6.61% lead, and 4.84% zinc.

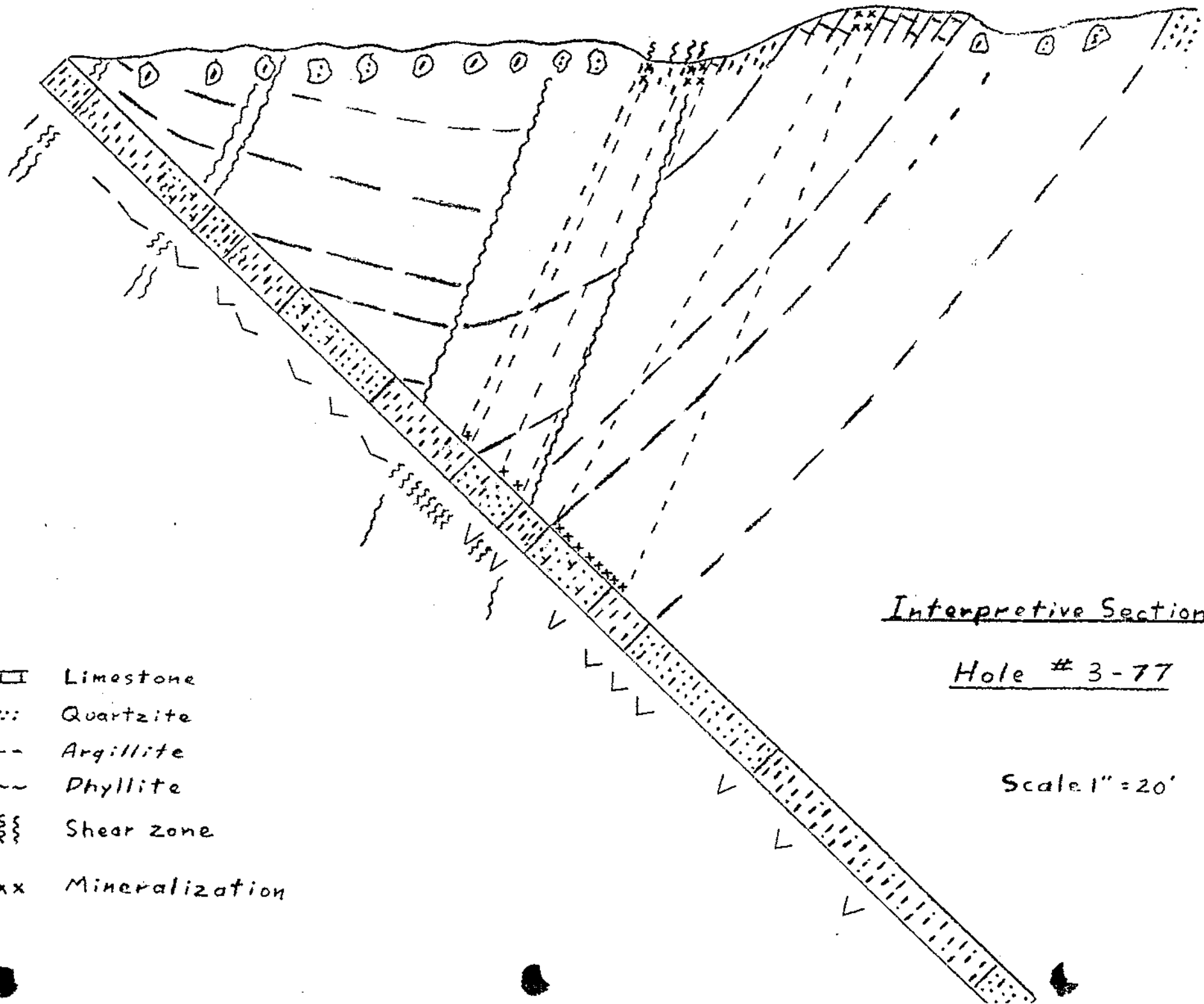
It is quite apparent that another hole should be drilled at the location of # 3-75, directed to the east.

Anomaly "C"

Initial attempt to drill geochemical anomaly "C" was from a location at 800S, 875W, in 1975. This hole failed to reach bedrock at 50 ft., and had to be abandoned.

During 1976 and early 1977 a road was prepared along 600S to reach a drillsite on the west side of anomaly "C". In the course of road preparation, three new zones of surface mineralization were encountered. In the order found, from east to west, these were designated "C-1", "C-2", and "C-3" zones, with widths of 3.0 ft. 3.5 ft. and 0.5 ft. respectively.

Hole # 3-77 was drilled from 560S, 875W directed toward N50E at an angle of -45° . The hole was drilled in "H" diameter to 158 ft. and extended to 215 ft. in "BQ" diameter. Three mineralization zones were encountered, which are correlated to surface zones "C-3", "C-2" and "C-1", as shown in the accompanying interpretative cross-section. The "C-1" zone has blossomed



Interpretive Section

Hole # 3-77

Scale 1" = 20'

- ▤ Limestone
- ∴ Quartzite
- Argillite
- ~~ Phyllite
- ⋈ Shear zone
- xx Mineralization

Anomaly "C" (continued)

to a 16 ft. width (true width 14½ ft.) averaging 3.39 oz./ton silver, 3.43% lead and 8.61% zinc. Interestingly enough, however, a 20 ft. thick limestone outcropping to the east of the hole was not encountered, strong shearing was observed at 80 to 105 feet, and above this zone bedding dips were parallel to or at low angle to the core axis again point to an interpretation of east dip. Again, therefore, there is a strong inference from the data at hand of a faulted syncline as the ore-controlling structure, again with the strongest mineralization in the footwall of the fault.

Following the drilling of Hole # 3-77, hand trenching was attempted 50 ft. to the south of 600S, i.e. 80 ft. to the south of the track of the hole. This trenching disclosed mineralization over a width of some 31 ft., from which crude channel samples indicate a 24 ft. width of ore-grade with weighted average grade of 4.7 oz./ton silver, 4.8% lead, and 5.4% zinc. This surface occurrence is believed to correlate with the "C-1" zone and with the lowermost intersection in Hole # 3-77, indicating a zone which is widening to the south and at depth.

RECOMMENDED ADDITIONAL WORK

Results of work performed to date are considered to be most encouraging in demonstrating that soil geochemical anomalies disclosed by surveys covering only a small segment of the property have, in two out of three instances been demonstrated by drilling and trenching to be associated with ore-grade mineralization of good width and some lateral continuity. Further drilling to extend the indicated continuity is obviously required, and it is clear that an extension of the soil geochemical work to other areas of the property is amply justified.

The following total work program for the property is recommended:

A.) Geological Mapping and Prospecting

As already indicated, geological mapping badly needs to be extended into the area above treeline, where outcrop is more general. Several east-west traverses below treeline would also be desirable to pick up spot outcrops. At the same time, detailed prospecting of the trend of the conglomerate zone, particularly to the west of the main baseline should be done to see if the mineralization which has been observed as float in this unit can be located in place.

Cost of this recommended work program is estimated to be:

Geologist time 7 days @ \$250	=	\$ 1750
Assistant time 7 days @ \$100	=	700
Travel and subsistence	=	1000
Propsecting, 2 men 7 days @ \$100	=	1400
Travel and subsistence	=	1000
Assays, miscellaneous	=	<u>500</u>
		\$6,350

B.) Geochemical Surveys

Geochemical anomalies "C" and "D" are both open at the south end and appear in fact to be widening in that direction. It is recommended that the secondary baseline at 900 W be extended to the south across Crystal Creek, for a distance of 2100 ft.. A silt geochemical survey of the creek bed should be performed, and a grid of soil geochemical survey lines should be extended 800 ft. either side of the baseline to check for extensions of "C" and "D" anomalies.

Cost of this recommended program is estimated to be:

Extending baseline 4 man days @ \$ 100	=	\$ 400
Collecting stream silt, 2 man days @ \$ 100	=	200
Collecting soil samples, 10,000 ft. of survey line;		
10 man days @ \$100	=	1000
Travel and subsistence	=	1500
Analysing samples 475 @ \$2	=	950
Supplies and contingency	=	<u>500</u>
		\$ 4,550

C.) Drilling

Additional drilling on the existing geochemical anomalies appears amply justified, as follows:

<u>Anomaly</u>	<u>Hole Location</u>	<u>Direction</u>	<u>Depth</u>
"A"	970N, 60E	N15E	50'
"A"	730N, 140E	N15E	200'
"A"	600N, 350E	N15E	200'
"B1"	260N, 250W	N70E	100'
"B2"	400S, 230W	N50E	250'
"C"	200S, 750W	N50E	150'
"C"	400S, 800W	N50E	200'

C.) Drilling(continued)

<u>Anomaly</u>	<u>Hole Location</u>	<u>Direction</u>	<u>Depth</u>
"C"	800S, 975W	N50E	300'
"D1"	200S, 102SW	N50E	150'
"D2"	900S, 1175W	N50E	200'
		TOTAL	<u>1800'</u>

Cost estimate for this program is estimated as follows:

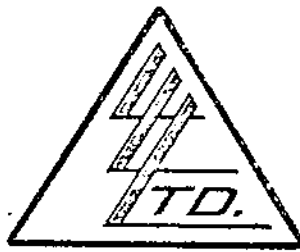
Preparation of roads and drillsites	=	\$ 6,000
Drilling, "H" and "BQ" hole 1800 @ \$25	=	45,000
Travel and camp maintenance	=	7,500
Assays and misc. supplies	=	1,000
Auxiliary vehicle	=	1,000
		<hr/>
TOTAL	=	\$ 60,500

Total estimate of all three recommended programs is therefore \$71,400 to which should be added a contingency factor of 10% for a total allowance of some \$78,500.

It should be emphasized that experience to date indicates that all hole should be drilled as "H" or "BQ" diameter- not only is recovery with large diameter core far superior, but bedding attitudes and fault zones are far more clearly discernable and sampling of mineralized zones is volumetrically far superior.

APPENDIX I - ASSAYS

To: MEDESTO EXPLORATIONS,
 215 A-10th St. N.W.,
 CALGARY, Alberta.



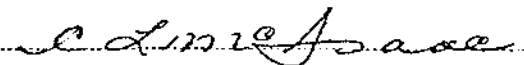
File No. 10568
 Date October 1, 1975
 Samples Cores

ATTN: Mr. G. Evans

Certificate of
 ASSAY OF
 LORING LABORATORIES LTD.
 "A" Anomaly

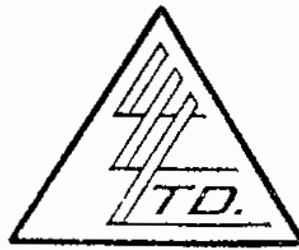
SAMPLE No.	OZ./TON SILVER	Pb	Zn
<u>Hole # 1-75</u>			
<u>CORE SAMPLES</u>			
ME-C1 42-45'	3.31	2.81	7.66
ME-C2 46-50'	1.75	1.69	4.10
Weighted Av.	2.42	2.17	5.62
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>			

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


 Licensed Assayer of British Columbia

TO: MEDESTO EXPLORATIONS,
215 A-10th St. N.W.,
Calgary, Alberta

ATTN: Mr. Dales



File No. 12399
Date November 24, 1976
Samples Chip

Certificate of
ASSAY of
LORING LABORATORIES LTD.

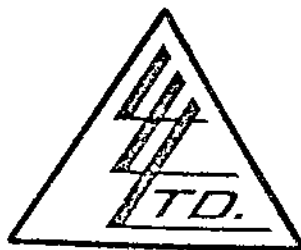
"A" Anomaly

SAMPLE No.	OZ./TON SILVER	% Pb	% Zn	% Cu
<u>"Chip Samples"</u>				
ME-800N-76				
ME-800N-76	2.80	3.17	1.05	-
Trench @ 750N, 150E ; Composite sample across 18 ft. in gossan zone.				
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: MEDESTO EXPLORATIONS,
215A-10th St. N.W.,
Calgary, Alta.



File No. 14053
Date September 14, 1977
Samples Chips

ATTN: Mr. Dales

Certificate of
ASSAY OF
LORING LABORATORIES LTD.

Page # 1

"B₂" Anomaly

SAMPLE No.	OZ./TON	%	%
	SILVER	Pb	Zn
Hole 3-75			
3'-6"	1.12	1.47	1.10
3'6"-7'	4.02	3.30	3.03
7'-11'3"	.18	.10	.08
11'3"-18'	1.06	1.22	3.19
18'-23'	5.16	6.61	4.84
23'-31'	6.8	.82	.38
31'-40'	.18	.15	.26
40'-44'	2.36	3.30	5.48
44'-45'6"	1.62	1.64	1.51

Series of chip samples on Line 400 S to east
of collar of D.D.H. #3-75

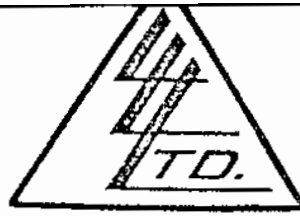
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.

Pulps Retained one month
unless specific arrangements
made in advance.

Edm. J. Dale

To: MEDESTO EXPLORATIONS,
 215A - 10th Street N.W.,
 Calgary, Alberta



File No. 13813
 Date August 15, 1977
 Samples Core

ATTN: Mr. Dales

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

"C" Anomaly

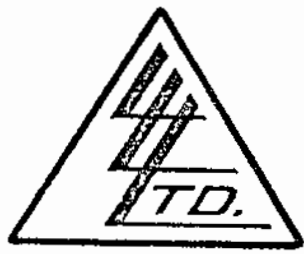
SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Pb	% Zn	% Sb	% Sn
<i>Hole # 3-77</i>						
<u>"Core Samples"</u>						
#1 3-77-2 Ft.	.020	Trace	.08	.09	.23	.01
#2 107-6-109'	.040	2.44	3.50	7.36	.15	Trace
#3 109-111'	.060	2.00	1.54	3.74	.20	Trace
#4 111-113'	.050	6.14	1.59	7.70	.30	Trace
#5 113-115'	.060	4.74	5.02	8.72	.66	.04
#6 115-117'	.040	3.80	4.20	8.33	.35	.01
#7 117-119'	.040	2.44	3.15	9.74	.23	.02
#8 119-121'	.040	2.16	2.93	10.98	.20	.04
#9 121-123'	.040	3.40	5.50	12.30	.26	.07
<i>Average 107'6" - 123'</i>		3.39	3.43	8.61	.32	
<i>D.D.H. #3-77</i>						
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES						

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

e d m a a d e
 Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS,
 215A-10th St., N.W.,
 Calgary, Alta.

File No. 14053
 Date September 14, 1977
 Samples Chips



Certificate of
ASSAY of
LORING LABORATORIES LTD.

ATTN: Mr. Dales

Page # 1

"C" Anomaly

SAMPLE No.	OZ./TON SILVER	% Pb	% Zn
------------	-------------------	---------	---------

Chip samples across trench @ 6505, 800 W

Trench 505 (50' South of 6005)

0'-7'	6.20	3.60	6.85
7'-13'	2.78	3.01	5.10
13'-19'6"	5.94	8.82	5.65
19'6" -24'	3.30	3.61	3.10
24'-28'	2.22	.95	1.93
28'-31'6"	.86	.92	.80

} 4.7 } 4.8 } 5.4

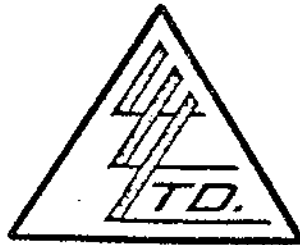
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

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

Edm. J. Dales

Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS,
 215 A-10th St. N.W.,
 Calgary, Alberta



File No. 11922
 Date August 30, 1976
 Samples Chips

ATTN: Mr. Dales

Certificate of
 ASSAY OF
 LORING LABORATORIES LTD.

"C" Anomaly - "C-1 Zone"

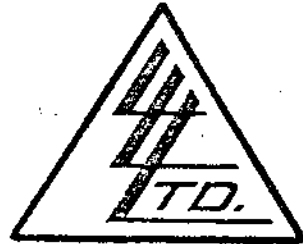
SAMPLE No.	OZ./TON SILVER	% Pb	% Zn
<p><u>"Chip Samples"</u></p> <p>Channel 1-76</p> <p>S-1-76</p>	7.50	20.06	4.18
	21.24	59.47	0.80
	<p>Channel 1-76 across 3 ft. vein disclosed by road building @ 600S 675W</p> <p>S-1-76 character sample of massive galena from same vein.</p> <p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>		

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

C. McJannet
 Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS,
 215 A-10th Street N.W.,
 Calgary, Alberta

ATTN: Mr. Dales



File No. 13213
 Date May 18, 1977
 Samples Chips
 1-76-800 S 675 W,
 C-2 + C-3 - 25' west
 first vein in
 anomaly 'C'

Certificate of
 ASSAY of

LORING LABORATORIES LTD.

"C" Anomaly - "C-2" and "C-3" Zones

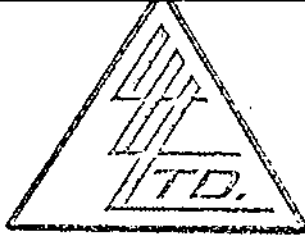
SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Pb	% Zn	% Sb
<u>"Chip Samples"</u>					
3'6" G-2-77 Channel	.160	6.76	20.27	.90	-
6" G-3-77 Channel	Trace	.52	.61	6.43	-
3'6" C-4-77 Character	.080	19.02	58.12	.11	15.01
<p>C-2 = Chip samples across 3'6" zone on Line 600S @ 695W</p> <p>C-3 = Chip samples across 6" zone on Line 600S @ 705W</p> <p>C-4 = Character sample, C-2 zone.</p> <p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>					

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

[Signature]
 Licensed Assayer of British Columbia

APPENDIX IA - Geo Chem Assays 197~~4~~

To: MEDESTO EXPLORATIONS,
 215 A-10th Street N.W.,
 CALGARY, Alberta
 Attn: Mr. G. Evans



File No. 8300
 Date July 2, 1974
 Samples Geo-Chems

Certificate of
 ASSAY OF
 LORING LABORATORIES LTD.

-1-

SAMPLE No.	PPM	PPM
	Pb	Zn
ON 25 E	50	64
50	31	50
75	12	75
100	74	60
125	18	175
150	14	52
175	18	93
200	20	79
225	26	93
250	25	98
275	40	86
300	36	98
325	26	55
350	26	57
375	60	77
400	34	57
425	40	98
450	26	81
475	58	84
500	36	28
525	51	67
550	72	93
575	34	95
600	21	98
625	23	350
650	17	95
675	28	86
700	20	67
725	21	84
750	58	44
775	17	64

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.

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

To: MEDESTO EXPLORATIONS,
 225 A-10th Street N.W.,
 CALGARY, Alberta



File No. 8300
 Date July 2, 1974
 Samples Geo-Chems

Attn: Mr. G. Evans

Certificate of
 ASSAY OF
 LORING LABORATORIES LTD.

-2-

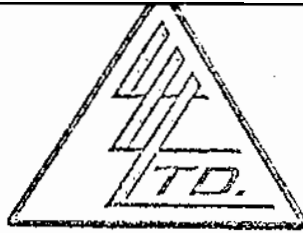
SAMPLE No.	PPM Pb	PPM Zn
ON 800 E	20	60
200 N 25 E	65	130
50	28	103
75	40	95
100	21	81
125	15	60
150	20	67
175	29	50
200	325	200
225	29	77
250	28	73
275	65	98
300	26	69
ON 0 W	290	120
200 N 25 W	44	113
50	39	98
75	38	113
100	26	113
200	170	548
225	26500 = 2.65 % !!	12675 = 1.26 % !!
250	190	448
275	39	126
300	36	123
325	23	90
350	28	113
375	960	259
400	17	120
450	12	224
475	36	116
500	33	90
525	29	75
550	50	113

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.

L. D. ...
 Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS,
 215 A-10th Street N.W.,
 CALGARY, Alberta



File No. 8300
 Date July 2, 1974
 Samples Geo-Chems

Attn: Mr. G. Evans

Certificate of
 ASSAY OF
 LORING LABORATORIES LTD.

-3-

SAMPLE No.	PPM Pb	PPM Zn
200 N 575 W	26	103
600	21	73
625	28	77
650	20	49
675	33	93
700	36	93
725	23	95
750	28	88
775	17	55
800	25	103
825	18	73
850	34	88
875	31	123
900	28	106
925	45	108
950	45	207
975	28	165
1000	96	252
210 N 125 W	28	195
150	33	432
230 N 175 W	102	343
425	68	190
400 N 25 W	23	73
50	26	50
75	26	103
100	23	117
125	25	103
150	40	400
175	18	67
200	26	77
225	12	75

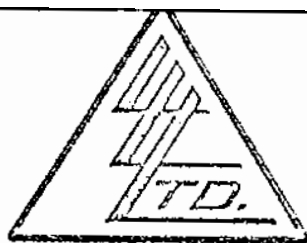
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

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

[Signature]
 Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS,
 215 A-10th Street N.W.,
 CALGARY, Alberta

File No. 8300
 Date July 2, 1974
 Samples Geo-Chems



Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

-4-

SAMPLE No.	PPM Pb	PPM Zn
400 N 250 W	18	67
275	18	97
300	20	90
325	23	112
350	34	160
375	45	200
400	425	507
425	155	155
450	33	44
475	23	75
500	45	35
525	29	77
550	45	117
575	39	103
600	34	97
625	28	95
650	25	95
675	26	98
700	73	103
725	28	69
750	39	109
775	28	95
800	36	79
825	23	90
850	29	88
875	31	106
900	105	123
925	29	88
950	23	66
975	28	106
1000	33	98

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.

e. l. m. j. a. e.
 Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS,
 215 A-10th Street N.W.,
 CALGARY, Alberta



File No. 8300
 Date July 2, 1974
 Samples Geo-Chems

Attn: Mr. G. Evans

Certificate of
 ASSAY OF
 LORING LABORATORIES LTD.

-5-

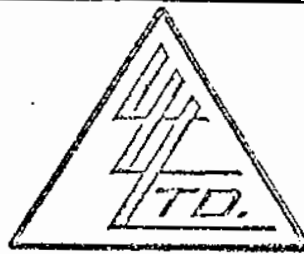
SAMPLE No.	PPM PB	PPM Zn
0 25 W	45	88
50	57	113
75	210	277
100	45	86
125	36	93
150	33	116
175	31	93
200	570	500
225	190	283
250	53	120
275	46	108
300	55	69
325	68	88
350	165	536
375	850	309
400	72	103
425	94	113
450	36	64
475	34	120
500	21	81
525	18	47
550	79	309
575	240	1150
600	56	409
650	48	416
675	89	850
700	125	850
725	65	180
750	79	364
775	31	108
800	33	170

I Herby 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. L. McLeod
 Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS,
 215A-10th St. N.W.,
 CALGARY, Alta.
 ATTN: Mr. G. Evans



File No. 8355
 Date July 4, 1974
 Samples Geo-chems

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

-1-

SAMPLE No.	PPM	PPM
	Pb	Zn
200S	72	130
200S 25E	39	97
50	33	109
75	66	145
100	51	125
125	140	190
150	58	117
175	26	121
200	50	79
225	85	170
250	66	112
275	68	125
300	74	97
325	62	195
350	115	235
375	51	109
400	275	145
425	51	67
450	53	97
475	78	93
500	180	135

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.

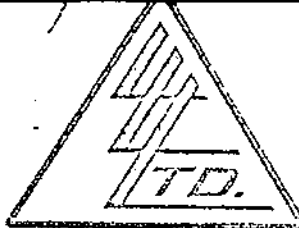
E. L. M. Isaac
 Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS,

File No. 8355

Date July 4, 1974

Samples Geo-chems



Certificate of
ASSAY OF

LORING LABORATORIES LTD.

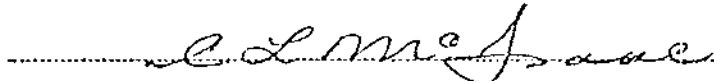
-2-

SAMPLE No.	PPM Pb	PPM Zn
200S 525E	39	84
550	46	135
575	36	93
600	40	112
625	36	64
650	28	71
675	23	84
700	25	93
725	36	93
750	51	64
775	50	77
800	26	52
825	25	34
850	79	71
875	40	81
900	28	88
925	33	88
950	25	60
975	29	54
1000	44	57
400S OE	58	230

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.

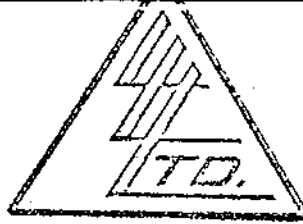

Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS

File No. 8355

Date July 4, 1974

Samples Geo-chems



Certificate of ASSAY OF LORING LABORATORIES LTD.

-3-

SAMPLE No.	PPM	PPM
	Pb	Zn
400S 25E	60	230
50	29	207
75	26	100
100	28	126
125	51	113
150	28	120
175	535	975
200	720	1090
275	39	103
300	58	73
325	51	62
350	45	93
375	65	113
400	60	116
425	39	88
450	36	59
475	40	75
500	42	106
525	53	90
550	44	79
575	33	90

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.

Edmond J. ...

Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS.

File No. 8355

Date July 4, 1974

Samples Geo-chems



Certificate of
ASSAY OF

LORING LABORATORIES LTD.

-4-

SAMPLE No.	PPM Pb	PPM Zn
400S 600E	23	54
650	21	88
675	14	32
700	26	79
725	28	49
775	29	67
800	23	88
825	26	88
850	25	100
875	44	77
900	36	77
925	29	81
950	23	77
1400S	39	1060
25E	23	1295
75	26	247
100	33	315
125	28	185
150	26	160
175	33	121
200	42	103

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

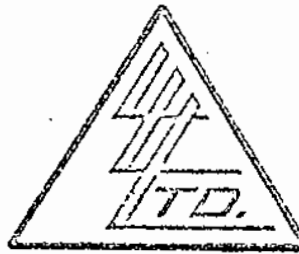
Rejects Retained one month.

Pulps Retained one month
unless specific arrangements
made in advance.

E. L. McFarlane

Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS.



File No. 8355

Date July 4, 1974

Samples Geo-chems

Certificate of
ASSAY OF
LORING LABORATORIES LTD.

-5-

SAMPLE No.	PPM Pb	PPM Zn
1400S 225E	39	97
250	48	112
275	29	93
300	38	67
325	21	62
350	36	88
375	29	135
400	58	200
425	57	103
450	39	93
475	33	88
500	29	88
525	36	86
550	39	73
575	74	95
600	40	81
625	38	77
650	36	71
675	31	77
700	36	67
725	38	57

I Herby 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.

E. L. M. Isaac
Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS.

File No. 8355

Date July 4, 1974

Samples Geo-chems



Certificate of
ASSAY of
LORING LABORATORIES LTD.

-6-

SAMPLE No.	PPM Pb	PPM Zn
1400S 750E	40	84
775	48	98
800	45	93
825	42	97
850	33	81
875	36	69
900	33	67
925	66	62
950	36	43
975	44	77
1000	45	64
390S 250E	165	103
750	29	75
1600S 000E	21	295
25	46	144
50	15	95
75	30	188
100	21	200
125	21	160
150	19	91
175	14	14

I Herby 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.

E. Longfance

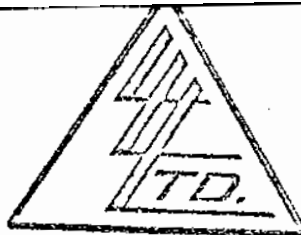
Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS.

File No. 8355

Date July 4, 1974

Samples Geo-chems



Certificate of
ASSAY of
LORING LABORATORIES LTD.

-7-

SAMPLE No.	PPM Pb	PPM Zn
1600S 200E	23	75
225	21	86
250	29	79
275	33	73
300	33	67
350	180	180
375	74	175
400	50	126
425	31	150
450	25	106
475	48	98
500	29	95
525	17	54
550	25	64
575	26	49
600	23	50
625	26	44
650	26	57
675	28	75
700	25	62
725	20	36

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.

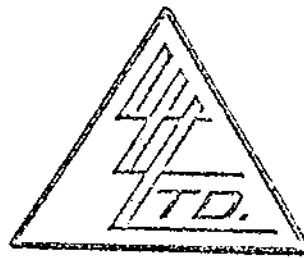
Edmead
Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS,

File No. 8355

Date July 4, 1974

Samples Geo-chems



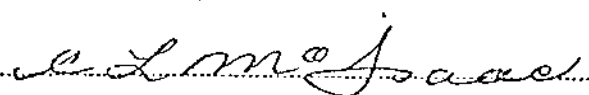
Certificate of
ASSAY OF
LORING LABORATORIES LTD.

-8-

SAMPLE No.	PPM Pb	PPM Zn
1600S 750E	33	79
775	23	55
800	29	62
825	33	79
850	42	88
900	17	47
950	29	46
975	35	30
1000	38	108
✓ 185S 250W	20	98
+ 190S 100W	21	95
200S 25 W	72	309
50	42	150
x 75	38	106
150	29	49
175	44	95
200	300	145
✓ 225	26	67
275	28	60
300	21	73
325	25	103

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.

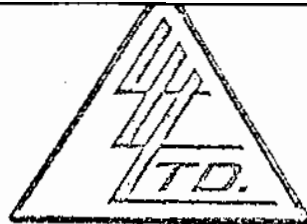

Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS

File No. 8355

Date July 4, 1974

Samples Geo-chems



Certificate of ASSAY of LORING LABORATORIES LTD.

-9-

SAMPLE No.	PPM Pb	PPM Zn
200S 350W	25	100
375	29	75
400	23	73
425	21	84
450	20	71
475	23	73
500	26	77
525	23	93
550	25	100
575	21	79
600	20	81
625	81	283
650	42	195
675	250	387
700	445	875
725	180	386
750	28	140
775	31	125
800	23	155
825	23	103
850	36	150

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.

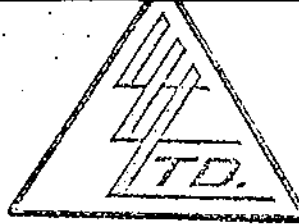
L. M. J. ...
Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS:

File No. 8355

Date July 4, 1974

Samples Geo-chems



Certificate of
ASSAY OF
LORING LABORATORIES LTD.

-10-

SAMPLE No.	PPM Pb	PPM Zn
200S 875W	165	548
900	165	900
925	225	295
950	210	265
400S 25W	107	1450
50	78	259
75	230	170
125	3700 = 0.37 %	2680 = 0.27 %
150	510	378
175	275	322
200	1850	322
225	36	135
250	33	170
275	34	155
300	29	125
325	28	121
350	66	130
375	29	109
400	26	100
425	20	97
450	29	90

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.

E. L. Macfarlane
Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS.



File No. 8355

Date July 4, 1974

Samples Geo. chems.

Certificate of
ASSAY of
LORING LABORATORIES LTD.

-11-

SAMPLE No.	PPM Pb	PPM Zn
400S 475W	39	113
500	33	170
525	62	165
550	28	170
575	34	165
600	780	322
625	94	160
650	68	400
675	500	1260
700	1620	1350
725	530	1120
750	360	1260
775	370	825
800	40	185
825	29	235
850	33	135
875	40	175
900	230	925
925	230	483
950	230	875
1200S 0 W	42	394

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

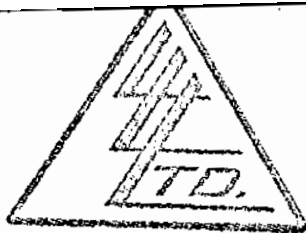
e Loring

To: MEDESTO EXPLORATION.

File No. 8355

Date July 4, 1974

Samples Geo-chems



Certificate of ASSAY of LORING LABORATORIES LTD.

-12-

SAMPLE No.	PPM Pb	PPM Zn
1200S 25W	34	309
50	36	185
75	29	190
100	55	125
125	57	170
150	39	112
175	60	241
200	45	416
225	33	121
250	200	140
275	23	93
300	25	73
325	29	93
350	29	71
375	33	67
200S 125W	26	100
1400S 00-0	38	1000
25 W	33	364
50	72	536
75	48	265
100	23	103

I Herby 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.

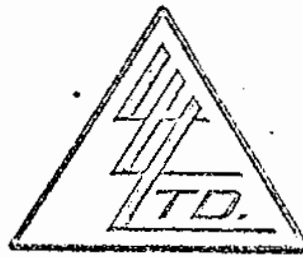
Handwritten signature and text: Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS

File No. 8355

Date July 4, 1974

Samples Geo-chems



Certificate of ASSAY OF LORING LABORATORIES LTD.

-13-

SAMPLE No.	PPM Pb	PPM Zn
400S 125W	38	170
150	26	117
175	48	93
200	29	71
250	25	75
225	23	55
275	60	252
300	17	185
325	12	28
No Number	1050	490

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.

E. L. M. J. A. A. C.

To: MEDESTO EXPLORATIONS.
 215A-10th St. N.W.,
 CALGARY, Alta.
 ATTN: G. Evans



File No. 8488
 Date July 22, 1974
 Samples Geo-chems

Certificate of
 ASSAY OF
 LORING LABORATORIES LTD.

-1-

SAMPLE No.	PPM	PPM
	Pb	Zn
1000N 650W	36	39
675	29	36
700	31	59
725	40	26
750	26	93
775	33	42
800	300	185
825	340	126
850	38	52
875	29	75
900	42	95
925	58	120
975	42	88
1000	65	150
600N 25W	29	50
50	26	73
75	44	28
100	21	19
125	31	66
150	25	60
175	31	60

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

L. Loring

To: MEDESTO EXPLORATIONS.....

File No. 8488.....

Date July 22, 1974.....

Samples Geo-chems.....



Certificate of
ASSAY OF
LORING LABORATORIES LTD.

-2-

SAMPLE No.	PPM Pb	PPM Zn
600N 200W	26	100
225	29	81
250	33	116
275	130	200
300	89	175
325	39	108
350	26	106
375	28	71
400	25	67
450	29	50
475	48	39
500	31	60
525	42	52
550	21	35
575	23	98
600	26	66
625	65	71
650	31	79
600N 25E	21	100
50	23	160
75	18	130

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.

E. L. McFarlane

Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS.

File No. 8488

Date July 22, 1974

Samples Geo-chems



Certificate of
ASSAY OF
LORING LABORATORIES LTD.

-3-

SAMPLE No.	PPM Pb	PPM Zn
600N 125E	21	113
150	29	93
175	17	90
200	17	106
225	18	77
275	31	98
325	20	116
350	55	90
375	48	50
400	33	50
425	4800 = 0.48%	425
475	42	123
500	28	180
525	66	356
550	48	90
575	46	113
600	48	103
675	73	88
700	74	62
725	25	95
750	39	100

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.

E. L. MacIsaac

Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS.



File No. ...8488
 Date ...July 22, 1974
 Samples ...Geo-chems

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

-4-

SAMPLE No.	PPM	PPM
	Pb	Zn
600N 775E	34	55
800	28	81
825	81	106
850	39	52
950	48	69
975	36	81
600N 675W	21	73
700	25	81
725	21	59
750	23	84
775	25	71
800	33	93
850	23	88
875	21	77
900	28	81
925	33	77
950	38	81
975	29	69
1000	25	88
580S 225E	33	116
250	33	73

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.

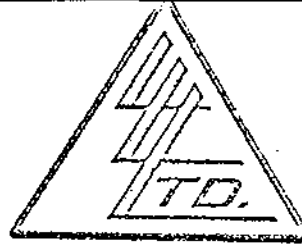
S. L. McJannet
 Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS.

File No. 8488

Date July 22, 1974

Samples Geo-chems



Certificate of
ASSAY OF
LORING LABORATORIES LTD.

-5-

SAMPLE No.	PPM	PPM
	Pb	Zn
580S 275E	40	88
300	44	170
325	40	123
350	29	93
375	38	108
400	33	98
425	23	41
450	26	77
475	48	103
600S OE	140	1325
100	26	100
125	23	95
150	55	108
175	33	86
200	51	126
500	26	60
600S 25W	34	230
50	210	277
75	360	120
100	225	343
125	200	241

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.

Edme Isaac

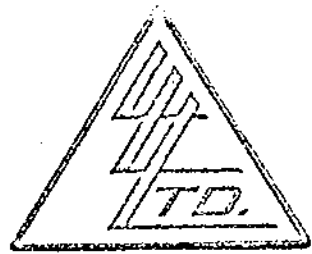
Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS.

File No. 8488

Date July 22, 1974

Samples Geo-chems



Certificate of ASSAY OF LORING LABORATORIES LTD.

-6-

SAMPLE No.	PPM Pb	PPM Zn
600S 150W	190	290
175	220	259
200	87	259
225	26	64
250	21	75
275	29	66
300	26	81

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. L. McFarlane
Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS,
 215A-10th St. N.W.,
 (CALGARY, Alta.
 ATTN: G. Evans


File No. 8467
 Date July 22, 1974
 Samples Water



Certificate of
 ASSAY OF
 LORING LABORATORIES LTD.

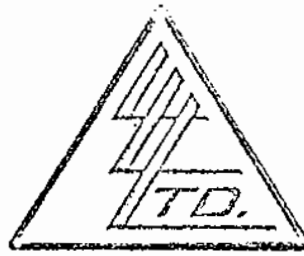
SAMPLE No.	PPB Pb	PPB Zn
<u>Water Samples</u>		
SPRING	240	60
#2 Road 1/2 Mi.	190	50
#3 Bomb	190	30
Sample #41	240	40
Greek Show	240	80
1500S Road	340	90
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>		

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


 Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS.
 215A-10th St. N.W.,
 CALGARY, Alta.

File No. 8457
 Date July 23, 1974
 Samples Geo-chems



Certificate of
 ASSAY OF
 LORING LABORATORIES LTD.

-1-

SAMPLE No.	PPM Pb	PPM Zn
600N 0W0E	29	116
600N 100E	25	81
250	21	98
300	26	90
625	36	116
650	180	350
875	70	77
900	40	41
925	33	46
1000	39	50
620N 450E	78	57
800N 000	23	66
025 E	20	62
050	57	66
075	26	66
100	17	190
125	31	100
150	48	322
200	310	1,150
225	225	1,250
275	20	88

I Herby 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.

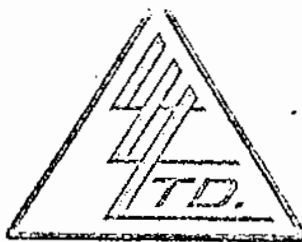
L. M. Spade
 Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS.

File No. 8457

Date July 23, 1974

Samples Geo-chems



Certificate of
ASSAY OF
LORING LABORATORIES LTD.

-2-

SAMPLE No.	PPM	PPM
	Pb	Zn
800N 300E	29	79
325	40	155
350	44	52
375	42	79
400	23	42
425	26	93
450	200	98
475	48	71
500	58	67
525	17	84
550	38	47
575	46	60
600	26	67
625	14	41
650	72	270
700	26	106
725	51	43
750	31	93
775	51	75
800	34	90
850	36	54

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.

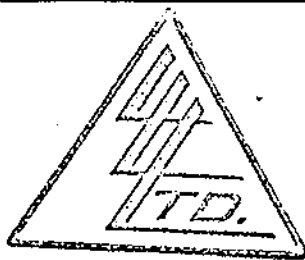
L. L. M. J. J. J.
Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS.

File No. 8457

Date July 23, 1974

Samples Geo-chems



Certificate of
ASSAY OF
LORING LABORATORIES LTD.

-3-

SAMPLE No.	PPM Pb	PPM Zn
800N 875E	36	130
900	58	34
950	39	90
975	34	62
1000	42	59
820N 175E	220	123
250	29	27
800N 025	17	52
075W	21	86
100	40	71
125	25	44
175	26	34
200	26	71
225	17	55
250	25	79
275	18	46
300	17	42
325	25	44
350	25	41
375	26	66
400	25	31

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.

e. L. McFarlane
Licensing Assayer of British Columbia

To: MEDESTO EXPLORATIONS.

File No. 8457

Date July 23, 1974

Samples Geo-chems



Certificate of
ASSAY of
LORING LABORATORIES LTD.

-4-

SAMPLE No.	PPM	PPM
	Pb	Zn
800N 425W	21	52
450	25	88
475	28	64
500	29	67
525	33	62
550	29	71
575	26	47
600	29	77
625	31	98
650	26	90
675	23	88
700	26	86
725	25	71
750	39	75
800	100	81
825	125	69
850	25	93
875	21	86
925	28	90
950	190	195
1000	195	200

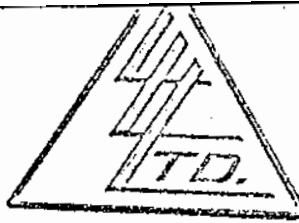
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.

Pulps Retained one month
unless specific arrangements
made in advance.

E. L. McFarlane

Licensed Assayer of British Columbia



Certificate of
ASSAY OF
LORING LABORATORIES LTD.

-5-

SAMPLE No.	PPM Pb	PPM Zn
1000N OE	38	81
25	33	185
50	165	200
75	1,960 = 0.20%	2,240 = 0.22%
125	25	88
150	34	86
175	44	120
200	98	116
225	39	54
250	65	111
275	33	46
300	57	98
325	62	42
350	34	93
375	25	95
400	33	73
425	15	46
450	23	88
475	20	71
500	20	73
525	42	77

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.

Edmund J. ...
Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS.

File No. 8457

Date July 23, 1974

Samples Geo-chems



Certificate of
ASSAY OF
LORING LABORATORIES LTD.

-6-

SAMPLE No.	PPM Pb	PPM Zn
1000N 550E	25	38
575	53	39
600	62	52
625	26	106
650	33	62
675	31	86
700	21	36
725	28	84
750	25	93
775	65	126
800	31	67
825	21	106
850	23	86
875	33	66
900	33	50
925	44	93
975	34	123
1000	89	108
1000N OW	38	90
25	28	77
50	26	77

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. L. M. J. A. C.
Licensed Assayer of British Columbia

To: MEDESTO EXPLORATION

File No. 8457

Date July 23, 1974

Samples Geo-chems



Certificate of ASSAY OF LORING LABORATORIES LTD.

-7-

SAMPLE No.	PPM Pb	PPM Zn
1000N 75W	25	64
100	33	75
125	26	67
150	40	93
175	28	84
200	29	55
225	36	67
250	23	77
275	12	44
300	38	39
325	29	54
350	23	36
375	42	47
400	17	31
425	15	75
450	21	71
475	26	88
500	29	67
525	40	71
550	42	111
575	39	93

I Herby 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.

Edmond J. ...
Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS.



File No. 8457

Date July 23, 1974

Samples Geo-chems

Certificate of
ASSAY of
LORING LABORATORIES LTD.

-8-

SAMPLE No.	PPM Pb	PPM Zn
1000N600W	45	32
625	36	47

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.

Edmond J. ...

Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS,
 215A-10th St. N.W.,
 CALGARY, Alta.
 ATTN: G. Evans



File No. 8619
 Date August 12, 1974
 Samples Geo-chems

Certificate of
 ASSAY OF
 LORING LABORATORIES LTD.

-1-

SAMPLE No.	PPM	PPM
	Pb	Zn
400N25E	51	90
50	79	120
75	81	195
100	68	42
125	31	75
150	40	73
175	50	62
200	53	130
225	44	230
250	100	335
275	44	126
300	58	81
325	74	200
350	23	88
375	45	185
400	44	108
425	42	126
450	63	123
475	44	106
500	60	100
525	38	116
550	58	79
575	70	62
600	38	106
625	48	33
650	46	93
675	31	90
700	25	86
725	26	64
750	36	64
775	29	71
800	58	79

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.

Ed McFarlane
 Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS,

File No. 8619

Date August 12, 1974

Samples Geo-chems



Certificate of
ASSAY of
LORING LABORATORIES LTD.

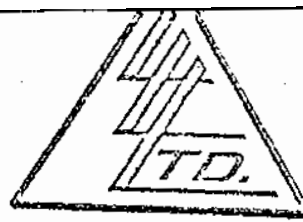
-2-

SAMPLE No.	PPM Pb	PPM Zn
400N825E	78	230
850	425	108
875	94	283
900	38	218
925	33	247
950	44	283
975	39	55
1000	28	66
300N100W	44	200
125	130	200
150	130	108
175	810	126
200	2225 = 0.22 %	1205
225	78	456
250	29	71
275	23	49
300	26	126
325	48	235
350	33	93
375	63	126
400	125	259
600S325W	39	81
350	33	73
375	21	69
400	23	71
425	165	218
450	31	67
475	23	81
500	25	86
525	23	73
550	190	100
575	39	126

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.

E. L. M. Isaac
Licensed Assayer of British Columbia



Certificate of
ASSAY of

LORING LABORATORIES LTD.

-3-

SAMPLE No.	PPM	
	Pb	Zn
600S600W	62	218
650	57	195
661	55	283
700	140	875
725	290	1235
750	1740	2125 = 0.21%
775	445	1035
800	850	1415
800W125S	N.B.	58
150	155	265
175	155	130
200	800W arc line	130
225	800S; sample	113
250	125S is located	111
275	at 25W, etc.	335
300	(i.e.:	60
325	800W125S = 800S 25W	34
350	800W150S = 800S 50W	29
375		28
400		39
425		40
450		39
475		36
500		34
525		34
550		33
575		31
600		44
625		51
650		36
675		26
700		31
		25
		81

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

Refractories Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

A. L. MacIsaac

Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS.

File No. 8619

Date August 12, 1974

Samples Geo-chems



Certificate of
ASSAY of
LORING LABORATORIES LTD.

-4-

SAMPLE No.	PPM Pb	PPM Zn
800W825S	23	46
850	21	106
875	41	286
900	65	247
925	12	33
950	62	1175
975	23	270
1000	27	276

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 l m f a c e

Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS,
 215A-10th Street N.W.,
 CALGARY, Alta,
 ATTN: G. Evans



File No. 8564
 Date August 23, 1974
 Samples Geo-chems

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

-1-

SAMPLE No.	PPM	PPM
	Pb	Zn
100N 150W	46	126
175	62	303
225	2625 = 0.26 %	2425 = 0.24 %
250	890	1750
275	4450 = 0.44 %	4000 = 0.4 %
300	42	195
325	44	120
350	48	230
375	39	247
425	34	120
130N 200W	380	1515
400	42	195
S780E550	29	103
S800EOWO	125	270
E25	45	140
50	42	175
75	38	103
100	39	145
125	33	100
150	28	112
175	34	165
200	33	112
225	28	130
250	26	140
275	28	125
300	25	93
325	25	100
350	23	97
375	34	103
400	33	112
425	29	103
450	34	103

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.

[Handwritten Signature]

To: MEDESTO EXPLORATIONS,

File No. 8664

Date August 23, 1974

Samples Geo-chems



Certificate of
ASSAY OF
LORING LABORATORIES LTD.

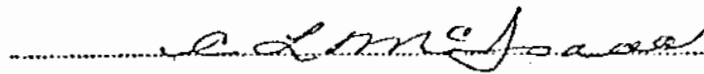
-2-

SAMPLE No.	PPM	PPM
	Pb	Zn
S800E450	34	103
475	28	77
500	29	97
525	29	97
575	26	75
600	25	55
625	48	71
700	25	36
725	36	47
750	31	66
775	23	62
800	29	60
S1000E200	28	106
225	25	108
250	25	95
275	23	95
300	21	77
325	20	93
350	29	81
375	25	95
400	23	106
425	23	90
450	26	100
475	28	77
500	39	93
525	36	90
550	25	90
575	18	106
S1200E200	20	98
225	29	106
250	23	100
275	26	98

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: MEDESTO EXPLORATIONS,

File No. 8664

Date August 23, 1974

Samples Geo-chems



Certificate of
ASSAY OF

LORING LABORATORIES LTD.

-3-

SAMPLE No.	PPM	PPM
	Pb	Zn
S1200E300	25	84
325	21	95
350	26	93
375	26	50
400	20	66
425	23	71
450	14	90
475	21	106
500	26	57
525	15	88
550	25	103
575	23	88
600	17	79
300S 75W	26	113
100	38	84
125	72	111
150	325	605
175	370	303
200	240	386
225	23	95
300S575W	62	98
600	33	277
625	39	343
650	220	548
675	155	975
700	425	1730
725	240	650
750	74	265
775	51	113
600S 550W	20	111

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. L. M. J. A. C.
LORING LABORATORIES LTD.

To: NEDESTO EXPLORATIONS,
215A-10th Street N.W.,
 Calgary, Alta.



File No.8796.....
 DateSeptember 17, 1974.....
 SamplesGeochems.....

ATTN: Mr. G. Evans.....

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

SAMPLE No.	PPM Pb	PPM Zn	
S400-W975	65	295	
S400-W1000	255	700	
S400-W1025	72	180	
S400-W1050	62	150	
S400-W1075	33	117	
S400-W1100	21	103	
S800-W525	17	93	NB: Resampled - earlier samples in A ₁ Zone.
S800-W600	45	130	
S800-W625	50	150	
S800-W650	140	378	
S800-W675	48	350	
S800-W700	62	1015	
S800-W725	50	825	
S800-W750	360	1515	
S800-W775	4450 = 0.44 %	3640 = 0.36 %	
S800-W800	1100	2086 = 0.21 %	
S800-W825	165	1575	
S800-W850	530	1545	

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.

[Signature]

Licensed Assayer of British Columbia

APPENDIX 1B - Geo Chem Assays 1977

To: MEDESTO EXPLORATIONS,
 215A - 10th St. N.W.,
 Calgary, Alberta

File No. 13465
 Date July 2, 1977
 Samples Soil Geochems



Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

ATTN: Mr. Dales

Page # 1

SAMPLE No.	PPM Cu	PPM Pb	PPM Zn
<u>"Soil Geochems"</u>			
100S 000'	12	11	313
100S 25'	86	1800	770
100S 50'	265	8600	2200
100S 75'	31	40	408
100S 100'	19	32	335
100S 125'	12	22	123
100S 150'	68	100	285
100S 175'	32	55	233
100S 200'	24	98	127
100S 225'	94	47	233
100S 250'	50	27	180
100S 275'	27	43	193
100S 300'	5	15	110
100S 325'	15	22	146
100S 350'	7	15	106
100S 375'	9	27	100
100S 400'	19	22	70
100S 425'	23	22	72
100S 450'	16	22	73
100S 475'	28	44	75
100S 500'	10	29	78
100S 525'	17	22	62
100S 550'	32	22	141
100S 575'	21	17	72
100S 600'	21	22	73
100S 625'	22	27	86
100S 650'	13	22	65
100S 675'	8	25	72
100S 700'	16	27	56
100S 725'	9	20	40

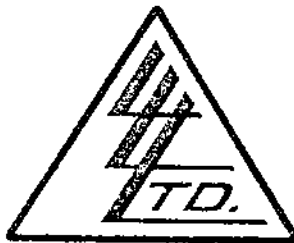
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

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 Pulps Retained one month
 unless specific arrangements
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Cambridge
 Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS,
 215A - 10th St. N.W.,
 Calgary, Alberta

File No. 13465
 Date July 2, 1977
 Samples Soil Geochems



ATTN: Mr. Dales

Certificate of
ASSAY OF
LORING LABORATORIES LTD.

Page # 2

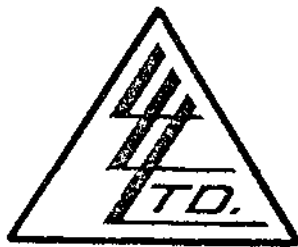
SAMPLE No.	PPM Cu	PPM Pb	PPM Zn
100S 750†	17	11	63
100S 775†	11	20	45
100S 800†	14	22	68
100S 825†	22	11	52
100S 850†	37	23	86
100S 875†	27	40	83
100S 900†	23	17	64
100S 925†	10	17	47
100S 950†	67	34	117
100S 975†	12	32	62
100S 1000†	15	47	69
300S 900W	10	58	142
300S 925W	9	29	168
300S 950W	13	32	147
300S 975W	3	20	92
300S 1000W	26	78	405
300S 1025W	41	670	668
300S 1050W	32	58	230
300S 1075W	219	215	348
300S 1100W	27	43	104
300S 1125W	68	47	132
300S 1150W	35	55	112
300S 1175W	21	58	34
300S 1200W	49	29	126
300S 1225W	12	25	87
300S 1250W	12	29	153
300S 1275W	62	40	95
300S 1300W	34	40	108
300S 1325W	50	34	143
300S 1350W	15	29	106
300S 1375W	48	40	100
300S 1400W	18	29	104

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 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

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 Pulps Retained one month
 unless specific arrangements
 made in advance.

Ed Meese
 Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS,
 215A - 10th St. N.W.,
 Calgary, Alberta



File No. 13465
 Date July 2, 1977
 Samples Soil Geochems

ATTN: Mr. Dales

Certificate of
 ASSAY OF
 LORING LABORATORIES LTD.

Page # 3

SAMPLE No.	PPM Cu	PPM Pb	PPM Zn
300S 1425W	30	36	149
300S 1450W	25	34	140
300S 1475W	25	145	96
300S 1500W	26	40	106
300S 1525W	20	32	71
300S 1550W	23	25	92
300S 1575W	27	36	105
300S 1600W	23	25	74
300S 1625W	31	32	76
300S 1650W	14	29	93
300S 1675W	14	17	63
300S 1700W	10	20	58
300S 1725W	15	11	59
300S 1750W	23	25	76
300S 1775W	15	29	60
300S 1800W	19	43	66
300S 1825W	12	50	72
300S 1850W	21	24	82
300S 1875W	15	17	68
300S 1900W	11	27	91
500S 900W	17	305	735
500S 925W	23	74	212
500S 950W	19	29	130
500S 975W	38	44	213
500S 1000W	33	58	310
500S 1025W	44	205	1010
500S 1050W	17	145	425
500S 1075W	25	86	473
500S 1100W	34	375	425
500S 1125W	53	121	250
500S 1150W	39	157	137

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Edmeade

Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS,
 215A - 10th St. N.W.,
 Calgary, Alberta

File No. 13465
 Date July 2, 1977
 Samples Soil Geochems



Certificate of
 ASSAY of
LORING LABORATORIES LTD.

Page # 4

SAMPLE No.	PPM Cu	PPM Pb	PPM Zn
500S 1175W	31	52	138
500S 1200W	9	36	71
500S 1225W	42	40	85
500S 1250W	44	40	73
500S 1275W	40	31	90
500S 1300W	61	36	57
500S 1325W	18	23	75
500S 1350W	24	31	127
500S 1375W	20	27	104
500S 1400W	9	36	101
500S 1425W	36	40	107
500S 1450W	10	46	112
500S 1475W	14	32	40
500S 1500W	10	16	20
500S 1525W	28	36	44
500S 1550W	52	61	175
500S 1575W	42	59	228
500S 1625W	13	29	64
500S 1650W	18	44	84
500S 1675W	25	18	37
500S 1700W	30	31	59
500S 1725W	18	40	51
500S 1750W	32	44	59
500S 1775W	13	20	45
500S 1800W	15	48	63
500S 1825W	6	7	20
500S 1850W	17	27	51
500S 1875W	16	27	63
500S 1900W	4	22	51
700S 900W	67	965	1170
700S 925W	32	355	695

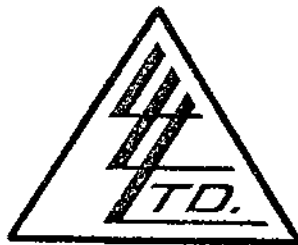
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 Pulps Retained one month
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Edmond J. J. J.
 Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS,
215A - 10th St. N.W.,
Calgary, Alberta

ATTN: Mr. Dales



File No. 13465
Date July 2, 1977
Samples Soil Geochems

Certificate of
ASSAY OF
LORING LABORATORIES LTD.

Page # 5

SAMPLE No.	PPM Cu	PPM Pb	PPM Zn
700S 950W	38	185	420
700S 975W	25	44	218
700S 1000W	20	33	248
700S 1025W	26	72	450
700S 1050W	25	380	865
700S 1075W	42	110	580
700S 1100W	42	90	680
700S 1125W	45	135	136
700S 1150W	58	79	135
700S 1175W	55	111	151
700S 1200W	46	112	310
700S 1225W	16	33	70
700S 1250W	18	67	114
700S 1275W	32	44	130
700S 1300W	13	29	67
700S 1325W	12	36	52
700S 1350W	29	44	54
700S 1375W	17	40	86
700S 1400W	10	28	77
700S 1425W	12	38	65
700S 1450W	20	44	66
700S 1475W	18	36	113
700S 1500W	12	38	103
700S 1525W	15	38	129
700S 1550W	7	58	123
700S 1575W	8	54	71
700S 1600W	11	50	57
700S 1625WA	14	36	57
700S 1625WB	12	33	56
700S 1650W	15	46	61
700S 1675W	24	41	62

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ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

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Pulps Retained one month
unless specific arrangements
made in advance.

E. J. McFarlane

Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS,
215A - 10th St. N.W.,
Calgary, Alberta



File No. 13465
Date July 2, 1977
Samples Soil Geochems

ATTN: Mr. Dales

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 6

SAMPLE No.	PPM Cu	PPM Pb	PPM Zn
700S 1700W	11	27	68
700S 1725W	24	36	78
700S 1750W	15	23	61
700S 1775W	16	23	47
700S 1800W	37	32	98
700S 1825W	17	29	68
700S 1850W	16	27	62
700S 1875W	3	25	50
700S 1900W	13	28	69
900S 900W	46	420	1450
900S 925W	64	1010	670
900S 950W	67	415	472
900S 975W	15	61	160
900S 1000W	20	92	473
900S 1025W	19	65	228
900S 1050W	27	401	338
900S 1075W	33	205	1035
900S 1100W	30	615	355
900S 1125W	27	200	250
900S 1150W	32	210	280
900S 1175W	14	62	110
900S 1200W	28	85	107
900S 1225W	50	100	147
900S 1250W	55	112	153
900S 1275W	20	40	84
900S 1300W	12	32	67
900S 1325W	29	65	91
900S 1350W	19	59	77
900S 1375W	28	50	86
900S 1400W	20	27	64
900S 1425W	17	40	74

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
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made in advance.

E. M. J. A. A. E.

Licensed Assayer of British Columbia

To: M. DESTO EXPLORATIONS,
215A - 10th St. N.W.,
Calgary, Alberta

ATTN: Mr. Dales



File No. 13465
Date July 2, 1977
Samples Soil Geochems

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 7

SAMPLE No.	PPM	PPM	PPM
	Cu	Pb	Zn
900S 1450W	18	36	65
900S 1475W	28	53	93
900S 1500W	11	32	46
900S 1525W	11	50	47
900S 1550W	28	40	62
900S 1575W	52	38	188
900S 1600W	31	44	101
900S 1625W	21	42	118
900S 1650W	54	61	65
900S 1675W	7	23	52
900S 1700W	4	20	43
900S 1725W	12	20	59
900S 1750W	17	26	62
900S 1775W	18	25	54
900S 1800W	18	44	72
900S 1825W	17	23	64
900S 1850W	20	23	58
900S 1875W	1	7	12
900S 1900W	5	26	41

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Rejects Retained one month.

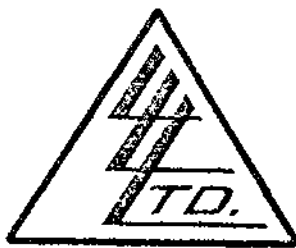
Pulps Retained one month
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made in advance.

E. M. J. J. J.

Licensed Assayer of British Columbia

To: MEDESTO EXPLORATIONS.
 215A-10th St. N.W.,
 Calgary, Alta.
 ATTN: Mr. Dales

File No. 14053
 Date September 14, 1977
 Samples Soil



Certificate of
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 LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	PPM Pb	PPM Zn	PPM Ag
600S-800W	159	705	1.5
825W	595	1340	6.7
850W	580	795	3.7
875W	1170	855	7.0
900W	158	410	1.7
925W	255	345	1.8
950W	37	215	1.0
975W	36	140	1.0
1000W	39	170	0.8
1025W	77	330	1.2
1050W	83	420	1.0
1075W	165	670	1.2
1100W	104	230	0.8
1125W	81	190	1.5
1150W	82	140	1.7
1175W	89	115	0.8
1200W	71	120	1.1

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 Pulps Retained one month
 unless specific arrangements
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Ed M. J. Mac
 Licensed Assayer of British Columbia

APPENDIX II - CORE DESCRIPTIONS

Medesto Exploration Ltd.

Renn Property 1975 Drilling Program

Hole Number 1-75

Location: 970'N 40'E

Azimuth: N15°E (015°).

Declination: -45°

Core Size: 15/16 inch

Core Description:

0 - 6' No recovery.

6 - 7' One 1" piece quartzite, conglomeratic, phyllitic.

7 - 9' No recovery.

9 - 10' Small fragments (10% recovery) phyllite, highly sheared - one 1/4" barren qtz. veinlet.

10 - 12' No recovery.

12 - 13' Small fragments (10% recovery) phyllite, highly sheared, shear planes @ 80° to core axis.
Small pods of limonite (1/2" x 1/16")

13 - 15' Three small fragments (5% recovery) phyllite, as above.

16 - 20' Fragments (5% recovery) phyllite, as above.

20 - 24' No recovery.

24 - 25' 3" piece phyllite, slightly calcareous, more massive than above.

25 - 30' One 1" piece phyllite, slightly calcareous.

30 - 32' Five inches of recovery, phyllite, calcareous with thin interbeds of dark impure limestone.

32 - 37' No recovery.

Core Description (continued):

- 37 - 38' Two 1" pieces limestone dk. grey to black, argillaceous aphanitic.
- 38 - 40' One 1/2" piece limestone, as above.
- 40 - 41' Five inches limestone, black, highly argillaceous, pyritic, Hairline veinlets of white calcite at high angle (av. 75^o) to core axis.
- 41 - 42' No recovery.
- 42 - 43' Limestone, black, argillaceous, porous in part, hair-line calcite veinlets. Minor Pb-Zn mineralization-mineralized areas badly leached and limonitic.
- 43 - 45' Limestone, med. grey, finely crystalline, more massive than above, pyritic, Minor disseminated galena - one 1/8" stringer of galena at 44 ft. at 75^o to core axis.
- 45 - 46' No recovery.
- 46 - 48.5' Limestone, black, argillaceous, porous. Very minor disseminated galena - one 1/8 galena veinlet at 47.5 ft. at 45^o to core axis. Hairline calcite veinlets average 60^o to core axis. Banding (bedding?) also at 60^o to core axis.
- 48.5 - 50' Limestone, med. grey, massive, fine grained, pyritic. One 1/8" galena veinlet at 48.5 ft. at 45^o to core axis.
- 50 - 51' No recovery.
- 51 - 54.5' Limestone, med. grey, massive, fine grained, slightly pyritic. Calcite veinlets, one 2" thick at 45^o to core axis.
- 54.5 - 56.5' No recovery.

Core Description(continued):

56.5 - 58.5'	<u>Limestone</u> , as above.
58.5 - 61.5'	No recovery.
61.5 - 66'	<u>Limestone</u> , med. to dark grey, massive. Disseminated pyrite. Calcite veinlets at 45° to core axis.
66 - 67'	No core.
67 - 70'	<u>Limestone</u> , as above.

Hole Number 2-75

Location: 260 N, 250 W

Azimuth: N70°E (070°)

Declination: -45°

Core Size: 15/16 inch

Core Description:

0 - 2	No recovery
2 - 3.5	<u>Phyllite</u> , slightly sandy, calcareous in part, pyritic.
3.5 - 8	No recovery
8 - 9	<u>Phyllite</u> , silty, pyritic
9 - 12	No recovery
12 - 14	<u>Phyllite</u> , silty to sandy, pyritic
14 - 16	No recovery
16 - 20	<u>Quartzite</u> , dk. grey, argillaceous, pyritic
20 - 22	No recovery
22 - 23	<u>Argillite</u> , dk. grey, pyritic
28 - 33.5	No recovery
33.5 - 34	<u>Argillite</u> , as above
34 - 36	No recovery

Core Description (continued):

36 - 37.5 Phyllite, lt. grey to brown, calcareous, pyritic.
Bedding at 45° to core axis?

37.5 - 38 No recovery

38 - 39 Phyllite, as above

39 - 41 No core

41 - 49 Limestone, med. grey, medium crystalline, massive

49 - 51 No recovery

51 - 52 Limestone, as above

52 - 53 No recovery

53 - 54 Limestone, as above

54 - 56.5 No recovery

56.5 - 57 Phyllite, med. grey, calcareous

57 - 59 No recovery

59 - 60 Phyllite, as above

Cuttings Analyses:

<u>Sample No.</u>	<u>Footage</u>	<u>Pb (ppm)</u>	<u>Zn (%)</u>
1	26'11"-29'5"	33	.18
2	29'5" - 30'	33	.19
3	30' - 30'9"	36	.18
4	30'9" - 32'3"	25	.15
5	32'3" - 34'5"	20	.21
6	34'6" - 36'	23	.16
7	36' - 37'	26	.18
8	37' - 37'11"	26	.12
9	37'11" - 38'9"	20	.18

Hole Number: 3-75
Location: 375 S, 100 W
Azimuth: S 50 Degrees W
Declination: -45 degrees
Core Size: 15/16 inch
Core Description:

0 - 8'	No recovery
8 - 8.5'	<u>Quartzite</u> , fine grained, white, pyritic
8.5 - 8'	<u>Argillite</u> , med. grey, silty
9 - 11'	No recovery
11 - 12'	<u>Quartzite</u> , fine grained, white, pyritic
12 - 14'	No recovery
14 - 15'	Poor recovery. Fragments of <u>quartzite</u> and dk grey argillite.
15 - 16'	No recovery.
16 - 17.5'	<u>Argillite</u> , grey, silty, pyritic with minor quartzite interbeds.
17.5 - 18.5'	No recovery
18.5 - 19'	<u>Quartzite</u> , light grey, fine grained, calcareous, pyritic.
19 - 19.5'	No recovery
19.5 - 20'	<u>Argillite</u> , black, pyritic. Bedding @ 80° to core axis.
20 - 21.5'	No recovery
21.5 - 23.5'	Varved black argillite and fine grained quartzite; bedding @ 80° to core axis. Coarse blebs and crystals of pyrite.
23.5 - 24.5'	No recovery

Core Description(continued):

24.5 - 27.5' Varved argillite & quartzite as above, abundant pyrite, bedding 80° to core axis, cleavage 45° to core axis.

27.5 - 28.5' No recovery

28.5 - 31.5' Varved argillite & quartzite as above; abundant pyrite, mostly in 1/8" - 1/4" cubes.

31.5 - 32' No recovery

32 - 34' Varved argillite & quartzite as above, local abundant pyrite cubes.

34 - 35' No recovery

35 - 38.5' Argillite, sandy, darker than above, less pyrite.

38.5 - 39' No recovery

39 - 46' Quartzite, argillitic, med. grey, fairly massive. Bedding 80-90° to core axis. Frequent pyritic blebs. One 3 inch missing section @ 43.5' with one fragment vein quartz carrying limonite.

46 - 49' Quartzite, argillitic, med. to dk. grey, less massive than above. Bedding 75-80° to core axis.

49 - 50' No recovery

50 - 51.5' 50% recovery, quartzite, dk. grey, phyllitic.

51.5 - 52' No recovery

52 - 52.5' Argillite, silty, dk grey, varved; bedding 60° to core axis.

52.5 - 53' No recovery

53 - 54' Quartzite, dark grey, argillitic

54 - 55.5' No recovery

55.5 - 57' Quartzite, phyllitic, rusty grey

57 - 59' No recovery

Core Description(continued):

59 - 60' Poor recovery. Three small fragments white vein quartz. No evident mineralization.

60 - 60.5' One fragment vein quartz as above.

60.5 - 65' Varved grey argillite & white quartzite bedding 75-80° to core axis. Minor (¼") quartz veinlets @ 45° to core axis.

65 - 67' No recovery. Minor fragments white vein quartz @ 67'.

67 - 69' Varved argillite & quartzite as above

69 - 69.5' No recovery

69.5 - 70' Quartzite, argillitic, brown

70 - 72.5' Varved argillite & quartzite.

72.5 - 73.5' Quartzite, fine grained, white, calcareous massive.

73.5 - 74.5 Varved argillite & quartzite.

74.5 - 75' No recovery

75 - 79.5' Varved argillite & quartzite.

79.5 - 80.5' Quartzite, white to brown, slightly calcareous

80.5 - 85' Varved argillite & quartzite; bedding @ 45° to core axis. Quartz veinlets 1/8" - 3/8" @ 45° to core axis.

Cuttings Analyses:

	<u>Pb</u>	<u>Zn</u>
0 - 9'2"	48 ppm	.16%
9'2" - 11'9"	114 ppm	.16%
11'9" - 13'9"	68 ppm	.21%
13'9" - 16'	250 ppm	.22%
16' - 18'9"	66 ppm	.20%
18'9" - 20'3"	130 ppm	.11%

Cuttings Analyses(continued):

	<u>Pb</u>	<u>Zn</u>
20'3" - 23'4"	72 ppm	.23%
23'4" - 25'8"	140 ppm	.28%
25'8" - 27'10"	73 ppm	.27%
27'10" - 31'4"	65 ppm	.31%
31'4" - 33'5"	78 ppm	.30%
33'5" - 36'9"	58 ppm	.37%
36'9" - 38'3"	87 ppm	.30%
40'1" - 43'9"	70 ppm	.19%
43'9" - 46'	58 ppm	.16%
47' - 48'9"	<u>3.17%</u>	<u>7.18%</u>
48'9" - 54'4"	<u>1360 ppm</u>	.31%
54'9" - 55'6"	<u>590 ppm</u>	.20%
56'9" - 59'4"	<u>470 ppm</u>	.20%
59'4" - 61'9"	81 ppm	.13%

Medesto Exploration Ltd.

ME Group

Hole Number 1-77

Location: 970 N, 10 E

Azimuth: N 15 E

Declination: - 60°

Core Size: "H"

Core Description:

0 - 11' No recovery

11 - 14' Limestone, blue-grey, arg., massive.

14 - 19' Rec. 4.5'. First 4' arg. varved dk. grey to brn-grey, bedding @ 20° to core axis. Last 0.5' qtzt., limey, brown.

19 - 23' Rec. 2' qtzt., mottled brn. to grey, bedding @ 45° to axis.

23 - 24' Qtzt. as above.

24 - 26' Rec. 1' qtzt., mottled brn to grey, calcareous, badly broken.

26 - 29'6" Rec. 3' qtzt. as above with interbeds highly sheared argillite. Bedding @ 45° to axis.

29'6" - 34' Full recovery. Argillite, varved, varicolored grey, green, red. Bedding contorted but mainly @ 45° to axis.

34' - 38' Full recovery. Argillite as above, but thicker-bedded and brownish in color.

38' - 43' Full recovery. 3' argillite, brown-grey, becoming quartzitic near base; 2' qtzt., light grey, massive, bedded 50° to axis.

43' - 48'6" Full recovery. Qtzt. as above, becoming calcareous last 4 ft.

Core Description(continued):

- 48'6" - 53'8" Full recovery. Qtzt., mottled grey and brn., calcareous, has bedding contact with varved argillite parallel to core axis for entire interval.
- 53'8" - 57' Rec. 3'. Varved argillite bedded @ 10° to core axis; at 56-57' soft, fault-gouged argillite.
- 57 - 59' Rec. 1' badly broken argillite grading to arg. qtzt. at base.
- 59' - 61' Full recovery. Qtzt., argillaceous, w. fragments of edgewise conglomerate. Bedding @ 20° to core axis.
- 61' - 65' Full recovery. Qtzt., argillaceous, as above.
- 65' - 69' Full recovery. Qtzt. as above, becoming less argillaceous last 2 ft.. Bedding @ 20° to axis.
- 69 - 74' Full recovery. Qtzt. lt. grey, massive, with ½ inch argillite interbeds @ 20° to axis.
- 74 - 79'6" Full recovery. Qtzt. as above, slightly calcareous. At 76'6" a 3 inch qtz.-calcite vein with minor galena.
- 79'6" - 81'6" Full recovery. Qtzt. as above with black arg. band @ 25° to axis.
- 81'6" - 85' Recovery 2'6". Qtzt. as above with argillite bands @ 25° to axis.
- 85' - 87'8" Full recovery. First foot as above; 8" fault breccia; last foot phyllite, grey speckled with brown, with good argillite band @ 30° to axis.
- 87'8" - 90' Full recovery. Argillite, grey speckled brown, badly broken.
- 90 - 95' Full recovery. Argillite as above, badly sheared and broken. Bedding @ 40° to core axis.

Core Description (continued):

95 - 97' Full recovery. Phyllite, light grey speckled brown, badly broken.

97 - 100' Phyllite, badly broken, as above. Bedding @ 70° to core axis.

100 - 109'6" Poor recovery of badly broken and highly sheared phyllite. Bedding @ 70° - 80° to axis?

109'6" - 112'6" First foot phyllite as above; next 2 ft. phyllite, calcareous, massive.

112'6" - 116' Recovery 1'2", 6" phyllite as above, 6" white vein quartz fragments, 2" soft grey fault gouged phyllite.

Medesto Exploration Ltd.

ME Group

Hole Number 3-77

Location: 560S, 875 W

Azimuth: N50°E

Declination: -45°

Core Size: "H" to 158; "BQ" 158 - 215

Core Description:

0 - 5'6" Recovered 2' argillite, silty, varved, med. grey, pyritic. Bedding @ 80° to core axis.

5'6" - 6'5" Argillite as above, with clay-filled fault gouge in middle of interval.

6'5" - 8' 1 ft. recovery argillite as above plus highly sheared phyllite.

8 - 10' Full recovery dk. grey massive argillite and highly sheared phyllite.

10' - 19' Rec. 2'6" rubbly and highly sheared argillite with fragments of barren vein quartz. Bedding parallel to core axis.

19-23' Rec. 2'9". arg., dk. grey, massive, with qtzt. interbeds to 6". Bedding @ 10° to core axis.

23 - 27' Rec. 2'6". Rubbly recovery of phyllite and qtzt.

27 - 33' Full recovery. Argillite, massive to laminated, dk. grey to lt. grey, variably calcareous. Phyllitic shear zone @ 29'.

33 - 37'6" Full recovery. Argillite, massive, quartzitic in part, brecciated appearance, pyritic. Bedding 40° to core axis.

Core Description(continued):

37'6" - 39' Full recovery. Argillite, variably quartzitic, med. to light grey. Bedding @ 25° to core axis.

39 - 41'8" Full recovery. First foot argillite as above. Balance phyllite, soft, sheared, rusty.

41'8" - 43' Rec. 8". Phyllite as above.

43 - 48' Full recovery. Argillite, massive, dark grey. Bedding @ 45° to axis.

48 - 54' Full recovery. Four feet argillite as above. Two feet qtzt., med. grey, slightly calcareous.

54 - 54'6" Qtzt. as above.

54'6" - 57' Full recovery. Qtzt., med. grey, slightly calcareous, bedding @ 30° to core axis.

57 - 61' Full recovery. Qtzt. as above - numerous thin quartz veins with leached areas.

61 - 64' Full recovery. Qtzt. as above, but more argillaceous. Bedding varies 10° to 30° to core axis.

64 - 67'8" Full recovery. Qtzt. as above.

67'8" - 71'6" Full recovery. Qtzt. med. grey, argillaceous, pyritic, with interbeds silty argillite. Bedding @ 35° - 45° to core axis.

71'6" - 76'6" Full recovery. Qtzt. as above to 73' becoming argillite to end of core. Bedding @ 45° to axis.

76'6" - 82' Full recovery. Argillite, dk. grey, bedding 20° to core axis.

82 - 85' Full recovery. Argillite as above, but highly sheared and phyllitic at 84 - 85'.

85 - 86'4" Recovery 6" of fault, brecciated argillite, some vein quartz and pyrite.

Core Description(continued):

- 86'4" - 89' Recovery 1'6" of fault breccia as above; at 88-89 ft. breccia carries quartz and galena and / or stibnite.
- 89 - 91' Recovery 1'6" soft, fault-gouged argillite.
- 91 - 94'4" Rec. 3' - Qtzt., med grey, highly pyritic, argillaceous partings @ 30° to core axis. Becomes massive pyrite @ 92.6 - 93.6 ft.. Some highly fragmented sections, with 4" soft grey fault gouge at base.
- 94'4" - 97'6" Full Recovery. Argillite, badly sheared and broken. 9" quartz vein @ 96'3" to 97' carries minor galena.
- 97'6" - 100'6" Full recovery. Qtzt., med. grey, slightly calcareous, dip 60° to 90° to core axis. Minor qtz.- dolomite veining with section at 99'6" - 100' carrying minor galena.
- 100'6" - 104' Rec. 2'. Qtzt. as above to 102 ft.. Minor galena in veinlet @ 101 ft. Below 102' argillite, black, graphitic, sheared.
- 104 - 105'8" Full recovery. Argillite as above, calcareous, good bedding @ 65° to core axis.
- 105'8" - 107'6" Full recovery. Argillite, varved, brecciated, @ 107-107'6" cemented with vein quartz.
- 107'6" - 113' Full recovery. Quartzite, calcareous, med. grey, abundant replacement pyrite, with minor disseminated galena.
- 113' - 118' Full recovery. Quartzite as above carrying replacement sulphides throughout, becoming massive at 114'6" - 115'6". Sulphide predominantly pyrite, but includes galena and sphalerite. Bedding @ 70° to core axis.
- 118' - 119'2" Full recovery. Quartzite, as above, fragmented, carrying galena.

Core Description(continued):

- 119'2" - 121'6" Full recovery. Massive sulphides in matrix of qtzt., slightly calcareous. Sulphides mostly pyrite, minor visible galena.
- 121'6" - 123'10" Full recovery. Argillite, medium grey, variable calcareous, highly pyritic, with minor quartz veinlets carrying galena.
- 123'10" 129'6" Full recovery. Argillite, lt. grey, slightly calcareous at top. Coarse cube pyrite, no other mineralization. Bedding @ 45° to core axis.
- 129'6" - 136' Full recovery. Quartzite, argillaceous, laminated, bedding 50° to core axis. Massive quartz vein @ 134 - 136' carries pyrite only.
- 136 - 140'6" Full recovery. 6" vein quartz as above. Balance qtzt., argillaceous, lt. grey, bedded 50° to core axis.
- 140'6" - 145'6" Full recovery. Qtzt., argillaceous, lt. grey with brown spots.
- 145'6" - 150'4" Full recovery. Qtzt. as above. Bedded 55° to core axis.
- 150'4" - 155' Full recovery. Qtzt. as above.
- 155 - 158' Full recovery. Qtzt., argillaceous, varved, bedding 70° to core axis.
- End of "H" Core.-
- Continues in "BQ" core-
- 158 - 164' Full recovery. Qtzt. argillaceous lt. grey, slightly calcareous. Spotted with brown in places.
- 164' - 173'6" Full recovery. Qtzt. argillaceous, as above, bedded 60° to core axis.
- 173'6" - 181'6" Full recovery. Qtzt. as above.

Core Description(continued):

- 181'6" - 186'6" Full recovery. As above to 182'6", becoming varved interbed argillite and quartzite. Bedding 60° to core axis.
- 186'6" - 194' Full recovery. Interbedded argillite and quartzite as above.
- 194' - 204' Full recovery. As above.
- 204 - 215' Full recovery. As above, with more qtzt. near base. bedding @ 65° to core axis.

APPENDIX III - Drillers Log 1977

ELGIN EXPLORATION COMPANY LIMITED

DAILY DIAMOND DRILL REPORT

PROJECT <i>76-3</i>				NO. <i>76-3</i>				FOREMAN <i>V. K. ...</i>				DATE <i>July 29/77</i>				DIP ANGLE <i>-45°</i>													
IFT	PERSONNEL	RATING	TOTAL HOURS	HOLE NO.	CORE SIZE	CORE FROM	CORE TO	CORE REC.	CORE HOURS	CASE FROM	CASE TO	CASE SIZE	CASE HOURS	NON CORE FROM	NON CORE TO	NON CORE HOURS	FISHING	SURVEY	CEMENTING	STAND BY	WATER SUPPLY	MOVING	SETTING UP	REPAIRS	TRAVEL	DRILL RENTAL	COMPANY HOURS	TRAVEL TIME	
	<i>V. ...</i>		<i>8</i>	<i>3</i>	<i>11/12</i>	<i>14</i>	<i>23</i>		<i>3</i>	<i>11</i>	<i>14</i>	<i>11/12</i>	<i>12</i>																
	<i>H. ...</i>		<i>8</i>																										

BIT NO.	TYPE	SIZE	FROM	TO	HOLE NO.	FROM	TO	HOLE NO.
<i>1092</i>	<i>1015</i>	<i>1015</i>	<i>75</i>	<i>102</i>				

CASING SHOE	TYPE	SIZE	FROM	TO	HOLE NO.	FROM	TO	HOLE NO.
<i>1092</i>	<i>WS</i>	<i>1015</i>	<i>1015</i>	<i>102</i>				

EQUIP USED UP, WORN OUT, LOST in HOLE, BROKEN, ETC.

ADDITIVES, CEMENT USED

OIL, FUEL, SPARE PARTS USED

TRUCK, TRACTOR, TRACKED VEHICLE HOURS.

REMARKS

TRIP TO COLLEGE FOR SUPPLIES.

WEATHER BAD

FOREMAN *V. K. ...*

CO. REP _____

ELGIN EXPLORATION COMPANY LIMITED

DAILY DIAMOND DRILL REPORT

PROJECT MEDESTO-PARSON		NO. 76-3			FOREMAN V. GRENNIE				DATE July 30/77			DIP ANGLE -45°																		
LIFT	PERSONNEL	RATING	TOTAL HOURS	HOLE NO.	CORE SIZE	CORE FROM	CORE TO	CORE REC.	CORE HOURS	CASE FROM	CASE TO	CASE SIZE	CASE HOURS	NON CORE FROM	NON CORE TO	NON CORE HOURS	FISHING	SURVEY	CEMENTING	STAND BY	WATER SUPPLY	MOVING	SETTING UP	REPAIRS	TRAVEL	DRILL RENTAL	COMPANY HOURS	TRAVEL TIME		
																													V. GRENNIE	13
	R. AHEARN	13																												

BIT NO.	TYPE	SIZE	FROM	TO	HOLE NO.	FROM	TO	HOLE NO.
K920015	DM	HQ	23	54	2			
K920023	IMP	HQ	54	61	2			
CASING SHOE								

EQUIP USED UP, WORN OUT, LOST in HOLE, BROKEN, ETC.

ADDITIVES, CEMENT USED

OIL, FUEL, SPARE PARTS USED

TRUCK, TRACTOR, TRACKED VEHICLE HOURS

REMARKS
CHANGE BIT @ 54'
HARD ROCK.

FOREMAN *V. Grennie*

CO. REP _____

ELGIN EXPLORATION COMPANY, LIMITED

DAILY DIAMOND DRILL REPORT

PROJECT <i>MADDESTO-PARSON</i>		NO. <i>76-3</i>		FOREMAN <i>V. GRENKIE</i>				DATE <i>July 31/77</i>				DIP ANGLE <i>-45°</i>																	
IFT	PERSONNEL	RATING	TOTAL HOURS	HOLE NO.	CORE SIZE	CORE FROM	CORE TO	CORE REC.	CORE HOURS	CASE FROM	CASE TO	CASE SIZE	CASE HOURS	NON CORE FROM	NON CORE TO	NON CORE HOURS	FISHING	SURVEY	CEMENTING	STAND BY	WATER SUPPLY	MOVING	SETTING UP	REPAIRS	TRAVEL	DRILL RENTAL	COMPANY HOURS	TRAVEL TIME	
																													<i>V. GRENKIE</i>
	<i>R. AHARAW</i>	<i>13</i>																											

BIT NO.	TYPE	SIZE	HOLE NO.		HOLE NO.	
			FROM	TO	FROM	TO
<i>K920023</i>	<i>HP</i>	<i>HQ</i>	<i>61</i>	<i>119</i>	<i>2</i>	

EQUIP USED UP, WORN OUT, LOST IN HOLE, BROKEN, ETC.

ADDITIVES, CEMENT USED

OIL, FUEL, SPARE PARTS USED

TRUCK, TRACTOR, TRACKED VEHICLE HOURS

REMARKS

HOLE MAKING WATER

FOREMAN *V. Grenkie*

CO. REP _____

ELGIN EXPLORATION COMPANY LIMITED

DAILY DIAMOND DRILL REPORT

PROJECT MEDSTO - PARSON				NO. 76-3				FOREMAN V. GRENKIE				DATE AUG 2/77				DIP ANGLE 42°												
SHIFT	PERSONNEL	RATING	TOTAL HOURS	HOLE NO.	CORE SIZE	CORE FROM	CORE TO	CORE REC.	CORE HOURS	CASE FROM	CASE TO	CASE SIZE	CASE HOURS	NON CORE FROM	NON CORE TO	NON CORE HOURS	FISHING	SURVEY	CEMENTING	STAND BY	WATER SUPPLY	MOVING	SETTING UP	REPAIRS	TRAVEL	DRILL RENTAL	COMPANY HOURS	TRAVEL TIME
	V. GRENKIE		13	2	HQ 135	158	158	12																	1			
	R. AHEARN		14		BQ 158	181																						

BIT NO.	TYPE	SIZE	FROM	TO	HOLE NO.	FROM	TO	HOLE NO.
R920023	IMP HQ	135	158	2				
10495 JKS	IMP BQ	158	181	2	(NEW)			
CASING SHOE								
REAM SHELL	INS.	BQ	158	181	2			

EQUIP USED UP, WORN OUT, LOST IN HOLE, BROKEN, ETC.

ADDITIVES, CEMENT USED

OIL, FUEL, SPARE PARTS USED

TRUCK, TRACTOR, TRACKED VEHICLE HOURS

REMARKS

CHANGED TO BQ CORE @ 158'

R. AHEARN 2 HRS

DEMobilization

FOREMAN *V. Grenkie*

CO. REP _____

ELGIN EXPLORATION COMPANY LIMITED

DAILY DIAMOND DRILL REPORT

PROJECT <i>Modesto-Parson</i>		NO. <i>26-3</i>		FOREMAN <i>V. Grenkie</i>				DATE <i>AUG. 3/77</i>				DIP ANGLE <i>-45°</i>																
DEPTH	PERSONNEL	RATING	TOTAL HOURS	HOLE NO.	CORE SIZE	CORE FROM	CORE TO	CORE REC.	CORE HOURS	CASE FROM	CASE TO	CASE SIZE	CASE HOURS	NON CORE FROM	NON CORE TO	NON CORE HOURS	FISHING	SURVEY	CEMENTING	STAND BY	WATER SUPPLY	MOVING	SETTING UP	REPAIRS	TRAVEL	DRILL RENTAL	COMPANY HOURS	TRAVEL TIME
	<i>V. Grenkie</i>		<i>14</i>	<i>2</i>	<i>BQ</i>	<i>181</i>	<i>215</i>		<i>5</i>																			
	<i>E. Adcock</i>		<i>14</i>																									

BIT NO.	TYPE	SIZE	FROM	TO	HOLE NO.	FROM	TO	HOLE NO.
<i>30495</i>	<i>1 1/2"</i>	<i>P.O.</i>	<i>181</i>	<i>215</i>	<i>2</i>			
CASING SHOE								

EQUIP USED UP, WORN OUT, LOST in HOLE, BROKEN, ETC.

ADDITIVES, CEMENT USED

OIL, FUEL, SPARE PARTS USED

11 X BQ CORE BOXES

13 X HQ CORE BOXES

TRUCK, TRACTOR, TRACKED VEHICLE HOURS

REMARKS

HOLE 2 FINISHED @ 215'

PULL RODS & CASING

8 HRS

TEAR DOWN RIG & MOVE

DOWN HILL TO CAMP SITE.

DRIVE TO GOLDEN B.C.

6 HRS.

FOREMAN *V. Grenkie*

CO. REP _____

ELGIN EXPLORATION COMPANY LIMITED

DAILY DIAMOND DRILL REPORT

PROJECT <i>MODRSTO-PARSON</i>		NO. <i>76-3</i>		FOREMAN <i>V. GREENKIE</i>				DATE <i>AUG 2/77</i>				DIP ANGLE																	
FT	PERSONNEL	RATING	TOTAL HOURS	HOLE NO.	CORE SIZE	CORE FROM	CORE TO	CORE REC.	CORE HOURS	CASE FROM	CASE TO	CASE SIZE	CASE HOURS	NON CORE FROM	NON CORE TO	NON CORE HOURS	FISHING	SURVEY	CEMENTING	STAND BY	WATER SUPPLY	MOVING	SETTING UP	REPAIRS	TRAVEL	DRILL RENTAL	COMPANY HOURS	TRAVEL TIME	
	<i>V. GREENKIE</i>		<i>13</i>																										
	<i>R. AHEARN</i>		<i>13</i>																										

BIT NO.	TYPE	SIZE	FROM TO		HOLE NO. FROM TO		HOLE NO.

EQUIP USED UP, WORN OUT, LOST in HOLE, BROKEN, ETC.

ADDITIVES, CEMENT USED

OIL, FUEL, SPARE PARTS USED

TRUCK, TRACTOR, TRACKED VEHICLE HOURS

REMARKS

TRIP GOLDEN TO DRILLSITE TO LOAD TRUCK WITH GEAR. DRIVE TO CALGARY

FOREMAN *V. Greenkie*

CO. REP _____

APPENDIX IV - Core Location

LOCATION OF CORES -

#4, 215A-10th Street N.W.

Calgary, Alberta

APPENDIX V - Itemized Cost Statement on Work Done

ME GROUP CLAIMS
VALUATION OF WORK

1977

(a)

<u># of Days</u>	<u>Rates Per Day</u>	<u>Specific Dates</u>	<u>Total Wages</u>	<u>Persons Employed</u>	
				<u>#</u>	<u>Type</u>
1	\$ 60	May 2	\$ 120	2	Management
4	60	May 10-13	240	1	Management
4	50	May 10-13	400	2	Students
3	60	June 20-23	360	2	Management
3	50	June 20-23	300	2	Students
3	90	June 20-23	270	1	Jr. Geologist
1	60	July 14	60	1	Management
1	Nil	July 14	Nil	1	Elgin Drilling
4	60	July 20-23	720	3	Management
4	50	July 20-23	200	1	Student
1	180	July 22	360	2	Geologists
4	60	July 25-28	480	2	Management
4	60	July 27-30	480	2	Management
5	60	July 30-Aug. 3	300	1	Management
1	60	Aug. 4	180	3	Management
3	60	Sept. 9-11	360	2	Management
3	50	Sept. 9-11	300	2	Students
1	60	Sept. 14	60	1	Management
1	Nil	Sept. 14	Nil	1	Geologist
TOTAL.....			\$5,190		

(b) FOOD AND ACCOMODATION

The Company allowed \$15.00 per day per man to cover the costs both at camp and while travelling. Specific dates are noted in section (a) and total 87 man/days. In addition, the Company provided food and accommodation for the Elgin Drilling crew of 2 men for the period July 20th to August 3rd - 15 days for a total of 30 man/days.

Total days = 87+30 = 117 man/days @ \$15.00 = \$1,755.00

(c) TRANSPORTATION

Medesto Management supplied private auto, truck and 4 wheel drive vehicles as required to be paid for as follows:

20¢ per mile for private auto

40¢ per mile for truck and 4 wheel drive.

Mileage was paid only for round trips Calgary-Claim site-Calgary. Any local driving at camp or work area was not charged.

Four wheel drive was needed to negotiate cat trails on property. Truck transportation required to haul in supplies and transport cores to Calgary.

<u>DATE</u>	<u>ROUND TRIP Calgary-Camp-Calgary</u>	<u>TYPE OF TRANSPORT</u>
May 2	Medesto Crew	Auto
May 10-14	Medesto Crew	4 wheel drive
June 20-24	Medesto Crew	4 wheel drive
June 20-24	Geologist	auto
July 14	Medesto Crew	4 wheel drive
July 20-24	Medesto Crew	auto
July 22	Geologist	auto
July 25-28	Medesto Crew	auto
July 27-30	Medesto Crew	auto
July 30-Aug. 4	Medesto Crew	4 wheel drive
Aug. 4	Medesto Crew	Truck
Sept. 9-11	Medesto Crew	4 wheel drive
Sept. 14	Medesto + Geologist	4 wheel drive

Round trip distance Calgary-camp-Calgary is 440 miles.

7 trips with 4 wheel drive @ 40¢	7 x 440 x 40¢ =	\$1,232
6 trips with automobile @ 20¢	6 x 440 x 20¢ =	528
	TOTAL.....	<u>\$1,760</u>

(d) INSTRUMENT RENTALS

May 10-14	Rate - \$50 per day	Jack hammer & compressor	
		4 days @ \$50/day.....	\$ 200

(e) SURVEYS

Medesto management supervised & carried out the bulk of the field work. The work may be divided into four main projects noted below as (1), (2), (3), (4).

(1) Survey- May 2nd to check out snow and road conditions on the property.

July 14th to locate and mark proposed drill sites and clear road obstructions.

<u>DATE</u>	<u># Crew</u>	<u>Days Worked</u>	<u>Wages</u>	<u>Food and ACCOMMODATION</u>	<u>Transport</u>	<u>Total</u>
May 2	2	1	\$120	\$30	\$88	\$238
July 14	2 (one pd.)	1	60	30	176	266
						<u>\$504</u>

(2) TRENCHING ETC May 10-14 Crew built bridge to #3-77 drill site. Repaired and cleared cat roads - collected rock samples.

Sept. 9-11 Hand trenching - channel & rock sample collection for assay - Geochemical infil & camp. clean-up and closure.

<u>DATE</u>	<u># Crew</u>	<u>Days Worked</u>	<u>Wages</u>	<u>Food and Accommodation</u>	<u>Transport</u>	<u>Total</u>
May 10-14	1	4	\$240	\$60	176	\$476
	2	4	400	120		520
Sept. 9-11	2	3	360	90	176	* 626
	2	3	300	90		* 390

* 1/3rd these costs (\$339) charged to Geochemical survey
Remainder.....\$1,673

XXXXXXXXXXXX

<u>ASSAYS</u> - May 18-3 Channel Chip Au, Ag, Pb, Zn, Sb	\$87.50
July 14-Chips Ag, Pb, Zn	38.00
July 26-Chips Ag, Pb, Zn	19.00
Sept.14- 15 Chips Ag, Pb, Zn	<u>319.00</u>
	\$2,136.50

Rent of jack hammer & compressor	<u>200.00</u>
	\$2,336.50

(3) GEO CHEMICAL SOIL SAMPLING

1,800 ft. base line to extend 1974 survey area with laterals at 200 feet intervals and 25 foot stations on each lateral located by chain and compass. Samples taken from "C" zone from as deep as 1 Meter. Tree roots and undergrowth made sample gathering difficult and costly.

<u>Date</u>	<u># Crew</u>	<u>Days Worked</u>	<u>Wages</u>	<u>Food & Accommodation</u>	<u>Transport</u>	<u>Total</u>
June 20-24	2	3	\$360	\$90	\$176	\$626
	2	3	300	90		390
	1	3	270	45	88	403
						<u>\$ 1,419</u>
July 2	205 soil samples assayed for Pb, Zn, Cu			Cost		\$ 461.25
May 26	3 soil samples assayed for Pb, Zn, Cu			Cost		9.60

<u>Date</u>	<u># Crew</u>	<u>Days Worked</u>	<u>Wages</u>	<u>Food & Accommodation</u>	<u>Transport</u>	<u>Total</u>
*Sept. 9-11	2	3	\$360	\$90	\$176	-\$
	2	3	300	90		
			Total Charged see #2			\$339
	17 samples - Pb, Zn, Ag			Cost		<u>34</u>
						\$2,262.85

(4) DIAMOND DRILLING July 20 to Aug. 6

Drilling Contractor - Elgin Drilling of Calgary
 Equipment - Modified 38 Longyear mounted on track vehicle
 Cores taken - H and BQ as per report
 Elgin Drilling paid for all costs of moving crew and equipment from Calgary-drill sites-Calgary and on-site costs.

Elgin Drilling invoice....., \$9,107.55

Medesto costs included:

- 1). Cat to haul equipment to drill site.
- 2). 2-3 people to assist drill crew and operate camp, clean up drill sites and help move to locations.
- 3). Truck & crew to pick up & haul cores to Calgary.

Date	# Crew	Days Worked	Wages	Food & Accommodation	Transport	Total
July 20-24	3	4	\$720	\$180	\$88	\$988
	1	4	200	60		260
July 22	2	1	360	30	88	478
July 25-28	2	4	480	120	88	688
July 27-30	2	4	480	120	88	688
July 30-Aug ⁴	1	5	300	75	176	551
Aug. 4	3	1	180	45	176	401
Sept. 14	1	1	60	15	176	251
	1	1	-	15	-	15
July 20 to Aug. 5	Elgin Drilling Crew - 2 men for 15 days-30 man days					
				450		450
Cat rental cost						365
Aug. 15	10	core samples Au, Ag, Pb, Zn, Sb, Sn				346.50
Aug. 29	5	core and sand samples Zn, Wo ₃				48
SUB TOTAL CHARGES TO DRILLING PROJECT						\$5,529.50
TOTAL.....						\$14,637.05

(f) Analyses

Loring Laboratories of Calgary did all assays. Methods are described in Report.

As noted under (e) (2), (3), (4) assays are as follows:

May 18	- Channel sample	Au, Ag, Pb, Zn, Sb
July 2	- 205 Geo Chem Soil Samples	Pb, Zn, Cu
Sept. 14	- 30 Geo Chem Soil Samples	Pb, Zn, Ag
July 14	- Chip Samples	Ag, Pb, Zn
July 26	- Chip Samples	Ag, Pb, Zn
Aug. 15	- Core Samples	Au, Ag, Pb, Zn, Sb, Sn
Aug. 29	- Core & sand samples	Zn, Wo ₃
Sept. 14	- Assays Chip (505)	Ag, Pb, Zn

Total Invoice Loring Laboratories..... \$ 1,362.85

(g) REPORT

Geological Consulting, supervision, examination and Report preparation
and writing \$ 1,500.00

4. Cost of transporting crews from Calgary to claim area - 13 round trips adds a significant sum. Cost of transporting drilling equipment and crew from Calgary - drill sites - Calgary when only two holes were drilled adds significantly to cost per meter drilled.

Heavy rain and road washouts caused costly delays in drilling.

Travelling - about 8 hours per round trip reduces the amount of field work done in relation to time spent.

5. The four projects described under (e) (1), (2), (3), (4) were carried on as described though there was some averaging required as noted.

Costs are summarized as follows:

Wages	Section A	\$ 5,190.00
Food & Accommodation	Section B	1,755.00
Transportation	Section C	1,760.00
Rentals	Section D	564.50
Drilling Contractor	Section E	9,107.55
Assays	Section F	1,362.85
Report & Supervision		<u>1,500.00</u>
		\$21,239.90

Section E - Projects

Survey (1)	504.00
Trenching (2)	2,336.00
Geo Chem (3)	2,262.85
Drilling	14,637.05
Report	<u>1,500.00</u>
	\$21,239.90

ME MINERAL CLAIM GROUP

Prepared by: M. Aileen Pelzer

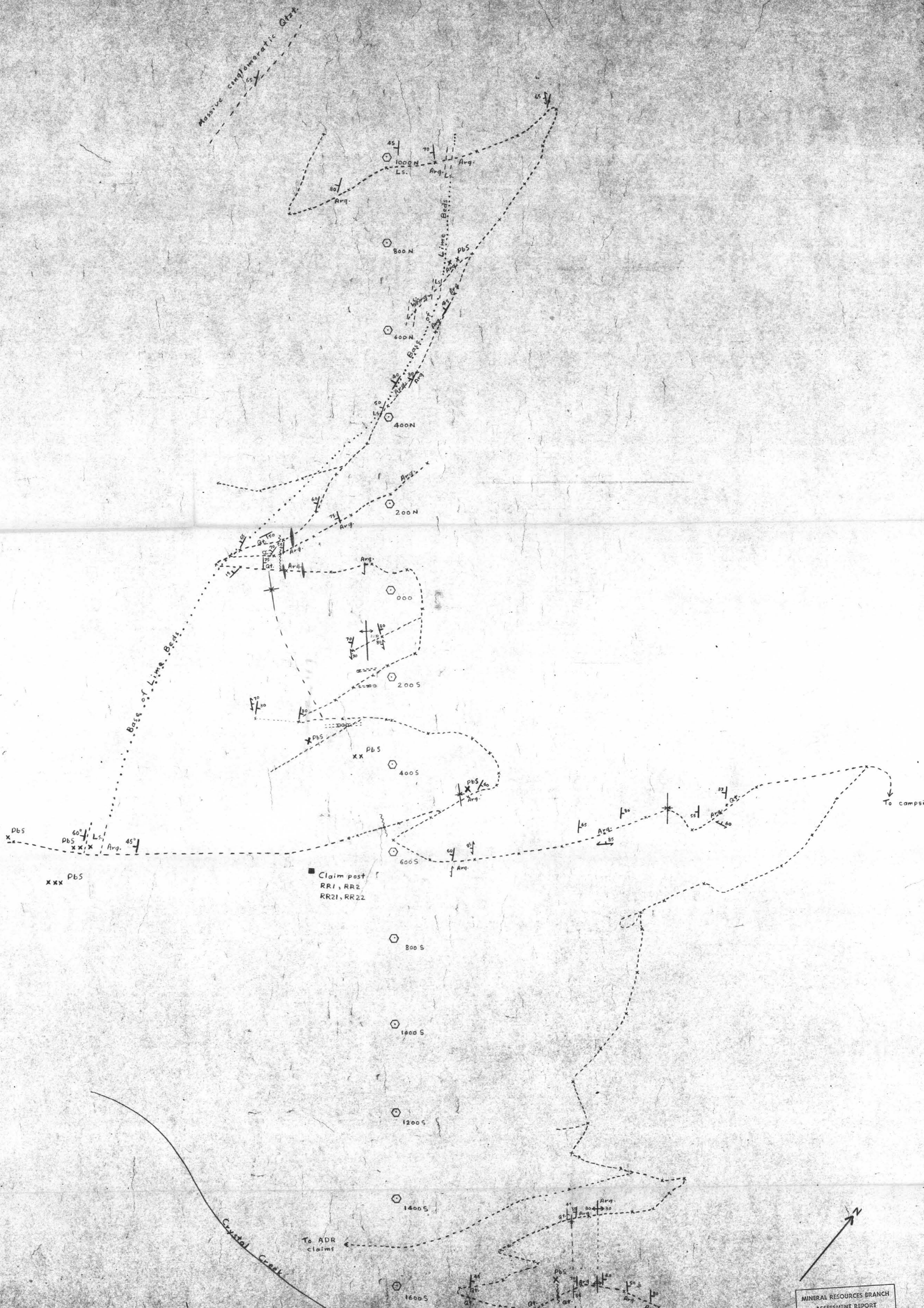
M. Aileen Pelzer, P. Geol

APEGGA # 23377

Consultants:

Brunswick Resources Ltd.

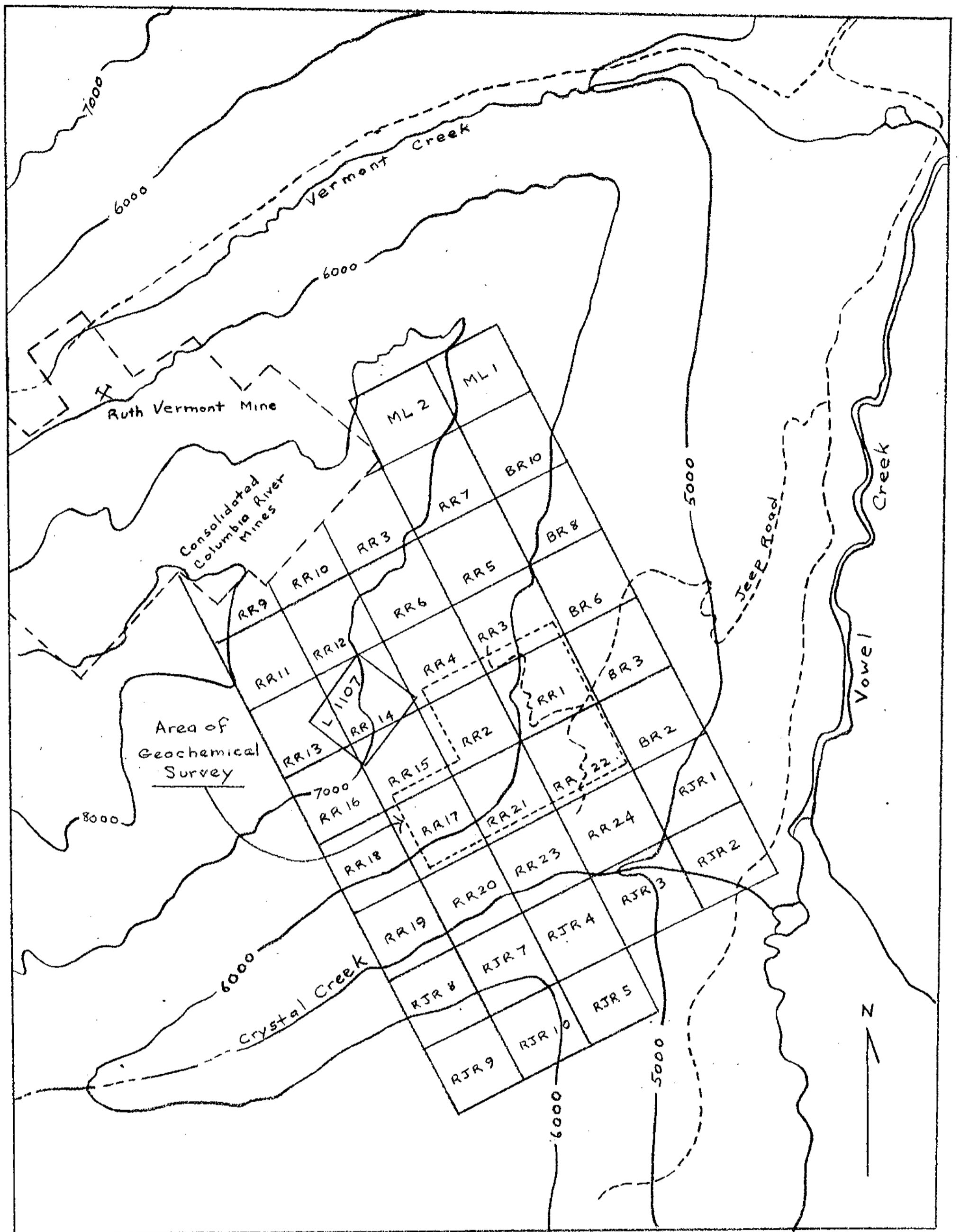
APEGGA Permit # P2391



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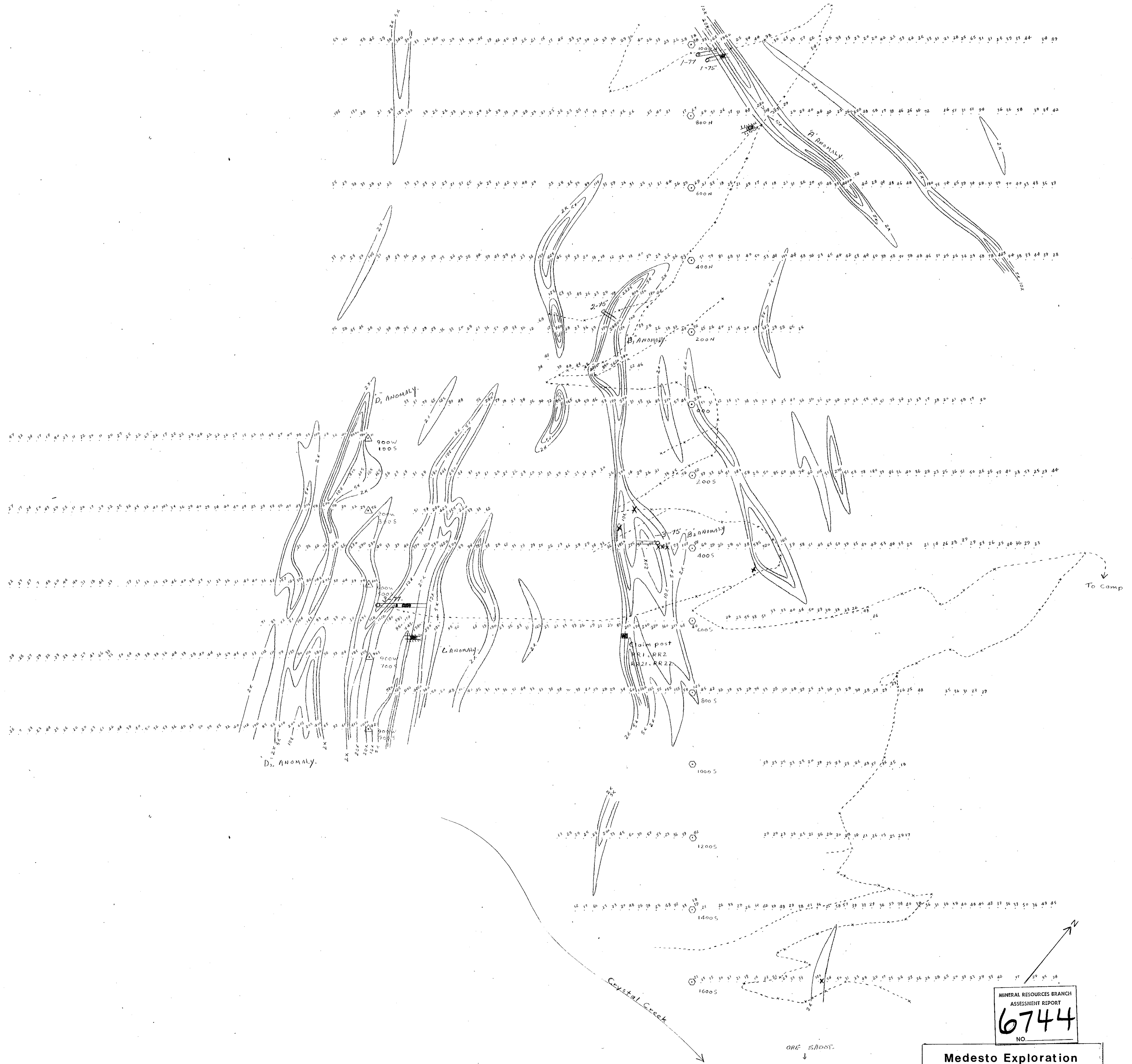
**Medesto Exploration
RJR Claims**
Surface Geology

- Qtz - Quartzite
- Ang - Angellite
- Ls - Limestone
- X - Mineral Showing
- Old D.D.M. (Loc. approx)
- Qtz. Vein
- Shear zone
- Cleavage Attitude
- Bedding Attitude



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Medesto Exploration Ltd.
 Index Map
 ME Claim Group
 Scale: 1" = 1500



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Medesto Exploration
RJR Claims
Lead in "B-C" Soil Zone
2x > 100 ppm
5x > 200 "
10x > 400 "
20x > 800 "
B.R.L. 1" = 100' Oct/77