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SOME NOTES ON THE GRIT CLAIMS AS PER OUR 1978 OBSERVATIONS AND RESULTS

AQUITAINE COMPANY OF CANADA LTD.

SOME NOTES ON THE GRIT CLAIMS AS PER OUR

1978 OBSERVATIONS AND RESULTS

TABLE OF CONTENTS

Introduction ..... Page 1

Physiography and Access ..... Page 1

Geology ..... Page 2

Mineralization ..... Page 3

Geochemistry ..... Page 4

Conclusion ..... Page 4

Appendix I - Soil and Stream Sediment Description and Geochemical Results

Appendix II - Loring Laboratories Ltd. Assays

Figures:

Figure 1 - Location Map ..... In Front of Page 1

Figure 2 - Geology and Location of Soil Stream Sediment Samples ..... In Pocket

Figure 3 - Soil and Stream Sediment Geochemistry - Lead ..... In Pocket

Figure 4 - Soil and Stream Sediment Geochemistry - Zinc ..... In Pocket

Figure 5 - Soil and Stream Sediment Geochemistry - Copper ... In Pocket

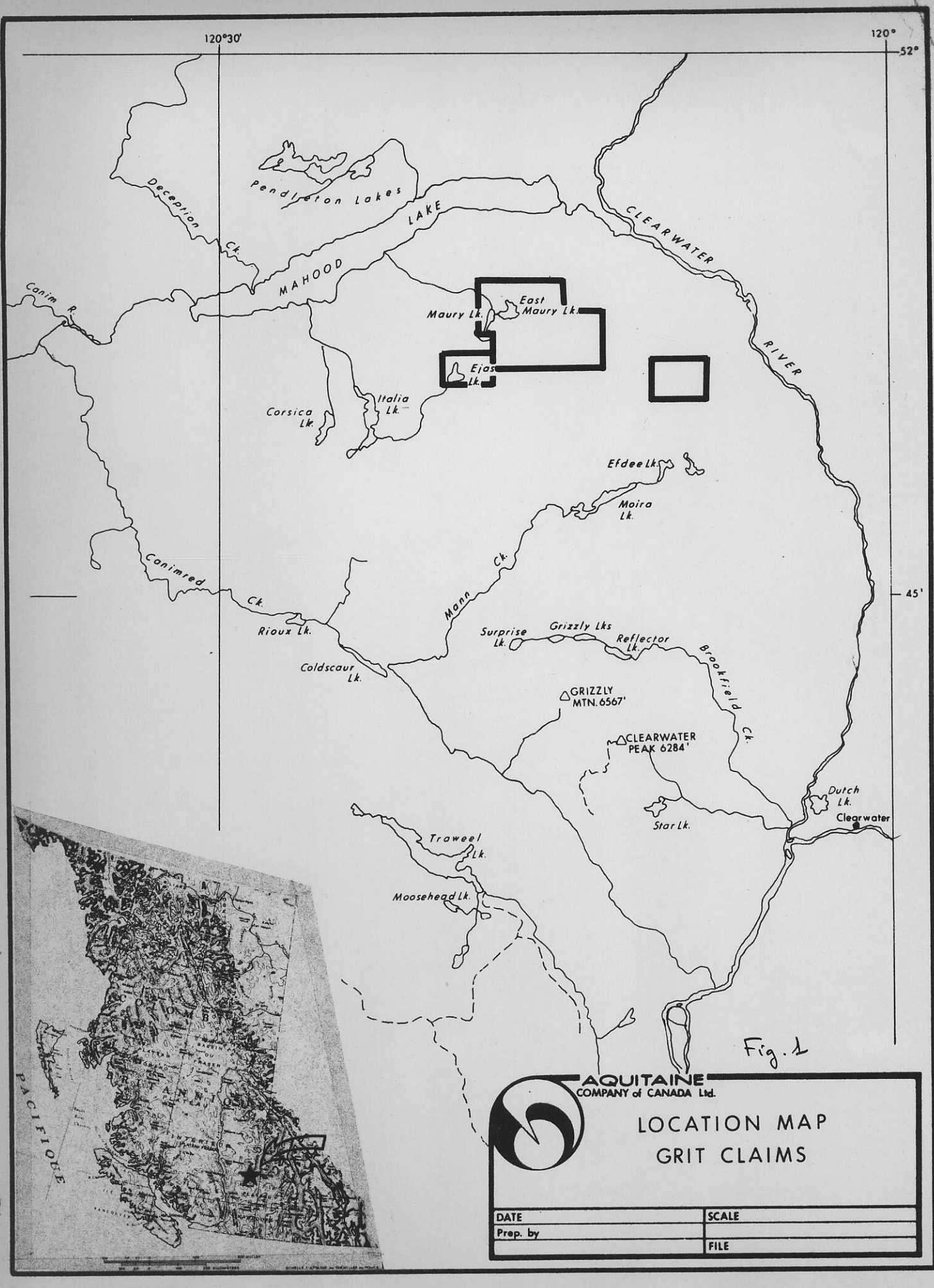

120°30'
120°
52°
45'
Deception Ck.
Pendleton Lakes
LAKE
MAHOOD
CLEARWATER
RIVER
Canim R.
East Maury Lk.
Maury Lk.
Ejas Lk.
Italia Lk.
Corsica Lk.
Efdee Lk.
Moira Lk.
Mann Ck.
Canimred Ck.
Rioux Lk.
Surprise Lk.
Grizzly Lks
Reflector Lk.
Brookfield Ck.
Coldscaur Lk.
GRIZZLY MTN. 6567'
CLEARWATER PEAK 6284'
Dutch Lk.
Clearwater
Star Lk.
Traweel Lk.
Moosehead Lk.
PACIFIQUE
AQUITAINE
COMPANY of CANADA Ltd.
LOCATION MAP
GRIT CLAIMS
DATE
SCALE
Prep. by
FILE

Fig. 1

INTRODUCTION

In the course of the preceding year Aquitaine Company of Canada Ltd. had optioned the GRIT claims for Barrier Reef Resources Ltd. (N.P.L.) of Vancouver. They consisted of free claims GRIT 1 to 5 which subsequently were increased in number up to 9.

GRIT No. 1	20 units	Record No. 680
GRIT No. 2	20 units	Record No. 681
GRIT No. 3	8 units	Record No. 768
GRIT No. 4	10 units	Record No. 769
GRIT No. 5	20 units	Record No. 794
GRIT No. 6	6 units	Record No. 986
GRIT No. 7	3 units	Record No. 1060
GRIT No. 8	3 units	Record No. 1116

Total of 96 units or 2400 hectares approximate (due to slight overlapping of claim GRIT 9 with GRIT 1 and 4).

Airborne magnetic and electromagnetic survey had been carried out and followed up by two ground EM checking test with grids laid out over GRIT 6 and GRIT 1 and 3. This work resulted in one diamond drill hole (G78-1) sunk over GRIT 6 to the northeast of Ejas Lake northern tip.

In light of the disappointing results obtained from the early 1978 drilling it was necessary to reaccess the geological potential of this property. Due to the nature of the area which underlies the claims, many examinations were carried out outside the boundaries of the claims themselves, but it was essential to obtain a better grasp of the area.

PHYSIOGRAPHY AND ACCESS

Access to the area is rated as excellent, a result of extensive logging operation by Clearwater Timber Products Ltd. working on their Tree Farm License No. 18 located to the northwest of the town of Clearwater. Ejas Lake at the southwest corner of the property is reached after driving 54 kilometres of good gravel road from the town bridge; a four wheel drive road circumscribes the property and gives access to the rock outcrops.

The GRIT claims cover portions of the northern termination of a high rolling plateau, just before it drops off sharply toward MacLeod Lake and Clearwater River. Generally part of the Interior Plateau, it is best described as belonging to the Shuswap Highlands which consists of broad, rounded mountains up to 1995 metres (Grizzly Mountain) separated by deep wide valleys filled with glacial alluvium.

The property is surrounded by higher reliefs which provides reasonable amounts of outcrop; however the main part is underlain by swampy to muskeg type, flatland with a few gentle hills in between. Besides bogs and weedy swamp, good stands of balsam fir and spruce are common over better drained areas.

GEOLOGY

The general mapping done by Campbell and Tippet (1971) shows the area to be underlain partly by Fennell formation (western approach) and for the most part by metamorphosed Kaza Group thrusted over the preceding unit (Re: Geology of Bonaparte Lake map area, G.S.C. Memoir 363).

The eastern portion, of the property, is underlain by grey to purple strongly foliated mica-schist containing mainly brown lustrous biotite and very siliceous. Often mica-schists show a spotted texture and banding with pure quartzite. There are also beds of pyrite and pyrrhotite. We also observed well defined layers of white to greenish micaceous quartzite and some outcrops of quartz-feldspar mica-schists. All facies contain a fair amount of pyrite giving a rusty weathering typical of this unit.

Very tightly folded, the rocks display a pervasive, fairly constant north-south foliation with an eastern dip (45° to 60°) with rare variations. Very tight kink and drag folds are seen in many outcrops but tend to be replaced by isoclinal folds. The rock assemblage belongs, according to the GSC map, to the Kaza Group of Proterozoic to Paleozoic age; it bears a strong resemblance to the rocks of the Shuswap Complex.

The "intrusive" Fennell formation as typified in great exposures at Clearwater Mountain, is observed on the very southwestern tip of the Grit claims on the western shore of Ejas Lake. It consists of green, massive, structureless, fine grained melanocratic diorite. Locally some shearing is present and also variation toward a more rhyolitic facies can be noticed, some with large books of biotite. Pyrite is common throughout the whole rock. Toward the northern tip of Ejas Lake, close to contact with the next schist unit, transition is marked by an aphanitic, dark green siliceous greywacke with many small hornblende needles.

All along the northern rim of the property from Ejas Lake to and past Goodwin Lake, good outcrops exposed schistose, black phyllite layered with cross-bedded psamitic quartzite and some quartz breccia and conglomerate. These schists display good foliation usually striking at 320° with 35° to 55° West dip and many crenulations; they are interbedded with thick pure white quartzite and green chloritic schistose quartzite. On the southern edge of the property, along the road, good outcropping of the same phyllite occur; they display the same constant bedding structure. The black phyllite are there somewhat carbonaceous with some cherty quartzite.

This unit is however intruded by a small stock of crystalline quartz monzonite (rich in K Feldspar and hornblende, locally chloritized), changing into fine-grained hornblende syenite. This stock is well schistosed at its contact with the schists and there, contains a great deal of pyrite. Its outcrops west and north of Maury Lake.

The schist-quartzite assemblage is very rich in cubic pyrite and is in everty respect similar to the rock sequence drilled in the early part of 1978. Although it has been well schistosed, the assemblage seems to have not been metamorphosed which separates it from the rock unit seen farther to the east (see above) as well as the foliation directions and dips. It is also in every point unrelated to the above mentioned Fennell formation.

The bedding or layering measured on outcrop is constantly conformable with schistosity which suggests either an isoclinal folding and transposed bedding or more probably the limb of a fold, away from the axial front.

The contact is not seen, nor can any age realtionship be derived from observation. If we are in fact looking at the true bedding, it would indicate that the phyllite are underlying the "intrusive" greenstone. The GSC geological map shows an easterly dipping thrust fault, but at the scale of the property, no evidence can be drawn. On the contrary, the rock seems to be in normal situation as discussed below.

Some geologists have suggested these phyllite are affiliated with the Sicamous formation of the Mount Ida Group of Jones (1959). Here it is best correlated with Unit 12b of Campbell and Tipper. However, relative situation of these two formations - Fennell and Unit 12b is still unresolved, but these authors persist to have the Fennell below the schists. As far as our observations go, we can only suggest the reverse.

A summary of the geology of the Grit property, is as follows from top to bottom:

- Intrusive phase of a small quartz monzonite stock (part of Raft Batholith (Cretaceous)).
- Greenstone, greywacke and "intrusive" diorite: Fennell formation.
- Black argillite, phyllite and quartzite with minor sedimentary breccia = Unit 12b (Mississippian or later?)
- Discontinuity (relation uncertain)
- Metamorphosed, strongly deformed quartz biotite schist, mica-schist, quartz-feldspar mica schist: Kaza Group (Proterozoic/ Paleozoic).

MINERALIZATION

In his report A.E. Nevin (1977) mentioned that in 1966, discovery of "non-transported" floats mineralized in lead and zinc sulfides was made, apparently just south of East Maury Lake in two areas, 750 metres apart.

Attempts were made this season to relocate these floats and a soil grid was implemented over the area. A few outcrops were spotted, mainly pyritic quartzite, pure quartzite and in one place (Re: Stop No. 21 on Location Geology map) was a vein stringer with a tiny bit of galena discovered. Also by digging through top soil, many sub-outcropping schist pieces were uncovered which is in good correlation with the general geological mapping.

However, several large size, rounded, boulders of coarse-grained granite and numerous smaller floats of quartz-biotite mica-schist and biotite quartzite are scattered all over the property as remains of glacial deposits. This observation led us to question the validity of the "non-transported" nature of these mineralized floats (one assayed 10.68% Pb, 950 g/T Ag and 0.7 g/T Au); it could have been a frost-split boulder.

Whatever the case, the mineralization is probably too restricted in size to have an expression either in terms of covered area or as a boulder train.

On two occasions, some copper mineralization, although minor, was seen in quartz-biotite mica-schist (stop numbers 5 and 12); the sulfides visually determined, consist of chalcopyrite and covellite disseminated along dry fractures. These sulfides did not amount to very much.

GEOCHEMISTRY

Several profiles of soil samples were implemented primarity over the area where mineralization had been reported and also over two zones where airborne EM conductors were detected. Many samples either soil or stream sediment from creeks or seepages were also taken and analyzed.

The results are shown on accompanying maps for zinc, lead and copper. The samples were also analyzed for uranium oxide and silver content. No striking values were obtained and stay within a uniform background especially as far as silver, copper maximum and lead are concerned. The exception is zinc which shows a great amount of variability, and it is best explained by its relationship to black carbonaceous phyllites and also in a few cases by the organic matter in the soil.

However, a group of samples, especially GRIT 180 to 182 located north of GRIT No. 5 and east of GRIT No. 2 displays relatively anomalous values in nearly every element. The area is underlain by dark biotite schist with little quartz-feldspatic interlayering, this very probably corresponds to metamorphosed organic black shales.

CONCLUSION

After examing the property and the regional geology it becomes obvious that we were lacking any guide for carrying on exploration. The geological considerations indicate that we do not have a fully expressed

volcanic regime or at least a complex vent structure (volcanic centre, caldera, volcanic bulge or equivalent); and no hydrothermal alteration was noticed. However, one should keep in mind that the percentage of outcrop is very low and consequently, large areas are not observed.

Along the same lines, the sedimentary sequences either metamorphosed or not, do not reveal any important variations or changes to lead toward possible mineralization on metal concentration phenomenon; and the nature of some horizons explains in a satisfactory manner the many geophysical anomalies as well as the geochemical peculiarities.

To conclude, we do not recommend, for the time being, further work on the property unless one is willing to devote a lot of time to trace back the origin of the mineralized boulders which were at the start of the staking and we failed to relocate. In this case, a bit of glacial geology would be of a great help.

H. Salat

HS/hs

APPENDIX

SOIL & STREAM SEDIMENTS (STR) DESCRIPTION AND

GEOCHEMICAL RESULTS

APPENDIX

SOIL & STREAM SEDIMENTS (STR) DESCRIPTION AND GEOCHEMICAL RESULTS

Sample	Description	U_3O_8 (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)
GRT 1	Str beside covellite occurrence in NE of claims	0.4	14	20	51	0.6
GRT 2	10 m above GRT 1 str	1.6	49	23	97	0.8
GRT 3	Ravine on W side of covellite	0.8	43	29	147	0.8
GRT 4	Gossans 100 m E of showing	1.0	63	34	81	0.5
GRT 5	Across road in str (east side)	0.2	19	22	128	0.5
GRT 6	Str bank on first curve south to east	0.2	17	27	80	0.5
GRT 7	Str same place	3.4	30	23	99	0.6
GRT 8	Ravine 70 m SE of 7. S side of road	0.4	5	17	23	0.3
GRT 9	Soil sample over Zn (garnets) showing	2.6	112	79	113	1.6
GRT 10	Rd 101, clay pit (in glory hole) decomposed rock	3.4	31	29	88	0.5
GRT 11	Str at mile 18 on Road No. 6	1.4	13	17	43	0.4
GRT 12	Str. 100' above 11	0.2	17	20	47	0.3
GRT 13	Str from W by 1st outcrop on W side of Ejas Lake	3.0	55	28	58	0.6
GRT 14	Str from W by hunter's parked truck (5 of No. 1 outcrop)	2.8	37	29	69	1.0
GRT 15	Same str. south branch	1.6	33	25	61	0.8
GRT 16	Str. on new road near post 42965:3E, 13. Below GRT 11	2.6	16	25	77	0.6
GRT 17	400' S along W shore of East Maury Lake	0.2	13	25	64	0.8
GRT 18	300' S	0.2	6	14	29	0.4
GRT 19	400' S of 18	0.4	11	50	184	1.0
GRT 20	On SW corner of Lake	12.0	21	14	30	1.3
GRT 21	On NW side of outlet of Lake	0.6	2	13	13	0.2
GRT 22	Str. 100' below outlet	2.6	10	17	84	0.5
GRT 23	S of outlet	1.0	18	33	79	0.6
GRT 24	Shoreline SW of island	4.2	37	37	310	1.5
GRT 25	Seep S of island	3.0	75	51	105	1.5
GRT 26	700' S of grassy bay on SE end of East Maury Lake	2.2	47	153	410	1.7
GRT 27	500' S of 26	0.8	31	108	390	1.0
GRT 28	500' S	1.6	18	43	149	1.0
GRT 29	500' SW along swamp	0.4	4	21	36	0.5
GRT 30	500' N of 29 in ravine (str)	0.6	17	25	99	0.4
GRT 31	500' N	6.6	38	36	73	3.0

Sample	Description	U_3O_8 (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)
GRT 32	500' N	0.4	5	11	25	0.5
GRT 33	500' N str organic	0.2	12	21	103	0.5
GRT 34	500' N at Lake shore in ravine drain	2.4	17	29	83	1.2
GRT 35	500' W along Lake shore on L 2 W	4.4	20	35	48	1.3
GRT 36	500' S	0.4	6	18	36	0.5
GRT 37	500' S hill	2.4	45	69	120	1.8
GRT 38	500' S small valley	3.4	31	82	174	2.0
GRT 39	500' S sloping swamp	2.0	20	49	320	1.6
GRT 40	500' W on L 3 W	1.0	16	29	105	0.5
GRT 41	500' N	0.8	7	37	68	0.6
GRT 42	500' N	4.4	43	39	50	1.5
GRT 43	500' N - 100' E of Pb peab	1.0	9	81	144	0.3
GRT 44	East side of Pb peak (200' N of 43)	0.6	9	34	68	0.7
GRT 45	NW 40' of 44	0.6	12	29	122	0.6
GRT 46	50' W of 45	0.6	14	66	182	0.9
GRT 47	100' SW of 46	0.8	6	15	33	0.4
GRT 48	400' N of 43	0.6	7	17	50	0.6
GRT 49	100' E of 48	0.8	31	31	116	0.5
GRT 50	100' W of 48	0.4	3	6	15	0.2
GRT 51	500' N of 43	5.8	11	33	98	1.0
GRT 52	300' N of 51	2.4	31	23	183	0.7
GRT 53	On Lake shore N of 52	2.2	12	11	103	0.2
GRT 54	Str. from W on N end of Ejas Lake	1.8	20	26	66	0.4
GRT 55	100' upstream	1.8	16	25	66	0.5
GRT 56	300' N along road	1.2	17	21	78	0.4
GRT 57	300' N along road opposite DDH road	1.6	30	35	230	0.8
GRT 58	On DDH grid. Base line 1 + 50 S	1.2	14	26	138	0.5
GRT 59	On DDH grid. Base line 2 + 00 S	0.4	9	22	34	0.5
GRT 60	Str. from W. N along road from 57 S of shale outcrop	2.6	26	37	690	1.0
GRT 61	100' upstream	2.6	27	34	106	1.0
GRT 62	200' upstream. Left branch. Corner Post 2 N Grit 6	2.2	39	41	140	1.2
GRT 63	Rt. branch	2.4	24	35	112	1.2
GRT 64	Str. 100 m N of claim line above shale outcrop	10.2	55	48	165	2.1
GRT 65	100' upstream	8.0	41	43	151	2.2
GRT 66	Str. along shale cliff, N side of shale ridge	11.4	45	136	350	2.3
GRT 67	Below slope of granite outcrop	9.2	28	35	141	1.2
GRT 68	150' along slope	2.6	32	36	134	0.7
GRT 69	Slope 100 m N of granite outcrop	1.4	21	28	84	0.8
GRT 70	Slope ravine	6.4	40	32	86	1.3
GRT 71	At sharp turn in road east. S side	1.2	22	31	96	0.7
GRT 72	200 m E on S side of road	1.0	22	35	93	0.6
GRT 73	300 m E, on N side	1.8	14	39	49	0.5
GRT 74	Ravine same as 73	4.4	58	33	104	0.8
GRT 74A		1.4	20	21	68	0.6
GRT 75	Str. drain out of Lake below road crsg.	0.8	21	24	80	0.7
GRT 76	By Grit No. 1 legal post. NW point of E Maury Lake	2.0	29	24	76	1.0
GRT 76A	Str. N side of road	1.0	8	26	63	0.7

Sample	Description	U_3O_8 (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)
GRT 77	250 m E along road on N side (ravine)	3.2	43	21	53	0.8
GRT 78	Str from E on Centre of E Maury Lake	0.4	6	17	63	0.3
GRT 79	Shore of Lake L4W grid south of Pb peak	0.8	13	20	58	0.5
GRT 80	500' S	0.4	12	91	330	1.5
GRT 81	500' S	0.6	4	19	22	0.3
GRT 82	500' S	1.2	26	69	88	1.2
GRT 83	500' S	2.0	32	39	124	0.7
GRT 84	250' S	1.4	20	29	81	0.8
GRT 85	250' S	0.8	10	23	43	0.7
GRT 86	250' S	2.8	10	28	41	0.5
GRT 87	250' S	0.2	11	24	49	0.5
GRT 88	500' W on L5W along claim line	0.4	6	15	11	0.3
GRT 89	250' N	3.6	19	25	63	1.0
GRT 90	250' N	2.2	21	33	83	0.7
GRT 91	250' N near corner post of Grit 4-42614 also Grit 9	0.6	7	25	43	1.3
GRT 92	250' N	0.2	22	33	75	0.9
GRT 93	500' N	1.0	24	45	123	0.7
GRT 94	500' N	0.4	13	50	134	0.7
GRT 95	500' N	0.4	13	31	45	0.3
GRT 96	500' N	1.0	23	40	83	0.6
GRT 97	400' N on shoreline	Nil	3	17	41	0.3
GRT 98	Near new road above Zn (garnet) show (GRT-9)	0.4	9	32	41	0.8
GRT 99	250' W	2.0	34	13	26	0.8
GRT 100	250' W	5.4	71	55	530	1.7
GRT 101	50' W str.	1.6	19	37	300	1.2
GRT 102	250' W	0.4	7	18	28	0.4
GRT 103	250' W	0.2	53	25	74	0.6
GRT 104	250' W	5.4	81	58	139	2.4
GRT 105	250' W	2.0	16	29	91	1.2
GRT 106	250' W	2.6	29	33	63	0.8
GRT 107	250' W	0.6	26	29	49	0.9
GRT 108	Str. 250' W - 250' W of 108 outcrop of qtzte fine gr blackish with pyrite folia. N 30 W fract pat S 40 W	7.2	129	69	181	2.0
GRT 109	500' W of 108. Timber yard by Pot Lake qtzite bio schist	0.2	5	16	14	0.8
GRT 110	East of timber pile (S of Pot Lake)	3.0	49	34	145	0.6
GRT 111	150' E over hill with graph? black boulders	0.2	8	12	36	0.5
GRT 112	150' E	5.6	15	24	121	0.7
GRT 112A	150' E	1.0	38	38	93	1.2
GRT 113	150' E	0.2	7	14	31	0.2
GRT 114	150' E; 100' before road	5.4	20	23	81	0.4
GRT 115	150' E across road (on E side)	0.2	2	4	14	0.4
GRT 116	150' E	0.4	3	6	18	0.2
GRT 117	Start from cut area N to airborne anomalies on NE	1.0	7	21	49	0.6
GRT 118	500' N	1.2	24	22	2020	0.8
GRT 119	300' N by grassy swamp	2.0	21	35	129	0.5
GRT 120	500' N	0.8	8	16	31	0.4

Sample	Description	U_3O_8 (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)
GRT 121	350' N ravine	2.4	59	42	123	1.0
GRT 122	500' N	0.4	13	26	180	0.5
GRT 123	500' N lost sample					
GRT 124	500' N steep slope to E	0.6	10	23	50	0.5
GRT 125	500' N	0.4	15	22	74	0.4
GRT 126	500' W New Line to West at 126 + 300' S large outcrop of qtzte bedded at N 40 W. Many other outcrop similar in area.	2.4	26	23	75	0.6
GRT 127	500' S	0.2	4	14	39	0.5
GRT 128	250' S ravine	2.4	11	23	74	0.5
GRT 129	300' S swamp	1.8	18	33	280	0.5
GRT 130	500' S	1.0	26	33	240	0.7
GRT 131	500' S	1.4	21	24	37	0.5
GRT 132	500' S	3.4	28	32	148	0.7
GRT 133	500' S edge of cut area	0.4	22	31	176	1.2
GRT 134	200' S in ravine, cut area. Many small swamps in between outcrops of qtzte of various grades, some with minor biotite changing to black foliated qtzte to black shale (qtzte) possibly graphitic about 80% grey qtzte.	2.4	71	37	197	0.6
GRT 135	Extreme West airborne anomaly above shale outcrop at str sample GRT 65 (500' W of road).	0.4	3	6	18	0.3
GRT 136	500' W	1.2	44	71	183	1.0
GRT 137	350' W ravine	3.2	69	105	370	2.1
GRT 138	500' W ravine, sample 138 + 250' W outcrop of shale similar to road occurrence.	0.6	8	19	93	0.6
GRT 139	500' W	1.4	20	31	99	0.8
GRT 140	400' W str. swamp qtzte schist + string py.	1.0	15	33	185	0.5
GRT 141	500' W	0.6	7	29	56	0.6
GRT 142	500' W Turn N	3.0	48	35	117	1.2
GRT 143	500' N	1.8	27	21	52	0.4
GRT 144	500' N Trun E	1.6	14	26	95	0.5
GRT 145	300' E ravine	1.4	15	32	68	1.0
GRT 146	500' E	2.8	12	28	77	0.5
GRT 147	500' E	2.0	18	29	59	0.5
GRT 148	300' E edge of drainage swamp	10.8	60	47	84	1.4
GRT 149	500' E	2.4	28	47	189	1.1
GRT 150	500' E	6.0	69	340	300	1.5
GRT 151	400' E qtz vein along atzte NW-SE	8.2	35	300	620	1.6
GRT 152	500' E	0.6	14	24	111	0.8
GRT 153	500' E above granite outcrop beside road.	0.4	11	28	78	0.7
GRT 154	300' E of road from GRT 65 toward Maury Lake	0.8	18	28	125	0.7
GRT 155	300' E	Nil	6	19	35	0.5
GRT 156	300' E	0.2	5	27	21	0.3

Sample	Description	U_3O_8 (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)
GRT 157	300' E near lake shore. Turn 1000' N along shore	0.4	8	23	39	0.5
GRT 158	Str. from W 250' N of GRT 137	5.0	31	18	102	0.5
GRT 159	See 161 ravine; line going W	6.2	29	29	87	1.2
GRT 160	300' W of 159	1.8	20	27	75	0.5
GRT 161	300' W of 160 On NW tip of lake	5.0	36	41	96	1.0
GRT 162	300' W	0.2	20	25	97	0.7
GRT 163	300' W	7.6	51	39	143	1.2
GRT 164	300' W	1.0	31	32	115	1.2
GRT 165	300' W	0.2	16	33	171	0.5
GRT 166	300' W - 200' W to road at granite outcrop	16.4	100	42	360	1.4
GRT 167	In str. N of Maury Lake check on GRT 75	0.4	16	23	103	0.5
GRT 168	4000' N of cut area. Extend sampling of GRT 117 to 134 of NE airborne anomalies. White qtzte massive for 2000'.	12.8	61	31	97	1.3
GRT 169	500' N start of qtzte schist in knobs folia N 10 W fracture and qtz filling N 20 E. Hillside very thick with alders	Nil	4	13	21	0.2
GRT 170	500' N end of outcrop area slope; flat big trees	2.6	23	25	159	0.4
GRT 171	100' N str.	0.8	15	18	117	0.5
GRT 172	100' NE downstr.	1.4	13	17	113	0.3
GRT 173	500' N	3.4	59	27	131	1.5
GRT 174	500' N	0.8	20	24	290	1.1
GRT 175	300' N Turn W	5.2	49	37	1030	1.0
GRT 176	500' W	0.6	14	19	100	0.8
GRT 177	500' W Turn S	0.8	17	20	123	0.6
GRT 178	500' S	0.4	21	25	161	0.6
GRT 179	500' S, black shale	1.4	27	31	230	0.6
GRT 180	500' S, black qtzte shale	22.0	113	31	1510	1.0
GRT 181	500' S, qtzte schist	38.0	430	39	2840	1.8
GRT 182	500' S	52.0	400	1950	770	8.3
GRT 183	500' S	5.8	74	350	360	2.5
GRT 184	500' S	1.6	24	37	111	0.4
GRT 185	500' S	0.2	17	27	53	0.6
GRT 186	500' S	0.2	15	19	62	0.5
GRT 187	500' S	4.2	41	138	980	2.6
GRT 188	500' S	0.8	36	28	146	0.7
GRT 189	500' S	1.0	14	27	230	0.8
GRT 190	500' S (1000' to cut area at sample GRT 134)	2.2	41	64	480	1.0
GRT 191	Gossan on road by Pot Lake	4.4	47	43	240	1.8
GRT 192	200' N Gossan in timber yard	4.2	70	42	290	1.0
GRT 193	Gossan on road by GRT 115	2.4	22	41	184	1.2

APPENDIX II

LORING LABORATORIES LTD. ASSAYS

To: AQUITAINE COMPANY OF CANADA LTD.,
2,000 , 540-5th Avenue S.W.
CALGARY , Alberta T2P 0M4

Attn : Hughes Salat

File No. 16065
Date October 25th , 1978
Samples Soil

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPM U308	PPM Cu	PPM Pb	PPM Zn	PPM Ag
GRT 1	0.4	14	20	51	0.6
GRT 2	1.6	49	23	97	0.8
GRT 3	0.8	43	29	147	0.8
GRT 4	1.0	63	34	81	0.5
GRT 5	0.2	19	22	128	0.5
GRT 6	0.2	17	27	80	0.5
GRT 7	3.4	30	23	99	0.6
GRT 8	0.4	5	17	23	0.3
GRT 9	2.6	112	79	113	1.6
GRT 10	3.4	31	29	88	0.5
GRT 11	1.4	13	17	43	0.4
GRT 12	0.2	17	20	47	0.3
GRT 13	3.0	55	28	58	0.6
GRT 14	2.8	37	29	69	1.0
GRT 15	1.6	33	25	61	0.8
GRT 16	2.6	16	25	77	0.6
GRT 17	0.2	13	25	64	0.8
GRT 18	0.2	6	14	29	0.4
GRT 19	0.4	11	50	184	1.0
GRT 20	12.0	21	14	30	1.3
GRT 21	0.6	2	13	13	0.2
GRT 22	2.6	10	17	84	0.5
GRT 23	1.0	18	33	79	0.6
GRT 24	4.2	37	37	310	1.5
GRT 25	3.0	75	51	105	1.5
GRT 26	2.2	47	153	410	1.7
GRT 27	0.8	31	108	390	1.0
GRT 28	1.6	18	43	149	1.0
GRT 29	0.4	4	21	36	0.5
GRT 30	0.6	17	25	99	0.4
GRT 31	6.6	38	36	73	3.0

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. J. McGrade

Licensed Assayer of British Columbia

To: AQUITAINE COMPANY OF CANADA LTD.
2,000 , 540-5th Avenue S.W.
CALGARY , Alberta T2P 0M4

Attn : Hughes Salat

File No. 16065
Date October 25th , 1978
Samples Soil

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPM U308	PPM Cu	PPM Pb	PPM Zn	PPM Ag
GRT 32	0.4	5	11	25	0.5
GRT 33	0.2	12	21	103	0.5
GRT 34	2.4	17	29	83	1.2
GRT 35	4.4	20	35	48	1.3
GRT 36	0.4	6	18	36	0.5
GRT 37	2.4	45	69	120	1.8
GRT 38	3.4	31	82	174	2.0
GRT 39	2.0	20	49	320	1.6
GRT 40	1.0	16	29	105	0.5
GRT 41	0.8	7	37	68	0.6
GRT 42	4.4	43	39	50	1.5
GRT 43	1.0	9	81	144	0.3
GRT 44	0.6	9	34	68	0.7
GRT 45	0.6	12	29	122	0.6
GRT 46	0.6	14	66	182	0.9
GRT 47	0.8	6	15	33	0.4
GRT 48	0.6	7	17	50	0.6
GRT 49	0.8	31	31	116	0.5
GRT 50	0.4	3	6	15	0.2
GRT 51	5.8	11	33	98	1.0
GRT 52	2.4	31	23	183	0.7
GRT 53	2.2	12	11	103	0.2
GRT 54	1.8	20	26	66	0.4
GRT 55	1.8	16	25	66	0.5
GRT 56	1.2	17	21	78	0.4
GRT 57	1.6	30	35	230	0.8
GRT 58	1.2	14	26	138	0.5
GRT 59	0.4	9	22	34	0.5
GRT 60	2.6	26	37	690	1.0
GRT 61	2.6	27	34	106	1.0
GRT 62	2.2	39	41	140	1.2

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. J. McGoade

Licensed Assayer of British Columbia

To: AQUITAINE COMPANY OF CANADA LTD.
2,000 , 540-5th Avenue S.W.
CALGARY , Alberta T2P 0M4

Attn : Hughes Salat

File No. 16065
Date October 25th , 1978
Samples Soil

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPM U308	PPM Cu	PPM Pb	PPM Zn	PPM Ag
GRT 63	2.4	24	35	112	1.2
GRT 64	10.2	55	48	165	2.1
GRT 65	8.0	41	43	151	2.2
GRT 66	11.4	45	136	350	2.3
GRT 67	9.2	28	35	141	1.2
GRT 68	2.6	32	36	134	0.7
GRT 69	1.4	21	28	84	0.8
GRT 70	6.4	40	32	86	1.3
GRT 71	1.2	22	31	96	0.7
GRT 72	1.0	22	35	93	0.6
GRT 73	1.8	14	39	49	0.5
GRT 74	4.4	58	33	104	0.8
GRT 74A	1.4	20	21	68	0.6
GRT 75	0.8	21	24	80	0.7
GRT 76	2.0	29	24	76	1.0
GRT 76A	1.0	8	26	63	0.7
GRT 77	3.2	43	21	53	0.8
GRT 78	0.4	6	17	63	0.3
GRT 79	0.8	13	20	58	0.5
GRT 80	0.4	12	91	330	1.5
GRT 81	0.6	4	19	22	0.3
GRT 82	1.2	26	69	88	1.2
GRT 83	2.0	32	39	124	0.7
GRT 84	1.4	20	29	81	0.8
GRT 85	0.8	10	23	43	0.7
GRT 86	2.8	10	28	41	0.5
GRT 87	0.2	11	24	49	0.5
GRT 88	0.4	6	15	11	0.3
GRT 89	3.6	19	25	63	1.0
GRT 90	2.2	21	33	83	0.7
GRT 91	0.6	7	25	43	1.3

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. J. McGoade

Licensed Assayer of British Columbia

To: AQUITAINE COMPANY OF CANADA LTD.
2,000 , 540-5th Avenue S.W.
CALGARY , Alberta T2P 0M4

Attn : Hughes Salat

File No. 16065
Date October 25th , 1978
Samples Soil

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPM U308	PPM Cu	PPM PB	PPM Zn	PPM Ag
GRT 92	0.2	22	33	75	0.9
GRT 93	1.0	24	45	123	0.7
GRT 94	0.4	13	50	134	0.7
GRT 95	0.4	13	31	45	0.3
GRT 96	1.0	23	40	83	0.6
GRT 97	Nil	3	17	41	0.3
GRT 98	0.4	9	32	41	0.8
GRT 99	2.0	34	13	26	0.8
GRT 100	5.4	71	55	530	1.7
GRT 101	1.6	19	37	300	1.2
GRT 102	0.4	7	18	28	0.4
GRT 103	0.2	53	25	74	0.6
GRT 104	5.4	81	58	139	2.4
GRT 105	2.0	16	29	91	1.2
GRT 106	2.6	29	33	63	0.8
GRT 107	0.6	26	29	49	0.9
GRT 108	7.2	129	69	181	2.0
GRT 109	0.2	5	16	14	0.8
GRT 110	3.0	49	34	145	0.6
GRT 111	0.2	8	12	36	0.5
GRT 112	5.6	15	24	121	0.7
GRT 112A	1.0	38	38	93	1.2
GRT 113	0.2	7	14	31	0.2
GRT 114	5.4	20	23	81	0.4
GRT 115	0.2	2	4	14	0.4
GRT 116	0.4	3	6	18	0.2
GRT 117	1.0	7	21	49	0.6
GRT 118	1.2	24	22	2020	0.8
GRT 119	2.0	21	35	129	0.5
GRT 120	0.8	8	16	31	0.4
GRT 121	2.4	59	42	123	1.0

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. J. McIsaac

Licensed Assayer of British Columbia

To: AQUITAINE COMPANY OF CANADA LTD.
2,000 , 540-5th Avenue, S.W.
CALGARY , Alberta T2P 0M4

Attn : Hughes Salet

File No. 16065
Date October 25th , 1978
Samples Soil

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPM U308	PPM Cu	PPM Pb	PPM Zn	PPM Ag
GRT 122	0.4	13	26	180	0.5
GRT 124	0.6	10	23	50	0.5
GRT 125	0.4	15	22	74	0.4
GRT 126	2.4	26	23	75	0.6
GRT 127	0.2	4	14	39	0.5
GRT 128	2.4	11	23	74	0.5
GRT 129	1.8	18	33	280	0.5
GRT 130	1.0	26	33	240	0.7
GRT 131	1.4	21	24	37	0.5
GRT 132	3.4	28	32	148	0.7
GRT 133	0.4	22	31	176	1.2
GRT 134	2.4	71	37	197	0.6
GRT 135	0.4	3	6	18	0.3
GRT 136	1.2	44	71	183	1.0
GRT 137	3.2	69	105	370	2.1
GRT 138	0.6	8	19	93	0.6
GRT 139	1.4	20	31	99	0.8
GRT 140	1.0	15	33	185	0.5
GRT 141	0.6	7	29	56	0.6
GRT 142	3.0	48	35	117	1.2
GRT 143	1.8	27	21	52	0.4
GRT 144	1.6	14	26	95	0.5
GRT 145	1.4	15	32	68	1.0
GRT 146	2.8	12	28	77	0.5
GRT 147	2.0	18	29	59	0.5
GRT 148	10.8	60	47	84	1.4
GRT 149	2.4	28	47	189	1.1
GRT 150	6.0	69	340	300	1.5
GRT 151	8.2	35	300	620	1.6
GRT 152	0.6	14	24	111	0.8
GRT 153	0.4	11	28	78	0.7

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. McIsaac

Licensed Assayer of British Columbia

To: AQUITAINE COMPANY OF CANADA LTD.
2,000 , 540-5th Avenue S.W.
CALGARY , Alberta T2P 0M4

Attn : Hughes Salat

File No. 16065
Date October 25th , 1978
Samples Soils

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPM U308	PPM Cu	PPM Pb	PPM Zn	PPM Ag
GRT 154	0.8	18	28	125	0.7
GRT 155	Nil	6	19	35	0.5
GRT 156	0.2	5	27	21	0.3
GRT 157	0.4	8	23	39	0.5
GRT 158	5.0	31	18	102	0.5
GRT 159	6.2	29	29	87	1.2
GRT 160	1.8	20	27	75	0.5
GRT 161	5.0	36	41	96	1.0
GRT 162	0.2	20	25	97	0.7
GRT 163	7.6	51	39	143	1.2
GRT 164	1.0	31	32	115	1.2
GRT 165	0.2	16	33	171	0.5
GRT 166	16.4	100	42	360	1.4
GRT 167	0.4	16	23	103	0.5
GRT 168	12.8	61	31	97	1.3
GRT 169	Nil	4	13	21	0.2
GRT 170	2.6	23	25	159	0.4
GRT 171	0.8	15	18	117	0.5
GRT 172	1.4	13	17	113	0.3
GRT 173	3.4	59	27	131	1.5
GRT 174	0.8	20	24	290	1.1
GRT 175	5.2	49	37	1030	1.0
GRT 176	0.6	14	19	100	0.8
GRT 177	0.8	17	20	123	0.6
GRT 178	0.4	21	25	161	0.6
GRT 179	1.4	27	31	230	0.6
GRT 180	22.0	113	31	1510	1.0
GRT 181	38.0	430	39	2840	1.8
GRT 182	52.0	400	1950	770	8.3
GRT 183	5.8	74	350	360	2.6
GRT 184	1.6	24	37	111	0.4

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.

A. J. McLeod

Licensed Assayer of British Columbia

To: AQUITAINE COMPANY OF CANADA LTD.
2,000 , 540-5th Avenue S.W.
CALGARY , Alberta T2P 0M4

Attn : Hughes Salat

File No. 16065
Date October 25th , 1978
Samples Soils

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	PPM U308	PPM Cu	PPM Pb	PPM Zn	PPM Ag
GRT 185	0.2	17	27	53	0.6
GRT 186	0.2	15	19	62	0.5
GRT 187	4.2	41	138	980	2.6
GRT 188	0.8	36	28	146	0.7
GRT 189	1.0	14	27	230	0.8
GRT 190	2.2	41	64	480	1.0
GRT 191	4.4	47	43	240	1.8
GRT 192	4.2	70	42	290	1.0
GRT 193	2.4	22	41	184	1.2

GRT 123 Missing

Also included in order are the following:

GRT 74A
GRT 76A
GRT 112A

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. J. McGrade

Licensed Assayer of British Columbia

INTRUSIVE
GRANITE
(CRETACEOUS?)

GRIT # 4
GRIT # 3
GRIT # 1
GRIT # 2
GRIT # 9
GRIT # 8
GRIT # 6
GRIT # 7
GRIT # 5

LCP

STOP 1 — Very fine grained rhyolite. Porphyritic biotite rhyolite becoming smaller or grain size to N. Green to grey microlitic more silicic chilled diorite. Dark green melanocratic diorite.

STOP 2 — Black carbonaceous schist. Heavy sandy layers and quartz breccia. Well layered phyllite and quartzite, some interbeds of cross-bedded psammitic quartzite.

STOP 3 — Large grained K feldspar-chlorite granite to monzonite. Pyritic schist at contact.

STOP 4 — Small outcrop of grey-medium sized grained hornblende-chlorite monzonite to syenite.

STOP 5 — Green, purple quartzitic biotite schist. Purple biotite-spotted micaschist. Pyrite, pyrrhotite, covellite, chalcopyrite.

STOP 6 — Quartz biotite micaschist. Greenish quartzite.

STOP 7 — Black carbonaceous argillite with minor quartzite interlayers. Grey quartzite with minor argillite partings.

STOP 8 — Layered quartzite and schist at base. Massive thick grey quartzite at top.

STOP 9 — Green chloritic slightly schistose quartzite in large boulders (floats or sub-outcrop ?)

STOP 10 — Micaschist in part quartzitic with irregular beds (1 to 2 cm thick) of pyrite and specks of chalcopyrite (gossan area).

STOP 11 — Quartz-Feldspar schist with boudinaged beds of biotite. Quartz spotted micaschist.

STOP 12 — Biotite-chlorite quartzite. Micaschist. Lot of pyrite, specks of covellite, chalcopyrite.

STOP 13 — Biotite, chlorite, quartzite. Minor micaschist. Abundant disseminated pyrite.

STOP 14 — Fault zone filled with leached quartzite. On both sides: white quartzite, light green chloritic quartzite, dark grey blebby (biotite) Quartzite - lot of pyrite.

STOP 15 — Black carbonaceous phyllite many quartzitic interlayers. To the west unit of "blebby" quartzite (elongated rounded bowlingue dark quartz rounded bluish quartz and more angular spots of fine grained white quartz) associated to a 315° striking fault.

STOP 16 — Cherty looking quartzite. Schistose white quartzite with contorted parting west of above unit.

STOP 17 — Very fine grained greenish diorite.

STOP 18 — Very fine grained green diorite somewhat schistose.

STOP 19 — White pyritic quartzite.

STOP 20 — Whitish to grey quartzite with pyrite and argillic partings.

STOP 21 — Chert and quartzite, with several cross-cutting quartz veins (one containing some galena).

STOP 22 — Dark green very fine grained greywacke with hornblende needles.

Dark grey very fine quartz biotite micaschist

DDH # G-78-1

"FENNELL FORMATION" — "SICAMOUS" FORMATION — KAZA GROUP

LEGEND

- OUTCROPPING AREA
- BEDDING
- FOLIATION
- LINEATION
- DIACLASE
- FOLD AXIS PLUNGE
- SAMPLE LOCATION

MILES 1 0 1 2 MILES
KILOMETRE 0 1 2 3 4 KILOMETRE

inches 0 1 2
centimetres 0 1 2 3 4 5

This reference scale bar has been added to the original image. It will change if the image is sized on the image, therefore it can be used as a reference for the original size.

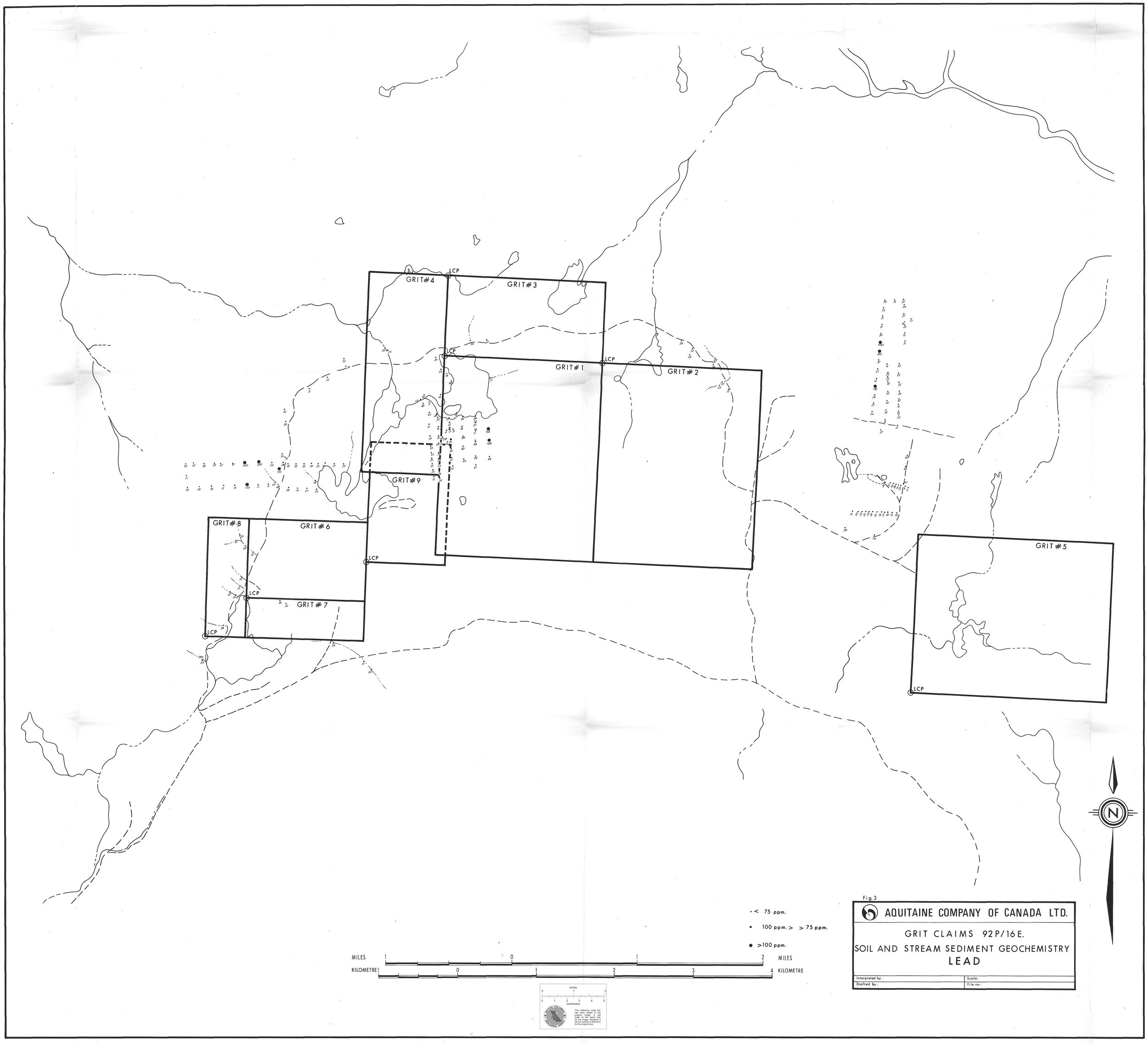
N

Fig. 2

AQUITAINE COMPANY OF CANADA LTD.

GRIT CLAIMS 92P/16E.
GEOLOGY
AND
LOCATION OF SOIL-STREAM SEDIMENT SAMPLES

Interpreted by:	Scale:
Drafted by:	File no:


GRIT#4
GRIT#3
GRIT#1
GRIT#2
GRIT#9
GRIT#8
GRIT#6
GRIT#7
GRIT#5
LCP
N
• < 75 ppm.
• 100 ppm. > > 75 ppm.
● >100 ppm.
MILES 1 0 1 2 MILES
KILOMETRE 1 0 1 2 3 4 KILOMETRE
inches
centimetres
Fig. 3
AQUITAINE COMPANY OF CANADA LTD.
GRIT CLAIMS 92P/16E.
SOIL AND STREAM SEDIMENT GEOCHEMISTRY
LEAD
Interpreted by:
Drafted by:
Scale:
File no:

GRIT# 4

GRIT# 3

GRIT# 1

GRIT# 2

GRIT# 9

GRIT# 8

GRIT # 6

GRIT # 7

GRIT # 5

LCP

- < 120 ppm.
- 170 ppm. > >120 ppm.
- >170 ppm.

MILES 1 0 1 2 MILES

KILOMETRE 1 0 1 2 3 4 KILOMETRE

inches 0 1 2

centimetres 0 1 2 3 4 5

This reference scale bar has been added to the original image. It will scale at the same ratio as the original and may now be used as a reference for the original size.

N

Fig. 4

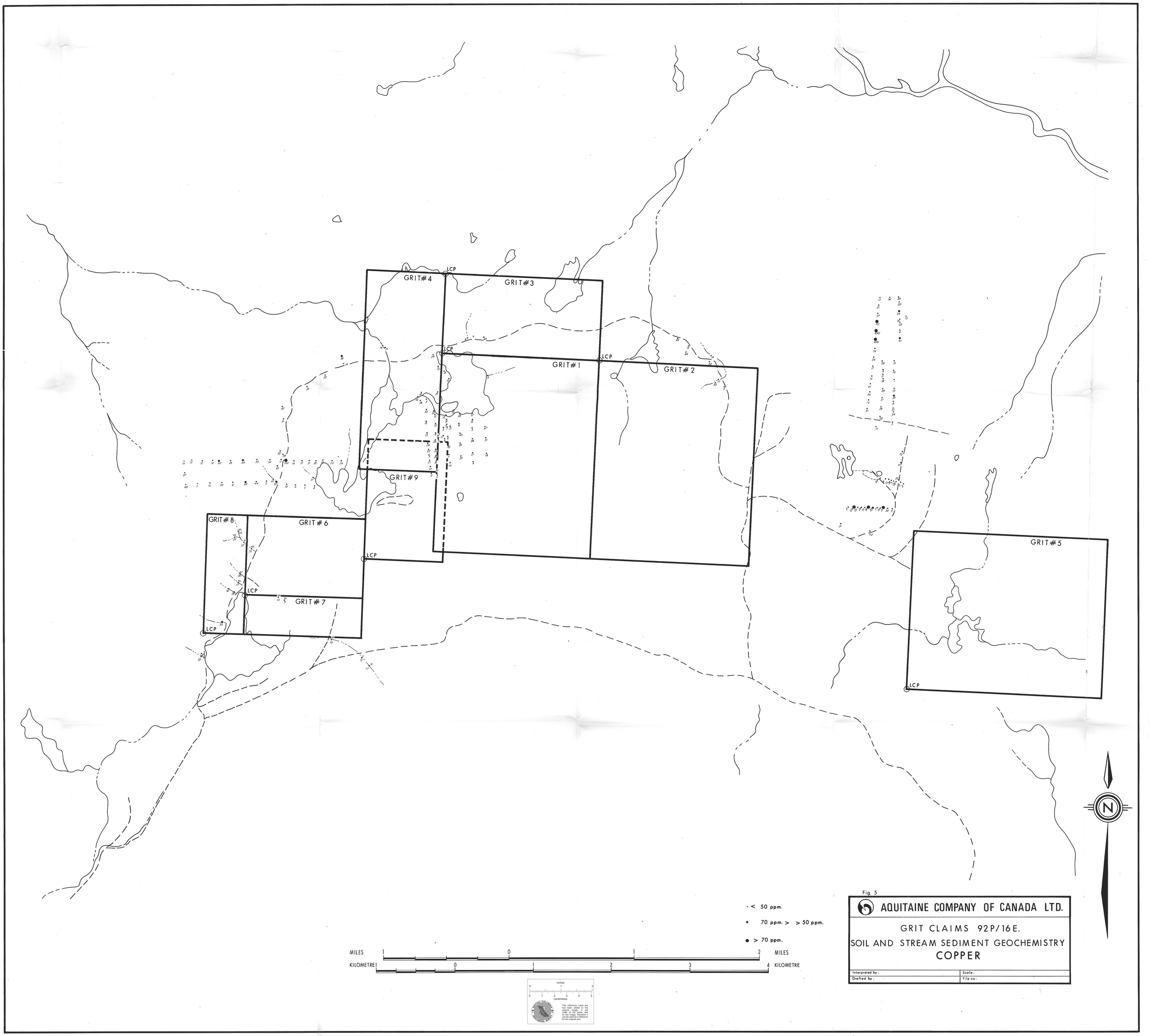
AQUITAINE COMPANY OF CANADA LTD.

GRIT CLAIMS 92P/16E.

SOIL AND STREAM SEDIMENT GEOCHEMISTRY

ZINC

Interpreted by:	Scale:
Drafted by:	File no:


GRIT#4
GRIT#3
GRIT#1
GRIT#2
GRIT#9
GRIT#8
GRIT#6
GRIT#7
GRIT#5
LCP
N
· < 50 ppm.
• 70 ppm. > > 50 ppm.
● > 70 ppm.
MILES 1 0 1 2 MILES
KILOMETRE 1 0 1 2 3 4 KILOMETRE
inches
centimetres
This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.
Fig. 5
AQUITAINE COMPANY OF CANADA LTD.
GRIT CLAIMS 92P/16E.
SOIL AND STREAM SEDIMENT GEOCHEMISTRY
COPPER
Interpreted by:
Drafted by:
Scale:
File no: