MQ Report #38

CREIGHTON CREEK CLAIMS

GEOCHEMISTRY AND PROSPECTING

Vernon Mining Division

N.T.S. 82 L/2

Latitude 50°12' Longitude 118°45'

By

S.L. Ridley

of

MineQuest Exploration Associates Limited

Claim Name	Record No.	Claim Name	Record No.
Echo I	1334	Moss I	1522
Echo II	1335	Moss II	1523
Echo III	1351	Moss III	1524
Echo IV	1352	Moss IV	1525
Hump I	1353	Moss V	1526
Hump II	1354	Moss VI	1527
Hump III	1355	Bonneau I	1349
Hump IV	1356	Bonneau II	1350
Hump V	1357		

83-#669-11814

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1.0 INTRODUCTION

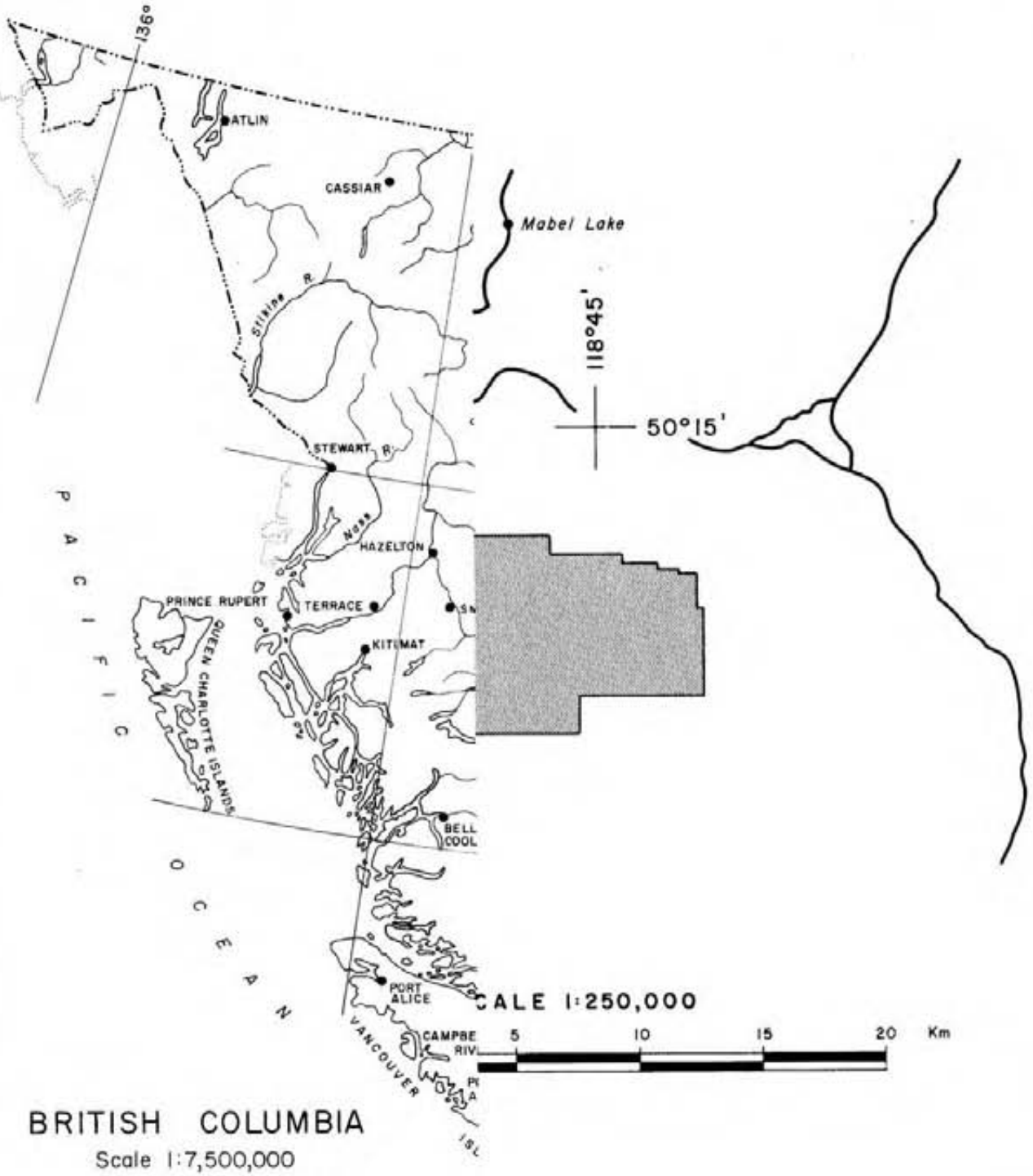
The Creighton Creek claims were staked on the basis of gold associated with anomalous quantities of arsenic in heavy mineral samples taken from stream sediments. Work described in this report consisted of follow-up silt sampling and prospecting directed at locating the source of gold found in heavy mineral concentrates.

2.0 LOCATION, ACCESS AND TOPOGRAPHY

The claims lie in south central British Columbia, 37.5 km east-southeast of Vernon and 16.5 km southeast of Lumby along the southern slope of the Creighton Valley (Figure 1).

Access to the property is by the Creighton Valley road which leaves Highway 6 one kilometre east of Lumby, and by logging roads along Harris Creek, Vidler Creek, Mosquito Creek and the southern limb of Creighton Creek. Travel on the claims is by foot.

The claims are located along the east-west trending Creighton Valley in the Okanagan Highlands. Topography is generally rolling with steep banks into the Creighton Valley. Relief is 800 m with the highest elevations at 1800 m. Vegetation is heaviest on north facing slopes; it consists of fir and pine forests with moderate to thick undergrowth. The southern end of the claim block is flat and swampy.



GOLDQUEST I PARTNERSHIP

CREIGHTON CREEK CLAIMS

LOCATION MAP

PLAN NO: 505	DRAWN	DATE OCT. 1983	FIGURE 1
Revised		N.T.S. 82L/2	

MINEQUEST EXPLORATION ASSOCIATES LTD.

3.0 OWNERSHIP AND CLAIM STATUS

The claims listed in Table I are held by MineQuest Exploration Associates Limited on behalf of GoldQuest I, a General Limited Partnership

Table I
Claim Status

Claim Name	Record Number	No. of Units	Due Date Before Submission of this Report
Echo I	1334	20	November 15, 1983
Echo II	1335	20	November 15, 1983
Echo III	1351	18	December 21, 1983
Echo IV	1352	16	December 21, 1983
Hump I	1353	20	December 21, 1983
Hump II	1354	20	December 21, 1983
Hump III	1355	20	December 21, 1983
Hump IV	1356	20	December 21, 1983
Hump V	1357	16	December 21, 1983
Moss I	1522	16	June 9, 1984
Moss II	1523	8	June 9, 1984
Moss III	1524	8	June 9, 1984
Moss IV	1525	16	June 9, 1984
Moss V	1526	18	June 9, 1984
Moss VI	1527	18	June 9, 1984
Bonneau I	1349	15	December 21, 1983
Bonneau II	1350	15	December 21, 1983

4.0 HISTORY AND PREVIOUS WORK

No metal occurrences have been reported on the Creighton Creek claims but the western portion was explored and drilled for uranium in 1977-78 by E and B Explorations Limited.[1] The Chaput Mine[2], located 18 km northwest of the claims, produced lead, zinc, gold, silver and copper from quartz veins in Cache Creek Group metasediments. A few gold, silver and lead properties were reported[3] near Harris Creek to the west and Monashee Creek to the east of the Creighton Creek claims. Mineralization was associated with quartz veining in all occurences reported. Placer gold was found in Harris Creek[4] and Cherry Creek[5].

5.0 WORK CARRIED OUT IN 1983

5.1 Silt Sampling

In 1983, 414 silt samples were collected at 100 m intervals on all major creeks across the claim block. Samples were analysed for lead, silver, arsenic and gold. Sampling was carried out by P. Martin, supervisor, S. Graham, J. Norris, and G. Stewart.

5.2 Prospecting

In 1983 nine days were spent on the Creighton Creek claims by the prospector, D. Moraal and an assistant.

All work was directed by Robert V. Longe of MineQuest Exploration Associates Limited.

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1. Assessment Reports 6595, 6596, 7075 and 7178
2. Mindep File No. 82LSE 006
3. Mindep File No's 82LSE 003, 025 034, and 035
4. Assessment Report 7178
5. Mindep File No. 82LSE 013

6.0 GEOLOGY

The regional geology consists of the Archean basement of Monashee Group metamorphics overlain by Paleozoic Cache Creek Group sediments and andesitic volcanics. These rocks have been intruded by Jurassic-Cretaceous Coast Intrusions and overlain by Tertiary Kamloops Group volcanics and sediments. Northwest trending faults bound many of the units. (GSC Memoir 296, 1959 and GSC Open File 637, 1979). Glacial movement was from the northwest.

E and B Explorations Limited mapped the area now covered by the west half of the Creighton Creek claims at a 1:10,000 scale. The claim block is underlain predominantly by Eocene rhyolite tuffs and porphyrytic flows which are overlain by a Miocene pitchstone breccia and agglomerate. In the southwest corner of the claim block the rhyolites are overlain by a lithic sandstone and granite-cobble conglomerate unit. Isolated exposures of pebble conglomerate, arkosic sandstone and siltstone sequences, lahar and trachy andesite flows are abundant in the south. Faults, foliations and bedding angles tend to strike to the north-northeast and north east.

7.0 RESULTS

7.1 Silt Sampling

Silt samples collected along the streams illustrated in Figures 2a and 3a were analysed for four elements. The method of analysis and the threshold value for each element are listed below. Results are presented in Figures 2b and 3b and in Appendix I.

Table II
Sample Analysis

Elements	Analytical Mehtod	Threshold Value
Lead	Atomic Absorption	18 ppm
Silver	Atomic Absorption	0.40 ppm
Arsenic	Perchloric/Colourmetric	7.5 ppm
Gold	Fire Assay extraction with an Atomic Absorption Finish	0.39 ppm

7.2 Prospecting

The prospecting program uncovered minor alteration on the east map sheet. It was not sufficient to explain many of the anomalous silt samples but exposure in the area is very poor. The predominant rock types on the west map sheet (Figure 4a) are basalt, rhyolite and rhyolitic tuff. Minor conglomerate is present in the southwest corner of the map area. The east map sheet (Figure 4b) is underlain by biotite gneiss and associated metamorphics, basalt, hornblende and augite porphyry and granite. Minor oxidation, carbonitization and silicification was noted in the gneisses. The prospectors report is presented in Appendix III.

8.0 CONCLUSIONS

Silt sampling and prospecting have defined targets on the Echo, Hump and Moss claims where more detailed work is warranted. Grid sampling, prospecting and mapping are necessary for further assessment of these targets.

9.0 REFERENCES

Cann, R. and Lund, J., 1977-1978
Geological, Geochemical Radiometric and Drilling Reports, Lumby Area, British Columbia, Clier 1, 4, 5 and Tai 1-7 Claims
Assessment Reports 6595, 6596, 7075 and 7178

Jones, A.G., 1959
Vernon Map-Area, British Columbia
GSC Memoir 296, Map 1059A

Okulitch, A.V. and Campbell, R.B., 1979
Thompson - Shuswap - Okanagan, British Columbia
GSC Open File 637, Maps A, B, C and D

APPENDIX I

Laboratory Reports

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BONDAR-CLEGG

Geochemical Lab Report

REPORT: 123-1618 PROJECT: GQ/EHB

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Ag PPM	As PPM	Au PPB	NOTES
T GQR 1001		25	0.2	4	<5	
T GQR 1002		36	0.2	9	<5	
T GQR 1003		23	<0.2	6	<5	
T GQR 1004		20	<0.2	6	5	
T GQR 1005		14	<0.2	5	<5	
T GQR 1006		21	<0.2	6	<5	
T GQR 1007		18	<0.2	50	<5	
T GQR 1008		19	0.2	5	10	
T GQR 1009		17	<0.2	5	<5	
T GQR 1010		13	<0.2	6	<5	
T GQR 1011		8	<0.2	6	<5	
T GQR 1012		10	0.2	6	<5	
T GQR 1013		12	0.2	5	<5	
T GQR 1014		9	<0.2	6	<5	
T GQR 1015		10	<0.2	6	<5	
T GQR 1016		10	<0.2	6	<5	
T GQR 1017		13	0.3	5	<5	
T GQR 1018		7	<0.2	5	<5	
T GQR 1019		8	<0.2	5	<5	
T GQR 1020		8	<0.2	5	<5	
T GQR 1021		6	<0.2	4	<5	
T GQR 1022		5	<0.2	4	<5	
T GQR 1023		5	<0.2	4	<5	
T GQR 1024		4	<0.2	4	<5	
T GQR 1025		5	<0.2	5	<5	
T GQR 1026		4	<0.2	6	<5	
T GQR 1027		5	<0.2	4	<5	
T GQR 1028		5	<0.2	5	<5	
T GQR 1029		6	<0.2	5	<5	
T GQR 1030		6	<0.2	5	<5	
T GQR 1031		4	<0.2	4	<5	
T GQR 1032		4	<0.2	4	30	
T GQR 1033		6	<0.2	4	<5	
T GQR 1034		5	<0.2	4	65	
T GQR 1035		6	<0.2	4	<5	
T GQR 1036		6	<0.2	5	<5	
T GQR 1037		5	<0.2	5	<5	
T GQR 1038		7	<0.2	3	<5	
T GQR 1039		8	<0.2	4	<5	
T GQR 1040		5	<0.2	2	<5	

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Ag PPM	As PPM	Au PPB	NOTES
T GQR 1041		6	<0.2	3	<5	
T GQR 1042		5	<0.2	3	490	
T GQR 1043		6	<0.2	2	<5	
T GQR 1044		6	<0.2	3	10	
T GQR 1045		6	<0.2	4	65	
T GQR 1046		6	<0.2	2	<5	
T GQR 1047		7	<0.2	3	<5	
T GQR 1048		6	<0.2	3	<5	
T GQR 1201		8	<0.2	7	10	
T GQR 1202		6	<0.2	2	<5	
T GQR 1203		7	<0.2	3	<5	
T GQR 1204		5	<0.2	3	<5	
T GQR 1205		6	<0.2	3	<5	
T GQR 1206		6	<0.2	2	<5	
T GQR 1207		8	<0.2	2	<5	
T GQR 1208		9	<0.2	5	<5	
T GQR 1209		7	<0.2	3	<5	
T GQR 1210		6	<0.2	2	<5	
T GQR 1211		6	<0.2	4	<5	
T GQR 1212		7	<0.2	4	<5	
T GQR 1213		6	<0.2	4	45	
T GQR 1214		4	<0.2	3	<5	
T GQR 1215		5	<0.2	3	5	
T GQR 1216		6	<0.2	4	<5	
T GQR 1217		6	<0.2	3	<5	
T GQR 1218		6	<0.2	3	<5	
T GQR 1219		7	<0.2	2	<5	
T GQR 1220		8	<0.2	4	<5	
T GQR 1221		5	<0.2	4	<5	
T GQR 1222		4	<0.2	4	<5	
T GQR 1223		6	<0.2	3	10	
T GQR 1224		6	<0.2	4	<5	
T GQR 1225		6	<0.2	3	<5	
T GQR 1226		6	<0.2	3	<5	
T GQR 1227		4	<0.2	4	55	
T GQR 1228		4	<0.2	3	<5	
T GQR 1229		6	<0.2	5	<5	
T GQR 1230		4	<0.2	5	<5	
T GQR 1231		5	<0.2	4	<5	
T GQR 1232		4	<0.2	4	<5	

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Geochemical Lab Report

REPORT: 123-1618 PROJECT: GQ/EHB

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Ag PPM	As PPM	Au PPB	NOTES
T GQR 1233		4	<0.2	5	5	
T GQR 1234		5	<0.2	5	<5	
T GQR 1235		6	<0.2	6	<5	
T GQR 1236		7	<0.2	6	<5	
T GQR 1237		6	<0.2	6	<5	
T GQR 1238		6	<0.2	6	<5	
T GQR 1239		7	<0.2	6	<5	
T GQR 1240		7	<0.2	6	<5	
T GQR 1241		6	<0.2	5	95	
T GQR 1242		5	<0.2	5	5	
T GQR 1243		6	<0.2	6	50	
T GQR 1244		6	<0.2	7	5	
T GQR 1245		6	<0.2	6	10	
T GQR 1246		6	<0.2	5	5	
T GQR 1247		5	<0.2	6	5	
T GQR 1248		7	<0.2	4	<5	
T GQR 1249		8	<0.2	3	10	
T GQR 1250		9	0.2	4	<5	
T GQR 1251		5	<0.2	3	<5	
T GQR 1252		6	<0.2	5	<5	
T GQR 1253		6	<0.2	6	450	
T GQR 1254		4	<0.2	6	<5	
T GQR 1255		7	<0.2	6	<5	
T GQR 1256		7	<0.2	6	<5	
T GQR 1257		6	<0.2	7	<5	
T GQR 1258		5	<0.2	8	160	
T GQR 1259		6	<0.2	7	<5	
T GQR 1260		10	<0.2	9	<5	
T GQR 1261		8	0.2	7	<5	
T GQR 1262		9	<0.2	7	<5	
T GQR 1263		10	<0.2	8	<5	
T GQR 1264		5	<0.2	5	<5	
T GQR 1265		5	<0.2	6	<5	
T GQR 1266		6	<0.2	7	<5	
T GQR 1267		6	<0.2	6	<5	
T GQR 1268		8	0.2	6	<5	
T GQR 1269		5	0.2	6	75	
T GQR 1270		6	0.2	6	<5	
T GQR 1271		6	0.2	5	<5	
T GQR 1272		6	<0.2	5	<5	

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Geochemical Lab Report

REPORT: 123-1739 PROJECT: GQ

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	As PPM	As PPM	Au PPB	NOTES
GQR-1052		9	<0.2	<2	5	
GQR-1053		8	0.4	2	<5	
GQR-1054		8	0.2	3	<5	
GQR-1055		9	<0.2	2	<5	
GQR-1056		6	<0.2	<2	<5	
GQR-1057		6	<0.2	<2	<5	
GQR-1058		7	<0.2	3	<5	
GQR-1059		5	<0.2	3	<5	
GQR-1060		9	<0.2	3	<5	
GQR-1061		11	<0.2	3	<5	
GQR-1062		10	<0.2	4	<5	
GQR-1063		9	0.3	4	10	
GQR-1064		9	0.2	4	5	
GQR-1065		9	<0.2	4	<5	
GQR-1066		9	<0.2	5	<5	
GQR-1067		8	<0.2	4	<5	
GQR-1068		4	<0.2	3	10	
GQR-1069		6	0.2	2	5	
GQR-1070		6	0.3	<2	5	
GQR-1071		3	0.3	<2	<5	
GQR-1072		6	<0.2	3	<5	
GQR-1073		4	<0.2	2	<5	
GQR-1074		5	<0.2	3	5	
GQR-1075		6	<0.2	2	<5	
GQR-1076		2	<0.2	<2	<5	
GQR-1077		3	<0.2	2	5	
GQR-1078		3	<0.2	2	<5	
GQR-1079		3	<0.2	2	25	
GQR-1080		5	<0.2	<2	20	
GQR-1081		4	0.2	<2	<5	
GQR-1082		4	<0.2	2	10	
GQR-1083		3	<0.2	2	5	
GQR-1084		7	<0.2	2	5	
GQR-1085		7	<0.2	2	5	
GQR-1086						5*
GQR-1087		7	<0.2	3	<5	
GQR-1088		4	<0.2	3	10	
GQR-1089		6	<0.2	<2	<5	
GQR-1090		9	<0.2	3	<5	
GQR-1091		7	<0.2	2	<5	

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	As PPM	As PPM	Au PPB	NOTES
T GQR-1092		5	<0.2	2	5	
T GQR-1093		9	<0.2	3	<5	
T GQR-1094		8	<0.2	4	<5	
T GQR-1095		9	<0.2	2	<5	
T GQR-1096		6	<0.2	2	10	
T GQR-1097		6	<0.2	2	5	
T GQR-1098		6	<0.2	2	<5	
T GQR-1099		6	<0.2	2	<5	
T GQR-1100		5	<0.2	2	330	
T GQR-1101		6	<0.2	3	5	
T GQR-1102		6	<0.2	3	<5	
T GQR-1103		5	<0.2	5	390	
T GQR-1104		5	<0.2	6	<5	
T GQR-1105		7	<0.2	3	<5	
T GQR-1106		6	<0.2	6	<5	
T GQR-1107		6	<0.2	4	<5	
T GQR-1108		5	<0.2	5	10	
T GQR-1109		6	<0.2	3	<5	
T GQR-1110		5	<0.2	3	<5	
T GQR-1111		4	<0.2	3	<5	
T GQR-1112		5	<0.2	3	40	
T GQR-1113		4	<0.2	4	5	
T GQR-1114		4	<0.2	3	<5	
T GQR-1115		4	<0.2	4	<5	
T GQR-1116						5*
T GQR-1117		4	<0.2	7	<5	
T GQR-1118		4	<0.2	3	<5	
T GQR-1119		4	<0.2	4	5	
T GQR-1120		5	<0.2	3	<5	
T GQR-1121		4	<0.2	3	15	
T GQR-1122		4	<0.2	2	40	
T GQR-1123		3	<0.2	3	<5	
T GQR-1124		3	<0.2	2	<5	
T GQR-1125		3	<0.2	3	50	
T GQR-1126		4	0.2	4	20	
T GQR-1127		3	<0.2	4	95	
T GQR-1128		2	<0.2	4	25	
T GQR-1129		3	<0.2	3	<5	
T GQR-1130		4	<0.2	3	<5	
T GQR-1273		8	0.2	2	10	

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Geochemical Lab Report

REPORT: 123-1739 PROJECT: GQ

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	As PPM	As PPM	Au PPB	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	As PPM	As PPM	Au PPB	NOTES
T GQR-1274		8	<0.2	6	<5		T GQR-1314		13	0.3	3	<5	
GQR-1275		9	0.2	6	10		T GQR-1315		5	0.3	3	<5	
T GQR-1276		6	<0.2	5	10		T GQR-1316		4	<0.2	2	<5	
T GQR-1277		6	0.2	4	5		T GQR-1317		5	0.8	2	<5	
GQR-1278		6	0.2	5	<5		T GQR-1318		5	0.4	2	190	
T GQR-1279		6	0.2	4	<5		T GQR-1319		4	0.3	2	<5	
GQR-1280		6	<0.2	5	<5		T GQR-1320		4	0.3	3	<5	
GQR-1281		7	<0.2	5	<5		T GQR-1321		4	0.3	3	5	
T GQR-1282		6	<0.2	5	10		T GQR-1322		4	0.3	3	40	
T GQR-1283		7	<0.2	6	10		T GQR-1323		4	0.2	3	5	
T GQR-1284		10	<0.2	9	25		T GQR-1324		5	0.4	3	<5	
T GQR-1285		7	<0.2	6	55		T GQR-1325		7	0.5	3	120	
GQR-1286		8	<0.2	7	5		T GQR-1326		6	0.4	4	95	
GQR-1287		8	<0.2	7	5		T GQR-1327		4	0.3	3	5	
T GQR-1288		6	<0.2	6	10		T GQR-1328		5	0.2	4	<5	
GQR-1289		7	<0.2	5	5		T GQR-1329		7	0.5	4	<5	
T GQR-1290		6	0.2	5	<5		T GQR-1330		7	0.3	4	5	
T GQR-1291		6	<0.2	5	<5		T GQR-1331		4	0.2	3	<5	
GQR-1292		7	<0.2	7	<5		T GQR-1332		5	0.3	4	<5	
GQR-1293		6	<0.2	6	15		T GQR-1333		5	0.4	3	15	
GQR-1294		9	<0.2	2	<5		T GQR-1334		4	0.3	3	<5	
GQR-1295		2	<0.2	2	<5		T GQR-1335		4	<0.2	4	<5	
T GQR-1296		3	<0.2	2	<5		T GQR-1336		5	<0.2	5	<5	
GQR-1297		7	<0.2	3	<5		T GQR-1337		4	<0.2	7	<5	
GQR-1298		9	<0.2	3	<5		T GQR-1338		4	<0.2	7	5	
T GQR-1299		9	<0.2	3	<5		T GQR-1339		6	<0.2	4	<5	
GQR-1300		9	<0.2	3	5		T GQR-1340		5	<0.2	8	<5	
GQR-1301		9	<0.2	4	<5		T GQR-1341		5	<0.2	3	35	
T GQR-1302		12	0.2	4	<5		T GQR-1342		4	<0.2	3	5	
GQR-1303		6	<0.2	3	<5		T GQR-1343		5	<0.2	3	5	
T GQR-1304		9	0.6	4	<5		T GQR-1344		4	<0.2	5	15	
T GQR-1305		12	0.9	5	10		T GQR-1345		5	<0.2	3	<5	
GQR-1306		10	0.3	4	<5		T GQR-1346		4	<0.2	4	145	
T GQR-1307		7	0.4	2	<5		T GQR-1347		4	<0.2	2	120	
T GQR-1308		9	0.4	3	<5		T GQR-1348		6	<0.2	4	5	
GQR-1309		10	0.4	3	<5		T GQR-1349		8	<0.2	6	20	
T GQR-1310		9	0.3	2	<5		T GQR-1350		8	<0.2	5	5	
GQR-1311		9	0.4	3	5		T GQR-1351		7	<0.2	5	5	
GQR-1312		11	0.3	3	<5		T GQR-1352		7	<0.2	5	5	
T GQR-1313		19	0.2	2	<5		T GQR-1353		8	<0.2	6	5	

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Telex: 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: 123-1739 PROJECT: GQ

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Ag PPM	As PPM	Au PPB	NOTES
	GQR-1354	8	<0.2	5	<5	
	GQR-1355	10	<0.2	6	<5	
T	GQR-1356	6	<0.2	5	<5	
	GQR-1357	6	0.2	5	<5	
	GQR-1358	5	<0.2	4	<5	
T	GQR-1359	4	<0.2	4	<5	
	GQR-1360	4	<0.2	5	50	
	GQR-1361	4	<0.2	5	<5	
T	GQR-1362	4	<0.2	3	<5	
	GQR-1363	5	<0.2	4	<5	
T	GQR-1364	4	<0.2	4	<5	

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Telex: 04-352667

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Geochemical Lab Report

REPORT: 123-2027 PROJECT: GQ/EHB

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	Ag PPM	As PPM	Au PPB	NOTES
T GQR1132		12	0.2	5	<5	
T GQR1134		16	0.2	5	10	
T GQR1136		11	0.3	3	<5	
T GQR1138		6	<0.2	3	<5	
T GQR1140		6	<0.2	3	<5	
T GQR1142		7	<0.2	3	<5	
T GQR1144		7	<0.2	<2	<5	
T GQR1146		9	0.2	2	<5	
T GQR1148		5	<0.2	<2	<5	
T GQR1150		5	<0.2	<2	<5	
T GQR1152		5	<0.2	<2	<5	
T GQR1154		5	<0.2	<2	<5	
T GQR1160		5	<0.2	<2	15	
T GQR1162		4	<0.2	<2	<5	
T GQR1164		5	<0.2	<2	70	
T GQR1166		4	<0.2	<2	<5	
T GQR1168		4	<0.2	<2	10	
T GQR1170		5	<0.2	3	<5	
T GQR1172		5	<0.2	3	20	
T GQR1174		5	<0.2	3	70	
T GQR1176		4	<0.2	6	10	
T GQR1178		5	<0.2	5	20	
T GQR1180		4	<0.2	6	255	
T GQR1182		4	<0.2	6	35	
T GQR1184		5	<0.2	5	10	
T GQR1366		10	<0.2	6	10	
T GQR1368		10	<0.2	5	35	
T GQR1370		9	<0.2	5	<5	
T GQR1372		10	<0.2	4	<5	
T GQR1374		9	<0.2	5	<5	
T GQR1376		7	<0.2	4	<5	
T GQR1378		7	<0.2	2	5	
T GQR1380		10	0.2	2	<5	
T GQR1382		8	<0.2	<2	<5	
T GQR1384		9	<0.2	<2	<5	
T GQR1386		11	<0.2	<2	<5	
T GQR1388		6	<0.2	3	25	
T GQR1390		4	<0.2	<2	10	
T GQR1392		6	0.2	<2	10	
T GQR1394		4	<0.2	<2	10	
T GQR1396		4	0.2	<2	<5	
T GQR1398		6	0.2	3	135	
T GQR1400		7	0.4	3	25	
T GQR1402		5	0.2	2	15	
T GQR1404		5	<0.2	<2	<5	
T GQR1406		5	<0.2	<2	<5	
T GQR1408		5	<0.2	<2	15	
T GQR1410		5	<0.2	<2	<5	
T GQR1412		5	<0.2	<2	60	
T GQR1414		6	<0.2	18	<5	
T GQR1416		5	<0.2	4	<5	
T GQR1418		6	<0.2	5	<5	
T GQR1420		5	<0.2	4	<5	
T GQR1422		5	<0.2	3	55	
T GQR1424		7	<0.2	3	10	
T GQR1426		4	<0.2	<2	5	
T GQR1428		5	<0.2	3	10	
T GQR1430		6	<0.2	10	15	
T GQR1432		5	<0.2	3	5	
T GQR1434		2	<0.2	3	5	
T GQR1436		2	<0.2	4	<5	
T GQR1438		2	<0.2	3	5	
T GQR1440		<2	<0.2	3	<5	
T GQR1442		2	<0.2	2	<5	
T GQR1444		2	<0.2	2	<5	
T GQR1460		2	<0.2	2	<5	
T GQR1462		3	<0.2	2	<5	
T GQR1464		<2	<0.2	3	<5	
T GQR1466		3	<0.2	2	<5	
T GQR1468		2	<0.2	<2	<5	
T GQR1470		2	<0.2	3	<5	
T GQR1472		2	<0.2	3	<5	
T GQR1616		4	0.6	7	5	
T GQR1618		8	1.2	7	20	
T GQR1620		3	<0.2	8	10	
T GQR1622		2	<0.2	7	<5	
T GQR1624		10	0.2	18	15	
T GQR1626		7	0.2	12	15	

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BONDAR-CLEGG

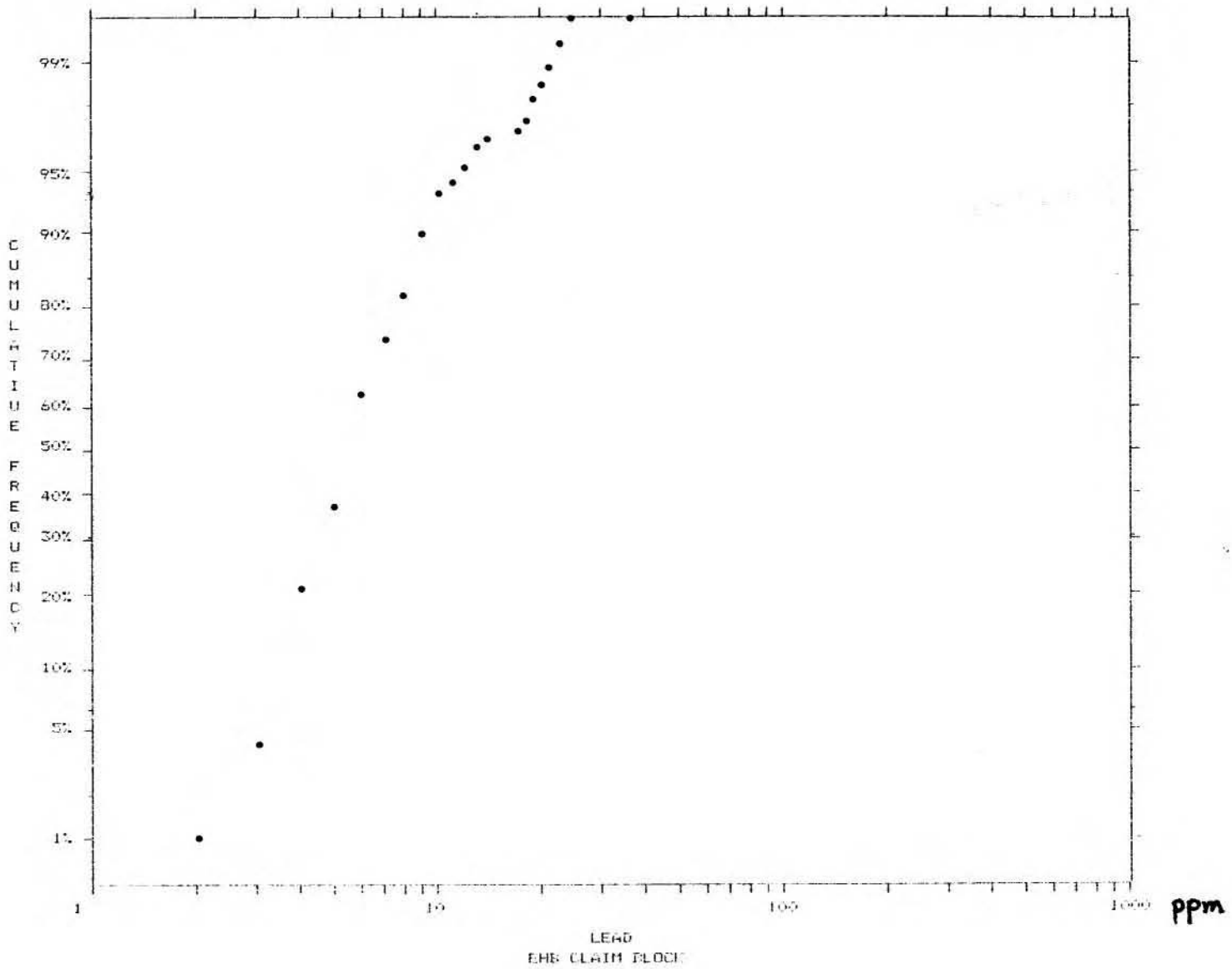
Geochemical Lab Report

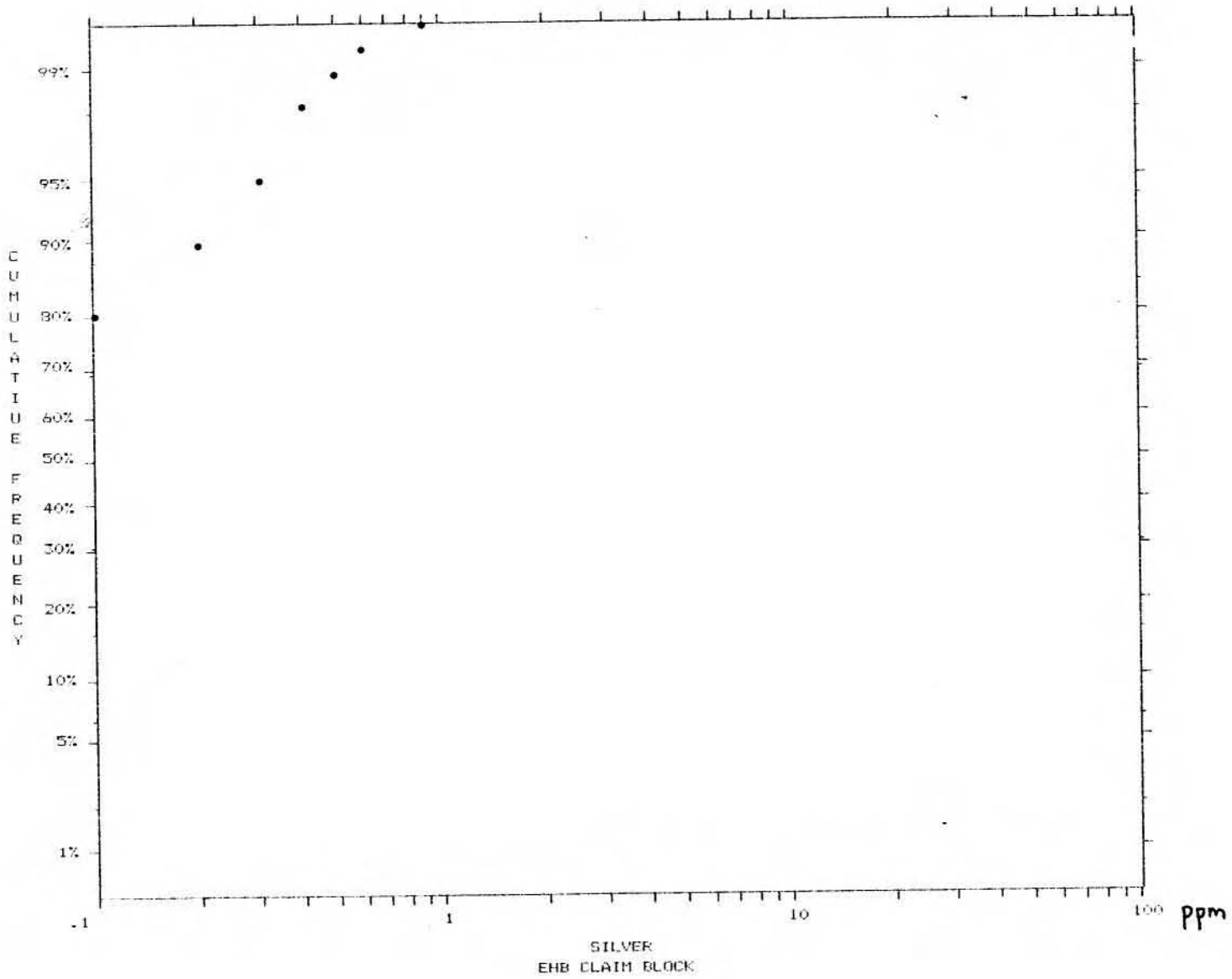
REPORT: 123-2307 PROJECT: GG/EHB

SAMPLE NUMBER	ELEMENT UNITS	Pb PPM	As PPM	As PPM	Au PPB	NOTES
GGR-1159		6	0.3	4	<5	
GGR-1161		5	0.2	3	<5	
GGR-1163		5	0.2	4	<5	
GGR-1165		5	0.2	3	<5	
GGR-1167		4	0.2	3	5	
GGR-1169		6	0.2	4	<5	
GGR-1171		4	0.2	3	<5	
GGR-1173		4	0.2	4	<5	
GGR-1175		3	<0.2	5	75	
GGR-1177		3	0.2	7	10	
GGR-1179		3	0.2	6	<5	
GGR-1181		4	0.2	9	10	
GGR-1183		3	0.2	6	5	
GGR-1397		14	0.4	5	<5	
GGR-1399		6	0.3	4	5	
GGR-1401		4	0.2	3	<5	
GGR-1403		5	0.4	3	<5	
GGR-1405		5	0.2	4	<5	
GGR-1407		5	0.2	3	<5	
GGR-1409		6	<0.2	4	<5	
GGR-1411		5	<0.2	5	<5	
GGR-1413		4	<0.2	3	20	
GGR-1415		9	<0.2	10	<5	
GGR-1417		6	<0.2	5	15	
GGR-1419		6	0.2	5	<5	
GGR-1421		7	0.2	3	<5	
GGR-1423		6	<0.2	4	25	
GGR-1425		4	<0.2	3	<5	
GGR-1427		6	0.2	4	35	
GGR-1429		7	0.2	4	25	
GGR-1431		8	<0.2	5	<5	
GGR-1433		7	<0.2	4	10	
GGR-1435		5	<0.2	4	40	
GGR-1437		5	<0.2	5	15	
GGR-1439		4	<0.2	4	<5	
GGR-1441		5	<0.2	5	10	
GGR-1443		4	<0.2	5	<5	
GGR-1459		5	0.2	3	<5	
GGR-1461		4	0.2	4	<5	
GGR-1463		4	0.4	3	<5	
GGR-1465		3	0.2	2	<5	
GGR-1467		3	<0.2	3	<5	
GGR-1469		4	0.2	4	30	
GGR-1471		3	0.2	4	<5	
GGR-1473		3	<0.2	5	<5	

APPENDIX II

Cumulative Curves for Analytical Data on Silt Samples


99%
95%
90%
80%
70%
60%
50%
40%
30%
20%
10%
5%
1%
CUMULATIVE FREQUENCY
1
10
100
1000
ppm
LEAD
EHB CLAIM BLOCK


99%
95%
90%
80%
70%
60%
50%
40%
30%
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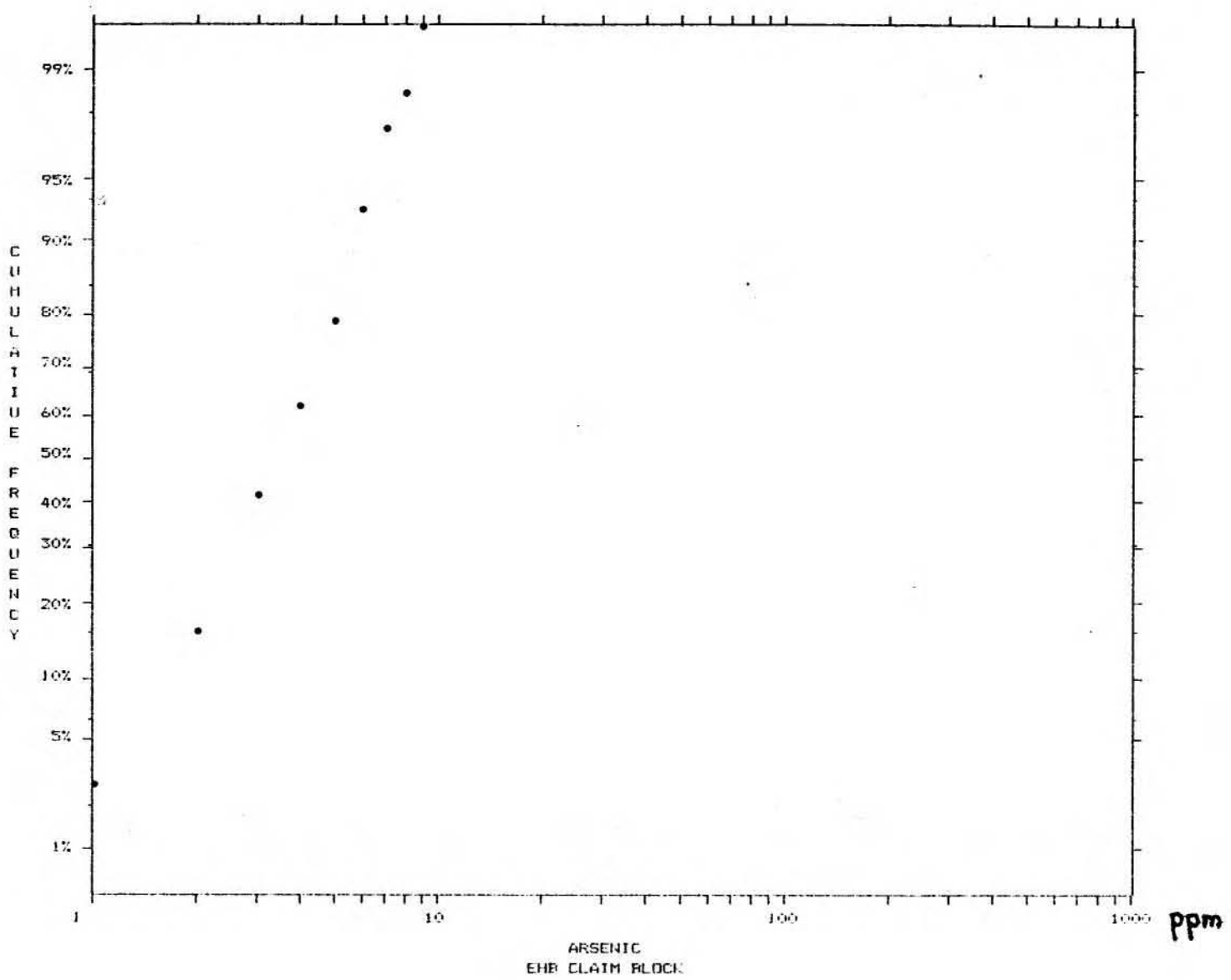
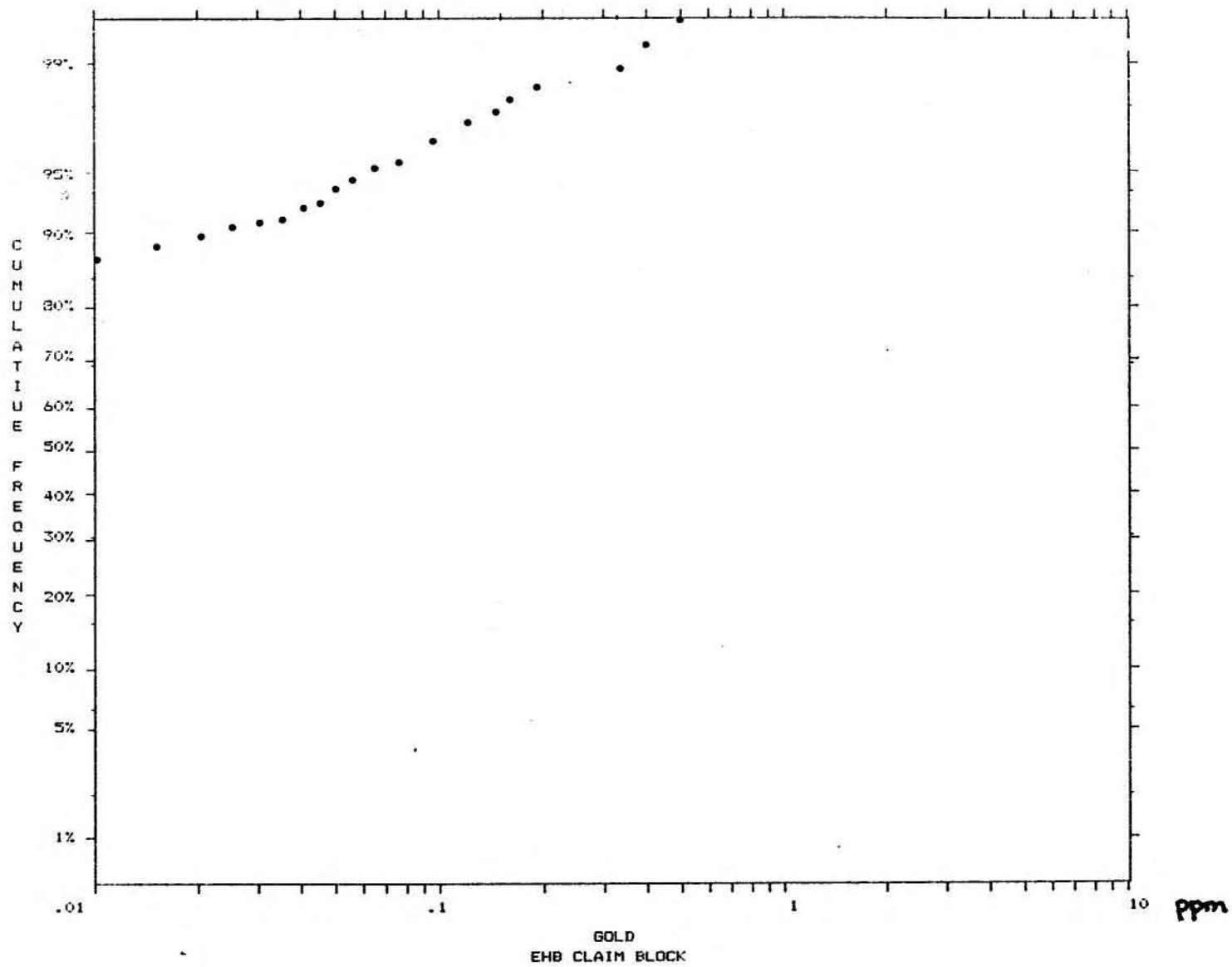
10%
5%
1%
CUMULATIVE FREQUENCY
.1
1
10
100
ppm
SILVER
EHB CLAIM BLOCK


99%
95%
90%
80%
70%
60%
50%
40%
30%
20%
10%
5%
1%
CUMULATIVE FREQUENCY
1
10
100
1000
ppm
ARSENIC
EHB CLAIM BLOCK


99%
95%
90%
80%
70%
60%
50%
40%
30%
20%
10%
5%
1%
CUMULATIVE FREQUENCY
.01
.1
1
10
ppm
GOLD
EHB CLAIM BLOCK

APPENDIX III

Prospectors Report

Report on Prospecting, Creighton Creek West

Four days were spent traversing the areas of high silt values (Figure 4a.)

Two main rock types were found; basalts and rhyolitic tuff and flows. The rhyolites were grouped together due to their similarities. Minor amounts of conglomerate and cherty conglomerate were found in the southwest corner of the map area.

The area is quite heavily covered with overburden comprised of glacial till, basalt and tuff boulders.

In no place was any obvious alteration encountered. The prospectors were discouraged at not locating the source of the anomalies.

Dirk Moraal
Kamloops, British Columbia
November, 1983

Report on Prospecting Creighton Creek East (Echo Claims)

Five days were spent traversing the Echo Lake - Bonneau Creek area (Figure 4b). No source for the anomalous silts could be located.

Rocks in the area consisted of:

- Metamorphics; biotite gneiss, phyllite, biotite schist, shale and chloritic schist
- Basalt; brown weathering basalts and black, blocky basalts. The basalts cap the biotite gneiss
- Porphyritic Rocks; Feldspar-hornblende porphyry and augite porphyry
- Granitic Rocks; fresh, unaltered granitic rocks with quartz, biotite, feldspar and hornblende.

Anomalous silt values occur close to the biotite gneiss which locally exhibits silica enriched zones.

Float in the area consists mainly of basaltic, porphyritic and gneissic boulders. Rhyolitic and cherty fragments occur in a 5:1 ratio but constitute less than 1% of the float.

No silicified (high temperature) boulders were found in significant quantity to provide information on the origin of the silt anomalies. Minor carbonitization and oxidation was noted in the gneisses one kilometre south of the east end of Echo Lake. Isolated high gold values occured downstream from areas disturbed by road building.

The creek with high silver values is entirely covered with overburden which consists of black muck, moss and rotting deadfall as well as glacial till with a large percentage of basalt fragments.

A rock chip program may narrow the target and provide information on the source of the metals.

Since most of the creeks are very steep, it is possible they provide a sump or trap for transported mineral traces.

We are not able to explain the anomalous silts at this time.

Dirk Moraal
Vernon, British Columbia
November, 1983

APPENDIX IV

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, Susanne L. Ridley, hereby certify that:

1. I am presently employed by MineQuest Exploration Associates Limited as a Geologist.

2. I am a graduate of the University of Western Ontario (B.Sc. Honours, Geology, 1983).

3. I have completed three field seasons in mineral exploration in western and northern Canada

4. The information, opinions and recommendations in this report are based on information acquired from reports, maps and data lists on file at MineQuest and from personal communication with MineQuest personnel.

Signed: Susanne L. Ridley
Susanne L. Ridley

Dated at Vancouver, B.C. this
28th day of November, 1983

APPENDIX V

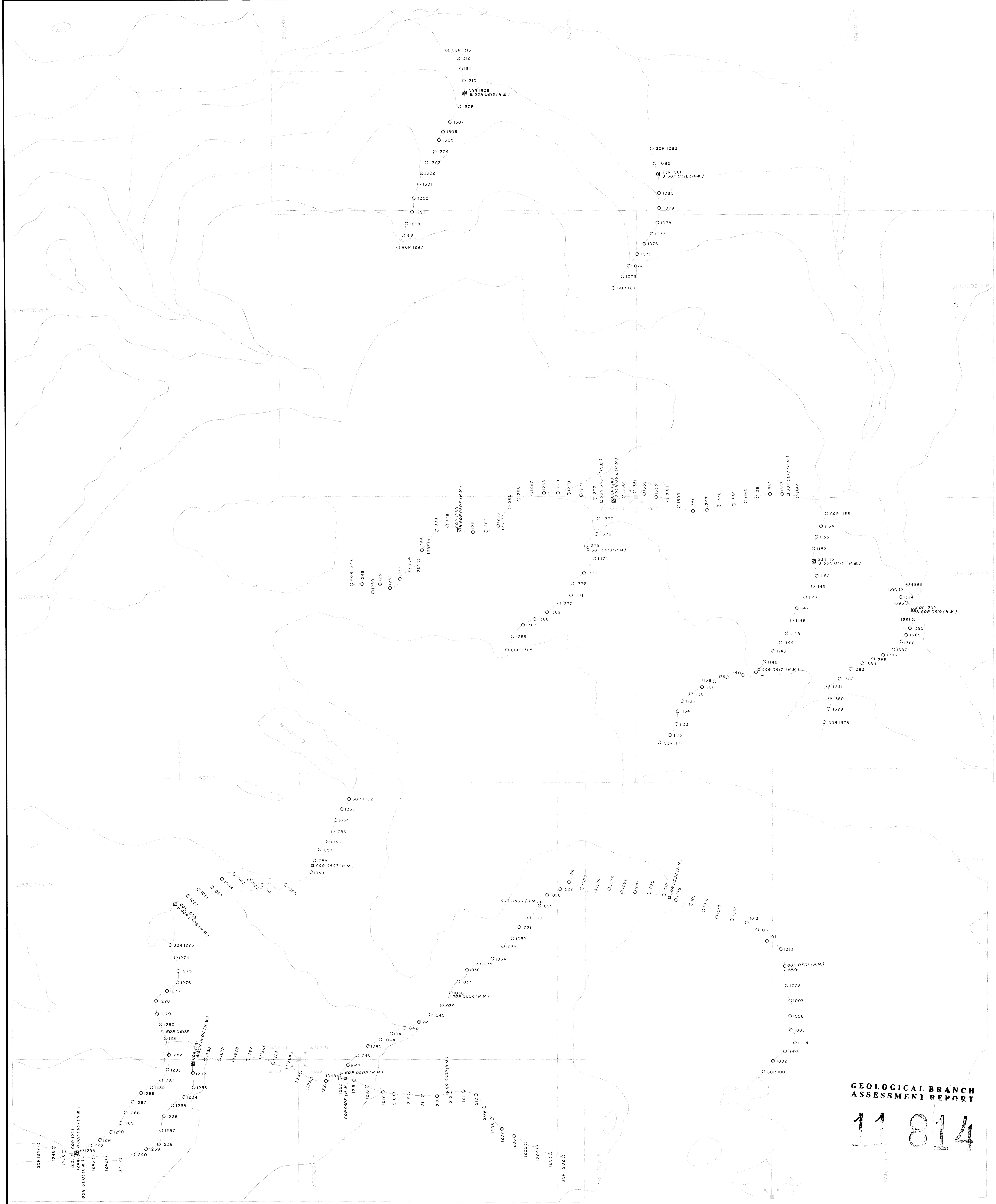
Cost Statement

EHB
(ECHO, HUMP, BONNEAU, MOSS)
JULY 1 TO SEPTEMBER 30, 1983

FIELD CREWS			
Paul Martin - July 13,14,18,20 21,23,24,25,26,27,29 and August 2,3	13 days at $95.00	1,235.00	
Steve Graham - July 12,13,14,16 17,18,20,21,23,24,25,26,27,29 and August 2	15 days at $75.00	1,125.00	
James Norris - July 12,13,14,16, 17,18,20,21,23,24,25,26,27,29 and August 2,3	16 days at $65.00	1,040.00	
Glen Stewart - July 13,14,16,18, 20,21,23,24,25,26,27,29 and August 2	13 days at $65.00	845.00	
		4,245.00	
Plus Wages Over-Ride		2,122.52	6,367.52
EXTERNAL CONSULTANTS			142.50
SUPERVISION:			
R.V. Longe 2 days at $485.00			970.00
DISBURSEMENTS			
Contract Staff		1,625.00	
Rental Vehicle Casual		360.30	
Meals, Accommodation		194.02	
MQ Equipment Charges - Field		376.00	
Groceries, Kitchen Supplies		1.85	
Food, Accommodation - In Field		2,198.89	
General Supplies		294.25	
Geochemical Analyses		3,179.71	
Courier, Postage		45.10	
Reprographics		203.11	
Xerox - In House		.60	
Maps, Reports and Preparation		170.00	
		8,648.83	
Disbursements Over-Ride		864.88	9,513.71
TOTAL			16,993.73

October 1 to November 15, 1983

REPORT PREPARATION			
S. Ridley	$200.00 x 4 days	$ 800.00	
R.V. Longe	$485.00 x 1 day	485.00	
Drafting	(estimate)	800.00	
Reproduction	(estimate)	200.00	$ 2,285.00
			$19,278.73



GEOLOGICAL BRANCH
ASSESSMENT REPORT

11 814

LEGEND

○ O GQR 1063 ····· Silt Sample Location and Number

□ □ GQR 0602 ····· Heavy Mineral Sample Location and Number
(Heavy Mineral Results not included)

GOLDQUEST I PARTNERSHIP

CREIGHTON CREEK CLAIMS - WEST

GEOCHEMISTRY

SAMPLE LOCATIONS

PLAN No. 501	DRAWN	DATE OCT. 1983	FIGURE 2a
REVISED		N.T.S. 82 L / 2	

MINEQUEST EXPLORATION ASSOCIATES LTD.

EXCLUSIVE DRAFTING SERVICES LTD.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,814

SCALE 1:10,000

100 0 200 400 600 800 1000 Metres

Contour Interval 100 Feet

N

LEGEND

Silt Sample Locations and Results

Location	Pb (ppm)	Ag (ppm)	As (ppm)	Au (ppb)
○ 6,0.2,5,<5	6	0.2	5	<5

□ ⊡ Heavy Mineral Location
(Results not included)

GOLDQUEST I PARTNERSHIP

CREIGHTON CREEK CLAIMS - WEST

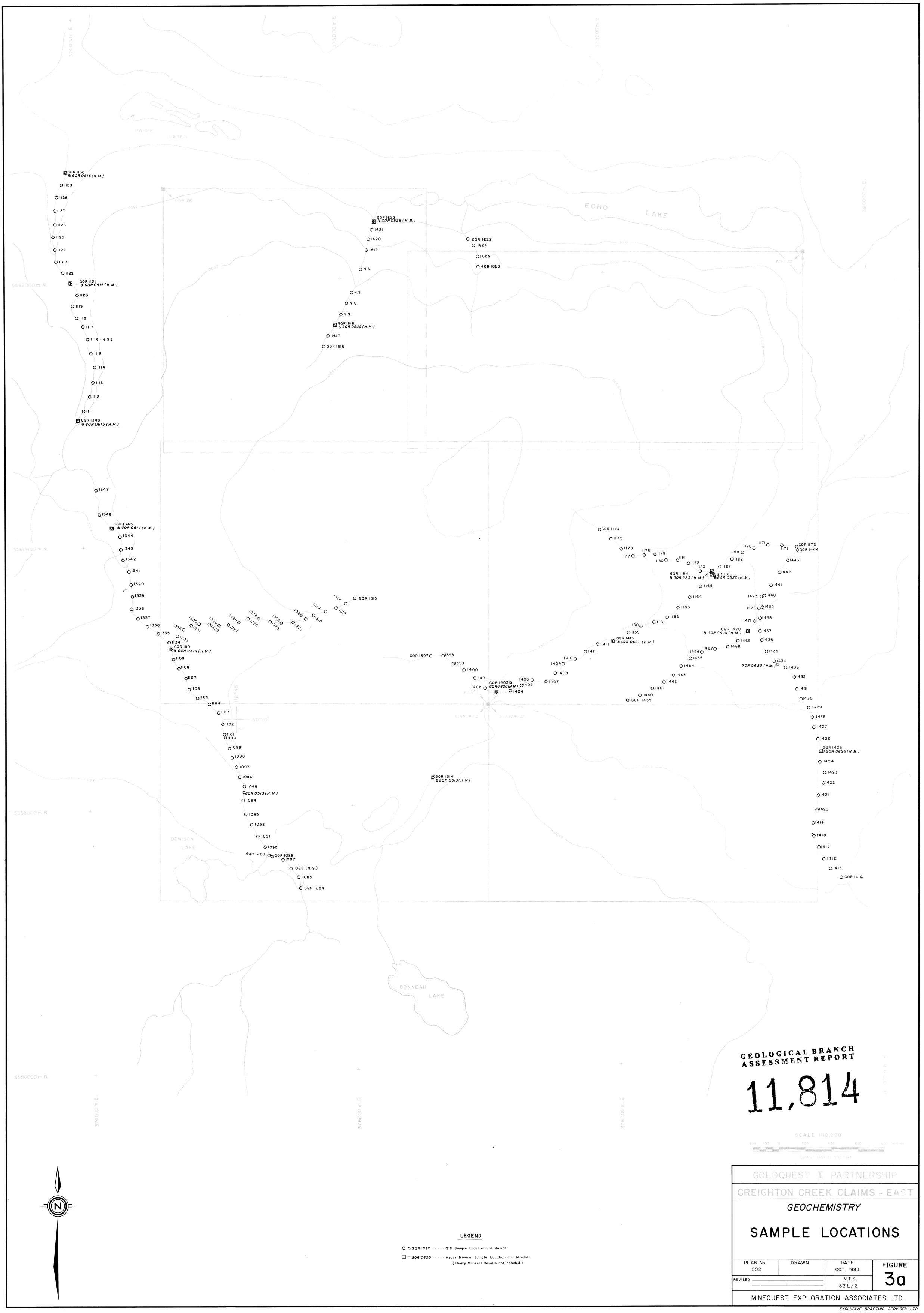
GEOCHEMISTRY

SILT SAMPLING RESULTS

LEAD, SILVER, ARSENIC, GOLD

PLAN No.	DRAWN	DATE	FIGURE
503		OCT. 1983	2b
REVISED		N.T.S. 82 L/2	

MINEQUEST EXPLORATION ASSOCIATES LTD.



LEGEND

○ ○ GQR 1090 ····· Silt Sample Location and Number

□ □ GQR 0620 ····· Heavy Mineral Sample Location and Number
(Heavy Mineral Results not included)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,814

SCALE 1:10,000

200 100 0 200 400 600 800 Metres

Contour Interval 200 Feet

GOLDQUEST I PARTNERSHIP

CREIGHTON CREEK CLAIMS - EAST

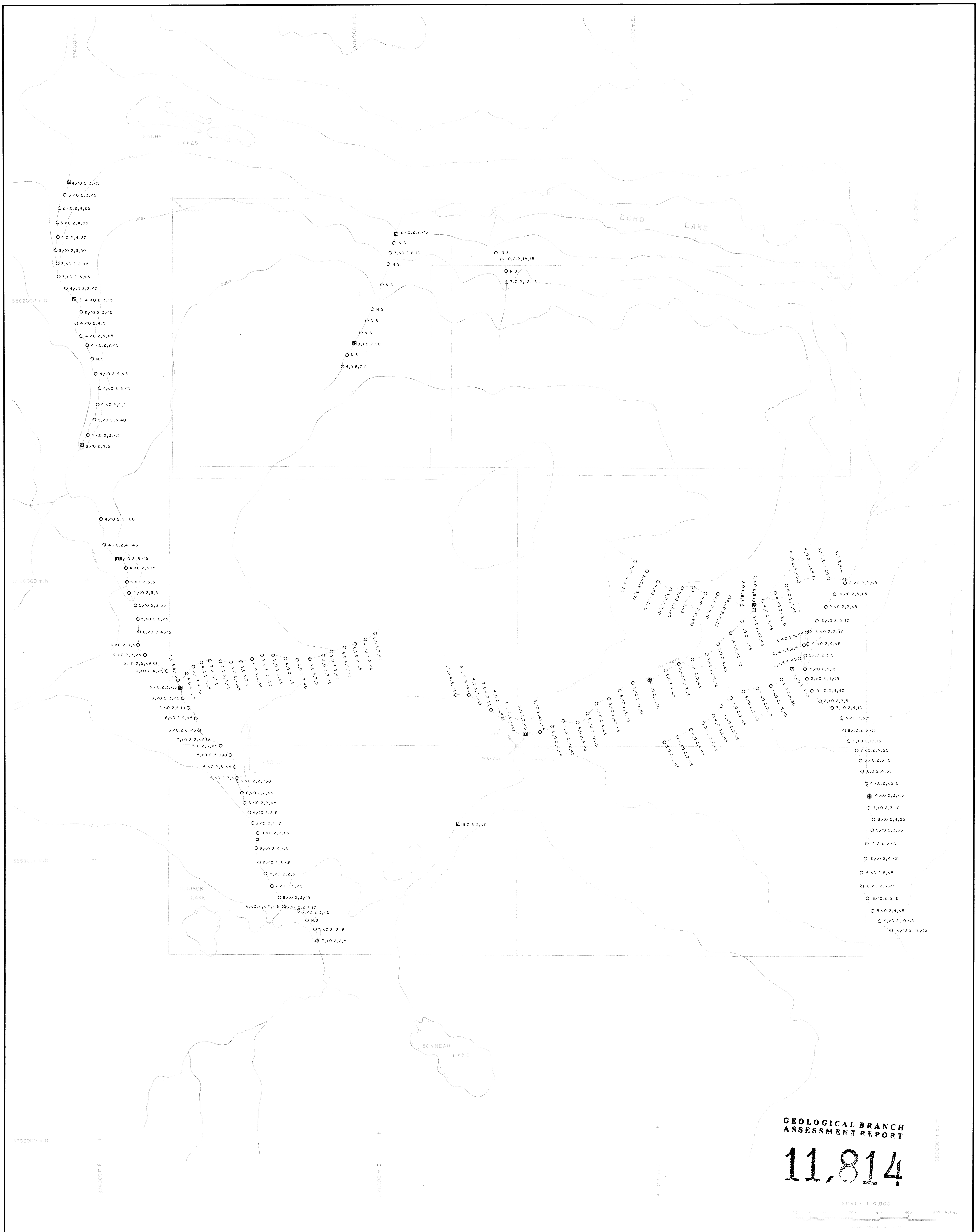
GEOCHEMISTRY

SAMPLE LOCATIONS

PLAN No.	DRAWN	DATE	FIGURE
502		OCT. 1983	3a
REVISED		N.T.S. 82 L/2	

MINEQUEST EXPLORATION ASSOCIATES LTD.

EXCLUSIVE DRAFTING SERVICES LTD.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376000 m.E.
378000 m.E.
380000 m.E.
5562000 m.N.
5560000 m.N.
5558000 m.N.
5556000 m.N.
BARBE LAKES
ECHO LAKE
DENISON LAKE
BONNEAU LAKE
50°10'
118°45'
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3,<0.2,3,<5
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5,<0.2,3,40
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6,<0.2,4,5
2,<0.2,7,<5
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3,<0.2,8,10
N.S.
N.S.
N.S.
N.S.
N.S.
8,1.2,7,20
N.S.
4,0.6,7,5
N.S.
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N.S.
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7, 0.2,4,10
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7,<0.2,4,25
5,<0.2,3,10
6,0.2,4,55
4,<0.2,<2,5
4,<0.2,3,<5
7,<0.2,3,10
6,<0.2,4,25
5,<0.2,3,55
7,0.2,3,<5
5,<0.2,4,<5
6,<0.2,5,<5
6,<0.2,5,<5
6,<0.2,5,15
5,<0.2,4,<5
9,<0.2,10,<5
6,<0.2,18,<5
SCALE 1:10,000
GEOLOGICAL BRANCH ASSESSMENT REPORT
11,814

LEGEND

Silt Sample Locations and Results

Location		Pb	Ag	As	Au
○	4, 0.3, 3, <5	4 (ppm)	0.3 (ppm)	3 (ppm)	<5 (ppb)

□ ▣ Heavy Mineral Location (Results not included)

GOLDQUEST I PARTNERSHIP

CREIGHTON CREEK CLAIMS - EAST

GEOCHEMISTRY

SILT SAMPLING RESULTS

LEAD, SILVER, ARSENIC, GOLD

PLAN No.	DRAWN	DATE	FIGURE
504		OCT. 1983	3b
REVISED		N.T.S. 82 L / 2	

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CREIGHTON CREEK CLAIMS - EAST

PROSPECTING

PLAN No.	DRAWN	DATE	FIGURE
507	D. Moraal	NOV. / 1983	4 a
REVISED		N.T.S. 82 L / 2	

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EXCLUSIVE DRAFTING SERVICES LTD.

Rhyolite Tuff
Talus

Rhyolite

Rhyolite

Rhyolite Tuff

Granitic, Some Silica
Enriched Zones

Stream Bed Contains Rusty Tuff

Basalt Agglomerate

Columnar Basalt

Cherty Conglomerates

MOSQUITO LAKE

HUMP I HUMP II HUMP III HUMP IV

MOSS I MOSS II MOSS III MOSS IV

370000 m. E.

372000 m. E.

374000 m. E.

5562000 m. N.

5560000 m. N.

5558000 m. N.

5556000 m. N.

LEGEND

- Outcrop
- Overburden
- R ····· Rhyolites and rhyolitic tuffs
- B ····· Basalts and associated agglomerate
- V ····· Volcanic rocks ; undifferentiated
- C ····· Conglomerate

SCALE 1:10,000

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,814

GOLDQUEST I PARTNERSHIP

CREIGHTON CREEK CLAIMS - WEST

PROSPECTING

PLAN No.	DRAWN	DATE	FIGURE
506	D. Moraal	NOV. / 1983	4b
REVISED		N.T.S. 82 L / 2	

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