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Gold Commissioner's Office

Assessment

Report on the Big Bar Property



Clinton Mining Division, British Columbia

Latitude 51° 10' North
Longitude 122° 7' West

by:

Rudolf M. Durfeld, B.Sc., P.Geo.
August 1997.

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

25,119

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A.) INTRODUCTION

1) Location

The Big Bar Property, comprised of the Big Bar 11A mineral claim in the Clinton Mining Division, is located west of the Fraser River, 39 kilometres at 280 degrees from Clinton. More precisely, the property is located at 51 degrees and 10 minutes north latitude and 122 degrees and 7 minutes west longitude. (National Topographic System Map 920/1E)

2) Access and Physiography

Access to the property is from Clinton to the Big Bar Ferry via all weather gravel roads by Kelly Lake or Big Bar Lake to the Big Bar Ferry. The Big Bar Reaction Ferry crosses the the Fraser River to the West Side. On the west side of the river, the road continues to the southwest and crosses the property after approximately 1 kilometre from the ferry.

The terrain of the property is characterized by ravines and plateaus in the Fraser River Canyon from a maximum elevation of 3000 feet above sea level to the river bed at 900 feet above sea level.

The vegetation on the Big Bar Property is characterized as arid grassland. The lower elevations are predominantly covered with sage that gives way to sparse pine forest at the higher elevations.

3) Ownership

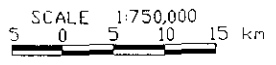
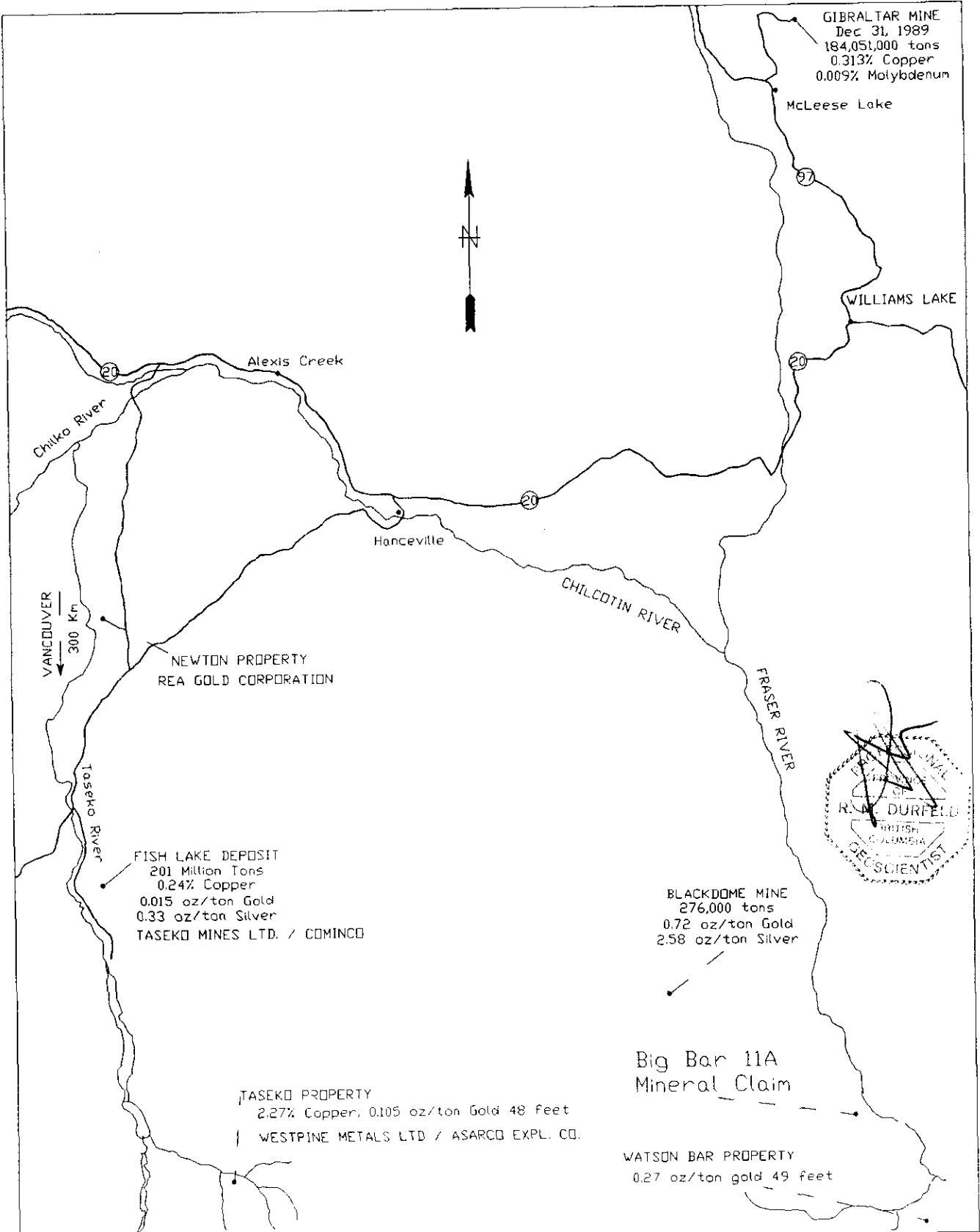
The Big Bar Property, comprised of the Big Bar 11A mineral claim, totals 20 claim units and covers 500 hectares. The status of the claim is summarized below and the relative claim location with the areas worked during the 1996 - 97 program are plotted as figure 2.

Claim Name	Number of Units	Tenure Number	Record Date	Year of Expiry
Big Bar 11A	20	346294	May 30, 1996	1998

The Year of Expiry reflects the Statement of Work filed on May 27, 1997 which is documented in this report. Stephen G. Lehman is the registered owner of the Big Bar 11A mineral claim.

4) Work Program

The 1996 - 97 work program on the Big Bar Property consisted of GPS surveying, grid establishment and rock sampling.



BIG BAR 11A MINERAL CLAIM
LOCATION MAP

NTS 92 0/13E
Figure 1A

B.) BASE MAP AND CONTROL SURVEYS

The base map has been developed using a differential global positioning system survey. A GPS survey has an accuracy of 1 to 5 metres when differentially corrected. The survey was performed by transporting the GPS unit on foot or on a truck and included the location of the legal corner post and control points on the grid. The data that was collected in the field was then corrected in the office using base station data from Williams Lake. The GPS Survey Procedures are given as Appendix IV.

The 2 kilometres of grid was reestablished. The work included running the lines with a hip chain and marking 25 metre stations with flagging tape.

C.) ROCK SAMPLES

1) Sample Collection and Analyses

Seven rock samples were collected from a gossanous quartz vein zone on the road. The samples were numbered with prenumbered assay tags and sent to Min-En Laboratories at 8282 Sherbrooke Street in Vancouver where they were analysed for gold and 30 element ICP.

The detailed description of the analytical procedures employed at Min-En Laboratories, as well as the geochemical results for the rock samples, are included as Appendix III of this report.

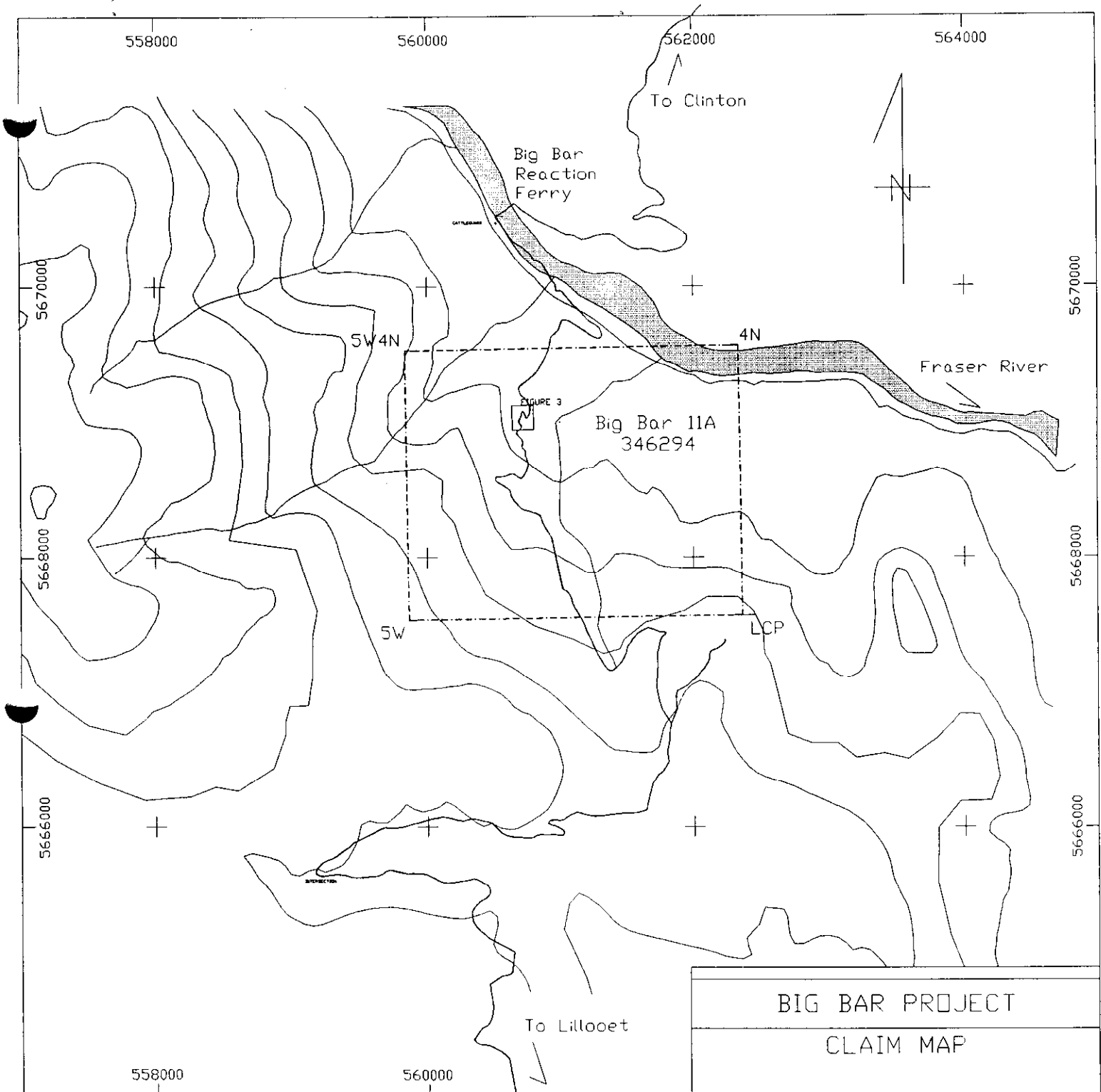
2) Geochemical Results

The samples were collected from a gossanous zone on the road. The results show all samples to be anomalous in gold (46-611 ppb) and arsenic (252-953 ppm).

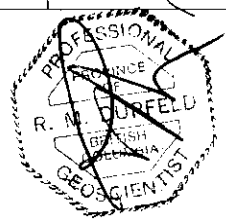
D.) GEOLOGY

In the property area the north/south trending Edge Fault separates grey to green and purple andesites and basalts on the west from Eocene felsic volcanics to the east. (Figure 3).

The rock samples were collected from a gossanous quartz carbonate vein zone hosted by altered andesitic volcanics.

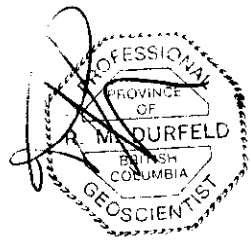
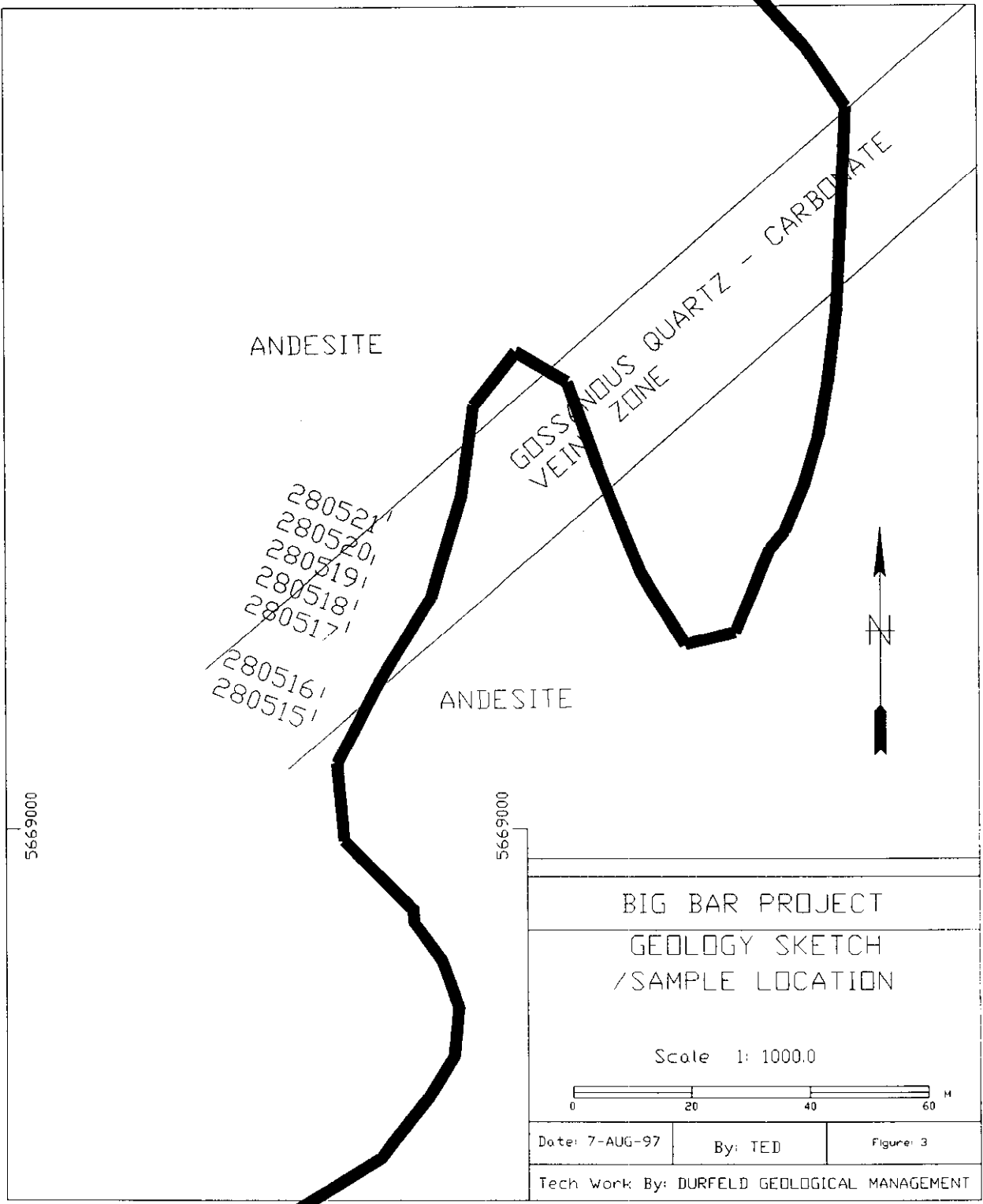


BIG BAR PROJECT		
CLAIM MAP		
Scale 1: 40000.0		
Date: 7-AUG-97	By: TED	Figure: 2
Tech Work By: DURFELD GEOLOGICAL MANAGEMENT		



E.) DISCUSSION

Limited work has shown anomalous gold and arsenic values in a quartz carbonate vein zone. Follow-up work should determine the extent of this zone while evaluating the rest of the property area

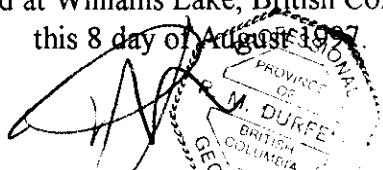


APPENDIX I

Itemized Cost Statement

Technical Staff	
R.M. Durfeld (1 day @ \$400.00)	\$400.00
GPS Consultant	
T.E. Durfeld (1 day @ \$350.00)	\$350.00
Assistants	
V.I. Sault (1 day @ \$160.00)	\$160.00
S.G. Lehman (1 day @ \$160.00)	\$160.00
Computer Technician	
E. Barnes (8 hours @ \$30.00)	\$240.00
Truck Rental (2 days @ \$60.00)	\$120.00
Field Equipment	\$100.00
Geochemical Analyses (7 @ \$20.00)	\$140.00
Report Preparation and Drafting	\$300.00
TOTAL COST OF PROGRAM	\$1970.00

Dated at Williams Lake, British Columbia
this 8 day of August 1997.


R.M. Durfeld, B.Sc., P. Geol. (Geologist)



APPENDIX II

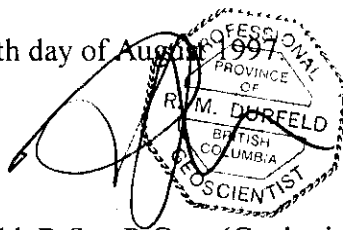
Statement of Qualifications

I, Rudolf M. Durfeld, do hereby certify:

- 1.) That I am a consulting geologist with offices at 1725 Signal Point Road, Williams Lake, BC.
- 2.) That I am a graduate of the University of British Columbia, B.Sc. Geology 1972, and have practised my profession with various mining and/or exploration companies and as an independent geologist since graduation.
- 3.) That I am a member of the British Columbia and Yukon Chamber of Mines.
- 4.) That I am registered as a Professional Geoscientist by the Association of Engineers and Geoscientists of British Columbia (No. 18241)
- 5.) That this report is based on my personal knowledge of the property and supervision of the work that was conducted on the Big Bar Property during the period August 1996 to May 1997.

Dated at Williams Lake, British Columbia

this 8th day of August 1997



R.M. Durfeld, B.Sc., P.Geo. (Geologist)

APPENDIX III

Geochemical Analyses

COMP: durfeld geological
 PROJ:
 ATTN:

MIN-EN LABS — ICP REPORT
 8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
 TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 7V-0468-RJ1+2
 DATE: 97/05/30
 * * (ACT:ICP 31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM	Au-fire PPB
280515	.5	1.31	252	33	.1	1	1.19	.1	10	57	8	3.63	4	.10	30	.95	276	16	.03	23	820	16	2	1	55	12	.01	5	32.2	1	33	137
280516	.3	2.55	270	32	.4	1	3.23	.1	23	96	52	5.04	6	.13	69	2.64	780	7	.02	106	1710	10	7	1	56	18	.03	6	62.3	1	60	46
280517	.9	1.12	953	27	.1	1	4.73	.1	14	74	12	3.59	3	.11	17	.45	507	16	.01	30	790	14	6	1	62	12	.03	4	28.3	1	38	225
280518	2.6	.79	582	38	.3	1	2.77	.1	9	66	20	2.26	2	.13	8	.16	260	32	.03	21	460	17	5	1	85	7	.01	3	12.4	1	55	611
280519	3.5	.29	375	15	.1	1	4.41	.1	4	183	10	1.50	1	.09	1	.12	355	15	.01	11	370	16	6	1	79	4	.01	2	7.9	1	12	200
280520	1.4	.64	636	19	.1	1	1.76	.1	7	110	10	1.70	2	.08	8	.24	236	27	.02	18	460	14	4	1	51	5	.01	2	13.0	1	24	406
280521	1.5	1.26	519	36	.2	1	1.34	.1	7	76	21	3.06	4	.16	23	.82	267	14	.06	21	810	10	5	1	76	10	.01	4	31.9	1	31	413

APPENDIX IV

GPS Survey Procedures

GLOBAL POSITIONING SURVEY (GPS) PROCEDURES

EQUIPMENT

Trimble Pathfinder Pro-

- an eight channel (GPS) receiver.
- connected to an MC-V data logger.
- running Asset Surveyor software supplied by Trimble.

Portable Computer-

- AST 486 with colour monitor.
- with the Pathfinder Post Processing Software supplied by Trimble installed.

FIELD PROCEDURE

Trimble Pathfinder Pro

- was transported in a back-pack and the antennae was placed on a staff, or on a magnetic mount on a vehicle.
- to achieve acceptable accuracies the unit configuration was checked and set to the following settings:
 - elevation mask 13 degrees
 - SNR mask 6.0
 - PDOP MASK 6.0
 - PDOP switch 6.0
 - in point feature 1 second intervals
 - in line feature 3 to 10 second intervals
- Software
 - files were opened and using the Asset Surveyor software and data was stored as lines or nested points.
 - within the Asset Surveyor software labels were attached to these line and/or point features.
 - at the end of each survey day the data-logger was connected to the computer and the raw data (.ssf) down loaded. The completed traverses were displayed on the screen and areas of additional traversing planned.

POST PROCESSING

The post processing consisted of Data Correction and preparation of data files and plan maps.

- Differential Data Correction
 - requires base data files for the hours of the survey. The base data files for this survey were purchased from a community base station located at Prince George operated by Forey Management Ltd.

- the Trimble Pfinder software uses these base data files to calculate the corrections that are applied to the field data to generate the corrected (.cor) file. The accuracy of the corrected data is better than 2 to 5 metres and often found to be less than a metre.

- Output Data

- the Trimble Pfinder software can export the data in various forms. Durfeld Geological Ltd. supplied the ASCII and DXF files for this survey. All data in the GPS is stored in WGS84. The Trimble software is capable of outputting in all the major world grid systems. The data is generally output in Universal Transverse Mercator using NAD83 or NAD27.

COMPUTER ASSISTED DRAFTING

The DXF files can be imported to a computer assisted drafting systems and combined with grid and topographic maps to generate the project base maps. The ASCII files store a permanent grid record of all the mapped features.