85-964 - 14132

Province of British Columbia | Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT
TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S): GEOCHEMICAL (Soil Survey)

TOTAL COST: $ 2,504.60

AUTHOR(S): Rudolf M. Durfeld

SIGNATURE(S): in report.

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED: Sept 30, Dec 6, 1985

YEAR OF WORK: 85

PROPERTY NAME(S): SKARN

COMMODITIES PRESENT: tungsten

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN: MI 093A 090

MINING DIVISION: Cariboo

NTS: 93A/14W

LATITUDE: 52°57' north

LONGITUDE: 121°22' west

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

BON 1 to 4 ... 47807 (9) to 47810 (9)

BON 5 (15 units) ... 5954 (3)

OWNER(S)

(1) George Haywood-Farmer Administrator of the Estate of Wilfred E. Thompson, Deceased

(2) R.M. Durfeld

MAILING ADDRESS

Box 40
Savona, B.C. VOK 2KO

180 Yorston Street
Williams Lake, B.C. V2G 3Z1

OPERATOR(S) (that is, Company paying for the work)

(1) R.M. Durfeld

(2)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,132

MAILING ADDRESS

180 Yorston Street
Williams Lake, B.C. V2G 3Z1

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

The property is underlain by the Mississippian Age 4 Downey Creek Succession that on the BON claims is recognized northwest-trending light grey to brown silicious phyllites with a massive grey limestone to marble core. Parallel to this trend quartz-carbonate-sulphide veins are developed with significant gold-silver-lead-zinc values.

REFERENCES TO PREVIOUS WORK: Assessment Reports: 3521, 6314

(over)

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A. INTRODUCTION

i) Location, Access and Physiography

The BON 1 to 5 mineral claims are located 22 kilometres southeast of the historic community of Barkerville in the Cariboo Mining Division on map sheet NTS 93 A/14. Specifically at 121 degrees 22 minutes west longitude and 52 degrees 57 minutes north latitude. (Figure 1)

Access to the property is by all-weather gravel road from Barkerville via Antler Creek to Cunningham Pass and hence up Cunningham Creek to the property. Access on the property is best achieved by a cat trail that originates at the Cunningham Creek road and bisects the property.

The physiography of the BON claims is characterized by a northeast facing slope that overlooks and becomes steeper toward Cunningham Creek.

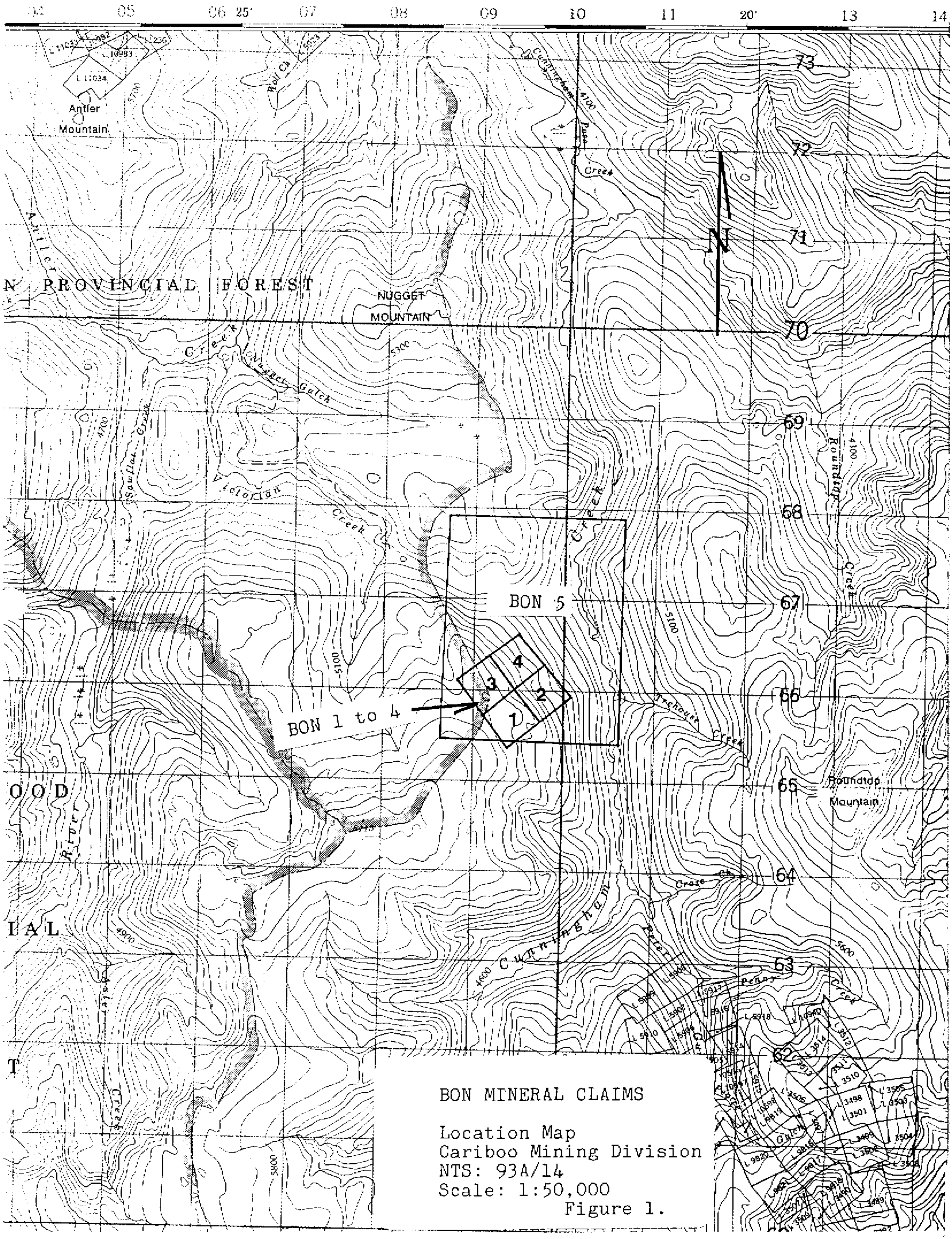
The vegetation is predominantly a mixed stand of fir and spruce forest with extensive undergrowths of alder, huckleberry and blueberry bushes and moss.

ii) Property Definition

The section of Cunningham Creek below the BON mineral claims has been the scene of gold miming from placer operations since 1885. Gold mining from quartz veins began in 1922 at the head of Peter's Gulch (later the Cariboo Hudson Mine), just south of the BON mineral claims. Minor quantities of scheelite have also been produced from this area.

Extensive base and precious metal exploration programs have been conducted in the area since 1971 and have included soil sampling, trenching, diamond drilling and underground development.

On September 19, 1968 the BON 1 to 4 mineral claims were located by Wilfred E. Thompson to cover a quartz-carbonate-galena vein with silver values. On February 29,1984 the author located the BON 5 mineral claim to cover this vein trend to the north.



BON MINERAL CLAIMS

Location Map
Cariboo Mining Division
NTS: 93A/14
Scale: 1:50,000
Figure 1.

The status of these mineral claims is summarized as follows:

CLAIM NAME	RECORD NUMBER	RECORD DATE
BON 1	47807	September 30
BON 2	47808	September 30
BON 3	47809	September 30
BON 4	47810	September 30
BON 5 (15 units)	5954	March 23

Claim Owners - George Haywood-Farmer Administrator for the Estate of Wilfred E. Thompson, Deceased.
- Rudolf M. Durfeld

iii) Summary of Work

The prospecting and grid geochemical soil sampling surveys that are documented in this report were conducted on August 12th and September 5th of this year. A total of 80 soil samples were collected and sent to Acme Analytical Laboratories Ltd in Vancouver for analysis.

B. GEOLOGY

The most recent regional geological mapping in the BON area has been conducted by L.C. Struik during the period 1977 to 1981 and is documented as the Geological survey of Canada, Open File 858.

Struik maps the area of the BON mineral claims as being underlain by the Mississippian Downey Creek succession. The Downey Creek lithologies, as recognized on the BON mineral claims, are generally a section of northwest-trending light grey to brown siliceous, in part, micaceous phyllites. Parallel to this regional trend and bisecting the property is a massive grey limestone to marble lithology.

Regionally, the Downey Creek Succession underlies the length of the "Barkerville Belt".

i) Structural Geology

Within the BON area there is a strong northwest structural trend that is characterized by parallel bedding, foliation and shear trends. The vein structures recognized in the BON area are generally developed parallel to this structural trend and develop variable thicknesses depending on degree of shearing or re-mobilization. A younger northeast trending regional fault offsets the northwest trending structures and veins in the BON area.

ii) Economic Geology

The regional economic mineral potential developed in this area is often referred to the "Barkerville Belt", which is characterized by auriferous quartz vein and/or replacement deposits. Typically, the quartz vein deposits are developed at the Cariboo-Hudson in the south and the Cariboo Gold Quartz in the north. The deposits at the Mosquito Creek Gold Mine, which is located just north of the Cariboo Gold Quartz are developed as quartz vein and replacement deposits, but most of the production has been from the replacement deposits.

Within the "Barkerville Belt" there is potential for precious metal deposits developed as quartz vein and/or replacement deposit types.

Limited rock chip sampling conducted on the BON mineral claims in 1984 developed silver values to 32 oz/ton and gold values to 6200 ppb (0.2 oz/ton).

C. GEOCHEMICAL SURVEY

Soil line 31+90 N was sampled in 1984 perpendicular to the recognized vein structure. Compilation of the soil and rock sample data from this survey developed a good correlation and a strong geochemical soil anomaly (gold, silver, lead, arsenic) was developed in the vein area (31+90N 0+80E to 1+00E).

Additional anomalies were developed in the areas of 31+90 N 0+40W and 31+90N 2+80E. Field examination and prospecting in the areas of these anomalies in 1985 failed to locate a source due to shallow overburden. To better define the extent of all three anomalies lines 32+40N and 32+90N were sampled from 1+00W to 3+00E. The results of this sampling is documented herein.

i) Geochemical Sample Collection and Analysis

The soil sample lines were located by compass and hip chain and the sample stations were flagged and labelled. Soil samples were dug using a grub hoe and the sample was collected from the top of the B-horizon. The soils on the BON property are recognized as Humo-Ferric Podsols that are characterized by an accumulation of iron and aluminum in the subsoil and thus develop rusty B-horizon soils. Characteristics of each soil site were coded to reflect character, texture, origin, horizon, colour and depth. This coded data was transferred to the "Geochemical Sample Data Sheets" and is documented as Appendix I.

All the soil samples were shipped to Acme Analytical Laboratories Ltd in Vancouver where they were analyzed for 30 elements by Inductively Coupled Argon Plasma and gold by Atomic Absorption.

ii) Results

The results of the geochemical analyses are documented as Appendix I of this report. The silver, gold, copper, lead, zinc, manganese, arsenic and tungsten values are plotted on Figures 2 to 4. To better define the anomalous values the data was statistically analyzed. High values were arbitrarily cut and the mean and standard deviations calculated. The anomalous values are defined as the mean plus one standard deviation and the strongly anomalous values as the mean plus two standard deviations. These values are summarized below and have been highlighted on Figures 2 to 4.

ELEMENT	CUT TO	MEAN	STANDARD DEVIATION	ANOMALOUS	STRONGLY ANOMALOUS
silver	1.0 ppm	.63 ppm	.49 ppm	1.0 ppm	1.5 ppm
gold	15 ppb	7.8 ppb	5.7 ppb	15 ppb	20 ppb
copper	70 ppm	44 ppm	19 ppm	60 ppm	80 ppm
lead	200 ppm	109 ppm	68 ppm	180 ppm	250 ppm
zinc	150 ppm	117 ppm	35 ppm	150 ppm	185 ppm
manganese	1200 ppm	706 ppm	344 ppm	1000 ppm	1400 ppm
arsenic	50 ppm	20 ppm	13 ppm	30 ppm	50 ppm
tungsten	10 ppm	2 ppm	2.5 ppm	5 ppm	7 ppm

From the distribution of the anomalous silver and gold values of Figure 2 it is readily evident that three distinct silver and/or gold anomalies are developed. These anomalies also have distinct coincident pathfinder anomalies that are summarized as follows:

WESTERN ANOMALY -(all lines 0+20W to 0+50W) is defined as a generally coincident silver-gold anomaly which in part has a coincident strong lead anomaly.

CENTRAL ANOMALY -(31+90N 0+90E to 1+00E to 32+90N 1+00E to 1+60E) is defined by generally coincident strongly anomalous silver and gold values with coincident anomalous lead, zinc and arsenic values.

EASTERN ANOMALY -(all lines 2+70E to 3+00E) is generally a gold anomaly with isolated coincident anomalous silver values. The isolated strongly anomalous gold and silver values at 32+90N 2+20E and 2+30E are included in this anomalous area that is more broadly defined by strongly anomalous lead and zinc values.

D. CONCLUSIONS

The additional soil sampling conducted on lines 32+40N and 32+90N helped to define the trend of the anomalies that were developed on line 31+90N.

The soil sampling to date has developed three distinct silver and gold anomalies with coincident pathfinder anomalies of lead, zinc and/or arsenic.

The anomaly at 31+90N 0+90E to 1+10E corresponds to quartz-carbonate-sulphide mineralization that in the 1984 chip sampling developed silver values to 32 oz/ton and gold values to 6200 ppb (.2 oz/ton). This suggests that the extension of all three anomalies may represent covered vein mineralization.

Additional soil sampling should be continued to the north to close off the anomalies in that direction and then all anomalies should be tested by backhoe trenching.

APPENDIX I

GEOCHEMICAL ANALYSES

AND

SAMPLE DESCRIPTIONS

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS -80 MESH AU** ANALYSIS BY FA+AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: OCT 1 1985 DATE REPORT MAILED: Oct. 8/85 ASSAYER. V. Saundry DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

DURFELD GEOLOGICAL FILE # 85-2620

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
32+90N 1+00W	2	26	99	130	.3	30	17	390	6.80	8	5	ND	8	10	1	2	2	42	.13	.07	26	56	.54	47	.01	2	2.60	.01	.02	1	3
32+90N 0+90W	1	64	170	243	.9	53	21	3559	11.06	47	5	ND	4	21	2	2	2	22	.40	.13	37	22	.20	82	.01	2	1.64	.01	.02	1	20
32+90N 0+80W	1	69	328	550	.7	44	20	2893	8.44	29	5	ND	3	47	3	2	2	35	.61	.18	21	29	.31	129	.01	2	1.99	.01	.03	1	4
32+90N 0+70W	2	43	108	298	.3	26	12	998	6.89	16	5	ND	1	10	1	2	2	28	.13	.11	19	14	.09	83	.01	2	.82	.01	.03	1	12
32+90N 0+60W	1	19	25	70	.3	9	7	266	3.61	6	5	ND	2	5	1	2	2	39	.05	.08	23	13	.07	24	.02	2	.62	.01	.02	1	6
32+90N 0+50W	1	32	61	128	.2	23	12	357	6.14	10	5	ND	5	7	1	2	2	23	.05	.21	26	21	.28	38	.01	2	1.33	.01	.04	2	13
32+90N 0+40W	1	26	39	71	1.3	15	11	646	5.73	7	5	ND	2	5	1	2	2	32	.03	.17	21	20	.21	26	.01	2	1.21	.01	.03	1	20
32+90N 0+30W	1	39	83	151	1.6	32	14	598	6.79	11	5	ND	5	5	1	2	2	26	.03	.17	21	36	.49	58	.01	2	2.01	.01	.03	1	16
32+90N 0+20W	1	26	48	86	1.6	14	8	371	5.01	8	5	ND	4	4	1	2	2	28	.03	.15	21	22	.21	36	.01	2	1.31	.01	.03	1	1
32+90N 0+10W	1	14	48	41	1.4	9	5	205	3.31	2	5	ND	1	5	1	2	2	24	.02	.08	26	15	.14	24	.02	2	.85	.01	.03	2	12
32+90N 0+00W	1	48	50	132	1.0	28	15	1355	6.72	5	5	ND	6	5	1	2	2	20	.04	.15	24	20	.41	76	.01	3	1.64	.01	.04	1	10
32+90N 0+10E	1	53	200	156	1.3	23	14	834	7.05	18	5	ND	3	5	1	2	2	24	.02	.11	19	19	.24	47	.01	2	1.30	.01	.03	1	22
32+90N 0+20E	1	34	52	82	.4	15	12	410	6.00	20	5	ND	3	7	1	2	2	24	.08	.10	24	11	.10	37	.01	2	1.00	.01	.02	1	2
32+90N 0+30E	1	44	54	92	.6	13	16	753	8.80	28	5	ND	2	5	1	2	2	32	.02	.16	14	9	.09	30	.01	2	.60	.01	.02	1	1
32+90N 0+40E	1	78	25	77	.1	15	16	670	6.36	15	5	ND	2	4	1	2	2	12	.02	.12	10	5	.10	27	.01	2	.59	.01	.02	1	6
32+90N 0+50E	1	44	34	77	.1	13	12	1128	7.13	17	5	ND	1	5	1	2	2	22	.01	.12	16	9	.10	41	.01	2	.81	.01	.02	1	1
32+90N 0+60E	2	62	12	68	.1	12	14	440	6.59	10	5	ND	1	4	1	2	2	33	.02	.16	20	6	.07	20	.01	2	.34	.01	.02	1	9
32+90N 0+70E	1	35	31	67	.2	17	13	594	6.38	8	5	ND	1	4	1	2	2	31	.02	.24	18	10	.10	22	.01	2	.64	.01	.02	1	13
32+90N 0+80E	1	64	47	104	.1	21	21	1614	7.30	8	5	ND	2	6	1	2	2	27	.06	.17	20	13	.23	41	.01	2	1.05	.01	.03	1	12
32+90N 0+90E	1	18	24	41	.2	8	5	331	2.28	18	5	ND	3	8	1	2	2	11	.03	.06	28	3	.03	46	.01	2	.49	.01	.03	1	85
32+90N 1+00E	1	15	38	84	.6	10	6	172	3.47	15	5	ND	3	4	1	2	2	13	.01	.13	27	7	.05	19	.01	2	.62	.01	.03	1	9
32+90N 1+10E	1	11	31	56	.9	18	7	192	3.71	6	5	ND	5	3	1	2	2	18	.01	.12	19	17	.26	32	.01	4	1.25	.01	.03	1	28
32+90N 1+20E	1	25	69	66	1.2	14	9	280	6.01	11	5	ND	3	5	1	2	2	24	.02	.15	23	18	.23	19	.01	2	1.00	.01	.03	1	20
32+90N 1+30E	1	18	35	60	.5	10	7	607	3.59	17	5	ND	1	5	1	2	2	24	.03	.17	25	9	.12	28	.01	2	.55	.01	.03	7	19
32+90N 1+40E	1	30	88	109	1.3	15	11	342	6.73	16	5	ND	3	5	1	2	2	24	.03	.15	23	13	.17	26	.01	2	.85	.01	.03	1	8
32+90N 1+50E	1	50	405	222	3.2	44	26	1595	5.90	33	5	ND	8	9	1	4	2	18	.09	.12	29	25	.69	35	.01	2	1.68	.01	.03	1	30
32+90N 1+60E	1	21	220	100	2.0	24	12	471	5.86	14	5	ND	4	6	1	2	2	21	.05	.16	16	23	.42	28	.01	2	1.43	.01	.03	2	6
32+90N 1+70E	1	22	261	166	4.6	23	8	367	3.03	8	5	ND	2	61	1	2	2	14	1.09	.16	10	18	.42	69	.01	2	1.33	.01	.03	1	2
32+90N 1+80E	1	20	103	114	.5	11	8	186	4.55	10	5	ND	4	10	1	2	2	22	.13	.09	21	16	.20	66	.01	2	1.04	.01	.03	1	1
32+90N 1+90E	1	26	96	196	.1	14	9	334	5.06	18	5	ND	5	6	1	2	2	22	.05	.10	27	13	.16	48	.01	2	.93	.01	.02	2	10
32+90N 2+00E	1	17	22	59	.4	8	6	220	3.01	12	5	ND	4	6	1	2	2	30	.06	.05	31	8	.06	30	.01	2	.68	.01	.01	4	10
32+90N 2+10E	2	63	98	213	.1	24	15	620	6.73	30	5	ND	2	5	1	2	2	16	.03	.12	27	10	.08	28	.01	4	.64	.01	.02	321	1
32+90N 2+20E	2	117	1208	591	4.0	22	23	953	9.50	54	5	ND	2	7	1	5	2	24	.09	.17	23	11	.08	48	.01	2	1.01	.01	.03	4	5
32+90N 2+30E	1	51	654	236	3.4	29	15	651	7.09	72	5	ND	4	9	1	5	2	19	.08	.20	20	16	.23	50	.01	2	1.10	.01	.03	2	140
32+90N 2+40E	2	50	847	163	.8	36	16	660	6.42	55	5	ND	4	8	1	2	2	19	.06	.15	24	15	.24	39	.01	2	1.13	.01	.03	1	13
32+90N 2+50E	1	53	208	140	.3	38	18	1083	5.33	17	5	ND	5	11	1	2	2	17	.11	.12	26	16	.40	56	.01	2	1.21	.01	.04	1	2
STD C/FA-AU	20	59	39	137	6.9	71	29	1183	3.94	39	18	8	38	54	16	15	22	59	.48	.15	38	59	.88	180	.08	39	1.72	.06	.11	12	51

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
32+90N 2+60E	1	32	125	108	.5	13	11	611	5.31	18	5	ND	3	8	1	2	2	27	.06	.07	19	13	.13	54	.01	2	.95	.01	.03	1	2
32+90N 2+70E	1	70	246	243	.4	38	20	990	5.36	23	5	ND	9	18	1	2	2	18	.20	.13	35	13	.38	61	.01	2	1.04	.01	.05	1	22
32+90N 2+80E	1	27	118	130	.4	15	10	402	4.79	13	5	ND	2	10	1	2	2	22	.11	.09	15	14	.20	111	.01	2	.95	.01	.03	1	4
32+90N 2+90E	1	49	255	235	.6	25	15	648	5.58	29	5	ND	3	11	1	3	2	20	.10	.10	21	16	.20	65	.01	2	.96	.01	.04	2	80
32+90N 3+00E	1	38	128	147	1.0	19	11	827	4.65	20	5	ND	2	11	1	2	2	19	.23	.08	17	10	.17	64	.01	2	.73	.01	.04	5	15
32+40N 1+00W	1	68	304	87	.5	40	16	2909	8.66	19	5	ND	7	13	1	2	2	14	.14	.13	30	10	.12	81	.01	2	1.01	.01	.02	1	1
32+40N 0+90W	1	29	249	81	.6	17	9	1099	6.18	8	5	ND	2	5	1	2	2	14	.06	.12	20	14	.08	41	.01	2	.86	.01	.02	1	1
32+40N 0+80W	1	36	85	242	.5	16	8	719	6.85	10	5	ND	2	3	1	2	2	18	.02	.11	11	12	.08	41	.01	2	.65	.01	.02	1	2
32+40N 0+70W	1	26	26	74	.5	11	8	876	6.46	6	5	ND	1	4	1	2	2	30	.02	.13	16	24	.16	66	.01	2	1.04	.01	.03	1	1
32+40N 0+60W	1	32	58	119	.2	21	11	868	6.12	7	5	ND	1	4	1	2	2	23	.02	.14	21	19	.17	33	.01	2	.84	.01	.02	1	1
32+40N 0+50W	2	97	828	320	3.7	22	16	5796	9.01	46	5	ND	1	9	1	2	6	27	.08	.17	13	14	.10	110	.01	5	.74	.01	.02	1	12
32+40N 0+40W	1	125	222	412	2.3	22	19	5660	17.11	41	5	ND	2	7	2	2	2	32	.03	.23	2	14	.17	131	.01	2	.75	.01	.03	1	17
32+40N 0+30W	1	72	73	150	.9	18	11	765	8.51	24	5	ND	3	4	1	2	2	31	.01	.11	20	11	.11	28	.02	3	.69	.01	.02	1	1
32+40N 0+20W	1	53	196	188	1.1	25	14	471	7.37	17	5	ND	5	7	1	2	2	26	.05	.13	19	22	.30	44	.01	2	1.54	.01	.04	2	8
32+40N 0+10W	1	65	59	108	.5	20	16	1232	7.82	10	5	ND	3	5	1	2	2	39	.04	.28	21	12	.28	64	.01	2	1.12	.01	.04	2	1
32+40N 0+00W	1	41	88	140	.3	15	13	846	8.25	11	.5	ND	4	5	1	2	2	36	.02	.21	19	17	.23	41	.01	2	1.29	.01	.03	1	2
32+40N 0+10E	1	56	57	107	.9	16	14	746	7.99	9	5	ND	3	5	1	2	2	44	.02	.17	17	14	.22	41	.01	4	1.50	.01	.03	1	3
32+40N 0+20E	1	58	19	81	.3	11	15	438	6.77	4	5	ND	2	5	1	2	2	84	.03	.19	13	10	.29	35	.02	2	1.25	.01	.02	1	2
32+40N 0+30E	2	51	70	90	.4	30	11	478	6.52	13	5	ND	6	6	1	2	2	20	.04	.13	32	14	.11	44	.01	2	.93	.01	.02	1	8
32+40N 0+40E	1	43	98	115	.4	16	12	479	6.70	21	5	ND	3	5	1	2	2	28	.02	.12	28	12	.09	34	.01	3	1.04	.01	.02	1	1
32+40N 0+50E	1	124	23	154	.3	22	27	1005	11.13	24	5	ND	3	5	1	2	2	59	.04	.25	7	16	.44	39	.01	2	1.86	.01	.03	1	2
32+40N 0+60E	1	117	44	170	.3	28	28	1376	10.88	23	5	ND	4	9	1	2	2	52	.16	.22	11	16	.46	60	.01	2	1.88	.01	.03	1	5
32+40N 0+70E	1	111	78	163	.8	25	27	1537	9.78	22	5	ND	3	9	1	2	2	45	.16	.18	16	15	.34	57	.01	2	1.67	.01	.03	1	2
32+40N 0+80E	1	129	91	140	.5	20	27	1679	9.78	15	5	ND	3	10	1	2	2	35	.20	.18	13	11	.28	55	.01	2	1.29	.01	.03	1	9
32+40N 0+90E	1	52	41	102	.3	37	21	1313	6.10	32	5	ND	4	7	1	2	2	15	.11	.09	26	6	.10	43	.01	2	.67	.01	.03	1	14
32+40N 1+00E	1	93	243	727	.9	27	22	4456	11.68	44	5	ND	3	17	4	2	2	13	.31	.24	23	5	.14	97	.01	2	.79	.01	.03	1	15
32+40N 1+10E	1	55	14	63	.3	19	7	535	4.98	91	5	ND	7	12	1	2	2	6	.02	.06	33	3	.05	33	.01	2	.48	.01	.02	1	14
32+40N 1+20E	1	28	176	69	.3	15	8	547	4.16	69	5	ND	5	4	1	2	2	16	.01	.10	30	10	.09	25	.01	2	.69	.01	.03	4	145
32+40N 1+30E	1	30	192	185	1.2	22	12	542	7.17	49	5	ND	7	6	1	2	2	23	.03	.24	27	19	.21	30	.01	5	1.25	.01	.03	5	185
32+40N 1+40E	1	17	89	120	.2	11	6	342	4.28	15	5	ND	3	6	1	2	2	21	.06	.17	24	9	.15	20	.01	2	.81	.01	.03	1	15
32+40N 1+50E	1	17	125	118	.4	24	9	538	6.11	10	5	ND	7	5	1	2	2	24	.03	.19	24	28	.43	29	.01	2	1.63	.01	.03	1	4
32+40N 1+60E	1	27	46	102	1.0	24	12	688	7.23	10	5	ND	2	7	1	2	2	30	.05	.17	29	36	.41	24	.02	2	1.79	.01	.03	1	2
32+40N 1+70E	2	20	35	295	.5	23	10	1592	4.86	5	5	ND	2	9	1	3	2	27	.04	.15	27	36	.49	52	.01	3	2.09	.01	.03	1	1
32+40N 1+80E	1	21	76	139	.4	25	13	805	7.03	4	5	ND	6	16	1	2	2	30	.05	.27	31	30	.50	57	.01	3	1.54	.01	.04	1	3
32+40N 1+90E	1	32	113	99	.6	22	11	264	5.16	12	5	ND	6	8	1	2	2	19	.06	.08	25	18	.31	78	.01	2	1.20	.01	.02	1	7
32+40N 2+00E	1	32	51	86	.2	18	9	207	4.82	9	5	ND	6	5	1	2	2	18	.02	.07	24	18	.30	45	.01	5	1.19	.01	.02	1	6
STD C/FA-AU	20	60	39	138	7.1	69	29	1192	3.95	39	18	8	38	53	16	15	21	60	.48	.15	39	60	.88	181	.08	39	1.72	.06	.11	11	48

DURFELD GEOLOGICAL FILE # 85-2620

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
32+40N 2+10E	1	26	134	124	.4	22	12	400	6.27	11	5	ND	6	5	1	2	2	24	.03	.15	19	19	.26	34	.01	3	1.21	.01	.03	1	1
32+40N 2+20E	1	66	144	104	1.7	20	17	496	8.97	9	5	ND	3	5	1	2	2	29	.05	.21	12	15	.23	34	.01	4	1.30	.01	.02	1	3
32+40N 2+30E	1	74	116	86	.5	21	16	1044	6.15	37	5	ND	2	4	1	2	2	24	.03	.15	19	9	.10	52	.01	11	.91	.01	.02	1	1
32+40N 2+40E	1	206	249	137	.4	40	29	836	9.44	88	5	ND	3	4	1	2	2	21	.02	.13	19	10	.12	53	.01	6	.76	.01	.02	1	8
32+40N 2+50E	1	40	165	96	.4	19	12	394	5.36	15	5	ND	4	5	1	2	2	21	.04	.08	15	12	.16	36	.01	2	.59	.01	.02	1	2
32+40N 2+60E	1	65	294	191	.9	31	18	646	5.68	15	5	ND	6	6	1	2	2	22	.04	.09	21	15	.22	49	.01	6	1.54	.01	.02	1	4
32+40N 2+70E	1	59	274	270	.6	30	17	904	5.42	28	5	ND	4	8	1	2	2	18	.08	.10	24	10	.21	57	.01	5	.96	.01	.04	3	25
32+40N 2+80E	1	46	210	196	.9	23	16	738	5.87	19	5	ND	3	6	1	2	2	18	.04	.12	15	12	.19	45	.01	6	.96	.01	.03	3	25
32+40N 2+90E	1	39	230	192	.9	22	13	520	5.43	20	5	ND	3	7	1	2	2	19	.07	.10	16	11	.19	64	.01	8	.92	.01	.03	2	32
32+40N 3+00E	1	59	287	256	.4	34	20	828	6.71	30	5	ND	4	11	1	2	2	16	.15	.19	19	12	.23	44	.01	3	.89	.01	.04	11	165
STD C/FA-AU	20	60	40	135	7.0	67	30	1196	3.95	37	16	8	39	53	16	15	22	60	.48	.15	38	59	.88	181	.08	41	1.72	.06	.11	12	50

PROJECT No.: BON

AREA BARKERVILLE.

1 of 3

F. No.:

GEOCHEMICAL SAMPLE DATA SHEET

YEAR:

COLLECTOR:

Sample Number	Date	UTM	East	North	Photo or Map	Type	Charat	Texture	Origin	Horizon	Colour	pH	Cusec or Depth	Rock Type	Min	Frost Boil	O	Ash	
1 32+40N 7	10	15	19	23	30	31	32	35	38	40	42	44	48	51	52	53	54	55	80
1+00W	Sm5					2	2	45	1	1	1,2	.	1.						
0+90W									1,2			.	.5						
0+80W								1	2			.	.						Please analyze these soils by
0+70W								45	1,2			.	1.						
0+60W								3,1	2			.	.						30 element ICP and Au by FA-A.A.
0+50W								1,5	1,4	1	2	.	1.						
0+40W								1,4	2,4		1,2	.	.5						
0+30W								4				.	.						
0+20W												.	.						
0+10W									2			.	.						
B.L.0.								1,4	1,4			.	.						
0+10E								4	1,2		2	.	.						
0+20E												.	.						
0+20E											1,2	.	1.						
0+40E									2			.	.						
0+50E												.	.						
0+60E								45				.	.						
0+70E								1,4				.	.						
0+80E								1,5	2			.	.5						
0+90E								4	2			.	1.						
1+00E								1,5			2	.	1.						
1+10E								1,5			1,2	.	.						
1+20E												.	.						
1+30E												.	.						
1+40E									1			.	.						
1+50E								1	2			.	.						
1+60E									2,4		2	.	.						
1+70E									1,4		1,2	.	.						
1+80E									2,4			.	1.5						
1+90E												.	.5						

PATENT PENDING MIN-EN LABS.

PROJECT No.: Bon

GEOCHEMICAL SAMPLE DATA SHEET

F. No.:

YEAR:

COLLECTOR:

AREA BARKERVILLE

2 of 3

Sample Number (1) 32+40W	Date (7–10)	UTM (15)	East (19)	North (23)	Photo or Map (30)	Type (31)	Charac (32)	Texture (35)	Origin (38)	Horizon (40)	Colour (42)	pH (44)	Cusec or Depth (48)	Rock Type (51)	Min (52)	Frost Boil (53)	? (54)	Ash (55)	(80)
0+00S	Sept 5					2	2	1	2	1	1,2	.	.5						
0+10S									1,2			.	1.						
2+20S									2			.	.						
2+30S											2	.	.						Road
2+40S									1,2		1,2	.	.						
2+50S									2			.	.						
2+60S												.	.						
2+70S												.	.						Road
2+80S												.	.						
2+90S												.	.5						
3+00S									2,4			.	1.						
32+19W 1+00W								4,5	1		2	.	1.						
0+90W								1,5			1,2	.	.5						
0+80W												.	.						
0+70W												.	.						
0+60W								4,5			2,3	.	.						
0+50W								1,5			1,2	.	.						
0+40W								1,4			2	.	.						
0+30W								1,5	4		1,2	.	.						
0+20W											2	.	.						
0+10W								4,5				.	.						
B.L.0.												.	.						
0+10E								4,4	1		1,2	.	.						
0+20E												.	.						
0+30E								4,4				.	.						
0+40E												.	.						
0+50E											2	.	.						
0+60E												.	.						
0+70E												.	.						
0+80E												.	.						

PROJECT No.: Bcal

AREA: BARKERVILLE

3 of 3

GEOCHEMICAL SAMPLE DATA SHEET

F. No.:

YEAR:

COLLECTOR:

Sample Number	Date	UTM	East	North	Photo or Map	Type	Charct	Texture	Origin	Horizon	Colour	pH	Cusec or Depth	Rock Type	Min	Frost Boil	Ash
1 32+90N 6	7 10	15	19	23	30	31	32	35	38	40	42	44	48	51	52	53 54	55
0+90E						2	2	45	1	1	23		5				
1+00E													1				
1+10E								1,4			1,2		5				
1+20E																	
1+30E																	
1+40E																	
1+54E								15			23		5				
1+60E											12						
1+70E								3,4	1,4		2		1				
1+80E								1,5	1		1,2		5				
1+90E																	
2+00E								45			23		5				
2+10E											1,2						
2+20E																	
2+30E								15									
2+40E																	
2+50E																	
2+60E								45									
2+70E																	
2+80E								1		2	2						
2+90E								4									
3+00E								4,5			1,2						

PATENT PENDING MIN-EN LABS.

APPENDIX II

ITEMIZED COST STATEMENT

PERSONNEL	
Contract Geologist - R.M. Durfeld 2 days @ $250/day	$ 500.00
Geological Assistant - Walter Posnikof	200.00
TRANSPORTATION	
Truck Rental - 2 days @ $50	100.00
Truck Fuel	110.00
ROOM AND BOARD 4 man days @ $35/day	140.00
GEOCHEMICAL ANALYSES 80 soil samples	1,004.60
REPORT PREPARATION AND DRAFTING	450.00
Total	$ 2,504.60

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

Durfeld Geological Management Ltd.
180 Yorston Street
Williams Lake, B.C. V2G 3Z1

Telephone (604) 392-4691

APPENDIX III

STATEMENT OF QUALIFICATIONS

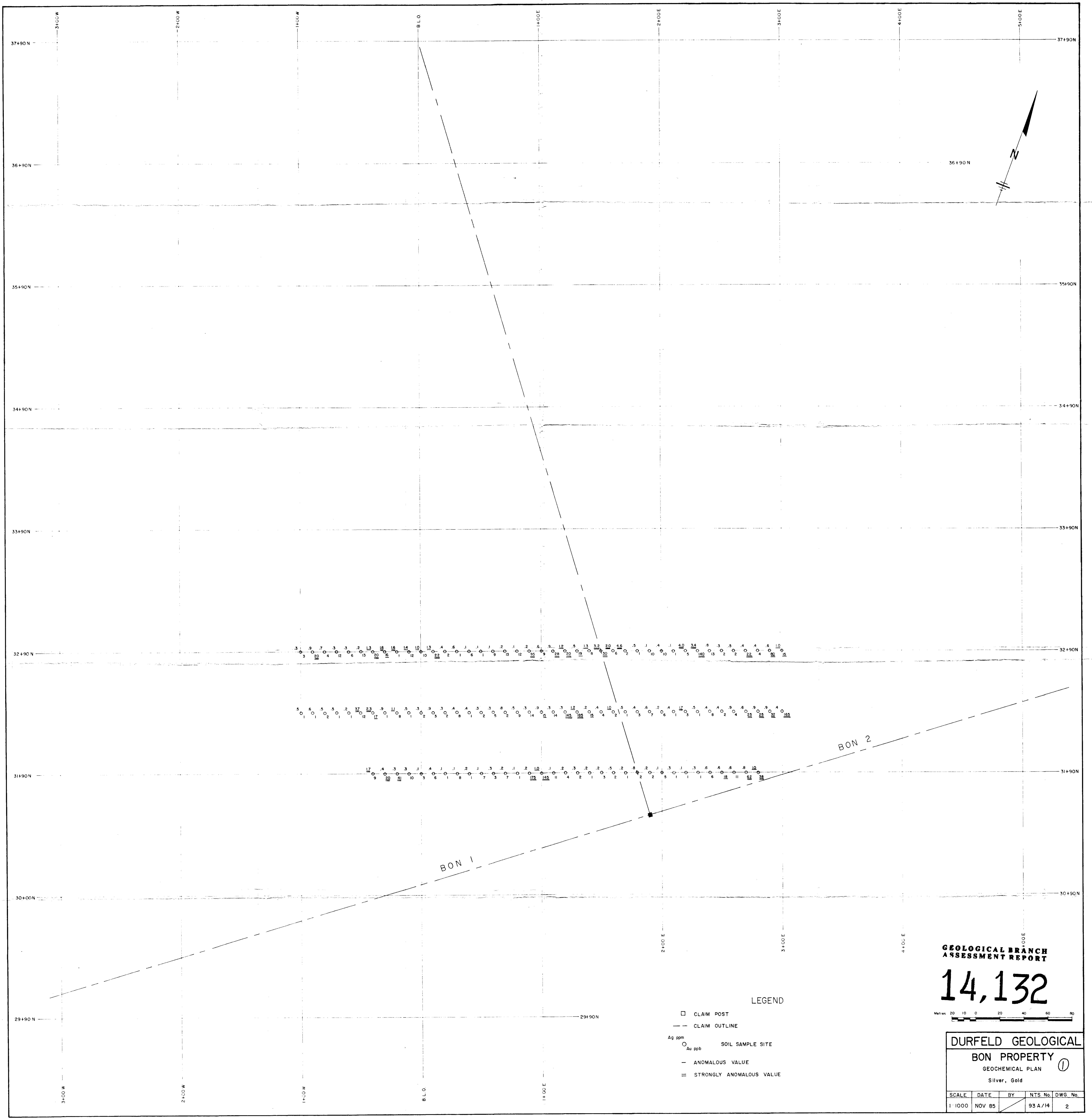
I Rudolf M. Durfeld of 2029 South Lakeside Drive, Williams Lake, British Columbia, hereby certify that:

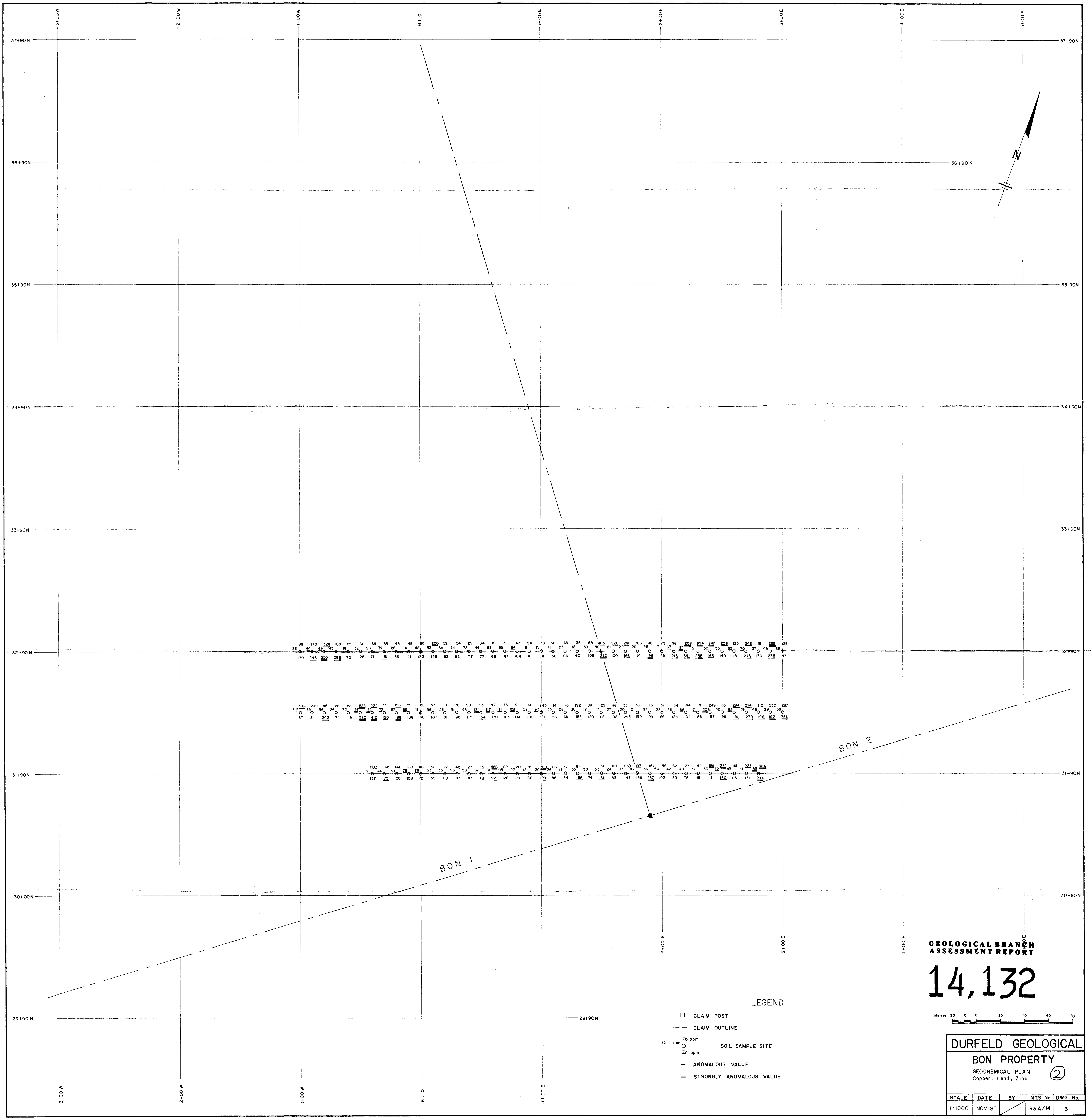
1) I am a graduate of the University of British Columbia, Bachelor of Science (Geology Major) in 1972 and have practiced my profession as geologist since that time.

2) I am a Fellow of the Geological Association of Canada (Member No: F3025).

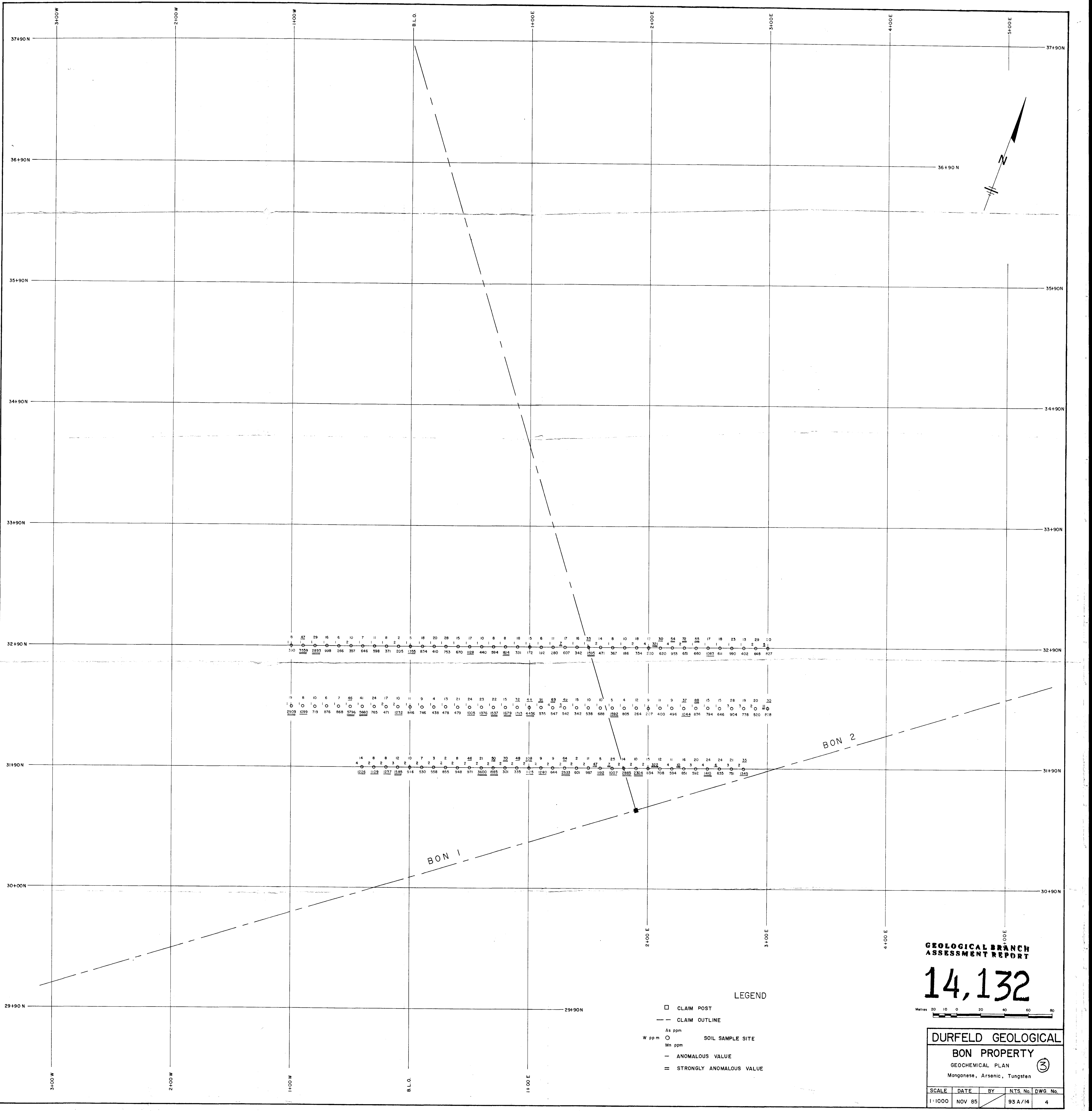
3) I am the author of this report which is based on work that was conducted on the BON 1 to 5 mineral claims on August 12th and September 5th, 1985.

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


3+00W
2+00W
1+00W
BL0
1+00E
2+00E
3+00E
4+00E
5+00E
37+90N
36+90N
35+90N
34+90N
33+90N
32+90N
31+90N
30+00N
30+90N
29+90N
N
BON 1
BON 2
LEGEND
CLAIM POST
CLAIM OUTLINE
Ag ppm
Au ppb
SOIL SAMPLE SITE
ANOMALOUS VALUE
STRONGLY ANOMALOUS VALUE
GEOLOGICAL BRANCH
ASSESSMENT REPORT
14,132
Metres 20 10 0 20 40 60 80
DURFELD GEOLOGICAL
BON PROPERTY
GEOCHEMICAL PLAN
Silver, Gold
SCALE 1:1000
DATE NOV 85
BY
NTS No. 93 A/14
DWG. No. 2



3+00 W
2+00 W
1+00 W
B.L.O.
1+00 E
2+00 E
3+00 E
4+00 E
5+00 E
37+90 N
36+90 N
35+90 N
34+90 N
33+90 N
32+90 N
31+90 N
30+00 N
30+90 N
29+90 N
N
BON 1
BON 2
GEOLOGICAL BRANCH
ASSESSMENT REPORT
14,132
LEGEND
CLAIM POST
CLAIM OUTLINE
Cu ppm
Pb ppm
Zn ppm
SOIL SAMPLE SITE
ANOMALOUS VALUE
STRONGLY ANOMALOUS VALUE
Metres 20 10 0 20 40 60 80
DURFELD GEOLOGICAL
BON PROPERTY
GEOCHEMICAL PLAN
Copper, Lead, Zinc
②
SCALE 1:1000
DATE NOV 85
BY
N.T.S. No. 93 A/14
DWG. No. 3


3+00 W
2+00 W
1+00 W
B.L.O.
1+00 E
2+00 E
3+00 E
4+00 E
5+00 E
37+90 N
36+90 N
35+90 N
34+90 N
33+90 N
32+90 N
31+90 N
30+00 N
30+90 N
29+90 N
BON 1
BON 2
N
GEOLOGICAL BRANCH
ASSESSMENT REPORT
14,132
Metres 20 10 0 20 40 60 80
LEGEND
CLAIM POST
CLAIM OUTLINE
As ppm
W ppm
Mn ppm
SOIL SAMPLE SITE
ANOMALOUS VALUE
STRONGLY ANOMALOUS VALUE
DURFELD GEOLOGICAL
BON PROPERTY
GEOCHEMICAL PLAN
Manganese, Arsenic, Tungsten
3
SCALE 1:1000
DATE NOV 85
BY
N.T.S. No. 93 A/14
DWG. No. 4