

PRINCE GEORGE

86-843-15422



Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S)	TOTAL COST
GEOCHEMICAL	\$ 1,100.00

AUTHOR(S) Rudolf M. Durfeld SIGNATURE(S) *[Signature]*

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED Sept. 29, 1986 YEAR OF WORK 1986

PROPERTY NAME(S)

BON

COMMODITIES PRESENT

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN

MINING DIVISION Cariboo NTS 93A/14W

LATITUDE 52° 55.9' LONGITUDE 121° 21.9'

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 1-4 (4 units total)
BON 6 (12 units)

OWNER(S)

(1) George Haywood-Farmer (2)

MAILING ADDRESS

Box 40
Savona, B.C. V0K 2J0

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

(1) R.M. Durfeld (2)

MAILING ADDRESS

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

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

The claims are underlain by the Mississippian Downey Creek Succession consisting of a northwest trending section of brown siliceous phyllite with a limestone - marble core. Strong shearing is developed within this northwest trend and contains parallel quartz-carbonate-sulphide veining.

Soil geochemistry identified anomalous gold and silver values.

REFERENCES TO PREVIOUS WORK

FILMED

86-843-15422

GEOCHEMICAL REPORT ON THE
BON MINERAL CLAIM GROUP

Cariboo Mining Division

SUBMIT DATE	
DEC 29 1986	<i>Amid.</i>
M.R. #	
VANCOUVER, B.C.	

NTS 93A/14W/
55.9'

Latitude: 52° 57' north
Longitude: 121° 22' west

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

Claim	Record Number
BON 1	47807 2 post claim
BON 2	47808 " "
BON 3	47809 " "
BON 4	47810 " "
BON 6 (12 units)	new modified grid claim

Report by: R.M.Durfeld B.Sc

DURFELD GEOLOGICAL MANAGEMENT LTD.
180 Yorston Street
Williams Lake, B.C.
V2G 3Z1

DECEMBER 1986

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

15,422

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ILLUSTRATIONS

Figure 1	BON MINERAL CLAIMS Location Map	
Figure 2	GEOCHEMICAL PLAN (silver, gold)	Attached
Figure 3	" " (copper, lead, zinc)	"
Figure 4	" " (manganese, arsenic, tungsten)	"

APPENDICES

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A. INTRODUCTION

i) Location and Access

The BON 1 to 4 and 5 mineral claims are located 22 kilometers southeast of the historic community of Barkerville on map sheet NTS 93 A/14. (Figure 1)

Access to the property is by all-weather 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 all-weather 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 undergrowth of alder, huckleberry, blueberry bushes and moss.

ii) Property Definition

The section of Cunningham Creek below the BON mineral claims has been the scene of gold mining for 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 sheelite have also been produced from this area.

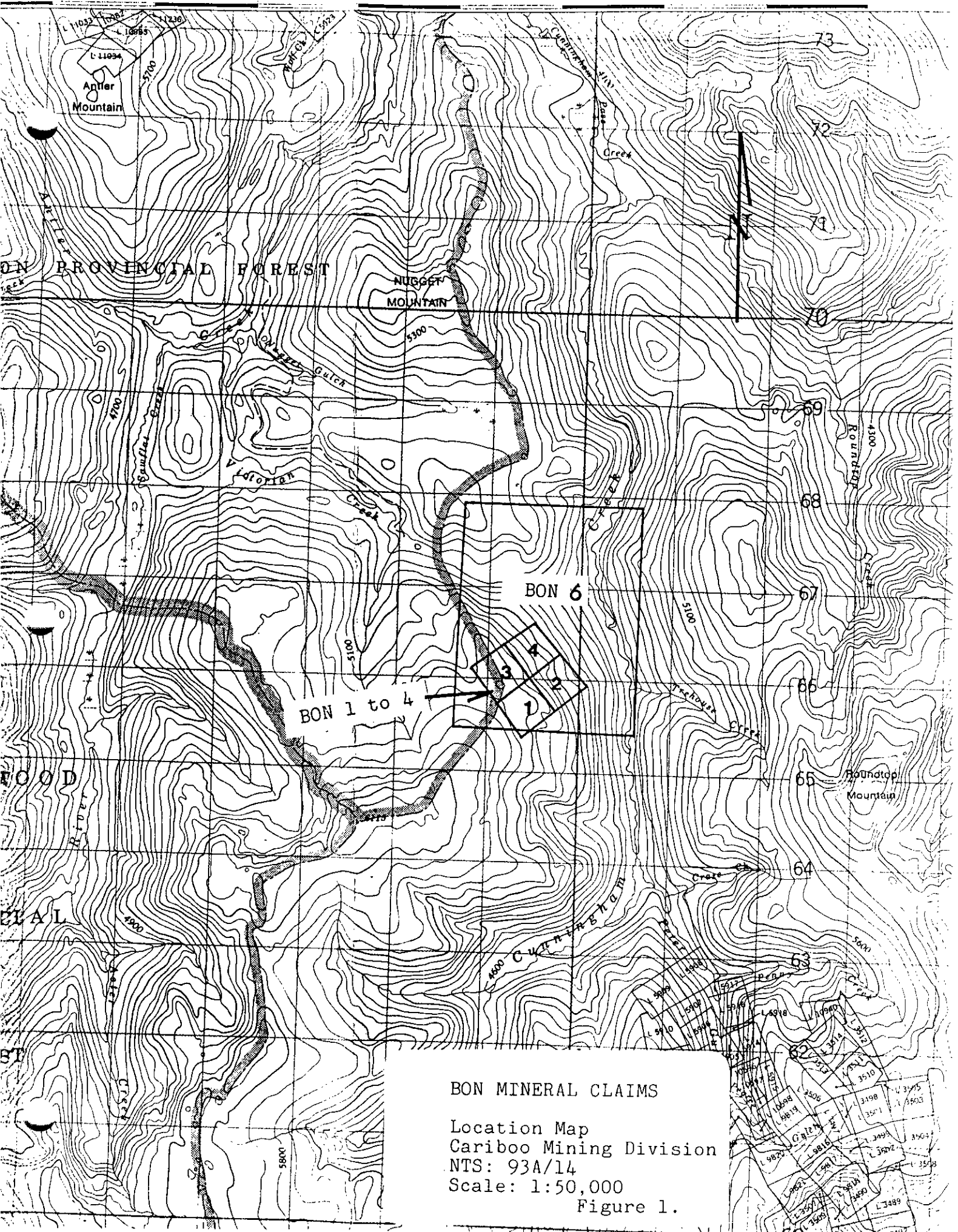
Extensive base metal exploration was conducted in the area between 1971 and 1977, predominantly by way of soil sampling, trenching and minor diamond drilling.

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 March 23, 1984 the author located the BON 5 mineral claim to cover this vein trend to the north.

The status of these mineral claims is summarized as follows:

<u>CLAIM NAME</u>	<u>RECORD NUMBER</u>	<u>RECORD DATE</u>
BON 1	47807	September 30
BON 2	47808	September 30
BON 3	47809	September 30
BON 4	47810	September 30
BON 6 (12 units)	new	December 1

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



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

The recent programs on the BON claims have concentrated on defining the economic potential of the recognized vein structures that to date have yielded values of up to 32.0 ounces per ton silver and .20 ounces per ton gold. A recent VLF-electromagnetic survey that is documented in a previous report helped to define structure in the vein area. The detail geochemical soil sampling that is documented in this report was designed to define the response of geochemical soil samples collected in the area of vein structures.

iii) Summary of Work

A compilation of the 1985 soil sampling on the BON property recognized several anomalous trends in silver-gold and pathfinder geochemical anomalies. The general trend of these anomalies was north to northwest and a logical extension of the work was line 33+40 north. On September 16, 1986, thirty-six soil samples were collected at 10 metre intervals from 0+00E to 3+50E. All samples were found to be of a residual nature with a high percentage of angular rock fragments. A rusty B-horizon soil was generally developed between 3 and 6 inches from surface. At all sample sites it was possible to collect good B-horizon soils that were placed in Kraft sample bags and shipped to Acme Analytical Laboratories of Vancouver for analysis.

B. RESULTS

The results of these analyses are documented on figures 2 to 4 for silver, gold, copper, lead, zinc, manganese, arsenic and tungsten and as appendix I. The statistically derived anomalous and strongly anomalous values derived in the 1985 report were incorporated to better define the anomalous areas. These values are listed below and have also been highlighted on figures 2 to 4.

ELEMENT	ANOMALOUS	STRONGLY ANOMALOUS
Gold	15 ppb	20 ppb
Silver	1.0 ppm	1.6 ppm
Lead	180 ppm	250 ppm
Copper	60 ppm	80 ppm
Zinc	150 ppm	185 ppm
Arsenic	30 ppm	50 ppm
Tungsten	5 ppm	7 ppm
Manganese	1000 ppm	1400 ppm

From the distribution of the anomalous gold and silver values on figure 2 it is evident that the north-northwest trending anomalies that were outlined by previous surveys continue to the north.

C. CONCLUSIONS

Soil sampling to date on the BON property develops distinct silver-gold and pathfinder anomalies.

The anomaly at 31+90N 0+90E to 1+10E corresponds to quartz-sulphide mineralization that in previous rock chip sampling developed silver values to 32 oz/ton and gold values to 0.20 oz/ton.

The residual nature of the soils in this area suggests shallow overburden and the potential of further testing by trenching.

APPENDIX I
GEOCHEMICAL ANALYSES

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: SOIL/SILT P3-PAN CONC P4-ROCK AUS ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: OCT 20 1986 DATE REPORT MAILED: *Oct 28/86* ASSAYER: *D. J. ...* DEAN TOYE. CERTIFIED B.C. ASSAYER.

DURFELD GEOLOGICAL FILE # 86-3290

PAGE 1

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	M	Au
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	
33+40N 0+00E	2	30	54	79	.5	17	8	389	6.46	11	5	ND	3	5	1	2	2	37	.03	.125	18	15	.18	25	.02	5	.87	.01	.02	1	6
33+40N 0+10E	1	26	43	59	.4	10	5	311	4.02	5	5	ND	4	4	1	2	2	28	.02	.056	21	9	.09	24	.02	3	.73	.01	.02	1	2
33+40N 0+20E	2	22	53	51	.8	15	6	222	4.80	3	5	ND	2	4	1	2	2	33	.01	.060	17	15	.14	25	.02	4	.83	.01	.02	1	3
33+40N 0+30E	2	85	33	119	.5	13	18	841	11.17	7	5	ND	3	4	1	2	2	40	.02	.204	6	8	.21	44	.01	2	.77	.02	.02	1	3
33+40N 0+40E	1	30	102	152	.4	16	11	1227	10.75	15	5	ND	3	4	1	2	2	34	.02	.172	12	14	.17	89	.01	2	.98	.02	.03	1	4
33+40N 0+50E	1	42	55	98	.5	21	14	1359	8.35	10	5	ND	3	5	1	2	2	35	.03	.101	15	22	.26	43	.02	2	1.25	.02	.03	1	1
33+40N 0+60E	1	83	36	71	.3	12	9	379	7.05	13	5	ND	4	4	1	2	2	36	.03	.087	20	6	.09	39	.01	5	.74	.01	.02	1	1
33+40N 0+70E	1	50	53	80	.4	14	10	803	7.42	25	5	ND	3	4	1	2	2	26	.02	.099	17	9	.10	29	.01	3	.81	.01	.02	1	1
33+40N 0+80E	1	26	35	54	.4	16	10	744	5.46	8	5	ND	4	4	1	2	2	28	.01	.090	20	10	.11	24	.01	3	.82	.01	.02	1	58
33+40N 0+90E	1	36	17	88	.1	29	16	1438	6.20	22	5	ND	5	3	1	2	2	15	.01	.074	21	2	.04	29	.01	5	.18	.01	.03	1	4
33+40N 1+00E	1	14	7	59	.2	26	8	368	4.25	5	5	ND	6	3	1	2	2	10	.01	.044	28	5	.04	18	.01	3	.82	.01	.03	1	57
33+40N 1+10E	1	24	47	63	.4	13	7	362	4.55	9	5	ND	3	5	1	2	2	30	.03	.093	24	10	.15	25	.01	5	.87	.01	.02	1	13
33+40N 1+20E	1	17	59	39	.3	10	5	301	6.29	10	5	ND	3	4	1	2	2	45	.03	.152	17	11	.12	20	.01	4	.81	.01	.02	2	4
33+40N 1+30E	1	15	28	49	.3	13	9	418	5.06	5	5	ND	3	5	1	2	2	27	.03	.096	19	14	.17	35	.01	4	.96	.01	.03	1	3
33+40N 1+40E	2	35	72	68	.4	17	10	1256	7.75	8	5	ND	3	5	1	2	2	36	.04	.150	17	18	.23	34	.01	3	1.00	.02	.02	1	10
33+40N 1+50E	1	41	102	112	1.2	18	11	1030	7.36	13	5	ND	3	7	1	2	2	31	.10	.174	13	19	.22	43	.01	4	1.02	.02	.04	1	6
33+40N 1+60E	1	33	191	123	.8	20	11	1088	9.98	16	5	ND	4	5	1	2	2	34	.04	.148	16	22	.23	26	.02	2	1.22	.02	.02	2	3
33+40N 1+70E	1	34	171	132	.7	16	9	596	9.10	12	5	ND	4	6	1	2	2	35	.03	.109	12	22	.18	31	.02	2	1.38	.02	.02	1	2
33+40N 1+80E	1	25	32	66	.3	16	8	175	4.58	9	5	ND	5	7	1	2	2	24	.04	.066	22	11	.23	29	.01	4	.91	.01	.03	1	18
33+40N 1+90E	1	30	123	104	1.1	18	9	336	7.16	12	5	ND	6	6	1	2	2	27	.03	.048	19	20	.22	36	.01	5	1.47	.02	.03	2	3
33+40N 2+00E	1	28	74	159	.6	17	8	369	7.24	11	5	ND	5	5	1	2	2	33	.03	.045	21	19	.21	30	.01	5	1.36	.02	.03	1	13
33+40N 2+10E	1	37	120	132	.7	21	10	384	6.17	12	5	ND	5	9	1	2	2	24	.09	.060	22	14	.25	50	.01	4	1.04	.02	.04	1	1
33+40N 2+20E	1	28	183	97	.7	18	8	206	5.22	12	5	ND	5	6	1	2	2	26	.03	.056	19	18	.26	35	.01	5	1.62	.01	.02	1	10
33+40N 2+30E	1	34	294	176	.4	24	12	345	5.93	20	5	ND	5	18	1	2	2	25	.21	.065	20	20	.29	40	.01	5	1.36	.02	.03	1	24
STD C/AU-S	21	59	39	131	7.0	67	27	993	3.96	37	18	7	35	48	17	15	21	63	.48	.098	36	53	.88	181	.08	35	1.73	.08	.13	12	52

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	Hg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	M PPM	AuI PPB
33+40N 2+40E	1	60	64	94	.4	10	16	1023	7.44	5	5	ND	3	8	1	2	2	103	.08	.096	13	9	.35	43	.01	2	1.42	.02	.02	2	9
33+40N 2+50E	2	89	146	124	1.3	28	20	2362	5.93	12	5	ND	3	41	1	2	2	50	.63	.106	15	13	.41	66	.01	2	1.57	.03	.03	2	7
33+40N 2+60E	2	56	335	164	1.8	24	18	1958	5.38	14	5	ND	3	61	1	2	2	28	1.01	.110	10	13	.29	65	.01	3	1.32	.03	.03	1	9
33+40N 2+70E	1	33	154	83	.7	20	10	254	5.86	18	5	ND	3	62	1	2	2	24	1.12	.068	13	14	.16	40	.01	2	1.17	.03	.02	1	1
33+40N 2+80E	4	41	108	128	1.1	31	18	453	7.06	27	5	ND	6	45	1	2	2	19	.79	.064	14	12	.13	40	.01	2	1.19	.03	.02	1	7
33+40N 2+90E	1	25	58	72	1.1	19	7	132	4.13	10	5	ND	3	47	1	2	2	21	.83	.063	14	12	.16	41	.01	2	.94	.02	.02	2	6
33+40N 3+00E	1	36	69	76	.6	25	10	211	5.81	12	5	ND	5	8	1	2	2	20	.05	.058	16	17	.26	32	.01	2	1.07	.01	.03	1	4
33+40N 3+10E	1	21	27	39	.5	13	5	108	4.15	11	5	ND	4	6	1	5	2	28	.04	.034	18	10	.11	21	.01	2	.83	.01	.02	3	67
33+40N 3+20E	1	38	38	79	.5	36	10	219	5.90	10	5	ND	7	4	1	3	2	22	.02	.052	23	21	.36	31	.01	2	1.15	.01	.03	4	7
33+40N 3+30E	1	25	9	47	.3	22	8	209	3.18	12	5	ND	3	5	1	2	3	27	.10	.054	22	8	.05	20	.01	4	.30	.01	.03	4	42
33+40N 3+40E	1	25	33	47	.3	17	7	533	3.65	10	5	ND	3	4	1	6	3	24	.02	.076	20	14	.11	26	.01	2	.68	.01	.02	4	9
33+40N 3+50E	1	53	35	77	.5	31	13	298	6.18	18	5	ND	7	4	1	7	2	17	.02	.133	29	13	.21	20	.01	2	.87	.01	.02	2	17
STD C/AU-S	20	60	39	134	6.9	68	28	1017	3.96	38	18	8	35	49	18	15	18	64	.48	.102	36	59	.88	184	.08	39	1.73	.08	.13	12	50

APPENDIX II

ITEMIZED COST STATEMENT

Personnel

Geologist - R.M. Durfeld	
- 1 day @ \$250/day	\$ 250.00
Assistant - D.F. Dunlop	
- 1 day @ \$125/day	125.00

Transportation

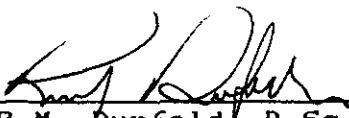
Truck rental - 1 day @ \$50/day	50.00
Truck fuel - at cost	60.00

<u>Board</u> - 2 man days @ \$30/day	60.00
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<u>Geochemical Analyses</u>	355.00
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<u>Report Preparation</u>	<u>200.00</u>
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Total	\$ 1,100.00
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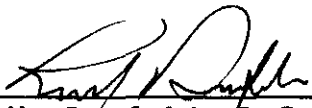

R.M. Durfeld B.Sc.
Geologist

APPENDIX III

STATEMENT OF QUALIFICATIONS

I Rudolf M. Durfeld, do hereby certify :

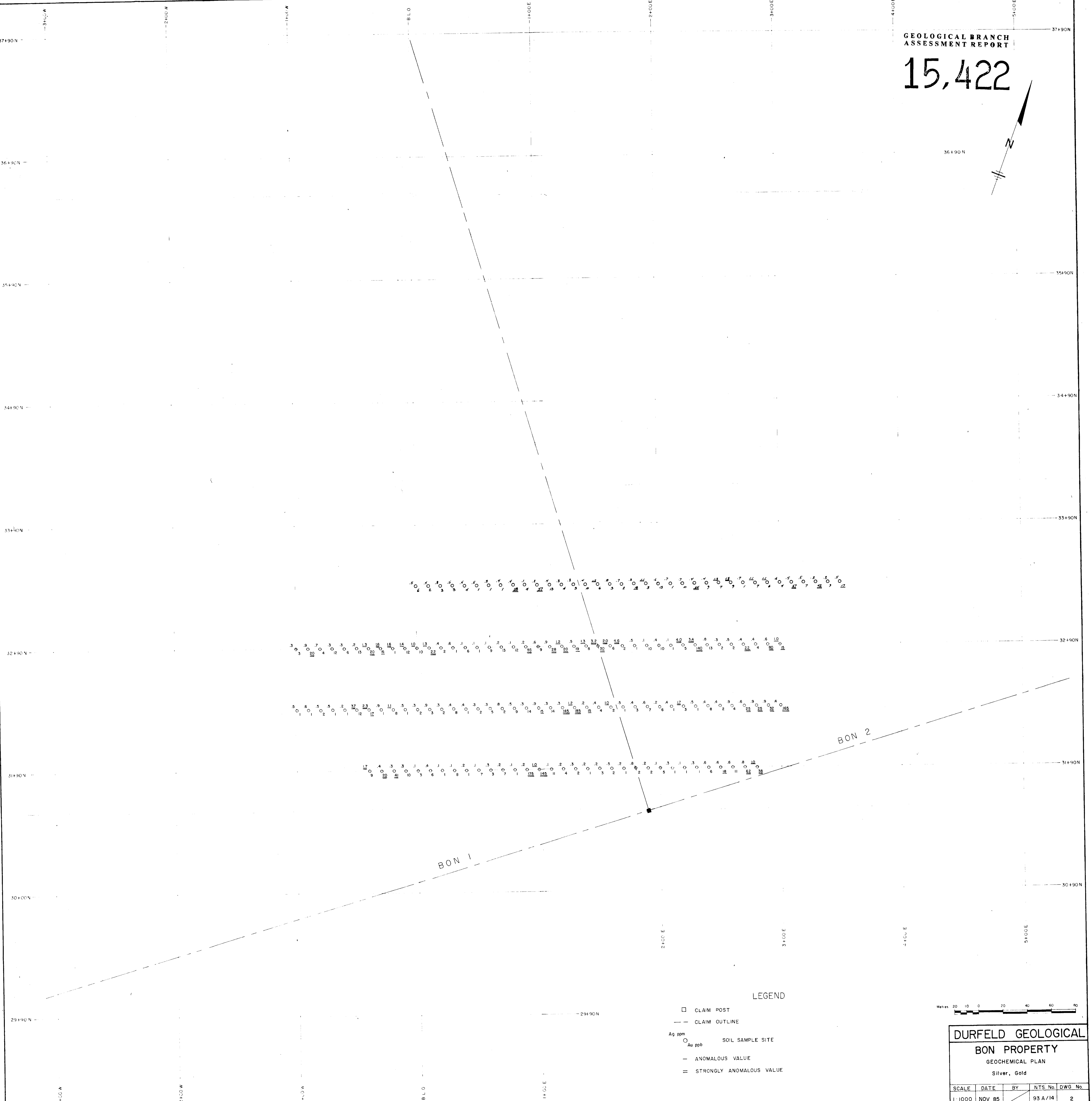
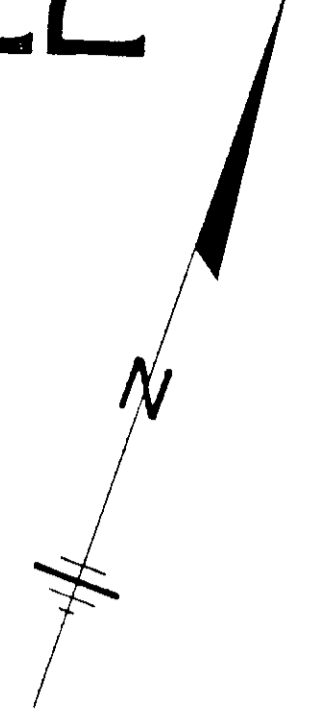
- 1.) That I am a geologist with offices at 180 Yorston Street, Williams Lake, B.C.
- 2.) That I am a graduate of the University of British Columbia, B.Sc. Geology 1972, and have practiced my profession with various mining and/or exploration companies and as an independant geological consultant since graduation.
- 3.) That I am a Fellow of the Geological Association of Canda (Member No: F3025), and am a member of the British Columbia and Yukon Chamber of Mines and the Canadian Institute of Mining and Metallurgy.
- 4.) That this report is based on soil sampling that was conducted on the BON mineral claim group on September 16, 1986.



R.M. Durfeld, B.Sc.
Geologist

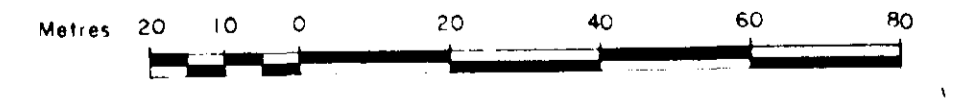
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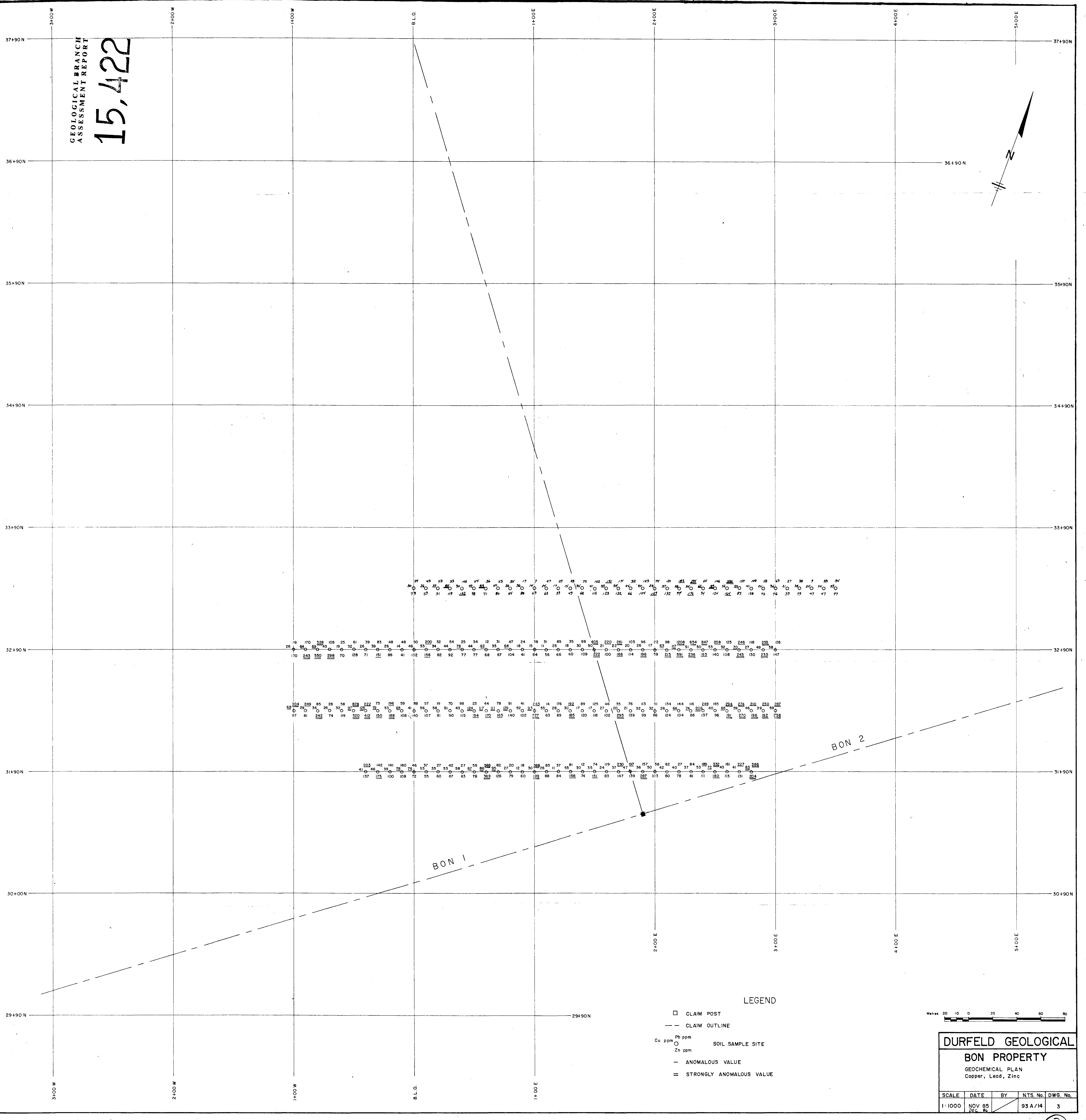
LEGEND

- CLAIM POST
- - - CLAIM OUTLINE
- SOIL SAMPLE SITE
- Ag ppm
- Au ppb
- ANOMALOUS VALUE
- = STRONGLY ANOMALOUS VALUE



DURFELD GEOLOGICAL				
BON PROPERTY				
GEOCHEMICAL PLAN				
Silver, Gold				
SCALE	DATE	BY	NTS No.	DWG No.
1:1000	NOV 85 DEC 86		93 A/14	2

GEOLOGICAL BRANCH
ASSESSMENT REPORT
15,422



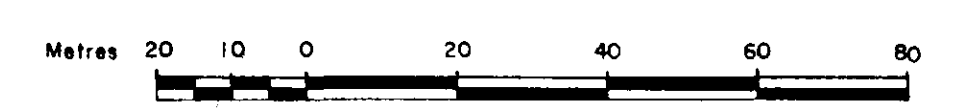
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120 119 118 117 116 115 114 113 112 111 110 109 108 107 106 105 104 103 102 101 100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

130 129 128 127 126 125 124 123 122 121 120 119 118 117 116 115 114 113 112 111 110 109 108 107 106 105 104 103 102 101 100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

140 139 138 137 136 135 134 133 132 131 130 129 128 127 126 125 124 123 122 121 120 119 118 117 116 115 114 113 112 111 110 109 108 107 106 105 104 103 102 101 100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

- LEGEND**
- CLAIM POST
 - - - CLAIM OUTLINE
 - SOIL SAMPLE SITE
 - Cu ppm
 - Pb ppm
 - Zn ppm
 - ANOMALOUS VALUE
 - = STRONGLY ANOMALOUS VALUE



DURFELD GEOLOGICAL
BON PROPERTY
GEOCHEMICAL PLAN
Copper, Lead, Zinc

SCALE	DATE	BY	NTS. No.	DWG. No.
1:1000	NOV 85	26c	93 A/14	3

