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**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,946

GEOCHEMICAL REPORT

ON

THE DJV 1 to 5 CLAIMS

BETTER RESOURCES LIMITED

NANAIMO MINING DIVISION

LAT 49°46'N

LONG 125°18'40"W

NTS 92F/14W

BY

JAMES F. BRISTOW, P. Eng.

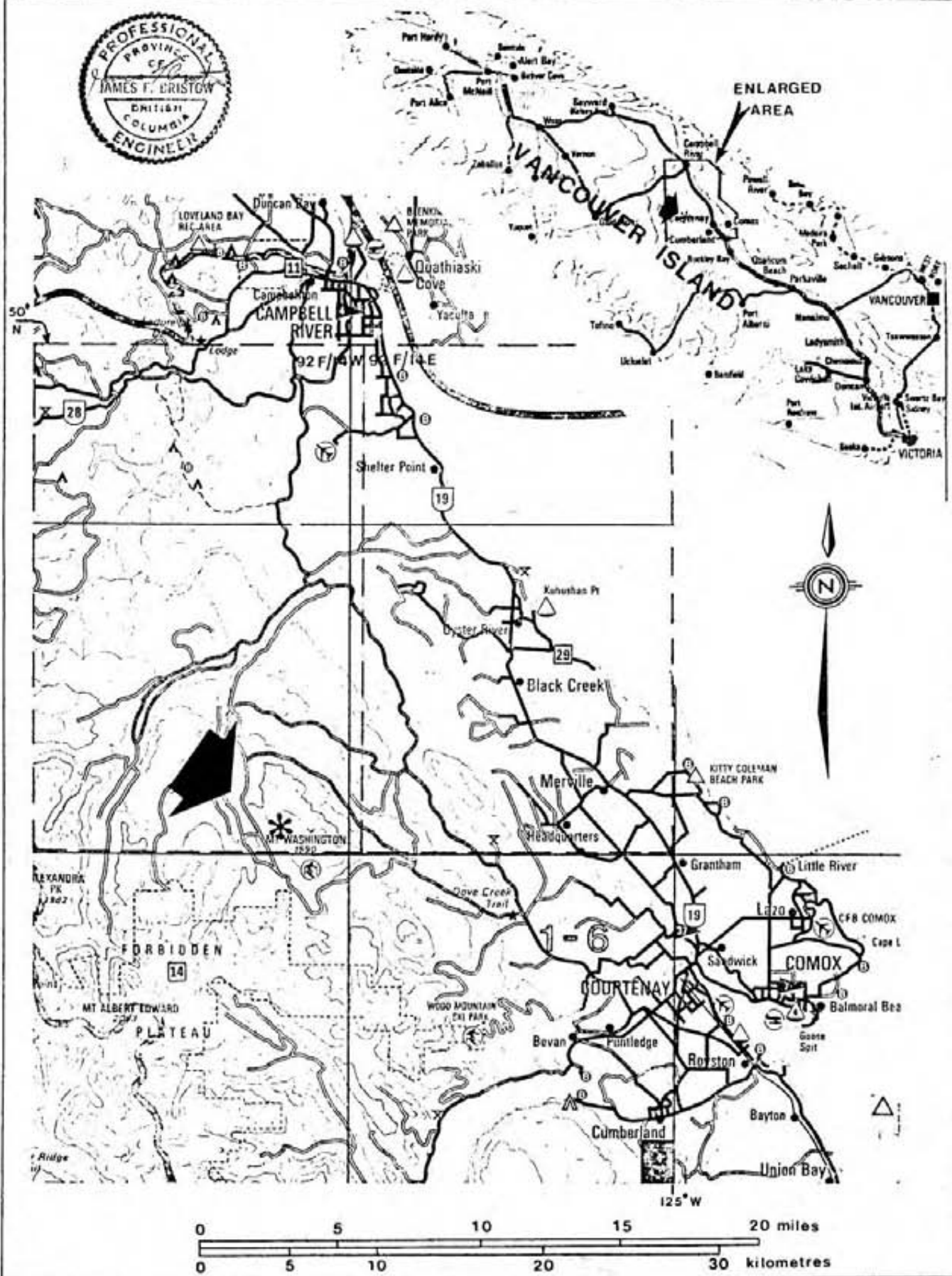
ROLF SCHMITT, B. Sc.

OCTOBER 1, 1983

A GEOCHEMICAL REPORT ON THE DJV 1 to 5 MINERAL CLAIMS

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DJV GROUP
NANAIMO M.D.

BETTER RESOURCES LIMITED
MT. WASHINGTON PROJECT
GENERAL LOCATION MAP

Scale-1:316800
10/83 HRS
Figure 1

James F. Bristow P. Eng.

SUMMARY AND CONCLUSIONS

A geochemical survey was conducted on the DJV 1 to 5 Mineral Claims situated on Mt. Washington, 25 kilometres northwest of Courtenay, Vancouver Island. The contiguous mineral claims cover approximately 125 hectares and are held under option by Better Resources Limited from H. Veerman and W. G. Botel, of Vancouver, B. C.

Two hundred and four soil samples were collected along pre-established flagged chain and compass lines. Soil samples were analyzed for gold and arsenic and plotted at a scale of 1:2400. A northerly trending zone shows anomalous gold and arsenic values ranging up to 6265 ppb and 9100 ppm respectively. Anomalous values suggest the possibility of near-surface disseminated and/or vein type mineralization in underlying rocks.

RECOMMENDATIONS

Highly anomalous gold and arsenic values in soils on the DJV 1 to 5 Mineral Claims will require further work to determine whether they reflect economic mineralization at depth. The authors recommend a progressive and vigorous program consisting of geological mapping, detailed soil geochemistry and physical work such as trenching and diamond drilling to evaluate the economic gold potential of the property.



INTRODUCTION

LOCATION, ACCESS AND FACILITIES

The DJV group of mineral claims are located at $49^{\circ}46'N$ latitude and $125^{\circ}18'40''W$ longitude 25 kilometres northwest of Courtenay, in the Nanaimo Mining Division. The claims are situated between 1188 and 1400 metres elevation on the northwest slope of Mt. Washington (Figure 1).

Access from Courtenay is available by two-wheel drive vehicle along a total of 28 kilometres of well-maintained paved and gravel roads to the former Mt. Washington Copper minesite. From there, a four-wheel drive vehicle is necessary to access the final 0.75 kilometres to the property. Access is generally available from June through October depending on yearly snowfall and road maintenance.

Water for exploratory drilling is available from several small year-round ponds on the property. Electric power serving the Mt. Washington ski hill is located 2 kilometres to the south. Accomodation is available during the summer in well-appointed apartments at Mt. Washington ski hill, or year round in Courtenay.

PHYSIOGRAPHY AND CLIMATE

Mt. Washington is located along the eastern margin of the northwest trending Vancouver Island Ranges in the Interior Belt. The landscape is characterized by moderate to precipitous topography mantled by a thick mixed coniferous forest of hemlock, red and yellow cedar, douglas fir and balsam fir. Subalpine forest is developed above 1500 metres elevation. Evidence of recent glaciation is noted by cirque development and a thin but pervasive glacial till complex.

October to May is generally cool and wet. Snowfall can exceed 500 cm during winter months and persist until late July. June through September are drier with temperatures ranging from freezing to greater than $25^{\circ}C$.

DJV Mineral Claims are located on a moderate sloping forested hillside. Unforested grass-covered meadows occur where groundwater saturates organic rich clayey soil. Bedrock exposures are found over less than 5% of the property.

PROPERTY DESCRIPTION

The DJV Claim Group is held under option by Better Resources Limited from H. Veerman and W. G. Botel of Vancouver, B.C. This claim group consists of the following contiguous claims as shown on Figure 2:

CLAIM NAME	UNITS	RECORD DATE	RECORD NO.
DJV 1	1	1 October 1982	1261
DJV 2	1	"	1262
DJV 3	1	"	1263
DJV 4	1	"	1264
DJV 5	1	"	1265

These two-post claims were located by compass and chain to cover ground previously held by Mt. Washington Copper Co. Ltd.

SUMMARY OF WORK DONE

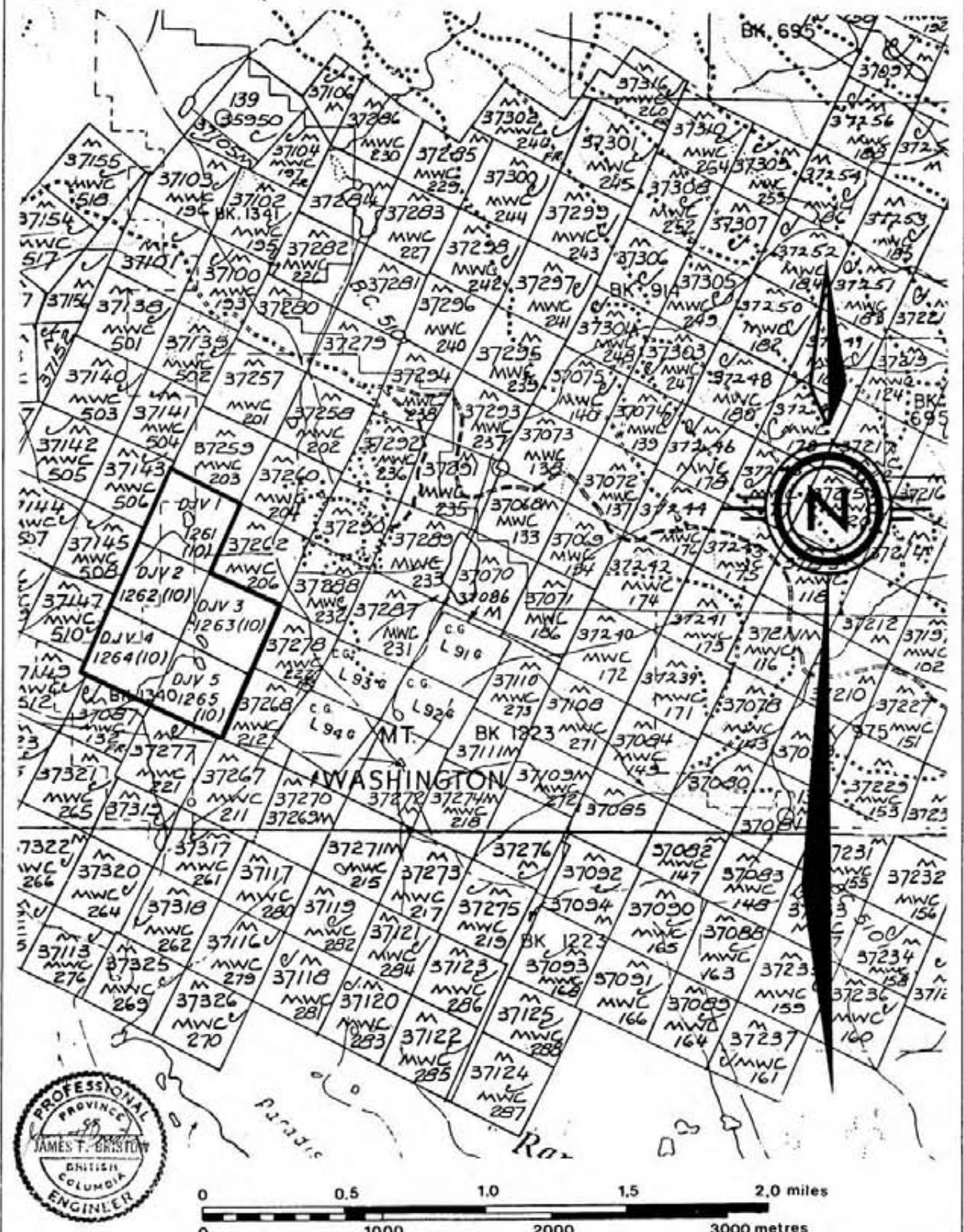
The survey control established in order to conduct the soil sampling program described in this report was designated the West Grid. This grid is located on the boundary between the Gold and DJV Claim Groups. Approximately 64 percent of the West Grid lies on the DJV Claim Group.

The current program consisted of:

- | | |
|--|---------|
| 1) Grid Establishment
(flagged compass line) | 11.2 km |
| 2) Soil Samples Collected | 325 |
| 3) Sample sites found to be
unsuitable for sampling | 43 |



92 F/14 W



Drawn by HRS
Date: Oct. 1983

BETTER RESOURCES LIMITED
DJV Claim Group
Claim Map

Scale-1:31680
Nanaimo M.D.
Figure 2

James F. Bristow P. Eng.

DETAILED TECHNICAL DATA AND INTERPRETATION

GEOCHEMICAL SETTING

Soil found on the DJV Claims has been derived from a combination of mechanical and chemical breakdown of Cretaceous Nanaimo Group Sedimentary rocks and possibly volcanoclastic and intrusive rocks of unknown age. Mechanical transport of soil by erosion and glacial action, and chemical transport of metal ions by groundwater necessitates caution when interpreting Geochemical results. Down slope dispersion of metal ions has further complicated the geochemical setting.

Soils encountered on the claims fall into the Podzolic and Gleysolic Orders. Ferro-Humic Podzols up to 1 metre thick are developed over glacial till, but commonly thin to several centimetres over bedrock. A blackish brown to grey brown A horizon typically overlies a friable medium brown to orange brown B horizon. Soils are wet to moist most of the year. Humic Gleysols are associated with unforested saturated grassy meadows over parts of the property. They are grey brown in colour, appear to exceed 1 metre thickness in places and occur preferentially in areas of shallow slopes. Profile development was not examined in detail.

A geochemical orientation survey was conducted in order to select the B horizon depth which most accurately reflects concentrations of gold and arsenic. Three sites were sampled: one where anomalous gold and arsenic were previously known and two sites elsewhere within the proposed grid area. Samples were collected from the top and bottom of the B horizon where it was thick enough to permit differentiation and in one case the C horizon. The three different size fractions analyzed for both gold and arsenic were: -80, +20, and -20/+80. Gold was determined by fire assay and atomic absorption with prior pulverisation of +80 and +20 fractions. Arsenic was determined by hot acid extraction, colorimetric and atomic absorption. Analyses were conducted by Kamloops Research and Assay Laboratory Ltd. Results are tabled below:

<u>SAMPLE NO.</u>	<u>APPROXIMATE LOCATION</u>	<u>HORIZON</u>	<u>SCREEN SIZE</u>	<u>Au (ppb)</u>	<u>As (ppm)</u>
1	16S 22W	B Top	-80	725	1950
			+80,-20	450	1755
			+20	1820	2340
		B Bottom	-80	1030	1950
			+80,-20	500	1510
			+20	450	1705
		C	-80	795	2490
			+80,-20	650	2390
			+20	473	1900
2	16S 27W	B Top	-80	165	1170
			+80,-20	105	1270
			+20	25	435
		B Bottom	-80	165	1415
			+80,-20	150	1070
			+20	180	390
3	24S 24W	B Top	-80	50	17800
			+80,-20	15	19300
			+20	75	15900
		B Bottom	-80	170	16400
			+80,-20	120	16300
			+20	110	16100

It was concluded that the -80 mesh fraction was most suitable for gold. A marginal increase of B bottom values over B top values was noted but because the horizon can often not be subdivided it was concluded that samples should be taken which represented the entire B horizon. Arsenic values were highest in -80 mesh fractions but showed very little variation throughout the horizons sampled.



PURPOSE OF SURVEY

Two hundred and eight samples were collected over an area known as the West Grid on the DJV Mineral Claims. The purpose of the survey was to delineate zones anomalous in gold and arsenic that might reflect underlying economic mineralization. Samples were analyzed for arsenic because in some geological environments it is a mobile pathfinder for gold mineralization. Anomalous areas would provide the focus for subsequent exploration activity such as trenching and diamond drilling.

GRID PREPARATION

The West Grid was established by chain and compass, and flagged for soil sampling survey control. Lines average 488 metres long, 38 metres apart and trend 065° azimuth. Sample site locations were established on average at 30 metre intervals, except for L16S where a 15 metre interval was used. West Grid sample locations are contained in Appendix A. Sixty-four percent of the grid (208 samples, 7.2 km line) cover the DJV Claim Group.

GEOCHEMICAL RESULTS

The -80 mesh fraction of the soil samples were analyzed for gold and arsenic content by Kamloops Research and Assay Laboratory. Gold was analyzed by atomic absorption and fire assay; arsenic by aqua regia digestion followed by colorimetric and atomic absorption with background corrections. Results are presented in Appendices B and C. Values for gold range from less than 5 ppb to 6265 ppb. The majority of samples exceed 100 ppb. Arsenic values range from 20 ppm to 9100 ppm. A significant number of samples exceed 1000 ppm.

INTERPRETATION OF RESULTS

The soil sampling survey conducted over the DJV claims has outlined a broad northerly trending zone anomalous in both gold and arsenic. Gold values range up to 6265 ppb, while arsenic values cover a broader area than gold perhaps owing to the element's greater mobility in soil. Greater continuity and definition of gold anomalies might be achieved by increasing the density of soil sample sites such as in the area bounded by 16 to 24 W and 14 to 18 S.

INTERPRETATION OF RESULTS, cont'd

Gold anomalies suggest the possibility of potentially economic grade mineralization in underlying bedrock and should be investigated by further physical work to ascertain the source of gold. Arsenic anomalies possibly reflect a broad zone of disseminated or vein-type arsenopyrite mineralization. Where arsenic exceeds several thousand ppm, vegetation appears stressed and less dense.

COST STATEMENT

DJV GROUP

WEST GRID (64% of work conducted on DJV Group)
Grid establishment & Soil Sampling

Supervision

James F. Bristow, P. Eng. 2 days @ \$250/day	Aug. 9, 10/83	\$500.00
Mark Hiltz 5 days @ \$75/day	Aug. 7, 9-11, 18/83	375.00
Robin Bristow 6 days @ \$75/day	Aug. 6, 7, 9-11, 18/83	450.00
Jason Ogilvie 4 days @ \$75/day	Sept. 10, 11, 20, 21/83	300.00
Barry Needham 4 days @ \$90/day	Sept. 10, 11, 20, 21/83	360.00
Transportation 10 days @ \$40/day		400.00
Camp Costs 21 days @ \$25/day		525.00
Assaying Costs (soil samples analyzed for Gold & Arsenic) 204 samples @ \$8.60/sample		1,754.00
Report Preparation (including drafting & typing) James F. Bristow, P. Eng. & Rolf Schmitt, B. Sc.		750.00

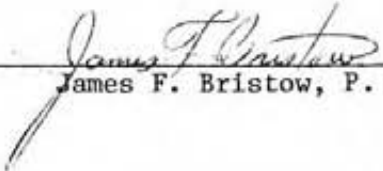
TOTAL \$5,414.00

As all results obtained from the Geochemical soil survey have been submitted it is felt that the major portion of the above total expense is eligible for assessment work credits.

Therefore:

Anticipated Total Allowable Expense	\$5,300.00
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CERTIFIED CORRECT

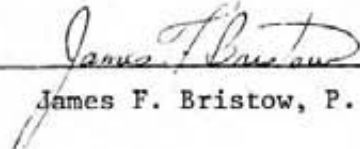

James F. Bristow, P. Eng.

QUALIFICATIONS & CERTIFICATION

I, JAMES F. BRISTOW, of 1840 Penshurst Road in the Municipality of Saanich, Province of British Columbia, hereby certify as follows:

1. I am a graduate of the University of British Columbia with a B.A. Degree (Geology and Physics).
2. I am a Professional Engineer registered in the Province of British Columbia.
3. I am a member of the Canadian Institute of Mining and Metallurgy, The Association of Exploration Geochemists and the Associated Scientific and Technical Societies of South Africa.
4. I have actively practised my profession in mineral exploration and mining geology since my graduation in 1957.
5. That this report is based on data either gathered by myself or by persons working under my direct supervision.
6. That I am a director of Better Resources Limited and hold a direct interest in securities of this company.

DATED at Victoria, British Columbia, this 31st day of October, 1983.


James F. Bristow, P. Eng.

QUALIFICATIONS & CERTIFICATION

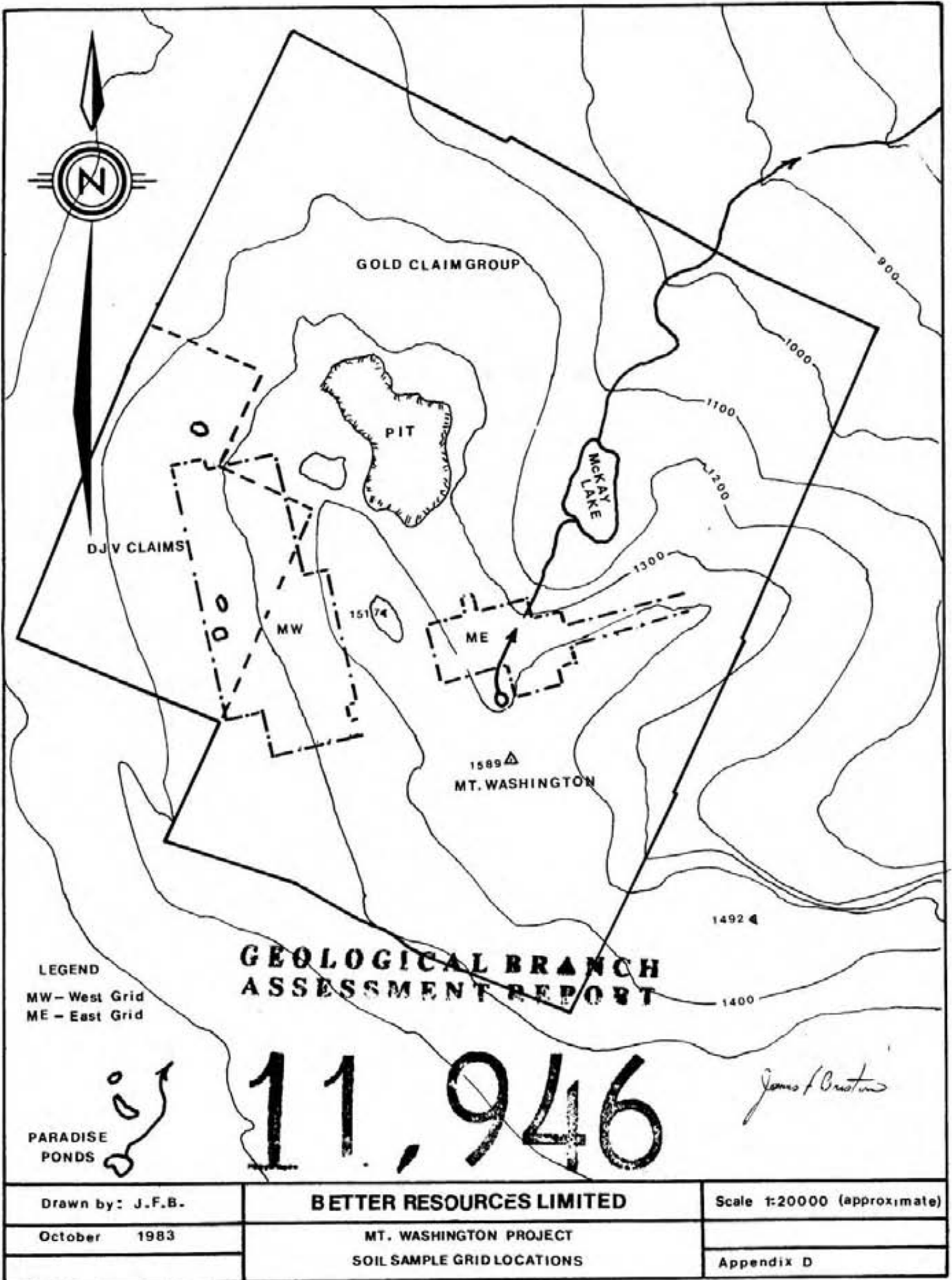
I, H. ROLF SCHMITT, of 2870 Dysart Road in the Municipality of Saanich, Province of British Columbia, hereby certify as follows:

1. I am a graduate of the University of British Columbia with a B. Sc Degree (Honours Geology) 1977.
2. I am presently completing the M. Sc. Degree requirements in Regional Planning at the University of British Columbia.
3. I have actively practised my profession in mineral exploration and mineral land use evaluation almost continuously since my graduation in 1977.
4. That I am personally familiar with the property discussed in this report.
5. I do not have any monetary interest in Better Resources Limited.

DATED at Victoria, British Columbia, this day of
October, 1983.



Rolf Schmitt, B. Sc.



LEGEND

MW - West Grid
 ME - East Grid

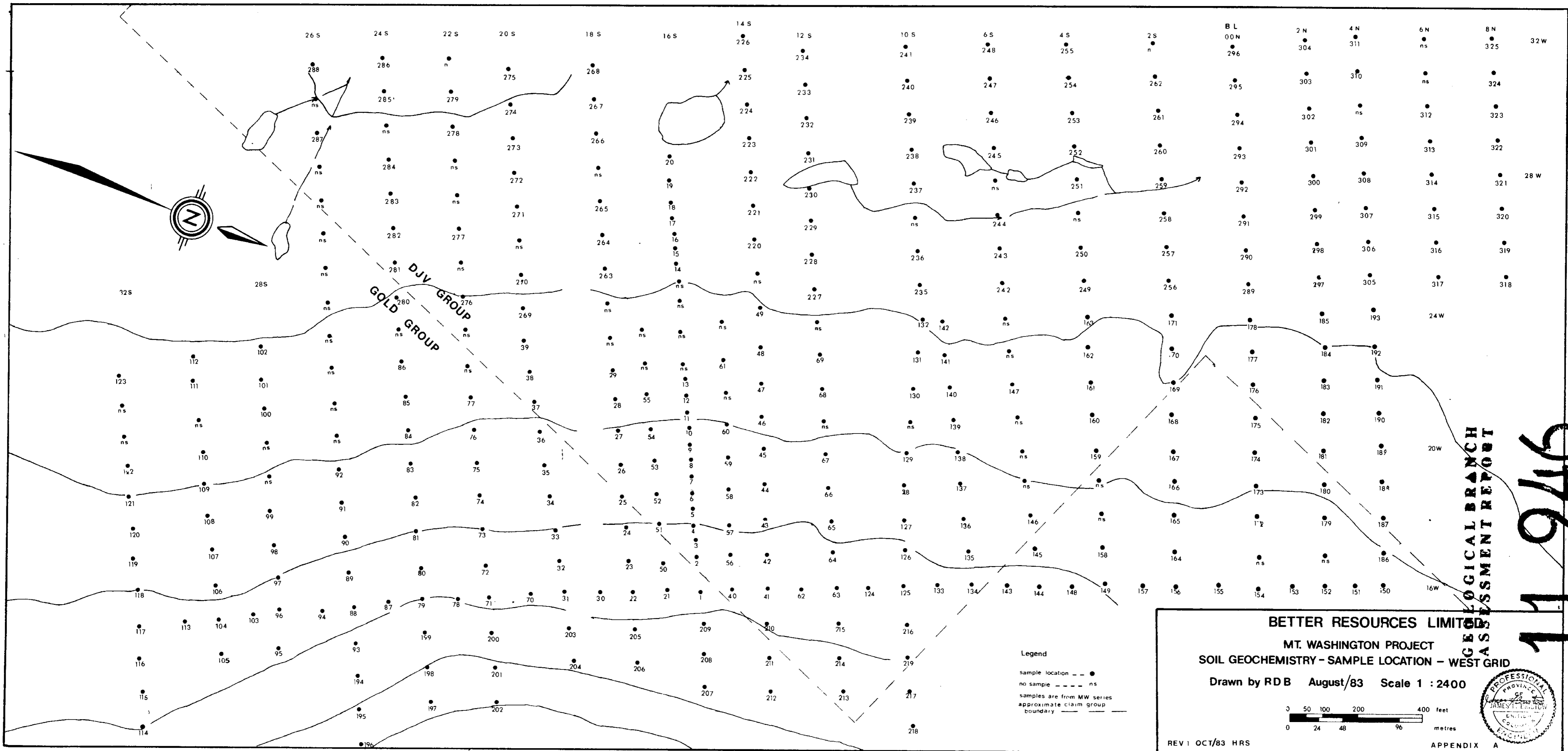
PARADISE
 PONDS

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

11, 946

James F. Bristow

Drawn by: J.F.B.	BETTER RESOURCES LIMITED	Scale 1:20000 (approximate)
October 1983	MT. WASHINGTON PROJECT	
	SOIL SAMPLE GRID LOCATIONS	Appendix D



Legend
 sample location - ●
 no sample - ns
 samples are from MW series
 approximate claim group
 boundary - - - - -

BETTER RESOURCES LIMITED
MT. WASHINGTON PROJECT
SOIL GEOCHEMISTRY - SAMPLE LOCATION - WEST GRID

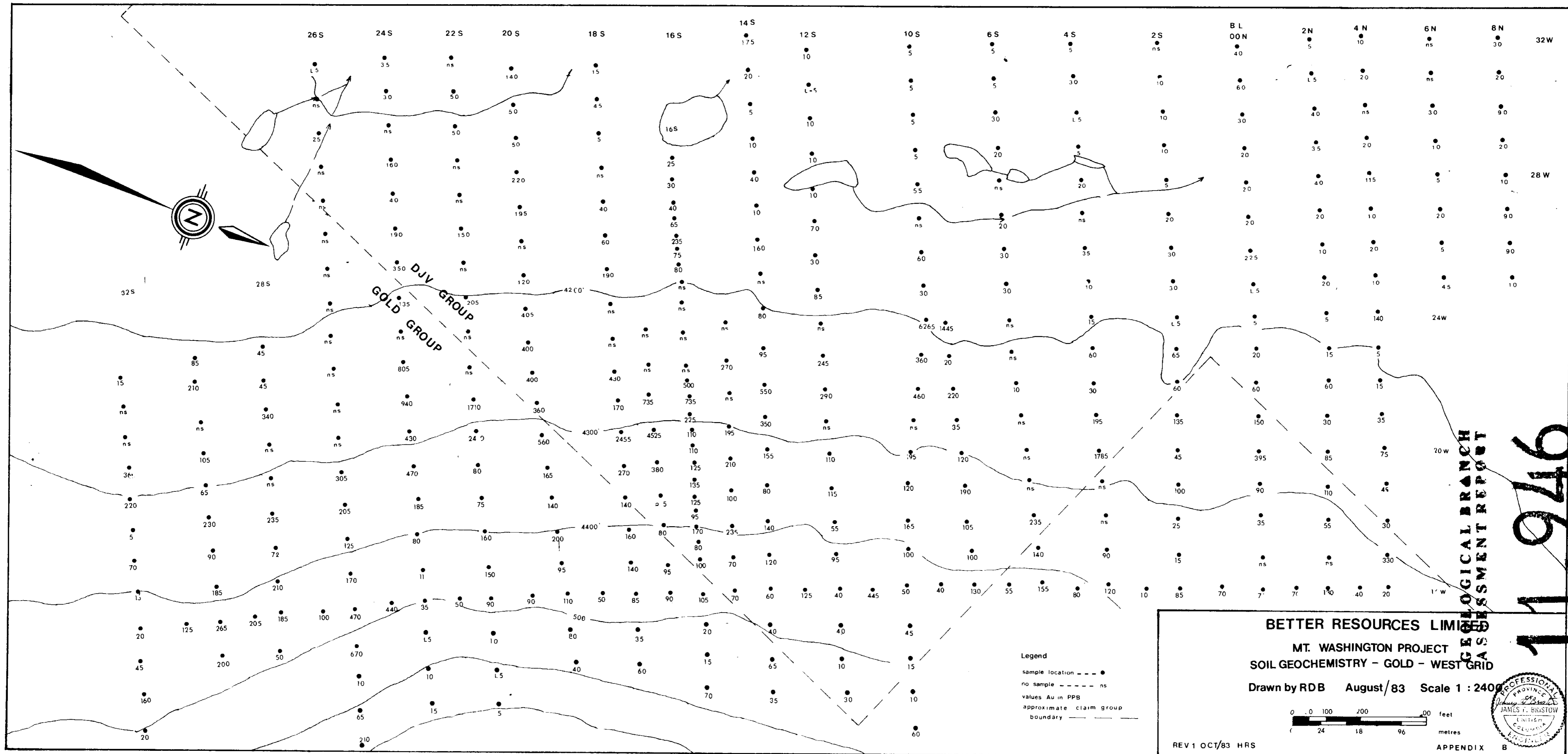
Drawn by RDB August/83 Scale 1 : 2400

REV 1 OCT/83 HRS

APPENDIX A

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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BETTER RESOURCES LIMITED
MT. WASHINGTON PROJECT
SOIL GEOCHEMISTRY - GOLD - WEST GRID

Drawn by RDB August/83 Scale 1 : 2400

0 100 200 300 feet
 0 24 18 96 metres

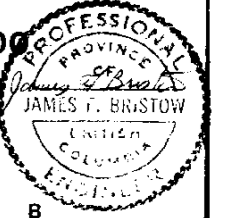
REV 1 OCT/83 HRS

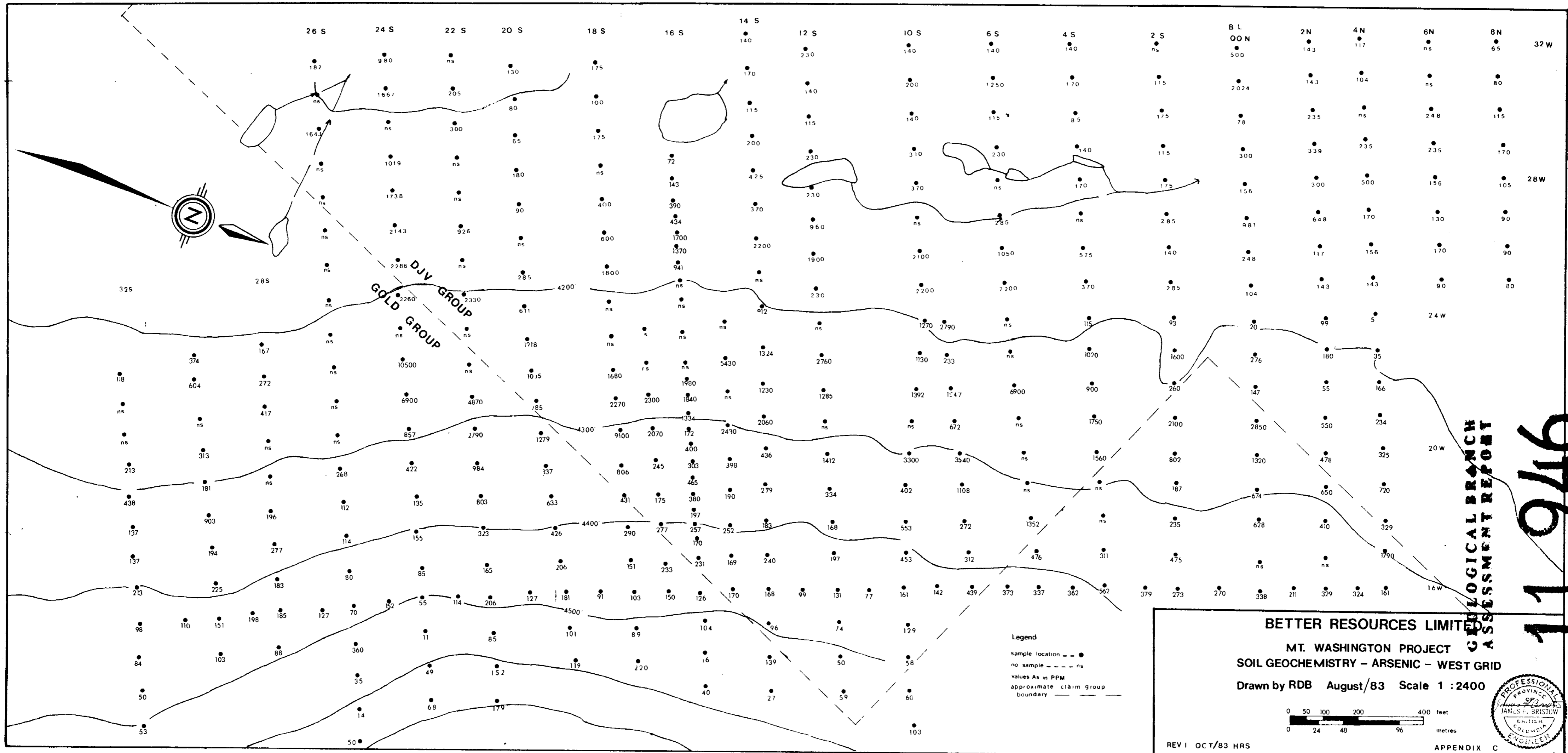
Legend

- sample location - ●
- no sample - ns
- values Au in PPB
- approximate claim group boundary - - - - -

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

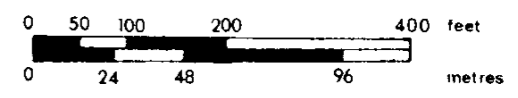
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Legend
 sample location — ● —
 no sample — ns —
 values As in PPM
 approximate claim group boundary — - - - -

BETTER RESOURCES LIMITED
MT. WASHINGTON PROJECT
SOIL GEOCHEMISTRY - ARSENIC - WEST GRID
 Drawn by RDB August/83 Scale 1 : 2400



REV I OCT/83 HRS

APPENDIX C

GEOLOGICAL BRANCH ASSESSMENT REPORT



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