

LOG NO: 0102	RD.
ACTION:	
FILE NO:	

ASSESSMENT REPORT
ON THE
SHORTS AND CHEWMI MINERAL CLAIMS

GREENWOOD MINING DIVISION

N1S 82E/8W AND 82E/9W

~~49° 28'~~ North latitude 49° 28' 30"
~~118° 23'~~ West longitude 118° 23' 50"

DAVID COFFIN

FILMED

DEC. 26 1989

SUB-RECORDER
RECEIVED
DEC 27 1989
M.R. # \$.....
VANCOUVER, B.C.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,504

TABLE OF CONTENT

	page #
1.1 INTRODUCTION.....	1
1.2 PROPERTY STATUS.....	1
1.3 LOCATION AND ACCESS.....	1
2.1 REGIONAL GEOLOGY AND MINERAL DEPOSITS.....	2
2.2 PROPERTY HISTORY.....	3
3.1 PROPERTY GEOLOGY.....	5
3.2 LITHOLOGIES.....	5
3.3 STRUCTURE.....	6
3.4 ROCK GEOCHEMISTRY.....	6
3.5 SILT SAMPLING.....	7
4.1 GRID EMPLACEMENT.....	8
4.2 MAGNETOMETER/VLF-EM SURVEYS.....	8
4.3 SOIL GEOCHEMISTRY.....	8
5.1 CONCLUSIONS AND RECOMMENDATIONS.....	10
5.2 BIBLIOGRAPHY.....	11
5.3 QUALIFICATIONS.....	12

APPENDIX A - GEOCHEMICAL RESULTS

APPENDIX B - COST BREAKDOWNS

FIGURES

Figure 1	LOCATION MAP.....	after pg 1
Figure 2	REGIONAL GEOLOGY.....	after pg 2
Figure 3	GEOLOGY AND SAMPLING.....	in pocket
Figure 4	MAGNETOMETER SURVEY.....	after pg 8
Figure 5	VLF DIP ANGLE PROFILES.....	after pg 8
Figure 6	SOIL GEOCHEMISTRY.....	after pg 9

1.1 INTRODUCTION

The following report deals with conduct and results of exploration programs conducted on the Shorts/Chewmi mineral claims (the Burrell property) during the periods Aug. 20 to 27 and Nov. 28 to Dec. 11 1989. The programs included 1:5,000 geological mapping and prospecting, rock and silt sampling, grid emplacement, magnetometer, VLF-EM and soil surveys. Recommendations for further work are included.

1.2 CLAIM STATUS

The property consists of two perimeter staked mineral claims, which have been grouped as the Burrell Group, located in the Greenwood Mining Division, on mineral title maps 82E/8W and 82E/9W.

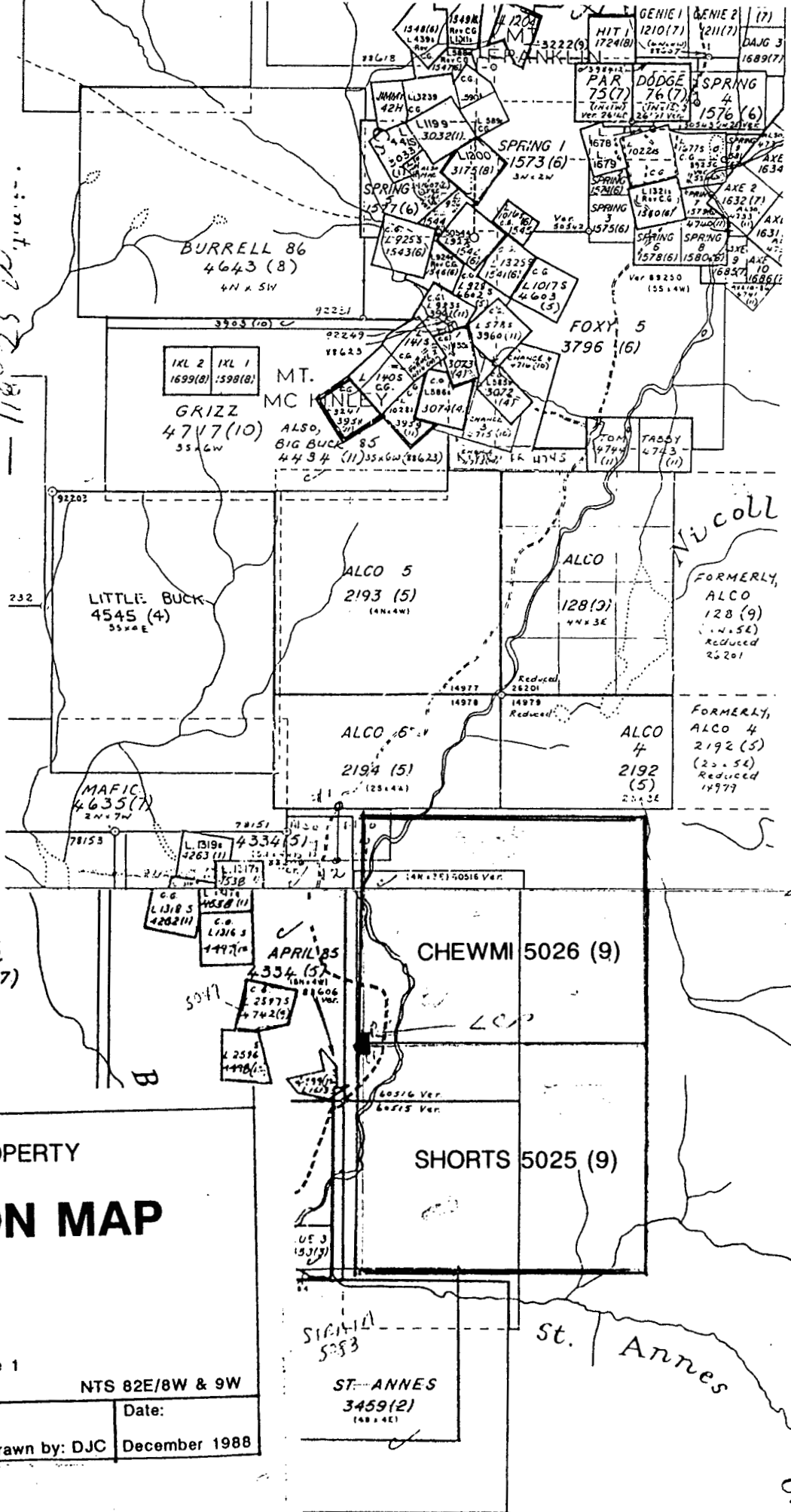
Name	Record No.	Units	Expiry Date	Owner
Shorts	5025	20	28/09/1989	S. Davies ¹
Chewmi	5026	20	28/09/1989	" "

1.3 LOCATION AND ACCESS

The property is located on Burrell Creek, 17 kilometers north of its confluence with the Granby River and 50 kilometers north of the town of Grand Forks, B.C. The property is reached from Grand Forks by following an all-weather road along the west side of Granby River for 46 km, crossing Burrell Creek just above its confluence with the Granby River, and following a fair-weather road that leads along the creek for a further 16 km. Fair weather roads traverse the southern half of the property. A fair weather road leads to the western side of the property.

¹ A one third interest accrues to Eric Coffin and David Coffin, for a collective total of two thirds

118° 25' W



BURRELL PROPERTY LOCATION MAP

figure 1

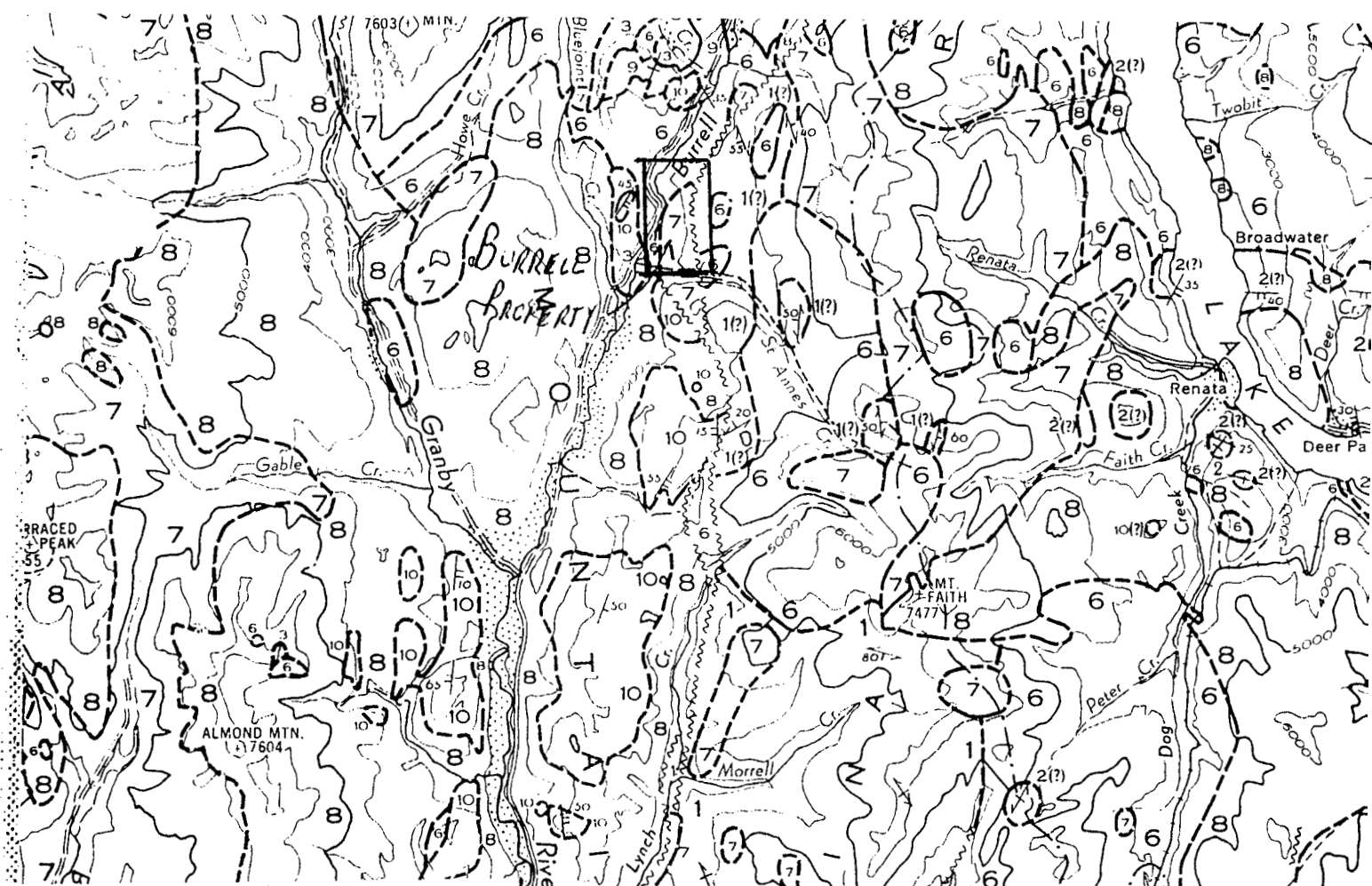
GREENWOOD M.D.		NTS 82E/8W & 9W
Compiled By: DJC		Date:
Revised:		December 1988
Drawn by: DJC		

2.1 REGIONAL GEOLOGY AND MINERAL DEPOSITS

The oldest rocks in the region are Proterozoic to Permian volcano-sedimentary formations, the youngest of which, the Anarchist group (Little, 1957), hosts a number of replacement type copper and precious metal deposits. Overlying the above formations is the Rosslund Group of Jurassic aged intermediate flows and fragmentals. All of these have been intruded by a series of Cretaceous and younger felsic rocks of the Interior Batholith. Overlying all of the above are generally felsic flows and minor sedimentary rocks of Paleocene or Eocene age, which are in turn overlain by late Tertiary basalt flows. Cutting all units except the late basalt are northerly trending coarse grained and porphyritic felsic dykes.

Ore deposits in the area have largely derived from the alteration of impure limestone of the Anarchist group to chalcopyrite-magnetite skarn during intrusion of the Batholith. The most notable of these are located in the Phoenix/Deadwood camp, 20 kilometers west of Grand Forks: "22 million tons of copper ore containing gold and silver were mined..." from the camp in the early part of the century (Little, 1957). Vein deposits, which are found filling fissures and shears in both country rock and batholith near their contact, have been mined chiefly for gold and silver.

Five kilometers north of the Burrell property is the Franklin mining camp. Mineralization similar to that described above was found here in 1896. Numerous bodies of skarn and fissure vein deposition containing pyrite, chalcopyrite, galena, sphalerite and gold/silver mineralization were found. The most significant of these, the Union, mined 189,000 tons of ore at a grade of 0.4 oz/ton gold, 10 oz/ton silver and varying amounts of zinc, lead and copper from an easterly trending (080/V) fissure vein cutting Anarchist units proximal to the Cretaceous intrusive suite.



- LEGEND**
- TERTIARY**
MIOCENE(?)
 11 Basalt, olivine basalt
- PALEOCENE OR EOCENE**
PHOENIX VOLCANIC GROUP
 10 Andesite, trachyte; minor basalt; locally, interbedded tuff, shale, and/or siltstone
- CRETACEOUS(?)**
LOWER CRETACEOUS(?)
 7 VALHALLA INTRUSIONS: granite, porphyritic granite
- MESOZOIC**
 6 NELSON INTRUSIONS: granodiorite, porphyritic granite; diorite, monzonite, quartz monzonite
 5 Ultrabasic intrusions, serpentinite
- JURASSIC**
KONSLAND GROUP
 4 Andesite, tuff; agglomerate and flow breccia; minor greywacke
- PERMIAN(?)**
ANARCHIST GROUP
 3 Greenstone, greywacke, limestone; paragneiss
- PALEOZOIC**
PENNSYLVANIAN AND/OR PERMIAN
 2 MOUNT ROBERTS FORMATION: greywacke, greenstone, limestone; paragneiss
- PROTEROZOIC(?)**
MONASHEE AND GRAND FORKS GROUPS
 1 Paragneiss; minor crystalline limestone and pyroclastic

BURRELL PROPERTY

REGIONAL GEOLOGY

GREENWOOD M.D. figure 2 NTS 82E/8W & 9W

Compiled By: DJC	Date:
Drawn by: DJC	December 1988
Revised:	

The Franklin camp has attracted renewed interest and exploration in recent years. Sumac Ventures Inc. is conducting a program of reclamation by heap leaching the contained gold and silver from the Union mine tailings pond. At the same time, mineralization which had formerly been of too low a grade to be economically processed is being tested for gold and silver by a number of mining companies.

Recent work at Franklin camp has also included the investigation of the early Tertiary "Averill" mafic intrusives for platinum group(PGE) deposition. Platinum is found in the augite or biotite rich core of small, northwesterly trending, zoned, mafic-rich monzonite plugs. The PGE are associated with chalcopyrite and iron sulfides.

2.2 PROPERTY HISTORY

The area was prospected in the early part of the century while the Franklin camp was active; no mineralization was reported on the east side of Burrell Creek, but a number of occurrences were staked in Anarchist greenstone west of the creek.

During 1973 and 1974, the east side of Burrell Creek was opened by logging roads. Prospecting at this time by Walter Buller discovered three areas of mineralization on which he staked small claim blocks.

In May and June of 1988 Coffin conducted a program in order to locate Buller's showings, and to assess the geochemistry of the property and its potential for further work. Two of Buller's showings, WSW and Burr, were located and sampled. Soil geochemistry was tested with a small suite of samples at the Burr showing.

The Burr showing is an area of east-west trending fractures with minor limonite and chalcopyrite in altered granodiorite which had been opened by bulldozer trenching. Four chip samples taken at this showing in '88 were anomalous in copper and zinc.

The WSW showings, located approximately 1.5 km south-southwest of the Burr showing, consist of easterly to southeasterly trending stringers mineralized with pyrite, chalcopyrite, sphalerite and galena. Three samples taken from these showings ran between 410 ppb and 1600 ppb gold, 7.5 to 29.7 ppm silver, and up to 0.84% lead and 0.75% zinc. Three short holes which had been drilled by Buller into these showings with a packsack drill indicated continuity to shallow depths; Buller did not assay his core samples.

The third Buller showing, the LJ, is reportedly located seven or eight hundred meters northwest of the Burr showing, and is described as a series of northwesterly trending stringers in Nelson granodiorite which contain sulphide mineralization and visible gold. Two samples assayed by Buller ran 1.52 oz/ton gold & 0.66 oz/ton silver, and .428 oz/ton gold & 0.29 oz/ton silver.

3.1 PROPERTY GEOLOGY

The southern and eastern part of the property is composed of syenitic Coryell intrusive and areas of Tertiary(?) intermediate flows, large areas of which have undergone siliceous and argillic alteration. Coryell syenite intrudes Permian intermediate volcanics and Cretaceous granodiorite in the southwest part of the property, and the northwest part is composed of Cretaceous Nelson and Valhalla granodiorite.

A northerly trending system of Cretaceous to Tertiary faults, known regionally as the Granby River - Burrell Creek fault, runs the length of the property along its eastern side. Siliceous and disseminated pyrite alteration is found for considerable widths away from these features. Westerly trending, cross-cutting, structures are spatially related to the Buller showings. Anomaly A, a northwesterly trending VLF-EM/soil geochemistry high adjacent to the WSW showing appears to cut both Permian volcanics and the Coryell stock.

3.2 LITHOLOGIES

The Cretaceous Nelson and Valhalla granodiorite are fine to medium grained, equigranular, and contains up to 15% hornblende or biotite as dark minerals. The bodies are differentiated by Little with reference to the smokey colour of free quartz and an allotriomorphic texture within the Valhalla; the Valhalla seen on the property usually contains 1% magnetite and this feature was used to distinguish the two during field mapping.

Coryell intrusive is salmon to pink coloured and contains 5 to 10% chlorite after ?hornblende and usually contains magnetite. It varies in grain size from fine grained containing indistinct

phenocrysts of orthoclase up to 1 cm. long in the western portion of the property, to areas containing poorly formed but well segregated megacrysts up to 15 cm long found east of the Burrell fault.

The Permian volcanic sequence found along Burrell creek are dark to medium gray-green andesite flows and fragmentals with minor limy horizons and fine grained dark tuffs. It is distinguishable from Tertiary intermediates in that small areas of epidote and chloritic alteration are usually present in the unit.

Tertiary volcanic sequences found in the south central portion of the property are composed of andesitic to more felsic flows. Along altered margins darker rock can be seen to contain feldspar lathes 2 to 5 mm. in length displaying a tracytic texture. Glassy outcrops within the sequence appear to represent areas of siliceous alteration but may in part be rhyolitic flows.

3.3 STRUCTURE

The north-south trending Burrell fault has been active through Coryell period and appears to be the conduit for fluids altering the Tertiary volcanics. Westerly trending structures appear to be stress features relating to the Burrell fault.

3.4 ROCK GEOCHEMISTRY

A total of 29 rock samples were collected and analyzed as per soil and silt samples. Anomalous concentrations of copper and elevated zinc and lead were found in samples of silicified and chlorite altered shearing within granodiorite in the northern portion of the property. Because of high biotite concentrations in areas the presence of high background chromium, several samples were selected and are being analyzed for platinum. Sample locations are

plotted on figure 3.

3.5 SILT SAMPLING

Five silt samples (BI 08-12) were collected from the St. Annes Creek drainage. The most notable anomalies, particularly with regard to regional sampling, are for arsenic. Arsenic highs are found within 500 metres of known silica healed faults. Detailed silt sampling may be useful in delineating target areas, but is restricted to mainstream sampling due to lack of silt beds in tributary creeks which are generally gullies which flow intermittently.

4.1 GRID EMPLACEMENT

A 1400 metre picket and chain baseline was run due east from a point near Burrell Creek and 1000 meters north of St. Ann's Creek. Five grid lines, 0 +00 through 4 + 00 E, were run South to St. Anne's Creek and then used to conduct magnetometer, VLF-EM and soil geochemistry surveys. Line 11 + 00 E was run North for 500 metres. All of the cross lines were compass and flag using 20 metre stations.

4.2 MAGNETOMETER / VLF-EM SURVEYS

The magnetometer survey was conducted using a Scintrex MP-2 proton procession magnetometer with the sensor fixed to the operators shoulder pack. The survey produced several sharp anomalies in the 5-600 gamma range in the area north of the WSW showing. A strong break in susceptibility along a northwesterly trending line running through the centre of the grid appears to represent a change in lithology from the volcanics to Coryell intrusive.

The VLF-EM was conducted using a Saber Electronics receiver tuned to the transmitter in Seattle Wash. A strong linear feature, anomaly A, trends roughly 125° through the centre of the grid; soil samples from several grid lines over this feature produced zinc, lead and copper anomalies. It may represent mineralization similar to that of the WSW showing. Several subtle trends of subparallel orientation can also be recognised to the north and south of anomaly A.

4.3 SOIL GEOCHEMISTRY

A total of 59 soil samples were collected for selected geophysical target on the lower grid and analyzed by ICP for 31 elements, and by AA for gold. Sample sites are shown on figure 6.

Strong contrasts are seen in zinc, lead, copper, cadmium and

beryllium associated with anomaly A described above. Several
multielement trends require further follow up.

BURREL PROPERTY

SOIL GEOCHEMISTRY

Greenwood M.D. FIG. 6 NTS 82E 8&9w

Scale: 1:2500 Drawn by EPC Dec 1989

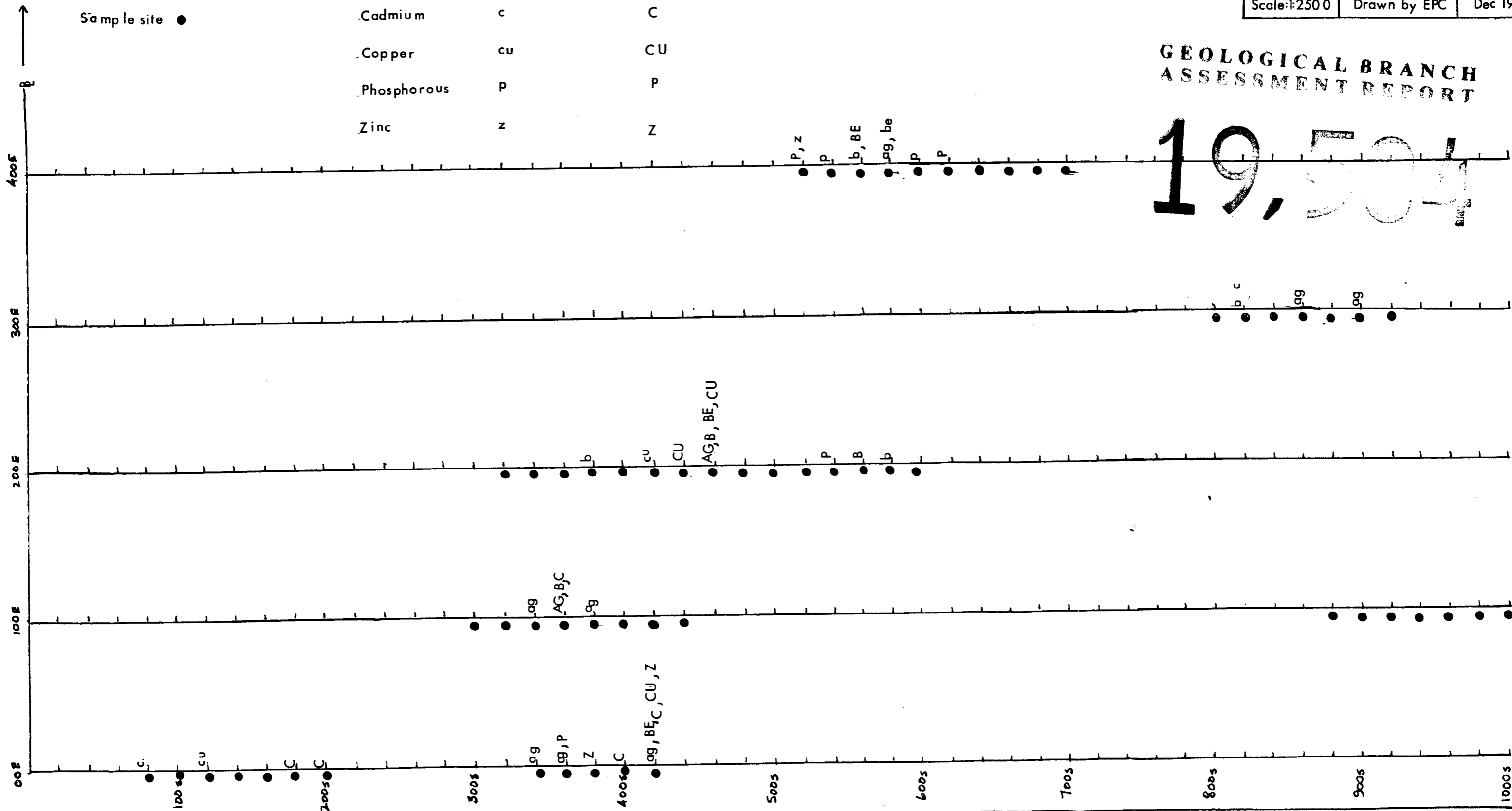
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

19,504

	ANOMALOUS	HIGHLY ANOMALOUS
Silver	ag	AG
Barium	b	B
Beryllium	be	BE
Cadmium	c	C
Copper	cu	CU
Phosphorous	p	P
Zinc	z	Z



Sample site ●





BURREL PROPERTY

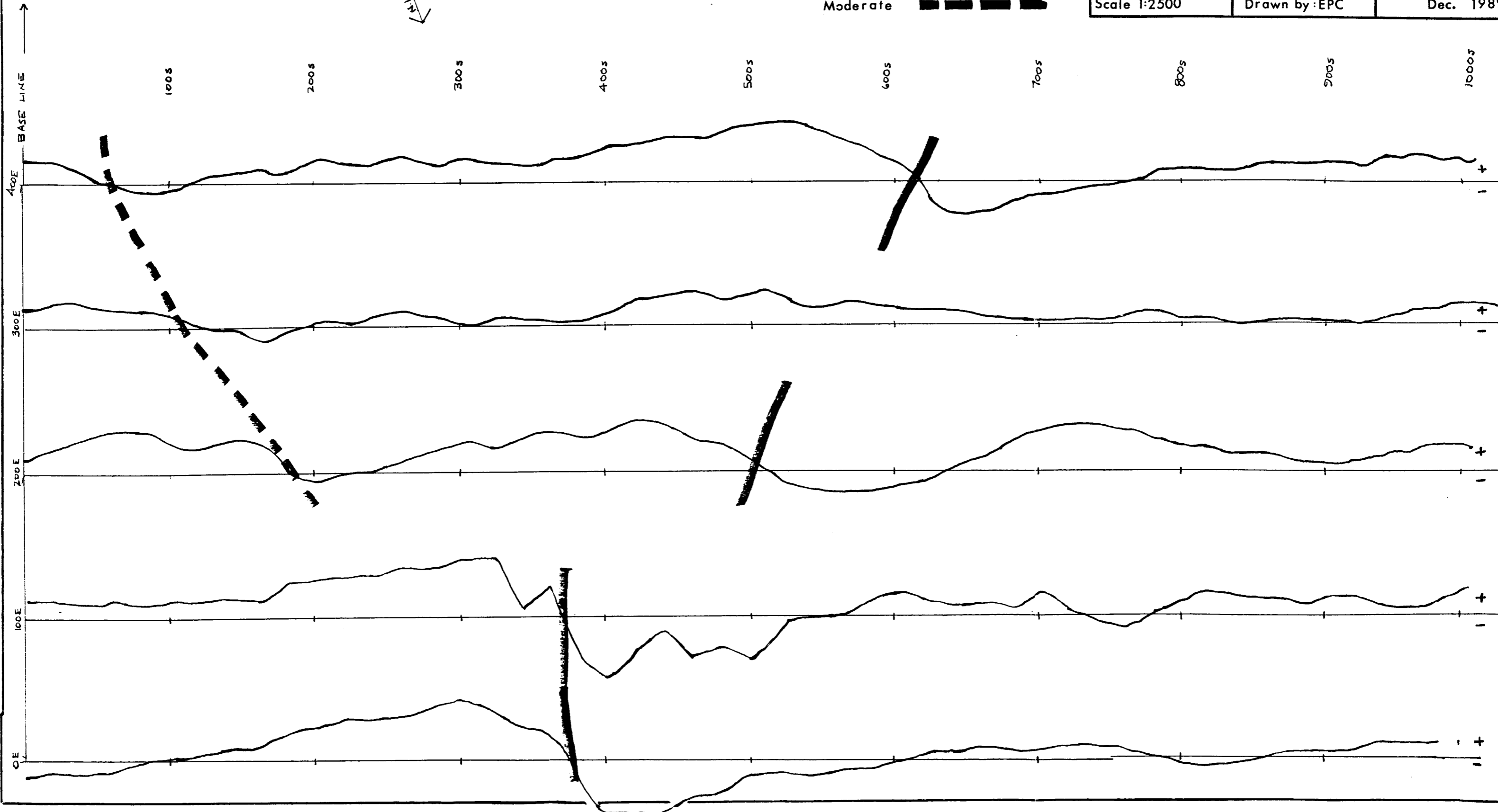
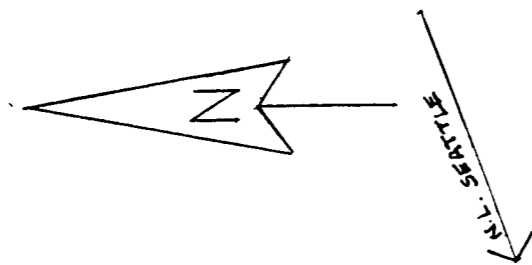
VLF DIP ANGLE PROFILES

Greenwood M.D. Figure No. 5 NTS 82E 8&9W

Scale 1:2500 Drawn by: EPC Dec. 1989

Station: Seattle
1 cm vertical = 10° of dip

CONDUCTORS: Strong 
Moderate 



**BURREL PROPERTY
MAGNETOMETER SURVEY**

Greenwood M.D. Figure 4 NTS 82E 8&9w

Scale 1:2500 Drawn by EPC Dec 1989

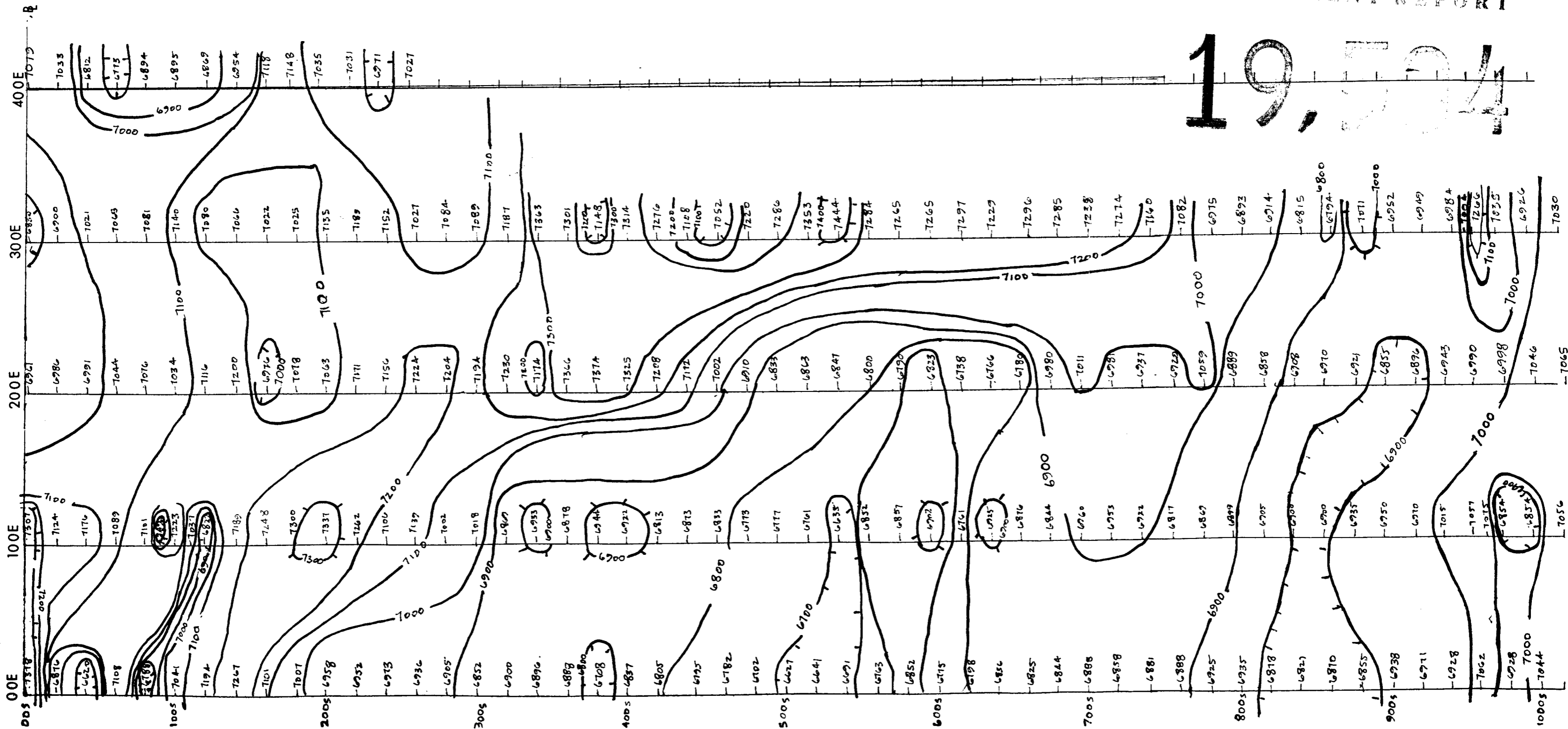
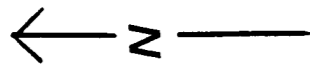
Station spacing 20 m

Grid value = Actual value - 50,000 gammas

Contour Interval 100 gammas

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

19.504



5.1 CONCLUSIONS AND RECOMMENDATIONS

The area of Permian volcanics and the area of Tertiary volcanics directly to the east of it should undergo further grid establishment in order to complete detailed geological mapping, soil, sampling and magnetometer VLF-EM surveys. The grid work would be followed up back hoe trenching which would include examination of anomaly A.

Alteration along the length of the Burrell fault should undergo detailed geological mapping and lithogeochem surveys in order to determine structural and trace element trends, if any, within the alteration zones. Further grid work in this area would be dependent upon the results of this survey.

The area of silicification and chalcopyrite mineralization within the granodiorite should undergo detailed mapping with regard to alignment of alteration products and should be considered a target area both for gold, as reported in previous work, and for platinum as it displays several characteristics common to the Averill platinum structures found north of the property.

BIBLIOGRAPHY

- Buller, W. 1975 Assessment Work Mineral Claim LJ#I
Assessment report 5513
- Buller, W. 1975 Assessment Work Mineral Claim WSW#I
Assessment report 5535
- Buller, W. 1975 Assessment Work Mineral Claim Burr#I
- Church, B.N. 1986 Geological Setting and Mineralization in the
Mount Attwood-Phoenix Area of the Greenwood
Mining Camp
B.C. MEMPR Paper 1986-2
- Coffin, D.J. 1988 Assessment Report of Burrell Group of Mineral
Claims. Greenwood Mining Division
- Drysdale, C.W. 1915 Geology Of Franklin Mining Camp, British
Columbia.
G.S.C. Memoir 56
- Little, H.W. 1957 Kettle River East Half, British Columbia
Map Only, 1:250,000
G.S.C. map 6-1957
- Keep, M & 1987 "Geology of the Averill Plutonic Complex,
Russell, J.K. Franklin Mining Camp"
B.C.M.E.M.P.R. Paper 1987-1, pgs 49 to 53
- Keep, M. & 1988 "The Geology of the Averill Plutonic Complex,
Russell, J.K. Grand Forks, British Columbia"
B.C.M.E.M.P.M. Paper 1989-1, pgs. 27 to 32
- Okulitch, A.V. Kootenay River, British Columbia
Woodsworth, G.J. Map Only 1:1,000,000
G.S.C. Open File 481

5.2

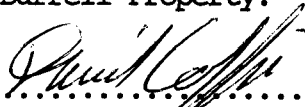
Qualifications

I attended the Haileybury School of Mines, Ontario, in the department of Mining Technology, from 1975 to 1977. Subsequent to that I have completed university courses in geography and economics, and numerous short courses and seminars dealing with geochemistry and Cordilleran geology and mineral deposits.

Since 1974 I have worked at a variety of jobs in the Canadian mineral exploration field, including regional and detailed prospecting, detailed geological mapping, core logging, property management and program development.

Since 1986 I have been a self employed exploration consultant and partner in the firm of Vanguard Consulting Ltd. Much of the work involved contract and sub-contract supervision of early stage exploration programs for small mining companies, largely for vein type gold deposits in coastal and "interior" B.C.

I hold a direct interest in the Burrell Property.


.....
David Coffin 26/12/89

APPENDIX A - GEOCHEMICAL RESULTS

COMP: VANGUARD CONSULTING LTD.
 PROJ: BURR
 ATTN: D.COFFIN

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: 9V-1013-RJ1

DATE: SEP-07-89

* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPM
BRC101	1.4	7680	26	1	34	1.1	6	4050	.1	10	9	20520	1080	12	6100	456	3	400	6	820	23	2	10	6	1	27.3	45	2	1	1	70	5
BRC102	.6	8710	8	1	42	1.1	2	1760	.1	6	6	28460	1540	8	4390	669	3	440	1	820	18	1	6	3	1	20.9	86	1	1	1	19	5
BRC103	.5	6540	14	1	40	1.1	2	330	.1	3	6	17780	2030	4	1470	606	1	410	1	290	52	1	7	4	1	12.7	59	1	1	1	18	5
BRC104	.2	2960	13	1	20	.3	1	350	.1	11	26	11710	390	3	2150	173	2	130	2	120	3	1	2	1	1	10.0	22	1	1	1	161	5
BRC105	.8	7090	18	1	43	.7	2	1170	.1	10	32	18050	560	8	6530	427	3	120	5	290	15	2	4	1	1	39.9	42	1	1	1	150	5
BRC106	.5	8170	11	1	124	1.3	2	1400	.1	6	9	22310	2110	5	2450	652	2	370	1	780	21	1	10	2	1	15.1	53	1	1	1	48	5
BRC107	.7	7040	21	1	56	.9	2	2230	.1	9	9	23050	1670	7	4190	543	4	360	6	1000	21	1	11	4	1	26.1	38	1	1	1	52	5
BRC108	.5	2580	11	1	34	.3	1	350	.4	2	6	4200	1700	1	210	152	1	270	2	120	7	1	5	1	1	4.3	8	1	1	1	104	5
BRC109	.5	3910	12	1	860	.6	1	1370	.4	5	28	15370	2880	1	310	247	3	260	1	790	41	1	25	2	1	8.1	38	1	1	1	81	10
BRC110	.3	3110	8	1	46	.4	1	370	.1	2	7	9150	1860	1	140	192	7	290	2	260	18	1	8	1	1	4.5	24	1	1	1	87	5
BRC111	.4	6920	14	1	39	.5	2	1080	.9	5	5	16940	1470	3	3600	548	11	210	3	590	33	1	6	1	1	16.6	61	1	1	1	59	5
BRC112	.7	9430	16	1	105	.6	2	2130	.1	5	4	15770	2330	5	4150	432	12	180	4	630	33	1	12	1	1	14.5	67	1	1	1	57	5
BRC113	.7	7120	9	1	223	.7	1	830	.3	4	7	13480	1930	5	2640	275	2	360	3	440	19	1	8	3	2	10.2	40	1	1	1	51	5
BRC114	.8	11800	17	1	95	.8	1	3920	1.0	9	100	35300	930	11	7540	563	3	120	18	590	15	1	9	1	1	44.8	39	1	1	1	87	5
BRC115	.9	4890	14	1	16	.3	2	3400	.5	5	180	10070	320	4	4620	185	3	100	6	130	6	1	2	1	1	24.2	25	1	1	1	163	5
BRC116	1.1	7820	18	1	35	.4	4	1590	1.2	10	130	16280	460	8	7480	282	3	160	11	210	11	1	2	1	1	46.3	50	1	1	1	157	5
BRC117	16.2	28460	1	1	29	1.0	14	23110	3.9	30	5191	50190	290	21	26900	1089	7	220	30	690	51	13	8	1	1	118.1	139	2	2	2	88	85
BRC118	2.5	12000	11	1	21	.6	7	14400	1.0	16	457	22350	330	12	10930	450	3	400	15	430	19	3	12	1	1	60.7	42	1	1	1	122	15
OC1	.4	820	16	1	18	.2	1	19290	.7	4	12	6000	190	1	370	1453	3	80	10	260	15	1	32	1	1	2.8	8	1	1	1	162	5
OC2	.6	860	14	1	26	.2	1	17690	1.1	6	14	8120	260	1	430	1213	4	80	11	400	16	1	26	1	1	3.1	12	1	1	1	133	5
OC3	1.1	39910	1	1	53	1.0	6	1130	.8	19	12	55130	650	14	40020	462	10	70	22	490	52	6	3	1	1	97.3	73	1	1	1	61	5
OC4	1.6	3260	56	1	55	.9	4	102220	.1	38	107	63560	710	1	9120	1389	4	430	11	260	31	10	1	2	1	17.5	59	2	1	1	1	5

COMP: VANGUARD CONSULTING INC.
 PROJ: BURR
 ATTN: D.COFFIN

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: 9V-1643-RJ1

DATE: DEC-18-89

* TYPE ROCK GEOCHEM • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPM
BRC 119	1.0	10310	1	1	583	.6	7	8250	1.3	10	111	18060	730	15	8830	838	5	260	10	470	33	2	31	1	1	49.6	262	1	1	2	115	5
BRC 120	.2	7970	1	1	103	1.1	4	7370	.9	4	8	17670	2100	5	4310	796	1	430	5	700	32	1	15	1	1	17.8	83	1	1	1	63	15
BRC 121	.9	2010	60	1	19	.2	3	6240	.1	2	9	5600	450	3	1790	158	9	30	5	60	64	1	2	1	1	11.3	18	1	1	2	245	5
BRC 122	1.6	12130	1	1	52	.6	8	8410	.1	5	17	15460	1950	7	5960	277	21	280	7	920	61	1	47	2	1	27.3	52	2	1	1	79	10
BRD 101	1.8	17200	1	1	68	1.5	11	13800	1.1	18	41	35660	1240	30	16550	776	11	630	20	1310	40	4	42	2	1	82.9	104	1	1	2	158	5
BRD 102	.6	10430	10	1	54	.5	4	6490	1.4	7	11	17050	1600	11	7350	495	3	550	8	410	28	1	17	2	1	33.4	75	1	1	2	136	5
BRD 103	1.2	11340	7	1	39	.6	5	7970	3.7	7	475	16480	1810	12	8500	486	6	390	9	400	32	2	13	2	1	33.7	491	1	1	2	140	5
BRD 104	2.1	1640	65	1	18	.1	5	1940	1.1	2	83	4720	680	1	570	252	3	40	3	80	160	1	2	1	1	6.2	221	1	1	2	276	5
BRD 105	3.4	8600	60	1	13	.6	3	15780	.7	6	1286	14790	330	9	5460	608	4	110	4	150	23	3	27	1	1	36.8	48	1	1	2	228	10
BRE 001	1.4	11470	29	1	61	.6	7	3390	.1	10	92	32850	2160	13	9120	348	54	440	6	520	27	2	15	1	1	63.3	53	1	1	1	86	5
BRE 002	5.3	13620	1	1	81	1.0	1	7360	2.4	10	3597	27630	1800	15	9130	718	67	370	9	580	44	7	18	1	1	51.0	168	1	1	2	112	35
DRC 001	1.4	30420	1	1	22	.6	9	11430	1.5	18	117	47140	600	31	11510	976	7	9360	9	880	35	1	18	1	1	85.9	103	1	1	1	49	5
DRC 002	.8	7420	23	1	146	1.6	1	6740	.1	10	19	31040	1420	5	3000	601	7	780	19	1350	25	1	28	3	1	35.5	59	1	1	1	79	5
DRE 001	1.8	21210	1	1	27	.8	7	3610	.4	23	209	92480	1640	29	10220	655	13	260	1	800	39	1	12	1	1	77.6	510	1	1	1	36	5
DRE 002	3.1	22570	1	1	37	.6	13	11760	.1	14	85	45920	880	25	11880	519	7	810	10	1300	70	1	15	1	1	129.9	83	2	2	1	30	5

APPENDIX B - COST BREAKDOWNS

BURRELL PROJECT 1989

COST BREAKDOWN - AUGUST 20 -27 PERIOD

Consulting:

David Coffin	
8 days @ \$325.00	\$ 2,600.00
Eric Coffin	
8 days @ \$225.00	1,800.00
Subtotal	<u>\$ 4,400.00</u>

Expenses:

Vehicle (9 days @ \$50 + 1,164 km @ \$0.15)	\$ 624.60
Gas	96.20
Motels	86.40
Groceries and Meals	246.31
Propane, supplies	219.04
Rock Analyses, 22 @ \$15.50	341.00
Airphotos, mylars, base maps	191.99
Add: 15%	270.83
Subtotal, Expenses	<u>\$ 2,076.37</u>
TOTAL COSTS (AUGUST 20-27)	\$ 6,476.37

BURRELL PROJECT 1989

COST BREAKDOWN - NOVEMBER 30 - DECEMBER 11 PERIOD

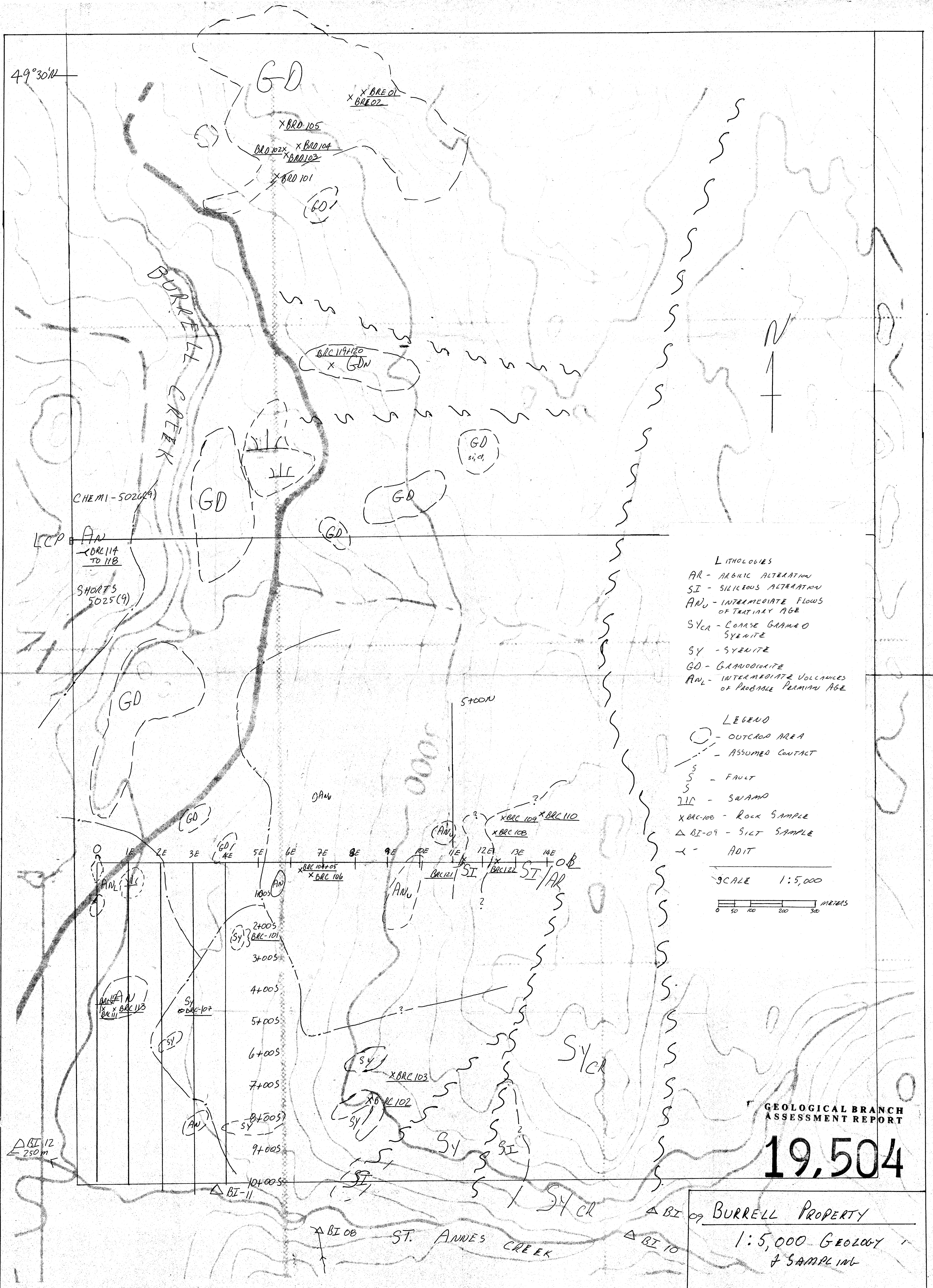
Consulting:

David Coffin		
13 days @ \$325.00		\$ 4,225.00
Eric Coffin		
9 days @ \$225.00		2,025.00
Stuart Davies		
6 days @ \$225.00		1,350.00
Subtotal		<u>\$ 7,600.00</u>

Expenses:

Vehicle 13 days @ 30.00	\$	390.00
Fuel, Bus Fares		254.32
Motels		175.26
Groceries and Meals		279.61
Propane, supplies		33.17
Rock Analyses, 15 @ \$14.75		221.25
Soils, 59 @ \$12.75		752.25
Silts, 14 @ \$12.75		178.50
VLF, Magnetometer, Chainsaw rental		325.00
Long Distance Charges		17.94
Subtotal, Expenses		<u>\$ 2,627.30</u>
TOTAL COSTS (NOV. 30 - DEC. 11)		\$10,227.30

49°30'N



- LITHOLOGIES**
- AR - ARGILIC ALTERATION
 - SI - SILICEOUS ALTERATION
 - AN - INTERMEDIATE FLOWS OF TERTIARY AGE
 - SYcr - COARSE GRAINED SYENITE
 - SY - SYENITE
 - GD - GARNETDIORITE
 - ANL - INTERMEDIATE VOLCANICS OF PROBABLE PERMIAN AGE

- LEGEND**
- - OUTCROP AREA
 - - - - - ASSUMED CONTACT
 - ~ - FAULT
 - ||| - SWAMP
 - X BRC-100 - ROCK SAMPLE
 - △ BI-09 - SILT SAMPLE
 - - - ADIT

SCALE 1:5,000

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,504

△ BI 09 BURRELL PROPERTY
1:5,000 GEOLOGY
& SAMPLING

DEC. 26 1989 FIGURE 3