GEOCHEMICAL REPORT

on the

WELL GROUP MINERAL CLAIMS

CRANBROOK AREA

FORT STEELE MINING DIVISION

BRITISH COLUMBIA

PROPERTY

OWNER

OPERATOR

AUTHOR

DATE

WELL 3 and WELL 4 N.T.S. 82F/9E 49°33'N 116°07'W

GEOTECH RESOURCES INC. /TUNSTALL RESOURCES INC., 319-470 GRANVILLE ST. VANCOUVER, B.C. V6C 1V5

84-#482 -# 12421 1/85

GEOTECH RESOURCES INC., 319-470 GRANVILLE STREET VANCOUVER, B.C. V6C 1V5

G.S. ARCHER, 319-470 GRANVILLE STREE VANCOUVER, B.C.

JULY 5, 1984

GEOLOGICAL BRANCH ASSESSMENT REPORT



on the

WELL GROUP MINERAL CLAIMS

CRANBROOK AREA

FORT STEELE MINING DIVISION

BRITISH COLUMBIA

WELL 3 and WELL 4 PROPERTY N.T.S. 82F/9E 49°33'N 116°07'W GEOTECH RESOURCES INC. OWNER /TUNSTALL RESOURCES INC., 319-470 GRANVILLE ST. VANCOUVER, B.C. V6C 1V5 GEOTECH RESOURCES INC., OPERATOR 319-470 GRANVILLE STREET, VANCOUVER, B.C. V6C 1V5 G.S. ARCHER, AUTHOR 319-470 GRANVILLE STREET, VANCOUVER, B.C. JULY 5, 1984 DATE

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INTRODUCTION

This report was written at the request of Geotech Resources Inc. The report is based on geochemical data and observations made during the sampling process.

The Well mineral claim group is located 30 km. west of Cranbrook within one km. east of Angus Creek. Perry Creek is within 4 km. to the east (see property location map). The property can be accessed from Cranbrook, north along Highway 95-A for 20 km. and then west for 15 km. A main logging road is then followed south up the east side of Angus Creek where the Well group is located.

The property consists of two claims of 16 units each. The property was purchased from Trans-Arctic Ltd. with 50% interest in the claims held by Tunstall Resources Inc. No previous work has been recorded on the property.

The geochemical survey that has been carried out to date is of limited scope. It is felt that continued exploration along the shear zone should produce more encouraging result due to the close proximity to a mineral occurance as indicated by G.B. Leech on his St. Mary Lake map sheet. L. Sookochoff, P.Eng states that:

"The WELL CLAIM GROUP covers geologically favorable ground for the occurrence of gold bearing quartz material comparable to that located on the adjacent ground to the southwest or at Perry Creek.

The St. Mary's shear zone covered by the claim group could provide the necessary mineral controlling structures. The trenched shear zone on the property, although not carrying gold or silver values provides encouraging features to geological controls of potential mineralization."

A total of 12 samples, weighing 3-4 kilograms each were collected (see Appendix A).



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GEOLOGY

The general geologic setting of the property consists of three formations. The basal <u>Aldridge Formation</u>, the oldest formation occurring in the region as well as the property consists primarily of weathered argillite and argillaceous quartzite. The <u>Creston Formation</u>, which is transitional from the Aldridge Formation consists of argillaceous quartzites and argillites. This formation is host to gold quartz veins on Perry Creek situated to the east. The <u>Moyie Intrusions</u>, which are interbedded with the Aldridge Formation, consists of meta-diorite and meta-quartz diorite.

The following is quoted from L. Sookochoff's June 5, 1984 report on the Well claim group.

"The general structure of the area is of a broad, northerly striking anticline exposing the core of the Proterozoic rocks with younger rocks to the west and east. The regional St. Mary's Fault trends east northeast through the property area and creates a fault contact with the Aldridge and Creston Formations.

Faults extending from the south generally terminate or trend into the St. Mary's fault and commonly indicate contacts between the Creston and Kitchener Formations."

"The property predominantly covers the basal Aldridge Formation in a northeasterly trending contact with the Creston Formation to the southeast. The two Formations are partly in fault contact by the east northeasterly trending St. Mary's fault."

SAMPLING AND LABORATORY METHODOLOGY

The recently excavated trench exposed a 30 metre shear zone trending 090 . A total of 12 samples, weighing 3-4 kilograms each were collected (see trench and sample map). Appendix A lists the sample rock type, texture and other observations made during the sampling process. Direction and distance was measured using compass and tape . The samples were put in numbered plastic bags.

The trenched zone was accessed via a secondary logging road which was cleared of snow. The trench was excavated by 'cat' to a depth of 2.2 metres and length of 35 metres on a bearing of 170.

The samples were analyzed by Acme Analytical Laboratories Ltd., Vancouver B.C. The samples were tested for 30 elements using Inductively coupled Argon Plasma (ICP). The rock samples were pulverized to -100 mesh and dried. A 0.5 gram sample was digested in hot diluted aqua regia (3 ml) in a boiling water bath (90 C) and diluted to 10 ml with demineralized water. Gold was determined by regular assay.

The results showed only background levels for gold and silver (see Appendix B). The St. Mary Lake map sheet by G.B. Leech shows this location to be a mineral prospect which prompted the re-testing of the samples at Chemex Labs Ltd. Similar results for gold and silver were obtained (see Appendix B-2).

It is expected that additional trenching and sampling to the east of this location will provide the necessary information to accurately evaluate the shear zone.





ITEMIZED COST STATEMENT

A)	Wages - May 7-12, 1984	
	Geologist - 6 days @ \$115.00/day	\$ 690.00
B)	Trenching and road improvement	
	Trans-Arctic Exp. Ltd. (May 24) Trans-Arctic Exp. Ltd. (June 11)	\$ 585.00 \$1030.00
C)	Food and Accomadation between May 7 and May 12, 1984	\$ 150.35
D)	Truck and Air Fair Truck rental Air Fair	\$ 64.17 \$ 250.00
E)	Geochemical Analysis - Acme Analytical Laboratories (see Appendix C) Chemex Labs Ltd. (see Appendix D)	\$ 186.00 \$ 291.00
		\$3247.07

GORDON S. ARCHER - QUALIFICATIONS

- I am a graduate of the University of Victoria with a Bachelor of Science Degree (1980 - Physical Geography).
- I have subsequently completed the Geology Program at the University of British Columbia.
- 3) Geology Work Experience :
 - Assistant Geologist with the B.C. Ministry of Energy, Mines and Petroleum Resources, Project Geology Dept. 1980-1981.
 - Intermediate Field Geologist with Petro Canada (Coal Division) 1982.
 - Self-employed worked for several Vancouver based resource companies and with various geological engineers throughout the season - 1983.
 - Currently employed by Geotech Resources Inc. as a Geologist and Computer Programmer.
- 4) I am currently a shareholder of Geotech Resources Inc.

John Chit

Gordon Archer

APPENDIX A

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Sample number	Description
TR-1-A	-Chloritic porphyry -rust along fractures -3.7 metres sampled
TR-1-B	-rusty color throughout -linear texture -mylonitic -granular appearance -3.1 metres sampled
TR-1-C-1	-gossan material -7 cm wide siliceous material(vertical) within loose gossan. -l.6 metres sampled
TR-1-C-2	-gossan material -last 0.9 metres-siliceous volcanic rock very angular -linear fabric - fine grained -some alteration to clays -l.7 metres sampled -090°/ 90°
TR-1-D	-fine grained - very rusty volcanics -slight linear fabric -3.9 metres sampled
TR-1-E	-same as TR-l-D -granular appearance -2.5 metres sampled
TR-1-F	-rusty/dark green colour -siliceous -small dark quartz veins 1-4 cm thick -3.7 metres sampled

Sample number	Description
TR-1-G	<pre>-rusty colour with little green (chloritic) colour -box shaped vesicules - from oxidized pyrite (?) -some quartz 'eyes' -3.4 metres sampled</pre>
TR-1-H	-very siliceous -quartz veins 1 - 12 mm thick -3.4 metres sampled
TR-1-I	-same as TR-l-H -large 'lumps' of quartz (7cm dia.) in volcanic matrix - no quartz veins -3.2 metres sampled
TR-1-J	-same as TR-l-H and TR-l-I -slightly more chloritic -2.2 metres sampled
1.2 metres of cov	ered section
TR-1-K	-very siliceous fine grained volcanics -some rust colour -2.2 metres sampled

end of section

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APPENDIX B

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ACME ANALYTICAL LABORATORIES LTD.

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852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6

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PHONE 253-3158

DATA LINE 251-1011

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ASSAY CERTIFICATE

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-3 HCL-HHO3-H20 AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 % WITH WATER. This leach is partial for MM.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.JR.CE.SM.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.

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APPENDIX B-2

212 BROOKSBANK AVE. CHEMEX LABS LTD. NORTH VANCOUVER, B.C. CANADA V7J 2C1 TELEPHONE: (604) 984-0221 . ANALYTICAL CHEMISTS REGISTERED ASSAYERS GEOCHEMISTS TELEX: 043-52597 CERTIFICATE OF ANALYSIS CERT. # : 08611884-001-6 TO : GENTECH RESOURCES INC. INVOICE # 1 19-11884 319 - 470 GRANUILLE 57. DATE : 21-MAY-84 P.C. # : NONE MANCOUVER, B.C. V62 1K3 На рек. Ч. рры Та рем. Р. рем. 91 рек. Сб. рем. Сб. рем. NI рем. Ва рем. . Fe X. Ма рем. Ст. рем. No X V PPm A) I Be PPN Cal Eu prw. Ag ppm Ti X Sr PPH Na Z 11 ([CP) (ICP) (ICF) (ICP). (102) ((CP) (ICP) (ICP) (ICP) (ICP) (102) (102) (107) (107) (102) (ICP) (ICP) AAS (105) (1CP) (1CP) description (102) (102) (122) 9.64 6.34 900 390 4.57 190 7.59 3.20 12 (0.2 0.321 81 2.66 115 2 <2 (0.5 28 61 65 2.0 72-1-A <1 (10 131 795 385 193 0.83 4 <0.Z 0.282 44 1.82 0.52 55 112 2 <2 (0.5 41 61 -51 7.02 4.02 7.21 2.0 70-1-0 (1) (10 Ż.5 17-1-0-1 (1 <10 20 250 91) (2 (0.5 8 25 114 4.70 102 350 0.55 184 5.77 0.09 22 (0.2 9.231 8 0.48 2.45 (10 144 (0.5 20 145 2.00 - 32 405 0.77 192 7.54 2.0 0.03 9 10.2 0.308 5 1.29 3.01 7-1-[-2 () 3 20 .2 3 92 92 463 4.68 Z50 9.45 2.5 0.22 ٤ (2.2 0.259 33 9.77 <2 (0.5 29 9.04 823 1.89 10-1-3 ((10 36 161 2 -2-1-5 (2 37 71 29 7.06 430 4.92 225 6.94 3.5 0.40 (I (0.2 0.296 31 1:31 0.21 1 (10 72 115 2 (0.5 760 0.97 2.13 7-1-5 53 34 8.48 345 3.41 215 6.59 4.0 5 (0.2 0.321 28 0.23 57 9B 2 <2 (0.5 60 810 (1 (10 13-1-6 47 67 12 3 (0.5 36 45 39 8.05 380 270 2.49 176 5.25 2.0 0.27 7 (0.2 0.172 15 1.25 0.20 (1 (10 4; 5 (0.2 0.141 jł. 1.39 21.9 3 (0.5 45 44 5.7! 330 205 1.68 164 5.23 2.0 0.10 - 7-1---(1 <10 39 109 2 51 38 41 4.88 410 200 1.02 170 5.73 1.5 0.06 8 (0.2 0.176 9 1.41 0.24 (2 (0.5 77-1-1 <1 <10 26 142 Z 0.58 0.58 73-1-3 (0.5 48 40 46 6.29 260 195 1.22 170 5.75 0.04 (0.2 0.205 3 <1 (10 15 170 2 ٢2 1.5 10 50 31 0.19 31 3.84 0.01 (0.2 0.067 0:25 1.73 T9-1-K (1 (10 4 360 . 3 (0.5 9 4.27 91 1.0 1 1 .

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APPENDIX C

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APPENDIX D

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