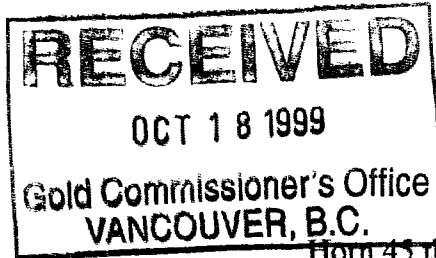


**GEOLOGICAL AND GEOCHEMICAL ASSESSMENT REPORT
ON THE HORN CLAIMS**



HORN PROPERTY

Horn 45 through 76, 78 - 80, 82 - 85, 86,87, 96-101

NTS 82F/9

Latitude 49° 36' N Longitude 116° 07'W

Owner - Black Bull Resources Inc.
548 Beatty Street,
Vancouver, B.C.
V6B 2L3

Operator - Same as above.

Consultant - Anderson Minsearch Consultants Ltd.
3205 6th. St. South
Cranbrook, B.C.
VIC 6K1

Authors - Douglas Anderson, Geologist

Submitted - October 12, 1999

**GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT**

26,046

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BLACK BULL RESOURCES INC.

ASSESSMENT REPORT
GEOLOGICAL MAPPING and SOIL GEOCHEMICAL SURVEY

HORN PROPERTY

1.00 Introduction

The Horn property which is the subject of this report consists of a large block of contiguous claims situated in the St. Mary valley, centered about 20 kilometers southwest of Kimberley in the East Kootenay region of British Columbia. The claim block occurs mostly on the south side of the St. Mary river, forming an east-west block between Meachen creek and Pitt creek. Relief is modest on the east to rugged on the west, ranging from 900 metres ASL to over 2100 metres. The region has thick forest cover with a modest percentage of outcrop. Access is via two major roads from Highway 95A, the St. Mary Lake road or the River road which is a logging access road. These roads occur on the north and south sides of the St. Mary river respectively. The Angus and Hellroaring creek logging roads provide the secondary access onto tertiary logging roads to various points on the property. (See enclosed Index Map.)

1.10 Property Definition, History, Background Information

The part of the property of concern to this report includes:

<u>Horn Claim</u>	<u>Units</u>	<u>Record #</u>	<u>Anniv. Date</u>
1	1	212445	May 21/2000
2	1	212446	May 21/2000
3	1	212447	May 22/2000
4	1	212448	May 22/2000
5	1	212449	May 22/2000
6	1	212450	May 22/2000
7	1	212451	May 20/2000
8	1	212452	May 20/2000
9	1	212453	May 20/2000
10	1	212454	May 20/2000
11	1	212455	May 20/2000
12	1	212456	May 20/2000
13	1	212457	May 21/2000
14	1	212458	May 21/2000
15	1	212459	May 21/2000
16	12	212460	May 23/2000
17	20	212461	May 24/2000
18	1	212462	May 22/2000
19	1	212463	May 22/2000
20	1	212464	May 22/2000
21	5	212465	May 22/2000

<u>Horn Claim</u>	<u>Units</u>	<u>Record #</u>	<u>Anniv. Date</u>
22	20	300326	June 3/2000
23	18	300327	June 4/2000
24	12	300328	June 5/2004
25	20	300325	June 5/2000
29	1	300182	June 6/2000
30	1	300183	June 6/2000
31	1	300185	June 6/2000
32	1	300196	June 6/2000
33	1	300197	June 6/2000
34	1	300206	June 6/2000
35	1	300208	June 6/2000
36	1	300277	June 6/2000
39	1	302242	June 27/2000
40	1	302243	June 27/2000
45	1	302045	July 14/2000
46	1	302046	July 14/2000
47	1	302047	July 14/2000
48	1	302048	July 14/2000
49	1	302049	July 14/2000
50	1	302050	July 14/2000
51	1	302051	July 14/2000
52	1	302052	July 14/2000
53	1	302053	July 14/2000
54	1	302054	July 14/2000
55	1	302055	July 14/2000
56	1	302056	July 15/2000
57	1	302057	July 15/2000
58	1	302058	July 15/2000
59	1	302059	July 15/2000
60	1	302060	July 15/2000
61	1	302061	July 15/2000
62	1	302062	July 15/2000
63	1	302063	July 15/2000
64	1	302064	July 15/2000
65	1	302065	July 15/2000
66	1	302066	July 15/2000
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68	1	302068	July 15/2000
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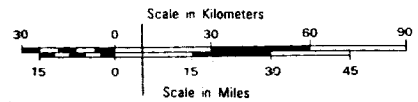
<u>Horn Claim</u>	<u>Units</u>	<u>Record #</u>	<u>Anniv. Date</u>
74	1	302074	July 16/2000
75	1	302075	July 16/2000
76	1	302076	July 16/2000
78	1	302078	July 16/2000
79	1	302079	July 16/2000
80	1	302080	July 16/2000
82	1	302082	July 16/2000
83	1	302083	July 16/2000
84	1	302084	July 16/2000
85	1	302085	July 16/2000
86	1	303015	Aug. 11/2000
87	1	303016	Aug. 11/2000
94	1	303023	Aug. 11/2000
96	1	303025	Aug. 13/2000
97	1	303026	Aug. 13/2000
98	1	303027	Aug. 13/2000
99	1	303028	Aug. 13/2000
100	1	303029	Aug. 13/2000
101	1	303030	Aug. 13/2000
102	1	305610	Oct. 21/99
103	1	305611	Oct. 21/99
104	1	305612	Oct. 17/99
105	1	305613	Oct. 17/99
106	1	305614	Oct. 17/99
107	1	305615	Oct. 17/99
108	1	305616	Oct. 17/99
109	1	305617	Oct. 17/99
110	1	305618	Oct. 17/99
111	1	305619	Oct. 17/99
112	1	305620	Oct. 21/99
113	1	305621	Oct. 21/99
114	8	303932	Sept. 10/2000
115	1	371211	Aug. 20/2000
116	1	371212	Aug. 20/2000
117	1	371213	Aug. 20/2000
118	1	371214	Aug. 20/2000
119	1	371215	Aug. 20/2000
120	1	371216	Aug. 20/2000
121	1	371217	Aug. 23/2000
122	1	371218	Aug. 23/2000
123	1	371219	Aug. 23/2000
124	1	371220	Aug. 23/2000
125	1	371221	Aug. 23/2000

<u>Horn Claim</u>	<u>Units</u>	<u>Record #</u>	<u>Anniv. Date</u>
126	1	371222	Aug. 23/2000
127	1	371223	Aug. 23/2000
128	1	371224	Aug. 23/2000
129	1	371225	Aug. 23/2000
130	1	371226	Aug. 23/2000
131	1	371227	Aug. 23/2000
132	1	371228	Aug. 23/2000
133	1	371229	Aug. 23/2000
134	1	371230	Aug. 20/2000
135	1	371231	Aug. 20/2000
136	1	371232	Aug. 20/2000
137	1	371233	Aug. 20/2000
138	1	371251	Aug. 20/2000
139	1	371252	Aug. 20/2000
140	1	371253	Aug. 20/2000
141	1	371254	Aug. 21/2000
142	1	371255	Aug. 21/2000
143	1	371256	Aug. 21/2000
144	1	371257	Aug. 23/2000
145	1	371258	Aug. 21/2000
146	1	371259	Aug. 21/2000
147	1	371260	Aug. 21/2000
148	1	371261	Aug. 21/2000
149	1	371262	Aug. 21/2000
Fecal 001	1	339840	Aug. 31/2001
Fecal 002	1	339841	Aug. 31/2001
Fecal 003	1	339842	Aug. 31/2001
Fecal 004	1	339843	Aug. 31/2001
Fecal 005	1	339844	Aug. 31/2001
Fecal 006	1	339845	Aug. 31/2001
Fecal 007	1	339846	Sept. 8/2001
Fecal 008	1	339847	Sept. 8/2001
Fecal 009	1	339848	Sept. 11/2001
Fecal 010	1	339849	Sept. 11/2001
Fecal 011	1	339850	Sept. 11/2001
Fecal 012	1	339851	Sept. 11/2001

The current owner is Black Bull Resources Inc. of Vancouver, who also own the adjoining Burn claims. The claims involved are shown on Figure 2.

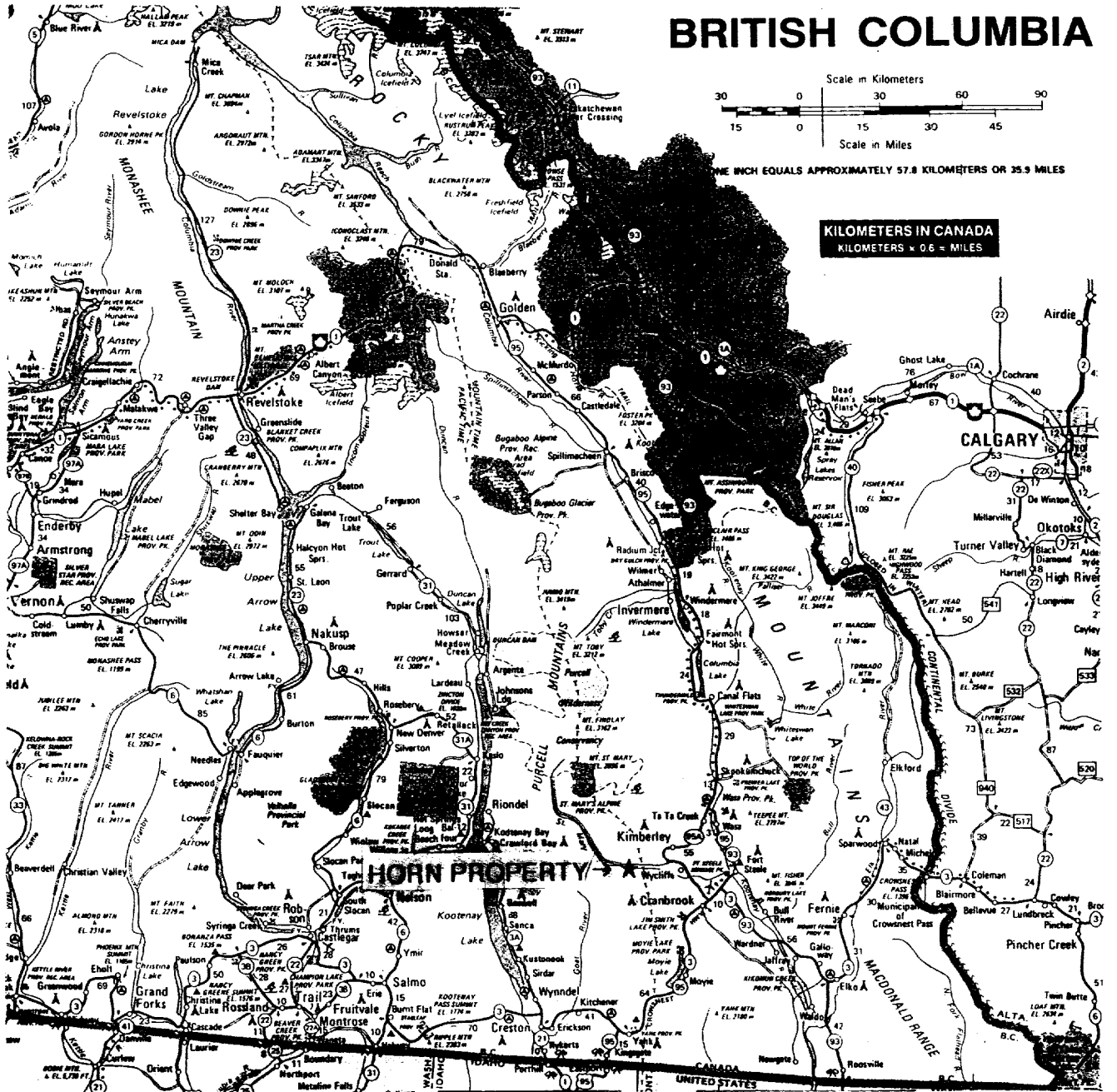
The earlier history of the general area is not well known. It involved the pursuit of several properties in the area as follows. The Dan Howe is a prospect on the north-facing slope above St. Mary Lake. A drift and crosscut (1930's) tested a lenticular quartz vein in

BRITISH COLUMBIA



ONE INCH EQUALS APPROXIMATELY 57.8 KILOMETERS OR 35.9 MILES

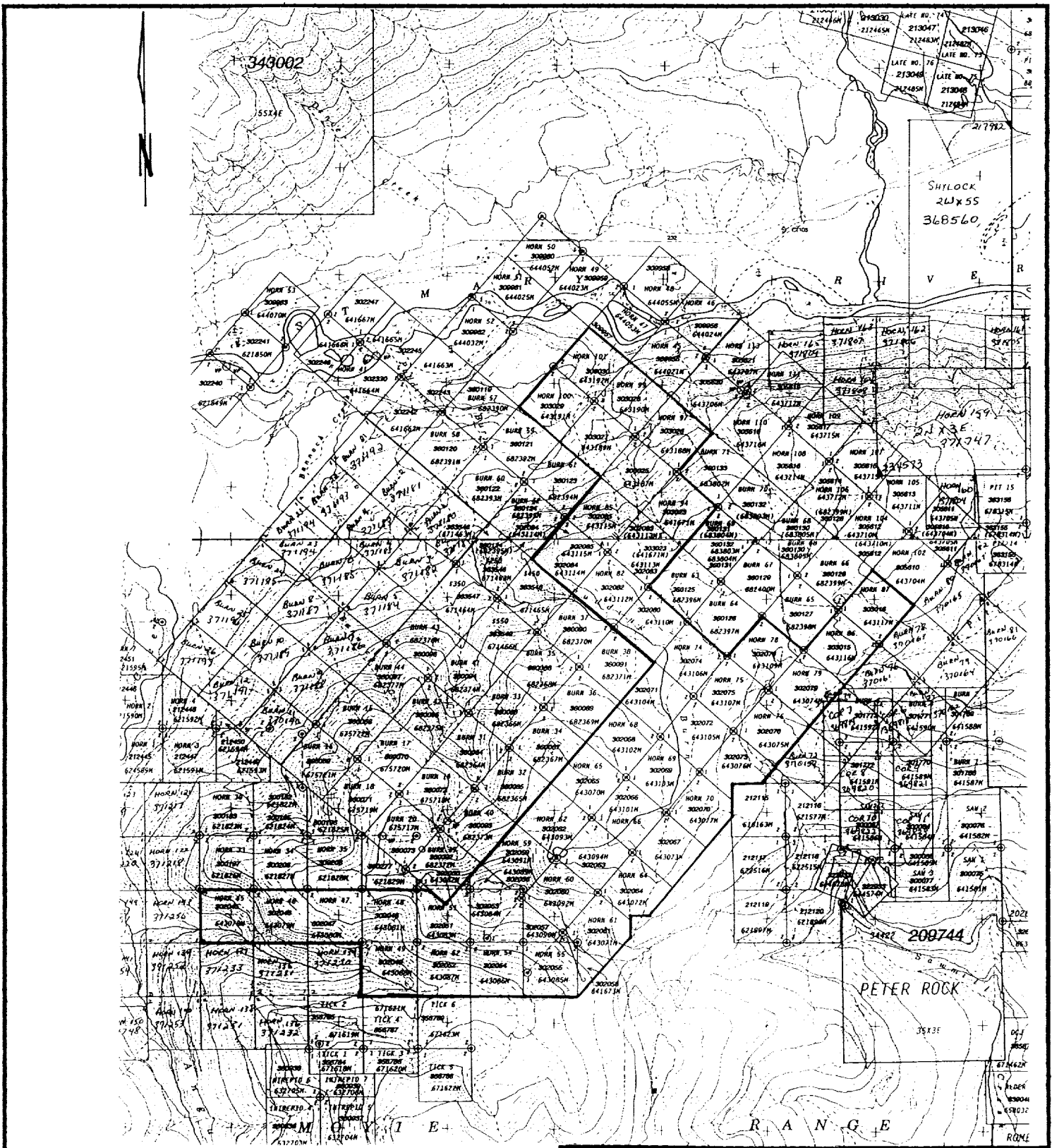
KILOMETERS IN CANADA
 KILOMETERS x 0.6 = MILES



HORN PROPERTY

PROPERTY LOCATION MAP

Scale: **As Shown** Date: **Jan/95** Plate: **1**



HORN PROPERTY

CLAIM MAP

NTS: 82F/09	FIGURE: 2
SCALE: As shown	

sheared sediments immediately beneath the contact with a gabbro sill. Present are pyrrhotite, galena, sphalerite and arsenopyrite. The Warhorse (Boyscout- 1920/30's) is a northwest-striking, southwest-dipping vein system in sheared sediments on the south side of Hellroaring Creek. It is tested on three levels with vein exposures ranging from 3 to 12 feet containing galena, sphalerite, pyrite, and arsenopyrite with some siderite in the quartz gangue. Minor gold values are indicated. One underground sample across 12 inches: 0.01 oz/t gold; 4.1 oz/t Ag; 15.8%Pb; and 8.5%Zn. This structural zone transects Aldridge sediments and pegmatites associated with the Hellroaring Creek stock.

This historical work and several recent projects highlighted in earlier reports involves principally the west side of the Horn property, not the subject area for this particular report. On the east there is little known early work in the area, the only known showing is the Cotnoir/Fors galena/sphalerite occurrence low down in Pitt creek, east of the map area. Recent exploration has been completed in the area between Pudding Burn and Pitt creeks. During the late 1980's into the early 1990's, intense exploration work was done by two companies. Consolidated Ramrod Gold completed mapping, a large soil geochem grid, some Utem geophysics surveying and fourteen drill holes in an area centered low down topographically and principally east of Pudding Burn creek. The presence of Pb/Zn mineralization in sediments within the Lower Aldridge was the main focus for the work. Beds and bands high in pyrrhotite, with erratic galena and sphalerite were defined. Working higher up topographically was Minnova, exploring roughly the same stratigraphy and also achieving similar results. Their program included Pulse EM and drilling of five holes. This accounts for the known work in the area of concern to this report.

1.20 Summary of Work Done

The 1999 exploration program on the Horn property now owned by Black Bull Resources, included geological mapping and a single soil geochem grid. The area with it's rough terrain, thick bush in places, and a general lack of outcrop means any thorough assessment requires intense investigation which is still lacking to date.

2.00 Geological Mapping

An initial program of mapping was undertaken to help evaluate the property. Mapping at 1:10,000 meant picking up all exposures in roadcuts and then traversing the area to provide a broad coverage of natural exposures. The mapping does not cover the entire eastern Horn property as it exists.

The Horn (Burn) property covers a broad stretch of lower stratigraphy in the Aldridge Formation together with extensive Moyie intrusions, juxtaposed against the major St. Mary reverse fault. The Aldridge is the oldest formation of the Proterozoic Belt-Purcell Supergroup. The Supergroup is a thick sequence of terrigenous clastic, carbonate, and minor volcanic rocks of Middle Proterozoic age. The basal Aldridge Formation, as exposed in Canada, is siliciclastic turbidites about 4000 meters thick. It is informally divided into the Lower, Middle, and Upper members. To the north and east in the basin, the Lower Aldridge, the base of which is not exposed, is about 1500 meters of rusty weathering (due to pyrrhotite), thin to medium bedded argillite, wacke and quartzitic

wacke generally interpreted as distal turbidites. The Sullivan orebody occurs at the top of this division. To the south and west in the basin in Canada, the upper part of the Lower Aldridge is dominated by grey weathering, medium to thick bedded quartz wackes considered to be proximal turbidites. The Lower Aldridge is commonly host to a proliferation of Moyie intrusions, principally as sills. The Middle Aldridge is about 2500 meters of grey to rusty weathering, dominantly medium bedded quartzitic wacke turbidites with periodic inter-turbidite intervals of thin bedded, rusty weathering argillites some of which form finely laminated marker beds (time stratigraphic units correlated over great distances within the Aldridge/Prichard basin). The Upper Aldridge is about 300 meters of thin bedded to laminated, rusty weathering, dark argillite and grey siltite often in couplet-style beds.

It should be noted that the 1999 mapping is incomplete, thereby limiting the coverage of available outcrops and imposing greater uncertainty on the geological interpretation. To add significantly to the interpretations would require more detailed and time consuming traversing in rugged terrain.

The St. Mary region is on the crest of the major Purcell Anticlinorium. The Horn property is underlain predominantly by fault segmented Lower Aldridge stratigraphy with its usual high percentage of Moyie intrusives. The major reverse fault forming the geological boundary to the south of the claims is the St. Mary fault which transects the area on a west-southwest trend.

The eastern portion of the Horn (Burn) claims has been discussed briefly in a previous assessment report for 1998 when a few days were spent on the property. This continuation of the work involved traversing to add to the early framework. The region is entirely within the Lower Aldridge which somewhat characteristically is intruded by numerous Moyie intrusions, principally as sills. The sediments are dominated by thin to medium bedded, pyrrhotite-bearing, wacke to quartzitic wacke distal turbidites. A higher grade of metamorphism and deformation can locally produce phyllitic rocks through to muscovite schists. There are areas with a predominance of quartzite in outcrop and talus, they may represent the footwall quartzite sequence present within the Sullivan Mine footwall stratigraphy but current thinking suggests they are not. The stratigraphic level through the property has not been determined because of poor outcrop, prolific intrusions, and the complex structural setting. More intensive study may provide better definition of the stratigraphy.

On the west side of the claims of concern to this report, the sedimentary/intrusive package is east-dipping with moderate dips yielding to steeper structure against a north-striking major fault which dips 60 to 70 degrees to the west. Up to 100 meters wide, this intense shear includes gabbro and albitized/chloritized sediments within and bounding the structure.

Central to the claims strikes are more east-west with modest dips either to the south or north.

Moving east the geology is dominated by a west-dipping panel of sediments and gabbro sills. This is bounded on the east by a major northeast-striking thrust fault. The majority of the claims being considered lie west of this fault and appear to form a broad syncline with a fold axis plunging to the northwest.

The most easterly claims are underlain by Middle Aldridge rocks east of the northeast-striking thrust fault and north of the St. Mary fault. Wedged between two major faults this panel is intensely deformed. Isoclinal folding dominates with northeast-trending fold axes and some overturned limbs documented. One major gabbro intrusion parallels the thrust fault. Sill-like in its distribution, it is likely cross-cutting in detail.

The Moyie intrusions are difficult to correlate through the area due to rugged terrain, a lack of outcrop, and folding of the entire package. The intrusions are dominantly dark green weathering, massive, fine through coarse crystalline gabbros dominated by hornblende and plagioclase. On the eastern and western extremities of the claims, one sill in particular has associated granofels. This is considered to be altered sediment bounding or internal to a gabbro sill. Also in evidence on a restricted basis is pegmatite (feldspar, muscovite, quartz, tourmaline) as small cross-cutting bodies or sill-like lenses. These units are considered part of the Proterozoic Hellroaring Creek Stock intrusive suite.

No significant sulfide accumulations were noted during this mapping.

3.00 GEOCHEMISTRY

A small soil geochem grid and a single line of contour soil geochem were completed over the south central portion of the Horn claim block. The grid included 165 samples collected from stations 100 meters apart on lines spaced 200 meters apart. The contour line done on the 2000 meter contour totalled 40 samples collected every 50 meters. Sampling in the field was done by digging to the B horizon soils (average depth 20 cm) and bagging in paper envelopes about 150 to 250 grams of soil. Rocks encountered in the sampling were limited to the Lower Aldridge type wackes and quartzitic wackes and gabbro material.

The analytical work was completed by Rossbacher Laboratories Ltd., 2225 Springer Ave., Burnaby, B.C. V5B 3N1. Soils analyzed were minus 80 mesh with lab preparation of samples including: taking a 0.5 gram sample, digesting it in a HCL-HNO₃-H₂O at 95 degrees C and then diluting to 10 ml with water. 29-element ICP was then performed. The process is only a partial leach for some elements but not for the base metals of prime interest in this survey.

The grid results are insignificant. A few Pb values above 30ppm occur but there is no clustering. The zinc values are low and uninteresting. The single contour line to the south does have elevated zinc above 120 ppm but only one spot sample significantly high. There are scattered anomalous values for copper, arsenic, and silver but again there are no indications of widespread mineralization.

4.00 SUMMARY AND CONCLUSIONS

A significant amount of geological data has been collected over the claims of concern and on those surrounding. It is impossible to separate comments and make them strictly applicable to the claims with assessment due at this time, so overlap will occur with later reports. Due to the rugged topography, structure, lack of outcrop and volumetrically high intrusion percentage, it is difficult to correlate or extrapolate the geology for any distance. Lower Aldridge sediments dominate but are lacking "markers" to help establish the stratigraphy. Gabbro sills are very common but their distribution is

still poorly defined. No "Sullivan Indicators", ie. features associated with the Sullivan orebody and considered important in it's formation, have been located on the claims under discussion. Two major faults have been mapped, both are thought to be steep-dipping thrust faults. Both have considerable alteration along them as albite and chlorite alteration of the sediments. There are a variety of intrusions including the Moyie gabbros, granitic pegmatites, and granofels noted in two localities fringing the claims.

The soil geochem results are not encouraging. Although it is wide-spaced sampling on the grid, the Pb and Zn values are low and do not justify intensifying the coverage. The single contour line to the south has some elevated Zn values but the results don't stand alone as significant.

5.00 ITEMIZED COST STATEMENT

Geological Consultant	14 days @ \$330/day mapping	\$ 4,620.00
	3 days @ \$330/day report writing	990.00
	Transportation 14 days @ \$100/day	1,400.00
Geochem Survey Contractor	205 samples collected	1,230.50
Assays - Rossbacher Laboratory	205 sample @ \$6.00/samples	1,230.00
	Freight	29.92
Map Preparation - AutoCad drawing	16 hrs. X \$25/hr	400.00
Clerical Services - type, assemble, deliver		<u>100.00</u>
	TOTAL =	\$10,000.42

6.00 AUTHOR'S QUALIFICATIONS

I, Douglas Anderson, Consulting Geological Engineer, have my office at 3205 6th. St. South in Cranbrook, B.C., V1C 6K1.

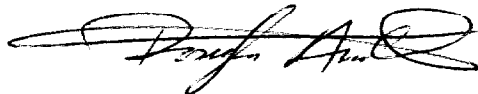
I graduated from the University of British Columbia in 1969 with a Bachelor of Applied Science in Geological Engineering.

I have practiced my profession since 1969, predominantly with one large mining company, in a number of capacities all over Western Canada.

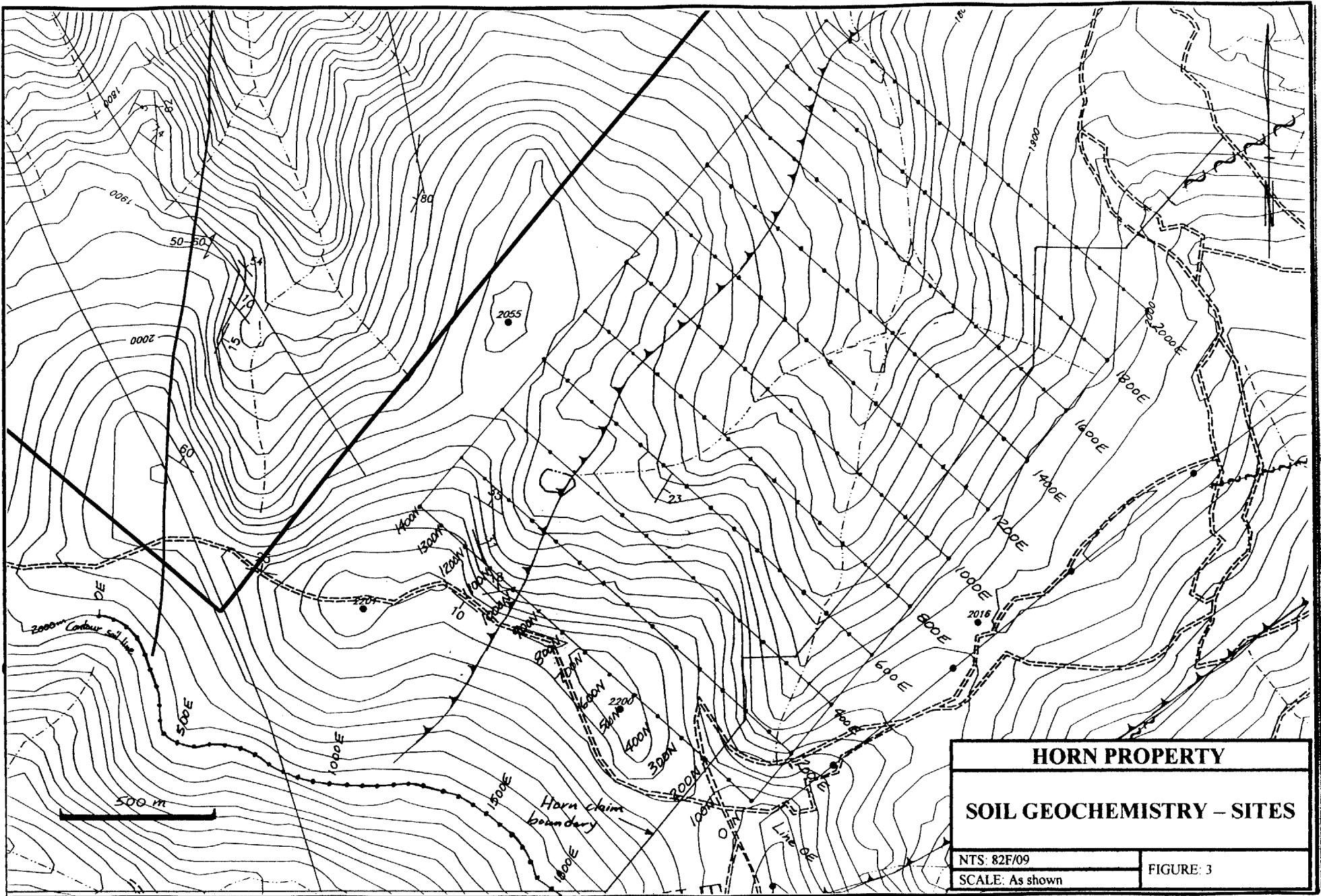
I am a Registered Professional Engineer and member of the Association of Professional Engineers and Geoscientists of B.C., and I am authorized to use their seal which has been affixed to this report.

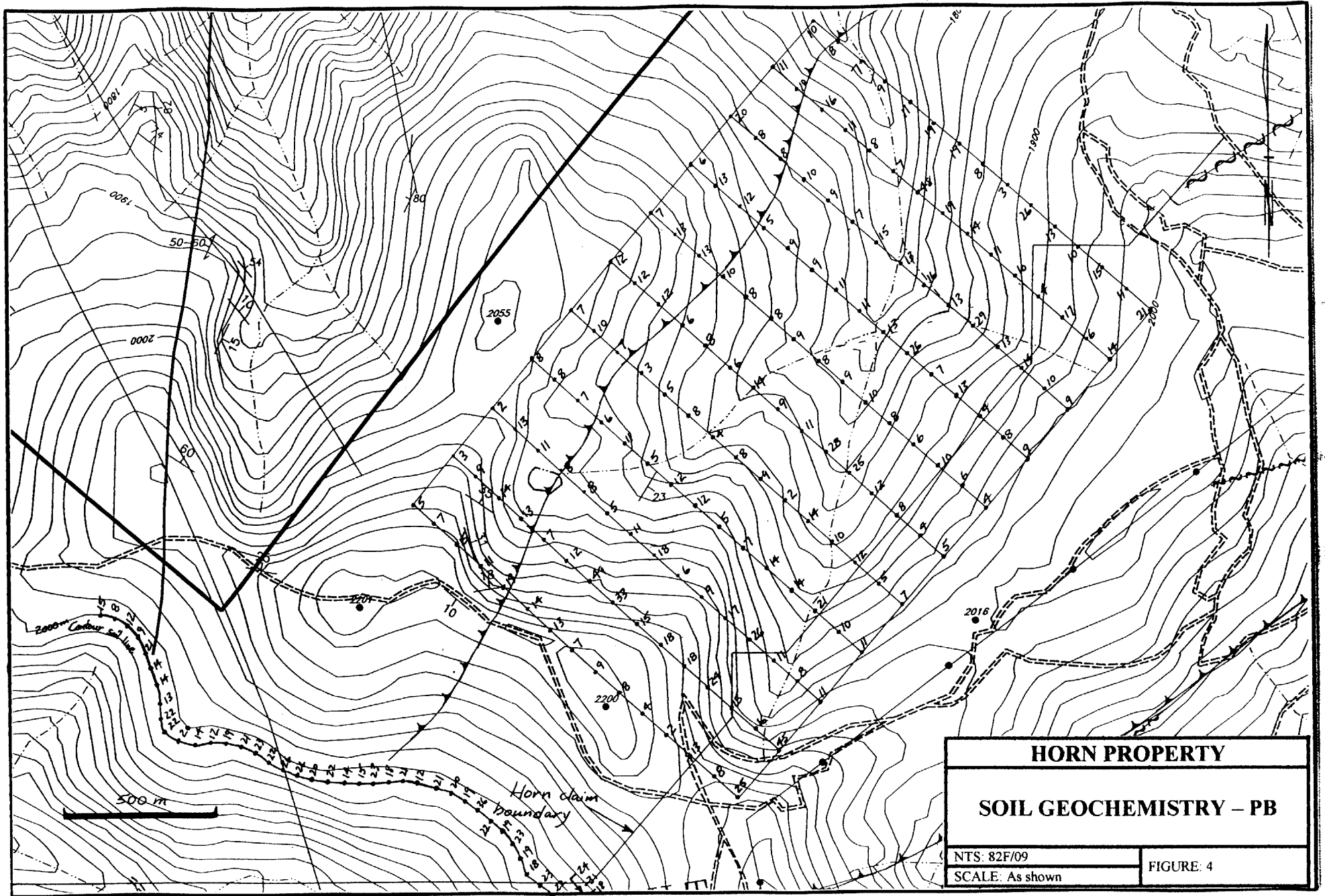
I am also a Fellow of the Geological Association of Canada.

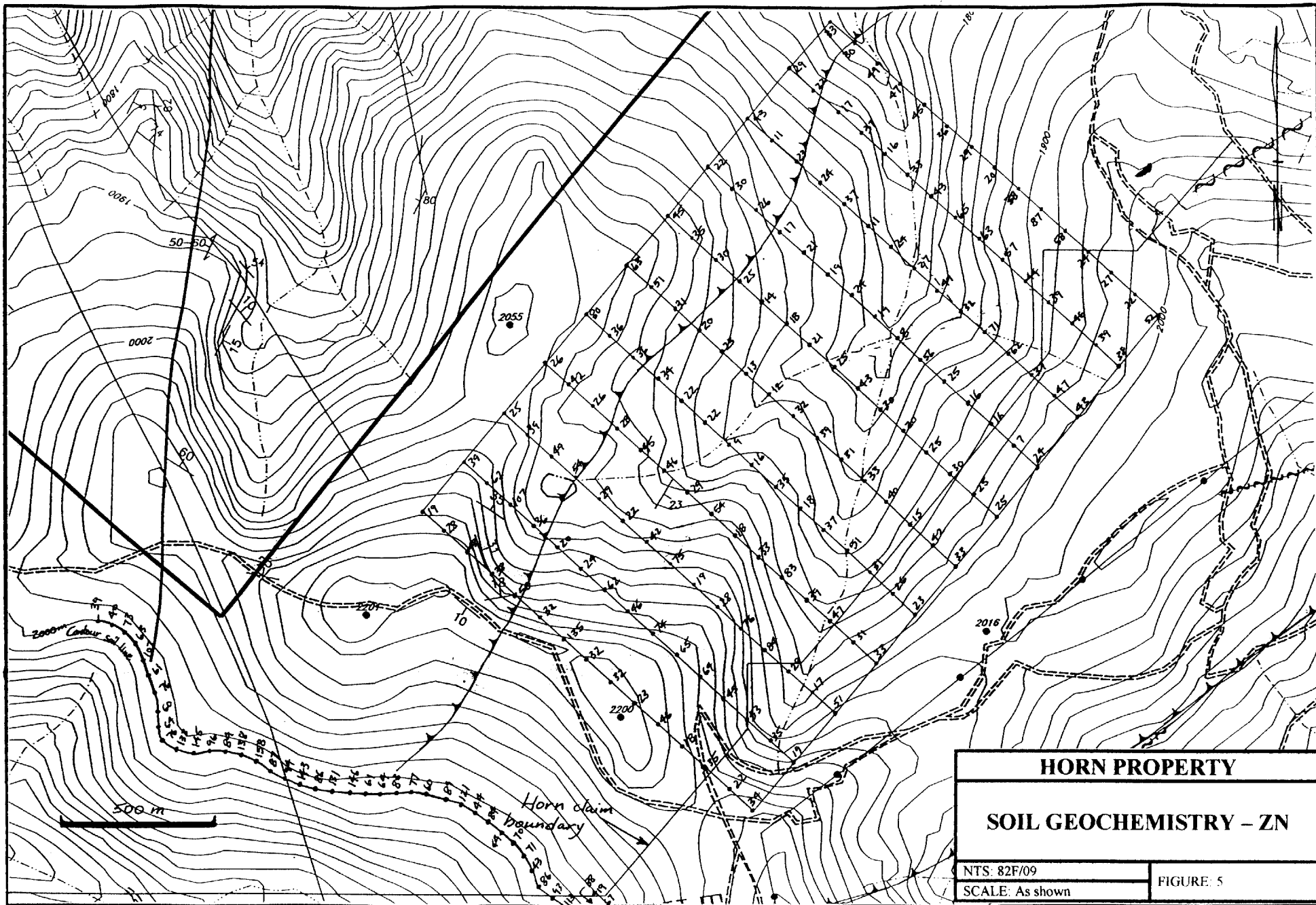
Dated this 12th day of October, 1999

A handwritten signature in black ink, appearing to read 'Douglas Anderson', written in a cursive style.

Douglas Anderson, P.Eng., B.A.Sc., FGAC
Consulting Geological Engineer







ROSSEACHER LABORATORY LTD.
2225 SPRINGER AVENUE
BURNABY, B.C.
V5B 3N1

To: Super group Holdings Ltd.
1808-13th Ave South
Cranbrook, B.C.

Attention: Dave Pighin
Project: Horn

Cart#: 98450
99-08-14
Soil

Appendix A

CERTIFICATE OF ANALYSIS:

ICP32

Sample Name	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	Str	Ti	V	W	Zn
LOE 0N	.3	1.99	13	28	.2	<.3	.03	.7	2	7	15	2.11	.03	11	.09	75	3	<.01	4	638	25	7	<.5	.03	5	.08	57	<.2	34
LOE 100N	.2	2.43	14	33	.4	<.3	.08	<.5	4	16	17	1.24	.03	2	.09	120	1	.02	5	558	8	<.2	<.5	.03	3	.08	21	<.2	22
LOE 200N	.2	1.76	2	54	.3	<.3	.05	<.5	2	8	18	1.73	.03	7	.13	88	1	.01	6	442	13	3	<.5	.04	7	.08	30	<.2	35
LOE 300N	1.0	4.04	15	28	.6	<.3	.04	.4	2	2	20	1.88	.02	4	.05	183	1	.02	4	1030	2	<.2	<.5	.03	6	.11	26	<.2	18
LOE 400N	.2	3.95	3	60	.5	<.3	.04	.6	8	14	32	1.75	.03	2	.08	130	1	.02	10	785	4	3	<.5	.05	6	.11	25	<.2	46
LOE 500N	.2	1.17	6	31	.2	<.3	.02	<.5	2	14	18	1.18	.03	8	.09	64	1	.01	5	448	8	<.2	<.5	.03	4	.09	28	<.2	23
LOE 600N	.8	4.07	9	36	.6	<.3	.05	.7	4	3	26	1.46	.05	4	.08	321	1	.02	5	898	9	<.2	<.5	.03	6	.12	22	<.2	32
LOE 700N	.2	2.57	17	48	.4	<.3	.02	<.5	3	10	19	1.55	.04	6	.12	124	1	.02	8	817	7	3	<.5	.06	8	.07	21	<.2	32
LOE 800N	.2	1.76	5	49	.5	<.3	.03	.8	6	14	21	2.35	.07	16	.43	177	1	.01	15	472	13	<.2	<.5	.05	6	.07	27	<.2	136
LOE 900N	.2	1.22	10	34	.3	<.3	.02	<.5	2	8	34	3.90	.08	6	.20	137	3	.01	6	471	14	5	<.5	.04	5	.12	33	<.2	52
LOE 1000N	.2	1.05	20	33	.3	<.3	.02	<.5	3	7	24	2.75	.04	7	.19	130	5	.01	6	458	19	3	<.5	.05	4	.08	28	<.2	50
LOE 1100N	.2	1.57	5	40	.4	<.3	.04	<.5	6	14	16	2.22	.05	4	.53	217	1	.01	13	352	11	4	<.5	.03	5	.10	39	<.2	39
LOE 1200N	.3	1.23	28	28	.7	<.3	.04	<.5	19	17	40	4.04	.04	14	.39	470	2	<.01	26	433	15	7	<.5	.03	5	.07	40	<.2	48
LOE 1300N	.2	2.09	13	27	.4	<.3	.02	<.5	3	11	18	1.54	.03	5	.12	85	1	.01	8	594	7	<.2	<.5	.03	5	.09	24	<.2	28
LOE 1400N	.2	2.45	12	27	.4	<.3	.03	<.5	2	5	15	1.33	.03	1	.08	83	1	.02	4	828	5	<.2	<.5	.03	6	.10	22	<.2	19
L100E0N	2.8	2.74	15	29	.3	<.3	.03	<.5	2	7	18	2.16	.02	<.1	.06	72	1	.02	2	784	45	<.2	<.5	.03	5	.09	31	<.2	19
L100E100N	.3	1.17	7	31	.2	<.3	.03	<.5	3	16	16	2.25	.04	8	.15	82	1	.01	3	418	16	<.2	<.5	.05	4	.08	33	<.2	35
L100E200N	.2	1.83	15	41	.4	<.3	.05	<.5	7	20	30	2.23	.05	7	.31	201	1	.01	18	1635	15	<.2	<.5	.04	6	.09	33	<.2	53
L100E300N	.2	1.78	3	33	.4	<.3	.08	<.5	5	32	25	2.11	.05	9	.30	98	1	.02	14	1070	24	<.2	<.5	.03	8	.08	31	<.2	45
L100E400N	.2	2.06	10	49	.4	<.3	.08	<.5	13	30	39	2.32	.04	8	.59	234	1	.01	27	510	18	9	<.5	.04	5	.09	39	<.2	64
L100E500N	.2	1.94	12	50	.6	<.3	.05	1.0	6	17	32	2.02	.05	10	.40	189	1	.01	15	639	18	7	<.5	.03	7	.09	27	<.2	65
L100E600N	.2	2.44	14	38	.5	<.3	.04	<.5	3	6	19	2.20	.04	4	.14	86	1	.02	8	857	15	7	<.5	.05	7	.12	35	<.2	74
L100E700N	.4	1.58	12	31	.3	<.3	.03	<.5	4	7	17	1.90	.04	8	.15	67	1	.02	7	532	33	<.2	<.5	.03	5	.08	32	<.2	46
L100E800N	.2	1.85	18	41	.5	<.3	.03	.8	8	20	25	2.88	.04	16	.51	132	1	.01	16	361	49	6	<.5	.03	6	.06	32	<.2	82
L100E900N	.2	2.04	8	30	.3	<.3	.02	<.5	2	1	18	1.90	.03	1	.10	58	1	.02	4	401	12	<.2	<.5	.05	5	.13	33	<.2	24
L100E1000N	.2	1.88	10	33	.3	<.3	.05	<.5	4	3	17	1.32	.05	7	.08	90	1	.02	4	365	7	4	<.5	.05	5	.08	24	<.2	20
L100E1100N	.2	.82	13	29	.2	<.5	.04	<.5	3	9	14	1.74	.06	9	.33	108	1	<.01	7	236	13	8	<.5	.03	6	.10	33	<.2	36
L100E1200N	.2	1.83	17	42	.7	<.3	.04	.9	14	21	33	2.87	.05	12	.44	228	2	.01	35	805	14	8	<.5	.03	6	.09	35	<.2	57
L100E1300N	.2	1.69	5	50	.5	<.3	.11	.7	10	33	22	1.89	.05	10	.29	183	1	.01	27	282	9	<.2	<.5	.03	10	.07	28	<.2	62
L100E1400N	.2	3.28	13	37	.5	<.3	.03	<.5	3	9	21	2.15	.05	5	.13	88	1	.02	6	817	3	2	<.5	.03	8	.12	31	<.2	39
L200E0N	.2	1.74	<.2	41	.3	<.3	.05	<.5	12	18	25	2.40	.03	7	.25	148	1	<.01	11	343	11	<.2	<.5	.03	5	.08	45	<.2	54
L200E100N	.2	1.40	8	30	.2	<.3	.02	<.5	2	7	10	.98	.02	4	.05	36	1	.01	2	182	8	<.2	<.5	.03	5	.07	17	<.2	17
L200E200N	.2	1.34	6	31	.2	<.5	.04	<.5	2	5	17	1.55	.03	<.1	.07	103	1	.02	5	1922	11	9	<.5	.05	5	.12	31	<.2	29
L200E300N	.2	2.40	6	35	.5	<.5	.04	<.5	6	7	22	1.95	.05	<.1	.13	134	1	.02	9	2172	28	<.2	<.5	.03	6	.13	34	<.2	34
L200E400N	.2	1.85	4	57	.4	<.3	.18	.8	17	23	55	2.87	.05	6	.61	389	2	.02	28	559	17	8	<.5	.04	13	.12	65	<.2	76
L200E500N	.2	1.87	6	39	.3	<.5	.05	.6	4	20	19	1.36	.03	3	.09	186	1	.02	6	536	9	<.2	<.5	.03	5	.08	28	<.2	28
L200E600N	.8	4.09	5	23	.6	<.3	.04	<.5	2	18	20	1.60	.02	<.1	.05	55	1	.03	8	1103	8	9	<.5	.02	6	.10	22	<.2	18
L200E700N	.2	2.72	19	41	.8	<.3	.04	.9	6	24	19	2.82	.06	11	.39	188	1	<.01	15	955	18	5	<.5	.03	5	.08	29	<.2	75
L200E800N	.2	1.58	8	33	.3	<.3	.03	<.5	4	26	15	1.99	.03	8	.59	129	1	.01	13	285	11	<.2	<.5	.04	5	.05	26	<.2	42
L200E900N	.2	1.03	8	28	.2	<.3	.04	.5	2	21	8	.92	.03	5	.16	49	1	.02	5	280	5	<.2	<.5	.05	4	.07	15	<.2	22

ROSSBACHER LABORATORY LTD.
 7225 SPRINGER AVENUE
 BURNABY, B.C.
 V5B 3N1

To: Super group Holdings Ltd.
 1805-13th Ave South
 Cranbrook, B.C.

Attention: Dave Pighin
 Project: Horn

Cert# 99450
 98-08-14
 Soil

ICP32

CERTIFICATE OF ANALYSIS:

Sample Name	Ag	Al	As	Ba	Ba	Bi	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Nb	Ni	P	Pb	SD	Se	Si	Sr	Ti	V	W	Zn	
L200E1000N	3	5.24	11	37	.7	<.3	.02	<.5	5	14	15	1.45	.02	2	.07	68	1	.02	8	833	8	3	<.5	.03	5	.09	21	<.2	29
L200E1100N	2	1.65	11	29	.5	<.3	.07	<.5	10	44	33	2.50	.08	14	.65	222	1	<.01	28	320	8	8	<.5	.04	9	.90	31	<.2	54
L200E1200N	2	1.07	<.2	38	.3	<.3	.04	<.5	2	24	9	1.40	.03	5	.11	53	1	.02	8	1288	11	<.2	<.5	.04	5	.08	23	<.2	49
L200F1300N	2	.99	9	28	.3	<.3	.03	.5	5	25	10	1.54	.03	4	.31	110	1	<.01	10	399	15	<.2	<.5	.03	5	.06	22	<.2	59
L200E1400N	2	2.58	8	38	.5	<.3	.03	<.5	3	24	17	1.47	.02	4	.15	89	1	.02	8	452	2	<.2	<.5	.03	6	.08	22	<.2	25
L400E0N	3	3.00	8	43	.6	<.3	.04	<.5	4	34	26	1.69	.03	4	.13	73	1	.02	8	654	11	<.2	<.5	.03	5	.11	27	<.2	33
L400E100N	4	2.51	16	41	.5	<.3	.05	<.5	7	52	26	2.31	.03	4	.38	162	1	.02	15	954	10	3	<.5	.04	6	.07	35	<.2	31
L400E200N	1.1	2.96	12	65	.7	<.3	.04	<.5	6	18	27	2.09	.03	5	.13	97	1	.02	7	744	21	<.2	<.5	.03	6	.08	31	<.2	47
L400E300N	2	2.03	6	38	.4	<.3	.05	<.5	4	23	18	1.78	.03	8	.15	119	1	.01	6	444	14	6	<.5	.04	7	.07	31	<.2	39
L400E400N	2	1.71	12	45	.4	<.3	.14	<.5	10	41	34	2.65	.04	10	.71	202	1	.01	21	456	14	2	<.5	.04	10	.07	44	<.2	63
L400E500N	2	3.88	4	50	.7	<.3	.04	.7	4	20	23	1.94	.03	<.1	.06	209	1	.02	8	1278	7	3	<.5	.03	7	.13	32	<.2	33
L400E600N	2	2.02	7	54	.4	<.3	.04	<.5	3	27	18	1.38	.02	1	.06	38	1	.02	8	843	6	<.2	<.5	.03	8	.09	27	<.2	18
L400E700N	2	1.59	5	35	.4	<.3	.05	<.5	7	53	19	2.71	.05	11	.53	153	1	<.01	16	691	12	4	<.5	.04	7	.05	32	<.2	54
L400E800N	2	1.35	6	40	.3	<.3	.11	<.5	5	38	13	1.47	.03	10	.42	95	1	.01	12	20	12	<.2	<.5	.04	11	.07	23	<.2	29
L400E900N	2	1.37	4	58	.4	<.3	.04	<.5	7	23	17	1.50	.03	14	.28	106	1	<.01	15	480	3	<.2	<.5	.03	6	.06	19	<.2	46
L400E1000N	2	1.32	6	35	.5	<.3	.06	.5	7	31	14	2.20	.04	10	.38	98	1	<.01	14	873	11	<.2	<.5	.03	8	.06	27	<.2	45
L400E1100N	2	1.65	8	35	.4	<.3	.04	<.5	3	18	13	1.78	.02	8	.21	79	1	<.01	8	745	6	<.2	<.5	.04	7	.07	28	<.2	28
L400E1200N	2	2.21	10	32	.5	<.3	.05	.8	7	31	18	2.23	.02	5	.32	97	1	.01	14	854	7	4	<.5	.03	7	.08	34	<.2	28
L400E1300N	2	2.39	8	37	.5	<.3	.06	<.5	9	23	30	2.00	.04	7	.24	124	2	.02	16	832	8	<.2	<.5	.04	7	.08	27	<.2	42
L400E1400N	2	3.78	10	49	.8	<.3	.03	<.5	2	18	19	2.01	.02	3	.07	53	1	.02	4	1200	8	<.2	<.5	.04	8	.12	29	<.2	26
L500E0N	2	2.82	14	41	.4	<.3	.03	.5	4	16	23	2.17	.02	3	.07	71	1	.02	6	920	7	<.2	<.5	.04	7	.13	37	<.2	23
L500E100N	2	2.58	4	37	.5	<.3	.04	<.5	4	32	16	2.17	.03	3	.18	97	1	.02	8	1958	3	3	<.5	.03	6	.11	32	<.2	28
L500E200N	2	1.55	6	41	.4	<.3	.06	<.5	3	15	13	2.23	.03	8	.25	92	1	.01	8	557	12	<.2	<.5	.04	7	.08	38	<.2	31
L500E300N	2	2.82	21	46	.3	<.3	.06	<.5	5	20	23	2.46	.03	4	.22	113	1	.02	11	1083	10	<.2	<.5	.04	7	.08	39	<.2	51
L500E400N	2	1.26	12	42	.3	<.3	.08	.7	5	21	17	1.88	.02	6	.20	88	1	.02	7	782	14	<.2	<.5	.04	7	.07	34	<.2	37
L500E500N	3	3.88	13	34	.3	<.3	.03	<.5	2	7	17	1.88	.01	2	.05	28	1	.02	3	1005	2	3	<.5	.03	6	.11	30	<.2	18
L500E600N	2	3.27	12	43	.5	<.3	.05	<.5	3	17	22	2.33	.02	<.1	.23	85	1	.02	11	1416	9	7	<.5	.03	8	.14	38	<.2	35
L500E700N	6	5.97	30	29	.6	<.3	.04	.6	2	55	18	3.07	.02	<.1	.04	74	2	.02	4	3877	8	<.2	<.5	.03	8	.15	50	<.2	16
L500E800N	2	2.18	10	38	.3	<.3	.03	.8	2	19	10	1.11	.02	3	.08	21	1	.01	4	<.10	4	<.2	<.5	.03	4	.07	24	<.2	9
L500E900N	2	1.12	7	22	.4	<.3	.09	.7	8	37	18	2.22	.02	6	.05	146	1	<.01	24	460	8	5	<.5	.03	8	.07	41	<.2	22
L500E1000N	2	1.30	<.2	29	.5	<.3	.13	<.5	7	28	18	1.42	.02	10	.39	208	1	.02	17	248	3	2	<.5	.03	11	.07	33	<.2	22
L500E1100N	2	3.09	4	53	.7	<.3	.08	<.5	8	13	38	1.79	.03	6	.38	123	1	.02	18	757	3	10	<.5	.04	7	.11	30	<.2	34
L500E1200N	2	1.65	7	44	.4	<.3	.07	<.5	9	13	29	1.76	.02	3	.24	474	1	.01	13	363	7	<.2	<.5	.04	7	.08	34	<.2	38
L500E1300N	2	1.45	<.2	47	.4	<.3	.08	<.5	10	42	37	2.01	.03	6	.48	288	2	.01	21	259	10	<.2	<.5	.04	9	.08	39	<.2	36
L500E1400N	2	4.01	14	93	.8	<.3	.08	1.0	8	23	86	1.77	.03	4	.14	1197	2	.02	17	1382	7	<.2	<.5	.04	10	.17	30	<.2	80
L600E0N	6	2.19	10	33	.4	<.3	.08	.6	12	68	32	2.78	.02	5	.34	246	1	.01	21	482	5	7	<.5	.04	5	.10	31	<.2	33
L600E100N	2	2.44	7	46	.4	<.3	.08	.6	10	67	23	3.08	.03	8	.38	336	1	.01	17	882	4	<.2	<.5	.04	6	.09	30	<.2	42
L600E200N	2	2.28	8	41	.6	<.3	.14	<.5	5	25	15	2.39	.03	8	.13	87	2	.03	6	1331	8	<.2	<.5	.04	11	.13	28	<.2	15
L600E300N	3	1.94	9	30	.5	<.3	.25	<.5	7	29	21	2.83	.04	9	.57	375	3	.02	13	682	12	<.2	<.5	.04	15	.08	45	<.2	40
L600E400N	4	2.26	7	64	.8	<.3	.31	<.5	10	28	22	3.01	.04	12	.38	333	1	.04	14	834	25	7	<.5	.04	17	.12	43	<.2	53

ROSSBACHER LABORATORY LTD.
 2225 SPRINGER AVENUE
 BURNABY, B.C.
 V5B 3N1

To: Super group Holdings Ltd.
 1805-13th Ave South
 Cranbrook, B.C.
 Attention: Dave Pighin
 Project: Horn

Cert# 99450
 99-05-14
 Soil

CERTIFICATE OF ANALYSIS:

ICP32

Sample Name	Ag	Al	As	Ba	Be	Bi	Cd	Ce	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Nb	Ni	P	Pb	Sb	Se	Si	Sr	Ti	V	W	Zn
L600E500N	2	1.54	8	78	.3	<3	.23	<.5	5	13	13	1.43	.04	4	.24	109	2	.05	8	87	28	<2	<5	.04	10	.11	.29	<2	31
L800E600N	2	2.33	<2	42	.5	<3	.07	.8	6	20	23	2.89	.08	3	.27	257	1	.02	11	1525	11	<2	<5	.04	4	.08	.46	<2	39
L800E700N	2	1.20	<2	30	.4	<3	.06	<.5	7	25	22	2.15	.05	10	.46	118	1	.01	14	360	9	<2	<5	.04	5	.08	.31	<2	32
L800E800N	2	1.58	<2	86	.4	<3	.07	<.5	6	11	16	.87	.02	2	.10	35	1	.02	11	<10	14	<2	<5	.04	7	.16	.17	<2	12
L600E900N	5	2.80	3	48	.7	<3	.10	<.5	8	25	19	2.11	.02	8	.19	68	2	.01	14	517	6	<2	<5	.03	7	.11	.33	<2	13
L600E1000N	2	.91	<2	23	.2	<3	.11	<.5	7	13	18	1.80	.02	8	.26	92	1	<.01	14	173	8	3	<5	.03	4	.07	.56	<2	23
L600E1100N	6	4.02	22	39	.8	<3	.05	<.5	6	4	18	1.56	.02	2	.06	79	2	.02	15	1948	6	3	<5	.04	5	.12	.26	<2	20
L600E1200N	2	1.93	16	45	.5	<3	.11	.9	9	14	52	2.21	.04	9	.47	139	1	.01	21	376	12	5	<5	.06	9	.09	.48	<2	31
L600E1300N	2	1.88	8	93	.6	<3	.07	<.5	9	17	28	2.29	.04	12	.41	195	1	.02	21	566	12	<2	<5	.03	6	.08	.29	<2	51
L600E1400N	2	3.03	16	48	.6	<3	.03	.7	7	11	22	2.05	.03	3	.18	149	2	.01	9	949	12	<2	<5	.04	2	.09	.27	<2	63
L700E0N	2	1.58	6	26	.4	<3	.05	<.5	7	18	17	2.75	.02	9	.34	107	1	<.01	12	908	4	4	<5	.04	<1	.07	.37	<2	25
L700E100N	2	1.37	3	40	.3	<3	.03	<.5	6	12	17	1.85	.02	11	.25	84	1	.01	10	724	6	<2	<5	.04	<1	.04	.23	<2	25
L700E200N	2	2.88	5	49	.6	<3	.03	<.9	6	13	16	1.56	.02	7	.12	110	1	.02	7	887	10	<2	<5	.03	<1	.10	.24	<2	30
L700E300N	2	1.97	11	29	.4	<3	.08	<.5	6	20	13	2.26	.03	5	.16	90	1	.02	6	1632	8	2	<5	.04	3	.09	.31	<2	25
L700E400N	4	3.49	5	40	.6	<3	.08	1.0	4	11	14	2.83	.02	5	.09	82	1	.02	5	8078	8	<2	<5	.04	6	.14	.52	<2	30
L700E500N	2	1.28	2	27	.5	7	.21	.7	14	16	23	4.73	.02	5	.57	236	1	.02	10	839	10	7	<5	.03	7	.13	.80	5	30
L700E600N	2	2.82	15	45	.7	<3	.11	.6	9	1	18	3.37	.03	7	.26	164	2	.02	8	1814	9	<2	<5	.04	7	.12	.48	<2	43
L700E700N	2	3.13	8	44	.7	<3	.04	.8	5	25	29	2.27	.02	3	.14	74	2	.02	7	1008	8	<2	<5	.04	4	.12	.30	<2	25
L700E800N	2	1.27	7	37	.3	<3	.12	<.5	7	27	22	1.75	.02	11	.40	120	1	<.01	15	<10	9	7	<5	.03	6	.08	.30	<2	21
L700E900N	2	1.53	14	45	.4	<3	.05	<.5	5	35	17	1.91	.02	7	.31	85	2	<.01	13	157	8	<2	<5	.03	4	.06	.34	<2	18
L700E1000N	2	.75	8	23	.2	<3	.09	<.5	4	21	11	.96	.02	6	.20	87	1	.01	8	173	8	3	<5	.04	5	.08	.25	<2	14
L700E1100N	2	1.55	<2	43	.6	<3	.10	.8	9	30	23	1.76	.02	11	.44	113	1	.01	20	18	10	5	<5	.04	8	.06	.37	<2	25
L700E1200N	5	1.88	8	44	.5	<3	.04	.7	8	28	34	2.35	.02	10	.33	118	1	<.01	19	604	13	2	<5	.03	5	.06	.33	<2	50
L700E1300N	2	1.80	4	54	.5	<3	.04	<.5	8	17	18	1.87	.03	9	.27	172	1	.01	15	299	13	3	<5	.04	5	.07	.28	<2	35
L700E1400N	2	2.46	8	59	.8	<3	.05	.8	10	20	21	1.89	.04	12	.32	229	1	.02	14	1002	7	<2	<5	.04	6	.07	.22	<2	45
L800E0N	2	1.59	11	61	.6	<3	.08	.5	8	45	35	2.05	.03	10	.43	140	1	.01	16	345	9	<2	<5	.04	7	.08	.37	<2	24
L800E100N	2	2.87	16	45	.6	<3	.04	<.5	3	15	13	1.68	.01	3	.05	33	1	.02	3	1407	8	<2	<5	.04	4	.13	.27	<2	7
L800E200N	2	2.77	8	30	.6	<3	.04	<.5	7	19	20	1.55	.02	6	.15	67	1	.02	9	1099	4	<2	<5	.03	4	.09	.25	<2	16
L800E300N	4	2.79	10	42	.7	<3	.08	1.0	6	28	18	2.81	.02	6	.22	115	1	.02	7	1789	13	6	<5	.08	5	.10	.33	<2	16
L800E400N	4	1.60	7	42	.4	<3	.28	.5	9	23	15	2.79	.02	14	.62	298	1	.02	11	585	7	9	<5	.04	9	.11	.42	<2	25
L800E500N	2	1.81	<2	79	.5	<3	.17	.7	9	13	21	2.54	.04	10	.46	165	2	.02	15	233	28	<2	<5	.04	9	.08	.48	<2	58
L800E600N	7	3.46	15	38	.9	<3	.85	.7	6	20	21	1.88	.03	17	.06	86	1	.04	5	560	13	6	<5	.03	20	.19	.33	<2	8
L800E700N	2	1.25	<2	39	.4	<3	.28	.9	10	20	22	2.16	.02	14	.62	309	1	.02	14	802	11	<2	<5	.04	8	.05	.30	<2	19
L800E800N	3	2.91	12	45	.7	<3	.08	1.0	6	24	43	2.04	.02	4	.15	68	2	.02	13	1936	11	<2	<5	.03	8	.11	.39	<2	24
L800E900N	2	.96	<2	31	.3	<3	.12	<.5	8	24	16	1.25	.02	8	.35	84	1	<.01	10	98	9	3	<5	.03	7	.07	.22	<2	19
L800E1000N	2	1.51	<2	36	.3	<3	.05	.9	5	26	15	1.59	.03	9	.42	95	3	<.01	14	45	9	5	<5	.04	3	.06	.31	<2	21
L800E1100N	3	.86	3	29	.3	3	.17	<.5	10	22	18	1.74	.02	5	.34	114	1	.01	13	290	3	<2	<5	.04	7	.08	.33	<2	17
L800E1200N	2	1.60	10	50	.5	<3	.08	.7	7	26	23	2.80	.03	11	.48	120	2	.01	15	219	12	4	<5	.04	5	.07	.35	<2	28
L800E1300N	2	1.95	4	42	.5	<3	.04	<.5	8	21	19	1.81	.03	7	.25	107	2	.02	9	890	13	<2	<5	.04	5	.08	.25	<2	30
L800E1400N	4	3.37	22	39	.9	<3	.05	<.5	6	9	30	1.41	.03	3	.10	62	1	.03	8	1182	6	4	<5	.03	7	.12	.23	<2	22

Attention: Dave Pighin
Project: Horn

ICP32

CERTIFICATE OF ANALYSIS:

Sample Name	Ag	Al	As	Ba	Bk	Bi	Cd	Co	Cr	Cu	Fe	K	Li	Mg	Nb	Mo	Na	Ni	P	Pb	Sb	Se	Si	St	Ti	V	W	Zn	
L900E0N	.2	1.81	8	35	.4	<.3	.04	.8	7	11	28	2.86	.03	15	.43	162	2	<.01	13	617	8	4	<.5	.04	3	.06	56	<.2	45
L900E100N	.2	1.89	5	46	.4	<.3	.11	<.5	9	10	24	2.08	.02	11	.49	167	1	.01	15	74	10	4	<.5	.04	9	.06	47	<.2	47
L900E200N	.2	1.88	12	38	.4	<.3	.05	<.5	6	5	67	2.82	.03	1	.11	95	2	.02	8	1388	14	<.2	<.5	.04	3	.15	74	<.2	37
L900E300N	.5	1.80	<.2	34	.6	<.5	.17	1.5	24	15	182	4.99	.05	5	.35	206	2	.02	18	947	13	3	<.5	.04	10	.11	176	<.2	62
L900E400N	.4	2.30	18	54	.6	<.3	.08	<.5	9	8	35	2.45	.04	5	.19	126	1	.02	11	1828	28	2	<.5	.04	4	.07	36	<.2	71
L900E500N	.4	2.32	2	65	.6	<.3	.14	.8	12	17	83	2.53	.04	8	.28	142	1	.03	19	1116	13	7	<.5	.03	7	.12	59	<.2	32
L900E600N	.2	1.51	<.2	41	.5	<.3	.08	.8	8	14	39	2.22	.04	8	.25	118	1	.02	12	834	16	<.2	<.5	.04	4	.08	40	<.2	47
L900E700N	.2	1.23	7	36	.4	<.3	.07	.9	9	7	15	2.21	.02	5	.22	99	1	<.01	10	962	13	3	<.5	.03	3	.07	32	<.2	27
L900E800N	.2	1.14	5	33	.5	<.3	.07	<.5	6	10	33	1.81	.02	11	.14	61	2	.01	9	584	15	<.2	<.5	.04	3	.08	39	<.2	24
L900E900N	.2	1.45	2	30	.6	<.3	.10	.8	8	2	23	.39	.01	23	.06	24	1	.02	7	224	7	<.2	<.5	.03	8	.08	10	<.2	11
L900E1000N	.2	2.08	9	81	.6	<.3	.15	.9	5	9	22	1.81	.02	4	.13	111	1	.02	10	2343	9	4	<.5	.04	11	.08	28	<.2	37
L900E1100N	.4	1.17	<.2	36	.3	<.3	.07	<.5	7	30	13	1.34	.02	8	.39	101	2	.01	10	128	10	4	<.5	.04	6	.07	27	<.2	24
L900E1200N	.2	1.29	3	42	.4	<.3	.12	.8	7	24	15	1.45	.02	9	.37	107	1	.01	11	122	8	<.2	<.5	.04	9	.09	29	<.2	23
L900E1300N	.2	.67	<.2	43	.4	<.3	.11	<.5	3	8	13	.65	.02	7	.13	42	1	.02	5	228	9	<.2	<.5	.04	9	.07	18	<.2	11
L900E1400N	.3	2.34	26	64	1.0	<.3	.42	1.6	17	38	39	4.59	.15	14	.68	346	3	.03	18	1060	20	11	<.5	.04	19	.17	68	<.2	43
L1000E0N	.2	1.40	<.2	51	.5	<.3	.12	.9	9	21	39	2.69	.03	11	.40	152	1	.02	14	333	14	<.2	<.5	.04	5	.07	54	<.2	38
L1000E100N	.2	2.84	10	37	.6	<.3	.07	1.0	4	11	30	2.72	.02	1	.10	94	1	.02	7	782	8	<.2	<.5	.04	2	.14	68	<.2	39
L1000E200N	.4	1.78	9	37	.5	8	.22	.8	15	11	143	3.84	.04	4	.44	216	1	.03	16	838	17	5	<.5	.03	3	.16	150	<.2	46
L1000E300N	.2	2.89	13	45	.6	<.3	.07	<.5	7	11	28	1.79	.03	3	.10	113	2	.02	11	1252	4	<.2	<.3	.03	5	.11	39	<.2	39
L1000E400N	.6	1.25	4	56	.4	<.3	.18	1.0	10	14	49	2.16	.03	8	.36	145	1	.02	15	432	10	11	<.5	.04	5	.09	58	<.2	44
L1000E500N	.2	1.76	5	62	.5	<.3	.12	.8	13	40	59	2.35	.04	7	.39	249	1	.02	19	847	11	6	<.5	.04	3	.10	57	<.2	57
L1000E600N	.8	2.84	17	55	.7	<.3	.08	1.3	10	4	72	2.01	.03	4	.17	178	1	.02	15	1229	14	<.2	<.5	.03	4	.13	40	<.2	63
L1000E700N	.8	1.97	18	52	.6	<.3	.06	.8	8	17	24	2.19	.03	5	.27	122	2	.01	16	1423	19	<.2	<.5	.03	3	.08	30	<.2	65
L1000E800N	.2	1.10	<.2	38	.4	<.3	.10	.7	7	14	57	2.42	.04	11	.25	117	2	.01	11	731	48	4	<.5	.03	6	.05	33	<.2	43
L1000E900N	.5	1.34	2	32	.5	<.3	.14	1.0	12	11	53	2.21	.04	8	.39	155	2	.01	18	683	7	7	<.5	.05	2	.08	51	2	33
L1000E1000N	.3	3.81	83	44	.8	<.3	.11	.9	4	20	22	1.80	.01	13	.08	41	2	.02	7	1749	8	<.2	<.5	.05	11	.16	32	<.2	16
L1000E1100N	.2	1.64	17	42	.4	<.3	.05	<.5	5	21	17	1.59	.02	5	.07	101	2	.02	8	1769	11	2	<.3	.04	3	.11	29	<.2	37
L1000E1200N	.2	1.13	2	53	.3	<.3	.07	<.5	6	9	18	1.13	.02	6	.17	58	1	.02	9	148	18	<.2	<.5	.04	5	.11	22	<.2	17
L1000E1300N	.2	1.51	<.2	38	.5	4	.09	.8	7	10	19	1.64	.04	10	.27	95	2	.01	15	462	10	<.2	<.5	.04	4	.07	24	<.2	22
L1000E1400N	.3	1.99	<.2	63	.6	<.3	.11	.8	6	1	15	1.83	.03	4	.15	95	1	.02	8	664	11	<.2	<.5	.04	7	.10	27	<.2	29
L3000E0N	.4	1.87	16	41	.6	10	.08	1.4	13	35	43	3.11	.04	11	.79	236	2	.01	25	881	21	8	<.5	.04	4	.10	48	<.2	52
L3000E100N	.4	1.15	8	30	.3	<.3	.04	.7	4	11	13	2.08	.02	4	.13	69	1	.02	7	597	11	6	<.3	.04	3	.12	45	<.2	22
L3000E200N	.2	.92	8	36	.3	<.3	.04	.5	6	4	16	1.83	.02	8	.16	71	1	.02	8	409	15	<.2	<.5	.04	3	.10	38	<.2	27
L3000E300N	1.0	3.88	18	33	.6	<.3	.04	.8	4	4	19	2.15	.01	3	.06	51	2	.02	6	3894	10	3	<.3	.03	5	.15	38	<.2	24
L3000E400N	.9	3.52	28	67	.9	<.3	.07	1.1	7	10	18	1.93	.02	4	.11	77	3	.02	14	1004	13	9	<.3	.03	7	.12	29	<.2	58
L3000E500N	.5	2.48	17	102	.7	<.3	.08	.7	18	28	47	2.23	.04	10	.47	207	2	.01	37	1281	28	4	<.3	.04	7	.10	37	<.2	87
L3000E600N	.2	1.68	5	36	.4	<.3	.05	<.5	7	25	25	1.54	.02	5	.28	169	2	.01	14	250	3	<.2	<.3	.03	4	.09	29	<.2	58
L3000E700N	1.0	2.74	24	28	.7	<.3	.05	<.5	4	<.1	15	1.12	.02	3	.07	47	2	.03	6	578	8	9	<.3	.03	7	.11	17	<.2	20
L3000E800N	.5	3.32	31	30	.7	<.3	.03	.8	5	3	17	2.55	.02	4	.08	55	4	.02	8	1576	19	<.2	<.3	.03	5	.17	47	3	29
L3000E900N	.3	.98	5	27	.5	<.3	.08	<.5	8	11	17	1.82	.04	16	.38	124	2	<.01	11	448	19	4	<.3	.05	7	.06	21	<.2	38

ROSSBACHER LABORATORY LTD.
2225 SPRINGER AVENUE
BURNABY, B.C.
V5B 3N1

To: Super group Holdings Ltd.
1805-13th Ave South
Cranbrook, B.C.

Attention: Dave Pighin
Project: Horn

Cert# 99450
89-08-14
Soil

ICP32

CERTIFICATE OF ANALYSIS:

Sample Name	Ag	Al	As	Ba	Bi	Bl	Ca	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Nb	Ni	P	Pb	Sb	Se	Si	Sr	Ti	V	W	Zn	
L3000E1000N	.7	2.32	12	40	.6	<3	.04	.6	7	11	17	1.44	.02	6	.15	177	1	.02	13	899	11	9	<5	.03	6	.10	20	<2	45
L3000E1100N	.5	2.31	10	37	.5	<3	.05	.9	8	13	16	1.79	.03	5	.27	113	2	.02	16	842	9	7	<5	.03	5	.12	27	<2	47
L3000E1200N	.2	1.78	<2	54	.5	<3	.05	1.1	10	15	17	2.10	.05	10	.51	125	2	.01	18	518	7	3	<5	.04	7	.08	28	<2	49
L3000E1300N	.3	2.31	13	36	.5	<3	.03	.8	4	16	13	1.73	.01	7	.16	76	3	.01	8	944	8	5	<5	.04	5	.09	29	<2	50
L3000E1400N	.2	1.36	5	37	.4	<3	.05	1.1	8	35	16	2.08	.02	11	.68	119	2	.01	16	434	10	7	<5	.04	6	.06	32	<2	53
CL2000E1	.2	1.36	4	44	.5	<3	.14	1.1	13	15	36	2.25	.03	11	.44	315	2	.02	18	475	15	4	<5	.04	8	.08	52	<2	58
CL2000E50E	.2	1.35	12	68	.4	<3	.12	.8	10	37	30	1.68	.02	12	.37	171	2	.02	20	293	8	<2	<5	.04	9	.08	29	<2	60
CL2000E100E	.4	2.00	<2	63	.5	<3	.08	.8	8	9	21	1.49	.05	2	.13	141	1	.02	9	1231	12	10	<5	.04	9	.14	25	<2	73
CL2000E150E	.5	2.16	12	52	.7	<3	.08	<5	6	34	23	1.35	.03	1	.10	82	1	.05	14	1563	9	<2	<5	.04	11	.11	22	<2	63
CL2000E200E	.6	2.45	29	112	.7	<3	.09	1.3	12	30	22	2.10	.04	13	.33	137	2	.02	26	894	21	5	<5	.04	13	.12	57	<2	107
CL2000E250E	.6	2.36	22	74	.6	<3	.08	<5	6	7	17	1.53	.05	6	.11	230	2	.02	12	1548	14	7	<5	.04	8	.14	26	<2	61
CL2000E300E	.4	1.40	<2	61	.4	4	.08	.7	7	20	15	1.36	.04	11	.24	98	2	.01	11	880	14	<2	<5	.05	9	.07	17	<2	76
CL2000E350E	.7	1.53	15	51	.4	<3	.07	<5	5	17	13	1.39	.04	11	.23	136	1	.01	10	549	13	4	<5	.05	10	.08	17	<2	60
CL2000E400E	.2	1.09	15	56	.8	9	.07	1.2	9	10	25	2.22	.06	20	.41	173	3	.01	12	578	22	<2	<5	.05	11	.08	25	<2	64
CL2000E450E	.4	1.81	17	73	.8	<3	.06	1.0	9	40	20	1.79	.05	13	.26	114	2	.01	14	935	22	4	<5	.05	10	.10	20	<2	74
CL2000E500E	.7	2.17	27	74	.7	<3	.05	1.0	8	8	18	2.28	.05	10	.27	180	2	.01	17	737	20	<2	<5	.04	9	.10	24	<2	123
CL2000E550E	.2	1.55	3	79	.5	<3	.07	1.4	10	4	12	1.52	.05	9	.13	993	2	.02	15	827	14	<2	<5	.04	13	.13	23	<2	145
CL2000E600E	.3	2.46	14	68	.7	<3	.07	.7	9	<1	14	1.53	.08	4	.12	583	2	.02	18	1041	12	5	<5	.04	12	.14	22	<2	96
CL2000E650E	.5	1.95	3	74	.6	<3	.06	.8	10	8	13	1.56	.04	4	.16	469	3	.02	15	1155	19	6	<5	.04	8	.10	23	<2	84
CL2000E700E	.2	1.85	11	88	.6	<3	.06	.8	11	12	16	1.66	.06	13	.23	321	3	.02	21	1237	21	3	<5	.04	9	.10	21	<2	138
CL2000E750E	.2	1.96	9	85	.7	<3	.07	1.1	8	20	13	1.77	.06	6	.18	265	3	.02	15	1213	23	<2	<5	.04	11	.12	25	<2	158
CL2000E800E	.2	1.95	7	91	.8	<3	.05	.9	14	19	19	2.06	.07	12	.30	165	3	.02	28	409	22	3	<5	.03	11	.10	22	<2	87
CL2000E850E	.4	1.53	13	87	.6	6	.07	.8	11	15	21	1.88	.06	11	.34	236	3	.02	18	474	26	8	<5	.04	11	.09	21	<2	94
CL2000E900E	.4	1.96	11	91	.7	<3	.06	1.0	10	10	15	1.81	.05	8	.22	314	3	.02	21	817	26	<2	<5	.04	9	.10	24	<2	143
CL2000E950E	.4	2.84	17	84	.8	<3	.08	.9	10	8	18	1.70	.04	6	.14	597	1	.02	19	961	20	<2	<5	.05	13	.14	23	<2	86
CL2000E1000E	.6	2.05	7	90	.7	6	.09	1.2	15	<1	13	1.73	.05	6	.18	474	2	.02	26	1052	22	<2	<5	.04	11	.14	27	<2	131
CL2000E1050E	.4	1.98	4	75	.6	<3	.09	1.1	12	<1	14	1.46	.04	4	.14	728	1	.02	17	1484	14	5	<5	.05	11	.12	22	<2	148
CL2000E1100E	.5	1.38	3	63	.5	<3	.06	1.0	8	<1	15	1.26	.04	10	.19	141	1	.01	15	711	15	3	<5	.05	8	.09	18	<2	61
CL2000E1150E	.6	1.55	11	81	.6	3	.06	1.3	12	4	22	1.63	.04	10	.27	183	2	.01	20	587	23	4	<5	.03	7	.10	23	<2	64
CL2000E1200E	.4	2.31	13	81	.6	4	.08	.8	9	10	22	1.87	.04	8	.27	323	2	.02	19	893	18	6	<5	.04	11	.12	24	<2	83
CL2000E1250E	.4	1.38	<2	71	.5	<3	.07	.8	9	<1	13	1.45	.04	6	.19	291	2	.02	11	896	21	<2	<5	.04	8	.11	27	<2	77
CL2000E1300E	.2	1.83	<2	62	.5	<3	.06	.7	8	<1	17	1.47	.05	6	.12	283	1	.02	13	634	12	5	<5	.04	9	.12	27	<2	60
CL2000E1350E	.4	1.98	18	62	.6	4	.07	.8	12	15	15	1.80	.04	6	.26	314	2	.02	15	633	21	5	<5	.04	7	.10	28	<2	89
CL2000E1400E	.6	1.99	13	78	.6	<3	.05	1.0	11	15	18	1.92	.04	6	.20	429	1	.02	14	1544	20	7	<5	.04	8	.13	28	<2	121
CL2000E1450E	.2	1.02	<2	68	.4	8	.05	.8	4	13	9	1.30	.04	10	.15	106	1	.01	7	372	19	9	<5	.04	7	.12	28	<2	64
CL2000E1500E	.6	1.60	23	64	.8	11	.09	.5	8	<1	13	1.91	.04	8	.14	177	5	.02	9	1288	36	3	<5	.04	14	.14	30	30	84
CL2000E1550E	.6	1.85	7	90	.6	7	.06	<5	7	<1	12	1.20	.03	7	.11	125	2	.01	8	968	22	3	<5	.04	12	.12	27	12	44
CL2000E1600E	.5	2.47	17	54	.6	<3	.05	.9	9	1	18	1.98	.04	6	.14	119	4	.02	17	1335	19	6	<5	.04	10	.14	33	5	70
CL2000E1650E	.4	3.42	35	68	1.1	<3	.08	1.4	11	9	23	2.71	.04	7	.19	109	4	.02	21	1483	23	9	<5	.04	13	.14	33	18	71
CL2000E1700E	.2	2.27	20	44	.5	<3	.06	1.4	6	10	16	2.05	.03	4	.11	78	3	.02	11	1067	19	10	<5	.04	11	.15	33	4	43

2000E
Line on 2000E grid

ROSSBACHER LABORATORY LTD.
 2225 SPRINGER AVENUE
 BURNABY, B.C.
 V5B 3N1

To: Super group Holdings Ltd.
 1805-13th Ave South
 Cranbrook, B.C.

Attention: Dave Pighin
 Project: Horn

Cert# 99450
 98-08-14
 Soil

ICP32

CERTIFICATE OF ANALYSIS:

Sample Name	Ag	Al	As	Ba	Bi	Ca	Co	Cd	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Si	Sr	Ti	V	W	Zn	
CL20001750E	.4	2.02	10	68	.5	4	.07	.7	8	3	16	1.59	.03	10	.11	164	3	.02	13	763	18	<2	<5	.04	12	.15	27	6	86
CL20001800E	.8	2.40	19	74	.6	<3	.06	1.1	10	9	20	1.83	.03	6	.16	139	2	.02	17	1127	23	10	<5	.04	12	.14	26	3	93
CL20001850E	.5	2.80	14	75	.7	5	.05	<.5	12	<1	29	1.84	.04	11	.23	108	3	.01	20	887	22	10	<5	.04	11	.10	22	<2	115
CL20001800E	1.2	2.09	24	48	.8	5	.08	1.3	8	13	15	2.69	.04	9	.19	89	4	.02	11	1321	24	10	<5	.04	10	.16	47	<2	88
CL20001950E	1.0	2.20	19	82	.5	<3	.15	.9	10	24	35	1.42	.04	13	.21	205	5	.03	32	761	51	<2	<5	.04	17	.13	25	<2	419
CL20002000E	1.1	2.52	18	37	.7	7	.05	1.3	11	10	47	2.71	.04	8	.40	95	5	.01	19	818	18	8	<5	.04	10	.11	56	<2	67

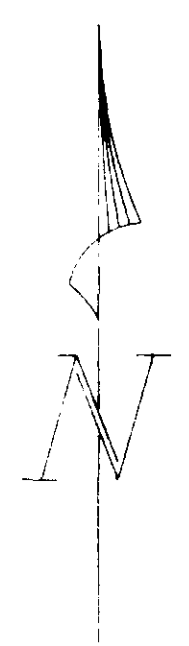


LEGEND

- Qal Quaternary - Unconsolidated outwash, alluvium, Glacial deposits.
- Middle Proterozoic**
- mPK Kitchener Fm.
- mPC Creaton Fm.
- mPUA Upper Aldridge division
- mPMA Middle Aldridge division
- mPLA Lower Aldridge division
- mPRF Ramparts Facies
- Intrusive Rocks**
- Cr Cretaceous Granitic Intrusions
- PMA Mafic sills/or dykes, similar to Mayie intrusions but in younger rocks than MA.
- HCR Hallelroaring Creek Stock & pegmatite
- GR Granofels
- MP Mayie Intrusions

Symbols:

- Geological boundaries (defined, approximate, measured)
- Faults - Thrust, Normal, Reverse or undefined
- Bedding S0 Dip (top shown, overturned, vertical, horizontal)
- Cleavage S1, S2
- Lineation
- Foliation
- Shearing
- Anticline, Syncline - fold axes
- Overturned folds - anticline, syncline
- Adit, Trench
- Glacial Striae
- Laminated Argillite intervals



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

26,046

HORN/BURN PROPERTY

Geology Basemap

This Plot: 99/09/07	Date: 99/10/12BYPRO
Map Ref.: HN82F080/070	Scale: 1:20000

Leaf Update (Y/N/D): LAST-UPDATE-DATE
CAD-FILENAME: USRVE-PATH-FILENAME-CAT
File Name: F6