2008 Drilling Assessment Report

on the Nucleus Zone,

Freegold Mountain Property

095065

2008 Drilling Assessment Report

on the

Nucleus Zone, Freegold Mountain Property

Received
Dec. 18, 2008
Whitehorse
Mining Recorder

Freegold Mountain Area
NTS 115 I/6
Lat. 62°20'N, Long. 137°16'W
Whitehorse Mining District

Prepared for:
Northern Freegold Resources Ltd.
Box 31293
Whitehorse, YT
Y1A 5P7

Report Prepared by:
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December 12, 2008

Assays and Updates Submitted May 22, 2009

Period of Work:
May 27th, 2008 to June 7th, 2008

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Summary

The Freegold Mountain Property is located in the Dawson Range, 61km northwest of Carmacks, in the Yukon Territory. Between April 22, 2008 and August 10, 2008 14,976 meters in eighty-one holes were drilled within the Nucleus Zone. This report covers the work done on three holes, GRD08-077, 079 and 080 which were applied for as part of assessment filing.

GRD08-077 was the tenth hole of the program this season and holes GRD08-079 and GRD08-080 followed. All three holes were drilled north of the main Nucleus Zone in order to test the extent of mineralization in the area and follow up from RAB drilling results from 2007. All three holes were drilled at an azimuth of 270° and a dip of -50°. GRD08-077 was drilled to a depth of 232 meters, GRD08-079 to a depth of 307 meters, and GRD08-080 reached a total depth of 308 meters. All three holes had their entire lengths sampled and samples were sent to Ecotech Laboratories. Results are included in Appendix 1 of this report.

Holes GRD08-077, 079 and 080 extend the known mineralized area further to the northeast than the area drilled previously to the 2008 field season. The mineralization encountered in these drill holes has opened up the system to further exploration to the north, west and east. While some follow-up drilling has already been conducted to the north, very little has been completed east or west of the line of these holes and as such, to truly test the extent of the mineralized zone, follow-up drilling should continue to both the east and west.

Chapter 1 – Introduction

A. Introduction

Drilling within the Nucleus Zone took place between April 22, 2008 and August 10, 2008 and was undertaken by Kluane Drilling Ltd. Fifty-three diamond drill holes and 28 Rotary Air Blast (or RAB) were drilled, resulting in a total of 14,976 meters of drilling in the Nucleus Zone. Diamond drill hole GRD08-77 was started May 27th and completed on the 29th of May. GRD08-79 was started May 29th and completed June 2nd. GRD08-80 began on June 3rd and was completed June 7th.

B. Location and Access

The property is located in the Dawson Range on NTS Map Sheet 115 I/6 centered at latitude 62° 20'N and longitude 137°16'W. The claims are accessible via the Freegold Road, a government maintained gravel road. Four-wheel drive roads access the zones of the property from the Freegold Road. Several cat trails on the claims provide access to trenches and drill sites. The total road distance from Carmacks to the base camp at Revenue Creek is 85 kilometres (Figure 1).

C. Physiography, Climate, Vegetation

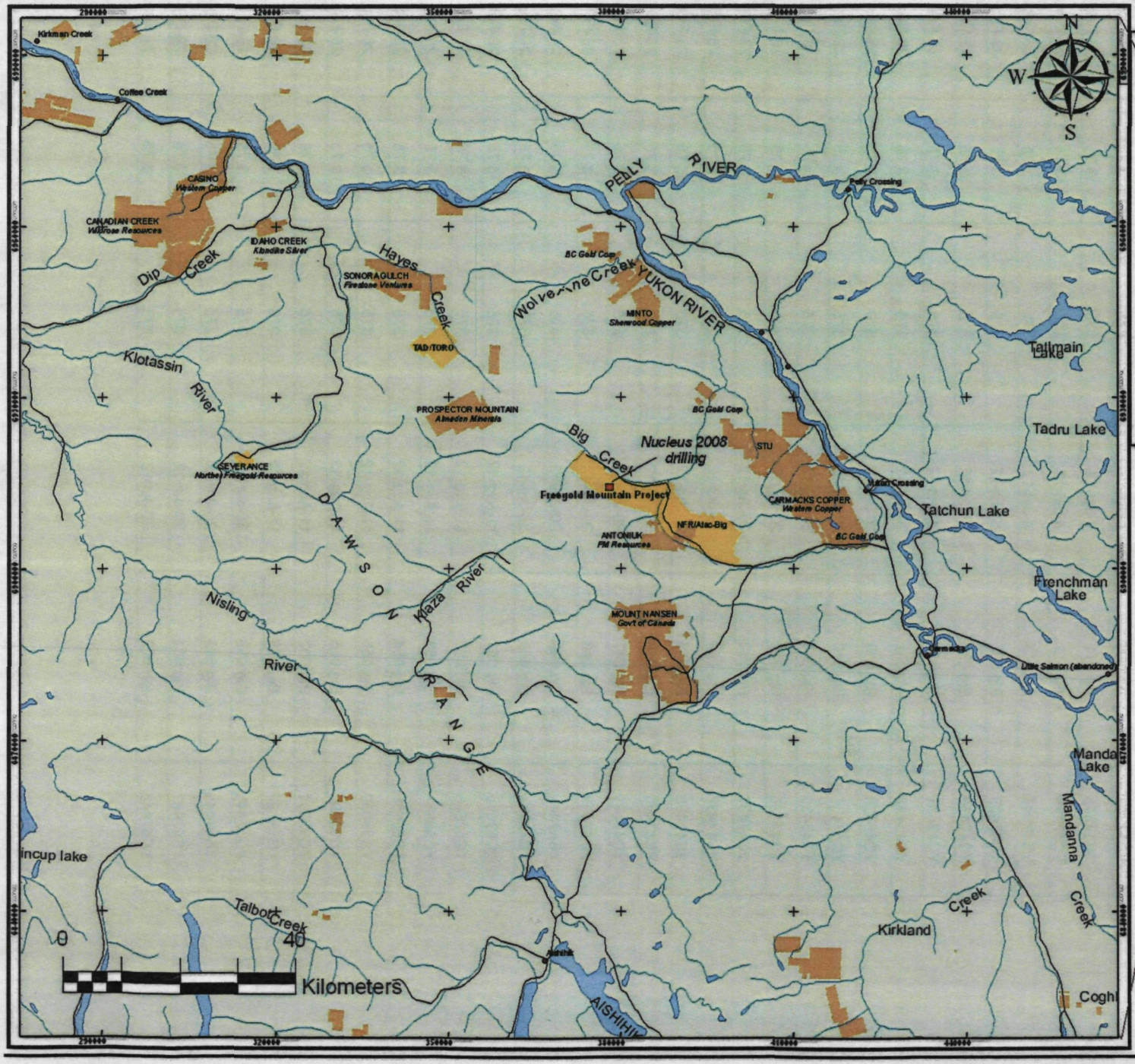
The project lies within the unglaciated Dawson Range in south-western Yukon, and is characterized by rolling upland and mountain-valley terrain (after Pautler, 2006a). Rock exposure is sparse except along ridge tops. Elevations range between 750 metres and 1500 metres above sea level. Alpine grass and moss, short willow brush and sparse alpine spruce cover most of the mountain uplands with dense spruce forests on south facing slopes. Valleys are timbered, dominated by white and black spruce with some birch and cottonwood to an approximate elevation of 1,050 metres (3,500 feet). Alder, poplar and thick moss cover is confined to flat areas with low drainage. Large areas of the properties were burned by widespread forest fires in the summer of 2004. Water is available most of the year from Seymour Creek and Big Creek and their tributaries.

The permafrost in the area is discontinuous and generally found at depths greater than 1.0 m on south facing slopes and less than 0.1 m on north facing slopes. Two volcanic ash layers, of varying thickness up to about 1 m, blanket much of the region and deadens the geochemical response in soils.

The area has a northern interior climate with long cold winters and moderate precipitation. The exploration season extends from April until October.

Figure 1: Lo .ion Map

Dawson Range Porphyry Belt
Properties



NORTHERN FREEGOLD RESOURCES LTD.

UTM Zone 8 NAD 83
Prepared: November 13, 2008

Legend

- Points of interest and Population Centers
- Roads
- NFR qtz claims
- Water
- Non-NFR qtz claims
- Protected Areas
- Yukon Territory

D. Claims Worked and Filed On

Diamond drill holes GRD08-077, 079 and 080 are located on claim Nucleus 27 (YA51215). The drilling on the above claim was applied to the claims listed in Table 1.

Table 1: Claims to Which Work is Being Applied

Grant No.	Claim Name	Exp. Date	Renewal Period Requested	$ Work Filed	New Expiry Date*
Y26371	Add 005	15-Mar-16	400	4	28-Feb-20
74488	Addition 003	15-Mar-16	400	4	28-Feb-20
YC47242	Au 008	4-Jul-12	375	3.75	28-Feb-16
YC47243	Au 009	4-Jul-12	375	3.75	28-Feb-16
YC47244	Au 010	4-Jul-12	375	3.75	28-Feb-16
YC47245	Au 011	4-Jul-12	375	3.75	28-Feb-16
YC47246	Au 012	4-Jul-12	375	3.75	28-Feb-16
YC47247	Au 013	4-Jul-12	375	3.75	28-Feb-16
YC47429	Big 035	20-Jul-12	375	3.75	28-Feb-16
YC47430	Big 036	20-Jul-12	375	3.75	28-Feb-16
YC47431	Big 037	20-Jul-12	375	3.75	28-Feb-16
YC47432	Big 038	20-Jul-12	375	3.75	28-Feb-16
YC47433	Big 039	20-Jul-12	375	3.75	28-Feb-16
YC47434	Big 040	20-Jul-12	375	3.75	28-Feb-16
YC47435	Big 041	20-Jul-12	375	3.75	28-Feb-16
YC47436	Big 042	20-Jul-12	375	3.75	28-Feb-16
YC47437	Big 043	20-Jul-12	375	3.75	28-Feb-16
YC47438	Big 044	20-Jul-12	375	3.75	28-Feb-16
YC47439	Big 045	20-Jul-12	375	3.75	28-Feb-16
YC47440	Big 046	20-Jul-12	375	3.75	28-Feb-16
YC47441	Big 047	20-Jul-12	375	3.75	28-Feb-16
YC47442	Big 048	20-Jul-12	375	3.75	28-Feb-16
YC47443	Big 049	20-Jul-12	375	3.75	28-Feb-16
YC47444	Big 050	20-Jul-12	375	3.75	28-Feb-16
YC53685	Big 051	11-Aug-12	375	3.75	28-Feb-16
YC53686	Big 052	11-Aug-12	375	3.75	28-Feb-16
YC53687	Big 053	11-Aug-12	375	3.75	28-Feb-16
YC53688	Big 054	11-Aug-12	375	3.75	28-Feb-16
YC53689	Big 055	11-Aug-12	375	3.75	28-Feb-16
YC53690	Big 056	11-Aug-12	375	3.75	28-Feb-16
YC53691	Big 057	11-Aug-12	375	3.75	28-Feb-16
YC53692	Big 058	11-Aug-12	375	3.75	28-Feb-16
YC47445	Big 059	20-Jul-12	375	3.75	28-Feb-16
YC47446	Big 060	20-Jul-12	375	3.75	28-Feb-16
YC47447	Big 061	20-Jul-12	375	3.75	28-Feb-16
YC47448	Big 062	20-Jul-12	375	3.75	28-Feb-16

Grant No.	Claim Name	Exp. Date	Renewal Period Requested	$ Work Filed	New Expiry Date*
YC47449	Big 063	20-Jul-12	375	3.75	28-Feb-16
YC47450	Big 064	20-Jul-12	375	3.75	28-Feb-16
YC47451	Big 065	20-Jul-12	375	3.75	28-Feb-16
YC47452	Big 066	20-Jul-12	375	3.75	28-Feb-16
YC47453	Big 067	20-Jul-12	375	3.75	28-Feb-16
YC47454	Big 068	20-Jul-12	375	3.75	28-Feb-16
YC47455	Big 069	20-Jul-12	375	3.75	28-Feb-16
YC47456	Big 070	20-Jul-12	375	3.75	28-Feb-16
YC47457	Big 071	20-Jul-12	375	3.75	28-Feb-16
YC47458	Big 072	20-Jul-12	375	3.75	28-Feb-16
YC47459	Big 073	20-Jul-12	375	3.75	28-Feb-16
YC47460	Big 074	20-Jul-12	375	3.75	28-Feb-16
YC19290	Feliz 001	19-Jun-12	375	3.75	28-Feb-16
YC19291	Feliz 002	19-Jun-12	375	3.75	28-Feb-16
YC19292	Feliz 003	19-Jun-12	375	3.75	28-Feb-16
YC19293	Feliz 004	19-Jun-12	375	3.75	28-Feb-16
YC47229	Froh 053	4-Jul-12	375	3.75	28-Feb-16
YC47231	Froh 055	4-Jul-12	375	3.75	28-Feb-16
YC47232	Froh 056	4-Jul-12	375	3.75	28-Feb-16
YC47233	Froh 057	4-Jul-12	375	3.75	28-Feb-16
YC47428	Froh 070	20-Jul-12	375	3.75	28-Feb-16
YC19282	Happy 001	19-Jun-12	375	3.75	28-Feb-16
YC19283	Happy 002	19-Jun-12	375	3.75	28-Feb-16
YC19284	Happy 003	19-Jun-12	375	3.75	28-Feb-16
YC19285	Happy 004	19-Jun-12	375	3.75	28-Feb-16
YC19286	Happy 005	19-Jun-12	375	3.75	28-Feb-16
YC19287	Happy 006	19-Jun-12	375	3.75	28-Feb-16
YC19288	Happy 007	19-Jun-13	375	3.75	28-Feb-17
YC19289	Happy 008	19-Jun-13	375	3.75	28-Feb-17
YC30166	Mag 002	25-Oct-12	350	3.5	28-Feb-16
YC30168	Mag 004	25-Oct-12	350	3.5	28-Feb-16
YC30181	Mag 017	25-Oct-12	350	3.5	28-Feb-16
YC30182	Mag 018	25-Oct-12	350	3.5	28-Feb-16
YC30183	Mag 019	25-Oct-12	350	3.5	28-Feb-16
YC30184	Mag 020	25-Oct-12	350	3.5	28-Feb-16
YC30198	Mag 034	25-Oct-12	350	3.5	28-Feb-16
YC09279	Nuc 001	19-Feb-15	325	3.25	28-Feb-18
YC09280	Nuc 002	19-Feb-15	325	3.25	28-Feb-18
YC09281	Nuc 003	19-Feb-15	325	3.25	28-Feb-18
YC09282	Nuc 004	19-Feb-15	325	3.25	28-Feb-18

Grant No.	Claim Name	Exp. Date	Renewal Period Requested	$ Work Filed	New Expiry Date*
YC09283	Nuc 005	19-Feb-15	325	3.25	28-Feb-18
YC09284	Nuc 006	19-Feb-15	325	3.25	28-Feb-18
YC09285	Nuc 007	19-Feb-15	325	3.25	28-Feb-18
YC47421	Nuc 008	20-Jul-12	375	3.75	28-Feb-16
YC47422	Nuc 009	20-Jul-12	375	3.75	28-Feb-16
YC47423	Nuc 010	20-Jul-12	375	3.75	28-Feb-16
YA51192	Nucleus 004	19-Feb-14	325	3.25	28-Feb-17
YA51194	Nucleus 006	19-Feb-14	325	3.25	28-Feb-17
YA51203	Nucleus 015	19-Feb-14	325	3.25	28-Feb-17
YA51205	Nucleus 017	19-Feb-14	325	3.25	28-Feb-17
YA51206	Nucleus 018	19-Feb-14	325	3.25	28-Feb-17
YA51208	Nucleus 020	19-Feb-14	325	3.25	28-Feb-17
YA51212	Nucleus 024	19-Feb-14	325	3.25	28-Feb-17
YA51215	Nucleus 027	19-Feb-14	325	3.25	28-Feb-17
YA51218	Nucleus 028	19-Feb-14	325	3.25	28-Feb-17
YA51217	Nucleus 029	19-Feb-14	325	3.25	28-Feb-17
YA51216	Nucleus 030	19-Feb-14	325	3.25	28-Feb-17
YA60262	Nucleus 041	19-Feb-14	325	3.25	28-Feb-17
YA60263	Nucleus 042	19-Feb-14	325	3.25	28-Feb-17
YA60264	Nucleus 043	19-Feb-14	325	3.25	28-Feb-17
YA60265	Nucleus 044	19-Feb-14	325	3.25	28-Feb-17
Y25959	Rev 011	15-Mar-16	400	4	28-Feb-20
Y25961	Rev 013	15-Mar-16	400	4	28-Feb-20
Y24018	Rev 014	15-Mar-16	400	4	28-Feb-20
Y26231	Revenue 003	15-Mar-16	400	4	28-Feb-20
Y26232	Revenue 004	15-Mar-16	400	4	28-Feb-20
Y24019	Revenue 015	15-Mar-16	400	4	28-Feb-20
Y24020	Revenue 016	15-Mar-16	400	4	28-Feb-20
Y24025	Revenue 021	15-Mar-16	400	4	28-Feb-20
Y24026	Revenue 022	15-Mar-16	400	4	28-Feb-20
YA95213	Rev-Cop	15-Mar-16	400	4	28-Feb-20
67181	Revenue Copper 002	15-Mar-16	400	4	28-Feb-20
67183	Revenue Copper 004	15-Mar-16	400	4	28-Feb-20
Y21270	Revenue No. 009	15-Mar-16	400	4	28-Feb-20
Y21272	Revenue No. 011	15-Mar-16	400	4	28-Feb-20
YA97441	Subtract 001	15-Mar-16	400	4	28-Feb-20
YA97442	Subtract 002	15-Mar-16	400	4	28-Feb-20
YA97443	Subtract 003	15-Mar-16	400	4	28-Feb-20
Y26372	Add 006	15-Mar-16	4.00	400.00	28-Feb-20
68060	Addition 001	15-Mar-16	4.00	400.00	28-Feb-20

Grant No.	Claim Name	Exp. Date	Renewal Period Requested	$ Work Filed	New Expiry Date*
68061	Addition 002	15-Mar-16	4.00	400.00	28-Feb-20
74489	Addition 004	15-Mar-16	4.00	400.00	28-Feb-20
75323	Addition 005	15-Mar-16	4.00	400.00	28-Feb-20
Y79564	Au 001	15-Mar-16	4.00	400.00	28-Feb-20
Y79565	Au 002	15-Mar-16	4.00	400.00	28-Feb-20
Y79566	Au 003	15-Mar-16	4.00	400.00	28-Feb-20
Y79567	Au 004	15-Mar-16	4.00	400.00	28-Feb-20
Y79568	Au 005	15-Mar-16	4.00	400.00	28-Feb-20
Y80439	Au 006	15-Mar-16	4.00	400.00	28-Feb-20
Y80440	Au 007	15-Mar-16	4.00	400.00	28-Feb-20
YC54143	Au 014	11-Oct-12	3.50	350.00	28-Feb-16
YC54144	Au 015	11-Oct-12	3.50	350.00	28-Feb-16
YC54145	Au 016	11-Oct-12	3.50	350.00	28-Feb-16
YC54146	Au 017	11-Oct-12	3.50	350.00	28-Feb-16
YC54147	Au 018	11-Oct-12	3.50	350.00	28-Feb-16
15494	Augusta	29-Jan-10	3.25	325.00	28-Feb-13
YC41307	Big 001	28-Feb-14	4.00	400.00	28-Feb-18
YC41308	Big 002	28-Feb-14	4.00	400.00	28-Feb-18
YC41309	Big 003	28-Feb-14	4.00	400.00	28-Feb-18
YC41310	Big 004	28-Feb-14	4.00	400.00	28-Feb-18
YC41311	Big 005	28-Feb-14	4.00	400.00	28-Feb-18
YC41312	Big 006	28-Feb-14	4.00	400.00	28-Feb-18
YC41313	Big 007	28-Feb-14	4.00	400.00	28-Feb-18
YC41314	Big 008	28-Feb-14	4.00	400.00	28-Feb-18
YC41315	Big 009	28-Feb-14	4.00	400.00	28-Feb-18
YC41316	Big 010	28-Feb-14	4.00	400.00	28-Feb-18
YC41317	Big 011	28-Feb-14	4.00	400.00	28-Feb-18
YC41318	Big 012	28-Feb-14	4.00	400.00	28-Feb-18
YC41319	Big 013	28-Feb-14	4.00	400.00	28-Feb-18
YC41320	Big 014	28-Feb-14	4.00	400.00	28-Feb-18
YC41321	Big 015	28-Feb-14	4.00	400.00	28-Feb-18
YC41322	Big 016	28-Feb-14	4.00	400.00	28-Feb-18
YC41323	Big 017	28-Feb-14	4.00	400.00	28-Feb-18
YC41324	Big 018	28-Feb-14	4.00	400.00	28-Feb-18
YC41325	Big 019	28-Feb-14	4.00	400.00	28-Feb-18
YC41326	Big 020	28-Feb-14	4.00	400.00	28-Feb-18
YC41327	Big 021	28-Feb-14	4.00	400.00	28-Feb-18
YC41328	Big 022	28-Feb-14	4.00	400.00	28-Feb-18
YC41329	Big 023	28-Feb-14	4.00	400.00	28-Feb-18
YC41330	Big 024	28-Feb-14	4.00	400.00	28-Feb-18

Grant No.	Claim Name	Exp. Date	Renewal Period Requested	$ Work Filed	New Expiry Date*
YC41331	Big 025	28-Feb-14	4.00	400.00	28-Feb-18
YC41332	Big 026	28-Feb-14	4.00	400.00	28-Feb-18
YC41333	Big 027	28-Feb-14	4.00	400.00	28-Feb-18
YC41334	Big 028	28-Feb-14	4.00	400.00	28-Feb-18
YC41335	Big 029	28-Feb-14	4.00	400.00	28-Feb-18
YC41336	Big 030	28-Feb-14	4.00	400.00	28-Feb-18
YC41337	Big 031	28-Feb-14	4.00	400.00	28-Feb-18
YC41338	Big 032	28-Feb-14	4.00	400.00	28-Feb-18
YC41339	Big 033	28-Feb-14	4.00	400.00	28-Feb-18
YC54330	Big 034	31-Oct-12	3.50	350.00	28-Feb-16
YA95206	Bit 001	15-Mar-16	4.00	400.00	28-Feb-20
YA95207	Bit 002	15-Mar-16	4.00	400.00	28-Feb-20
YA95208	Bit 003	15-Mar-16	4.00	400.00	28-Feb-20
YA95209	Bit 004	15-Mar-16	4.00	400.00	28-Feb-20
YA95210	Bit 005	15-Mar-16	4.00	400.00	28-Feb-20
YA95211	Bit 006	15-Mar-16	4.00	400.00	28-Feb-20
YA95214	Bit 007	15-Mar-16	4.00	400.00	28-Feb-20
YA95215	Bit 008	15-Mar-16	4.00	400.00	28-Feb-20
YA95216	Bit 009	15-Mar-16	4.00	400.00	28-Feb-20
YA95217	Bit 010	15-Mar-16	4.00	400.00	28-Feb-20
YA95218	Bit 011	15-Mar-16	4.00	400.00	28-Feb-20
YA95219	Bit 012	15-Mar-16	4.00	400.00	28-Feb-20
YA95220	Bit 013	15-Mar-16	4.00	400.00	28-Feb-20
YA95212	Bit 014	15-Mar-16	4.00	400.00	28-Feb-20
YA95221	Bit 015	15-Mar-16	4.00	400.00	28-Feb-20
YA95222	Bit 016	15-Mar-16	4.00	400.00	28-Feb-20
YA95223	Bit 017	15-Mar-16	4.00	400.00	28-Feb-20
YA95224	Bit 018	15-Mar-16	4.00	400.00	28-Feb-20
75321	Homestake 001	15-Mar-16	4.00	400.00	28-Feb-20
75322	Homestake 002	15-Mar-16	4.00	400.00	28-Feb-20
Y21008	Inca 001	15-Mar-16	4.00	400.00	28-Feb-20
Y21009	Inca 002	15-Mar-16	4.00	400.00	28-Feb-20
Y21010	Inca 003	15-Mar-16	4.00	400.00	28-Feb-20
Y21011	Inca 004	15-Mar-16	4.00	400.00	28-Feb-20
Y21014	Inca 007	15-Mar-16	4.00	400.00	28-Feb-20
Y21015	Inca 008	15-Mar-16	4.00	400.00	28-Feb-20
63638	Liberty	29-Jan-12	3.25	325.00	28-Feb-15
YC30165	Mag 001	25-Oct-12	3.50	350.00	28-Feb-16
YC30167	Mag 003	25-Oct-12	3.50	350.00	28-Feb-16
YC30169	Mag 005	25-Oct-12	3.50	350.00	28-Feb-16

Grant No.	Claim Name	Exp. Date	Renewal Period Requested	$ Work Filed	New Expiry Date*
YC30170	Mag 006	25-Oct-12	3.50	350.00	28-Feb-16
YC30171	Mag 007	25-Oct-12	3.50	350.00	28-Feb-16
YC30172	Mag 008	25-Oct-12	3.50	350.00	28-Feb-16
YC30173	Mag 009	25-Oct-12	3.50	350.00	28-Feb-16
YC30174	Mag 010	25-Oct-12	3.50	350.00	28-Feb-16
YC30175	Mag 011	25-Oct-12	3.50	350.00	28-Feb-16
YC30176	Mag 012	25-Oct-12	3.50	350.00	28-Feb-16
YC30177	Mag 013	25-Oct-12	3.50	350.00	28-Feb-16
YC30178	Mag 014	25-Oct-12	3.50	350.00	28-Feb-16
YC30179	Mag 015	25-Oct-12	3.50	350.00	28-Feb-16
YC30180	Mag 016	25-Oct-12	3.50	350.00	28-Feb-16
YC30185	Mag 021	25-Oct-12	3.50	350.00	28-Feb-16
YC30186	Mag 022	25-Oct-12	3.50	350.00	28-Feb-16
YC30187	Mag 023	25-Oct-12	3.50	350.00	28-Feb-16
YC30188	Mag 024	25-Oct-12	3.50	350.00	28-Feb-16
YC30189	Mag 025	25-Oct-12	3.50	350.00	28-Feb-16
YC30190	Mag 026	25-Oct-12	3.50	350.00	28-Feb-16
YC30191	Mag 027	25-Oct-12	3.50	350.00	28-Feb-16
YC30192	Mag 028	25-Oct-12	3.50	350.00	28-Feb-16
YC30193	Mag 029	25-Oct-12	3.50	350.00	28-Feb-16
YC30194	Mag 030	25-Oct-12	3.50	350.00	28-Feb-16
YC30195	Mag 031	25-Oct-12	3.50	350.00	28-Feb-16
YC30196	Mag 032	25-Oct-12	3.50	350.00	28-Feb-16
YC30197	Mag 033	25-Oct-12	3.50	350.00	28-Feb-16
YC30199	Mag 035	25-Oct-12	3.50	350.00	28-Feb-16
YC30200	Mag 036	25-Oct-12	3.50	350.00	28-Feb-16
YC37001	Mag 037	25-Oct-12	3.50	350.00	28-Feb-16
YC37002	Mag 038	25-Oct-12	3.50	350.00	28-Feb-16
YC37003	Mag 039	25-Oct-12	3.50	350.00	28-Feb-16
YC37004	Mag 040	25-Oct-12	3.50	350.00	28-Feb-16
YC37005	Mag 041	25-Oct-12	3.50	350.00	28-Feb-16
YC37006	Mag 042	25-Oct-12	3.50	350.00	28-Feb-16
YC37007	Mag 043	25-Oct-12	3.50	350.00	28-Feb-16
YC37008	Mag 044	25-Oct-12	3.50	350.00	28-Feb-16
15505	Margarete	29-Jan-10	3.25	325.00	28-Feb-13
YC09243	More 003	19-Feb-15	3.25	325.00	28-Feb-18
YC09244	More 004	19-Feb-15	3.25	325.00	28-Feb-18
YC09245	More 005	19-Feb-15	3.25	325.00	28-Feb-18
YC09246	More 006	19-Feb-15	3.25	325.00	28-Feb-18
YC09247	More 007	19-Feb-15	3.25	325.00	28-Feb-18

Grant No.	Claim Name	Exp. Date	Renewal Period Requested	$ Work Filed	New Expiry Date*
YC09248	More 008	19-Feb-15	3.25	325.00	28-Feb-18
YC09250	More 010	19-Feb-15	3.25	325.00	28-Feb-18
YC09336	More 031	19-Feb-15	3.25	325.00	28-Feb-18
YC09337	More 032	19-Feb-15	3.25	325.00	28-Feb-18
YC37048	Nitro 040	25-Oct-09	3.50	350.00	28-Feb-13
YC37050	Nitro 042	25-Oct-09	3.50	350.00	28-Feb-13
YC37052	Nitro 044	25-Oct-09	3.50	350.00	28-Feb-13
YC37054	Nitro 046	25-Oct-09	3.50	350.00	28-Feb-13
YC37056	Nitro 048	25-Oct-09	3.50	350.00	28-Feb-13
YA51190	Nucleus 002	19-Feb-14	3.25	325.00	28-Feb-17
YA51196	Nucleus 008	19-Feb-14	3.25	325.00	28-Feb-17
YA51198	Nucleus 010	19-Feb-14	3.25	325.00	28-Feb-17
YA51199	Nucleus 011	19-Feb-14	3.25	325.00	28-Feb-17
YA51200	Nucleus 012	19-Feb-14	3.25	325.00	28-Feb-17
YA51201	Nucleus 013	19-Feb-14	3.25	325.00	28-Feb-17
YA51202	Nucleus 014	19-Feb-14	3.25	325.00	28-Feb-17
YA51204	Nucleus 016	19-Feb-14	3.25	325.00	28-Feb-17
YA51207	Nucleus 019	19-Feb-14	3.25	325.00	28-Feb-17
YA51209	Nucleus 021	19-Feb-14	3.25	325.00	28-Feb-17
YA51210	Nucleus 022	19-Feb-14	3.25	325.00	28-Feb-17
YA51211	Nucleus 023	19-Feb-14	3.25	325.00	28-Feb-17
YA51213	Nucleus 025	19-Feb-14	3.25	325.00	28-Feb-17
YA51214	Nucleus 026	19-Feb-14	3.25	325.00	28-Feb-17
YA60268	Nucleus 047	19-Feb-14	3.25	325.00	28-Feb-17
YA60269	Nucleus 048	19-Feb-14	3.25	325.00	28-Feb-17
YB37987	Pauline 001	29-Jan-12	3.25	325.00	28-Feb-15
Y26365	Revenue 005	15-Mar-16	4.00	400.00	28-Feb-20
Y26366	Revenue 006	15-Mar-16	4.00	400.00	28-Feb-20
Y26404	Revenue 007	15-Mar-16	4.00	400.00	28-Feb-20
Y26405	Revenue 008	15-Mar-16	4.00	400.00	28-Feb-20
Y24017	Revenue 013	15-Mar-16	4.00	400.00	28-Feb-20
Y24018	Revenue 014	15-Mar-16	4.00	400.00	28-Feb-20
67180	Revenue Copper 001	15-Mar-16	4.00	400.00	28-Feb-20
67182	Revenue Copper 003	15-Mar-16	4.00	400.00	28-Feb-20
67184	Revenue Copper 005	15-Mar-16	4.00	400.00	28-Feb-20
67185	Revenue Copper 006	15-Mar-16	4.00	400.00	28-Feb-20
67186	Revenue Copper 007	15-Mar-16	4.00	400.00	28-Feb-20
67187	Revenue Copper 008	15-Mar-16	4.00	400.00	28-Feb-20

*pending approval of this filing

Figure 2 on the following page shows the claims the work was applied to.

determination. Material collected from outcrops of relatively fresh Bow Creek Granite near the point where the Freegold Road crosses Seymour Creek was used as the blank. This rock gives consistently low values in the elements of economic interest and is similar in hardness to the drill core.

Figure 5:
Drill Hole Location

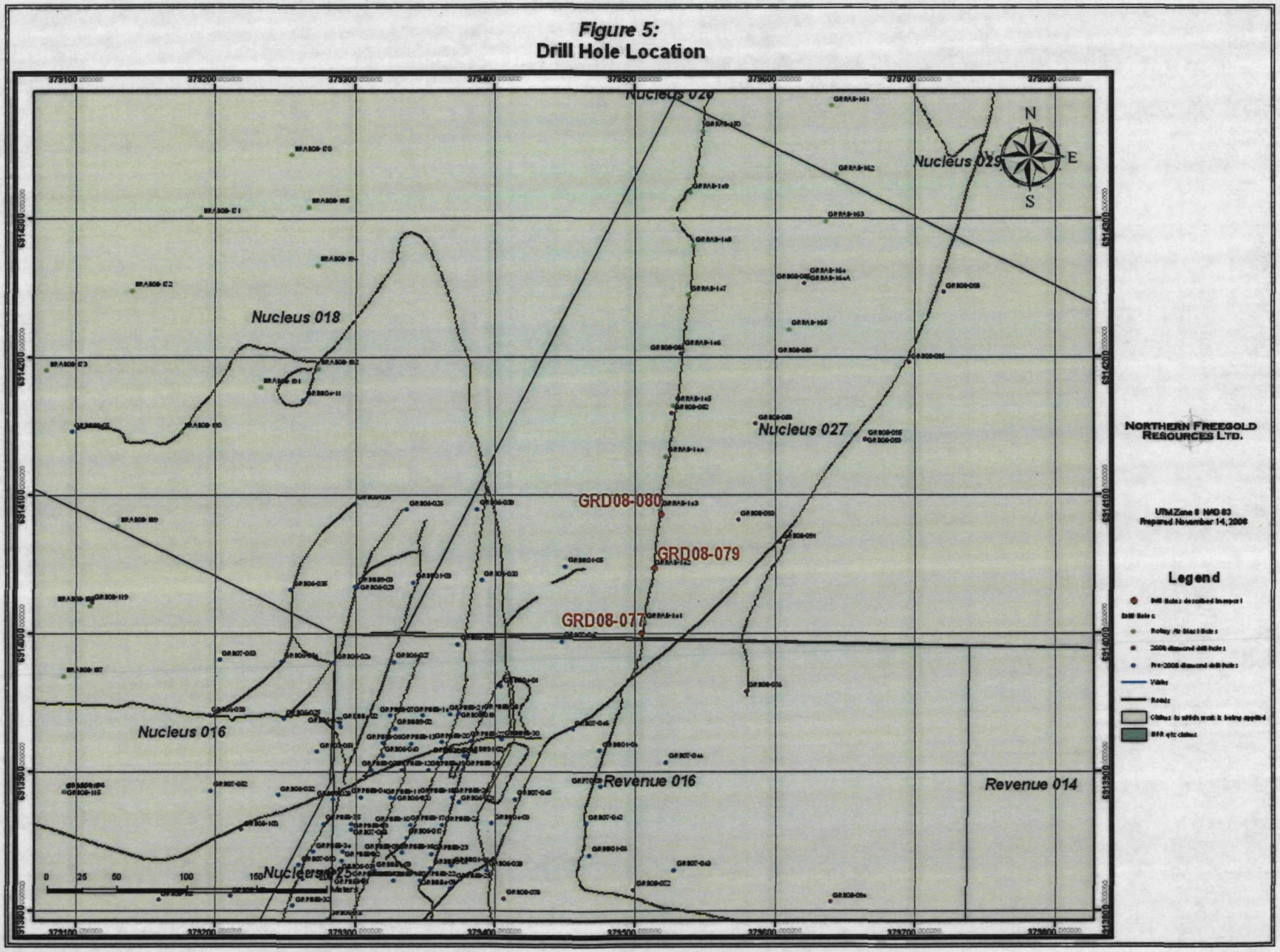
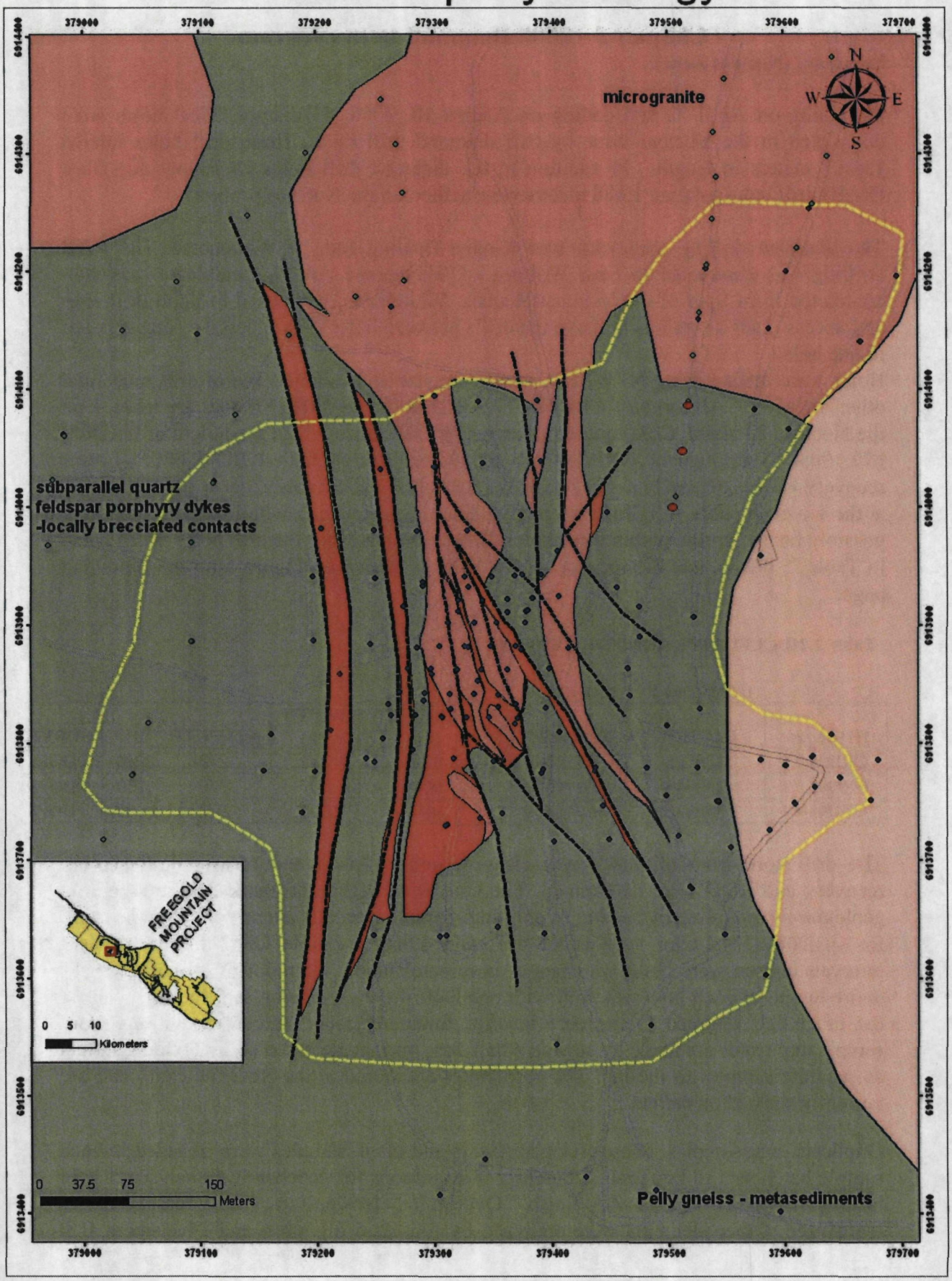


Figure 4:
Nucleus Property Geology



NORTHERN FREEGOLD RESOURCES LTD.

Legend

Geology
unit

UTM Zone 8 NAD 83
Prepared: December 2, 2008

Chapter 3 - 2008 Diamond Drill Program

Summary (Nucleus Zone):

Beginning on April 22 and ending on August 10, 2008, 53 diamond drill holes were completed in the Nucleus zone by two diamond drill rigs. These drill holes totaled 13,287 meters in length. In addition to the diamond drill holes 28 Rotary Air Blast (RAB) drill holes totaling 1,688 meters were drilled on the Nucleus property.

The diamond drilling contractor was Kluane Drilling Ltd. of Whitehorse. The RAB Drilling was contracted to Stan Wolarek of Whitehorse. A D-7 bulldozer was sub-contracted from Spur-of-the Moment Rentals. Whitehorse, were used to build drill sites and access roads as well as to move the drills between holes. Five feet of casing was left in one hole.

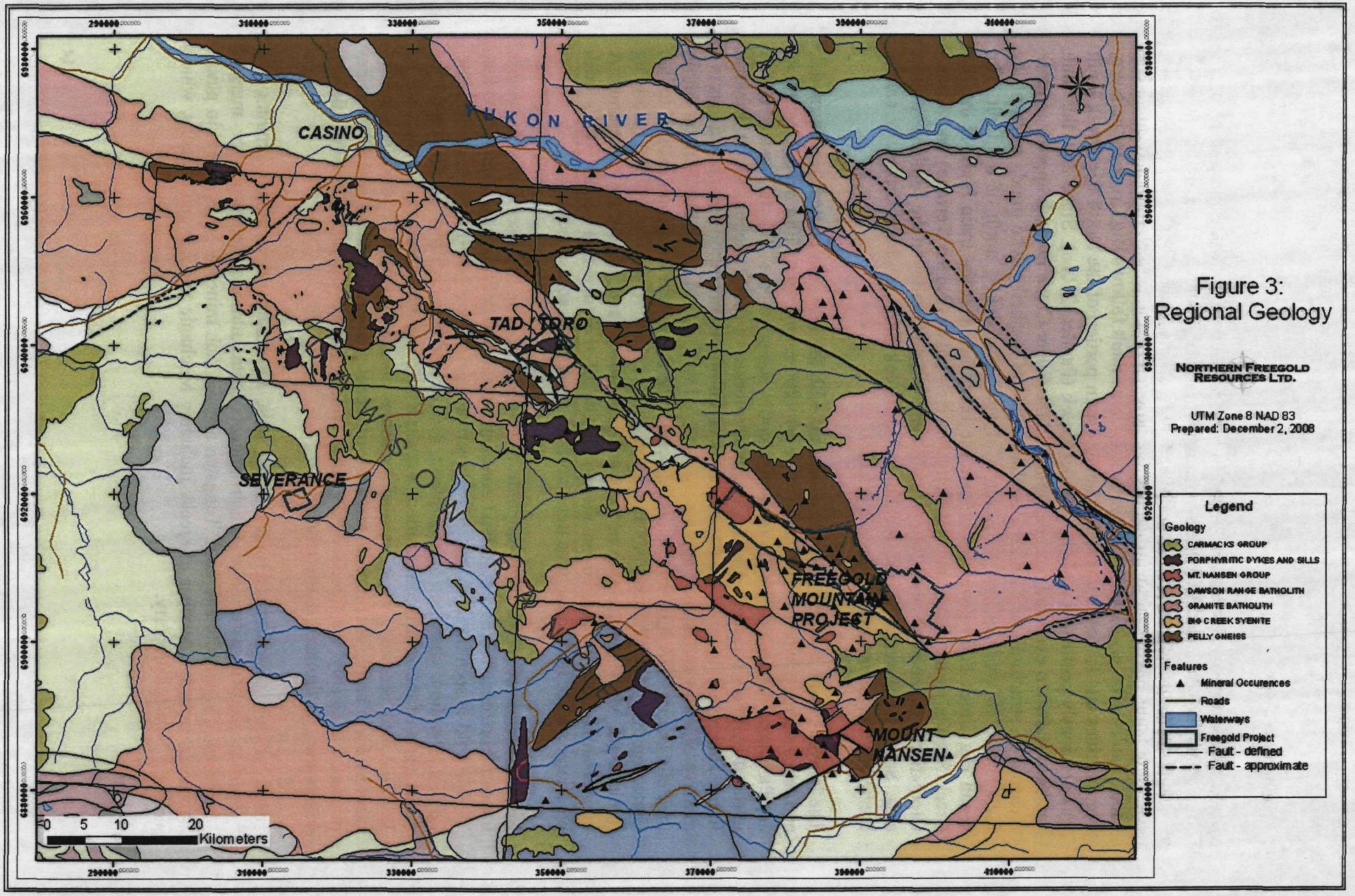
Holes were drilled using NTW (thin wall) core size and minimal use of drill muds and other additives. All three of GRD08-077, GRD08-079 and GRD08-080 are located on the Nucleus 27 claim. Core recovery averaged 99.73% throughout the length of GRD08-077, 96.45% throughout GRD08-079, and 98.62% throughout GRD08-080. Lower recovery values, generally associated with intensely oxidized zones, occur predominantly at the top of the hole with lower recovery values also occurring within heavily fractured, possibly faulted zones, within these holes. The co-ordinates for the drill holes are as listed in Table 2, below, and the location of the holes is shown on Figure 5 on the following page.

Table 2. NUCLEUS DIAMOND DILLING 2008

	UTM Zone 8	NAD 83					
HOLE No.	EASTING	NORTHING	ELEVATION (m)	DEPTH (m)	AZIMUTH	DIP	SURVEY
GRD08-77	379505	6914000	899	232	270	-50	DGPS
GRD08-79	379513	6914047	901	307	270	-50	DGPS
GRD08-80	379518	6914086	904	308	270	-50	DGPS

The drill core from all holes was cleaned, photographed and measured, then core recovery and RQD were determined. The core was logged and marked by the logging geologist for sampling by sawing or splitting. Sample intervals averaged 1.70m in length for GRD08-077, 1.69m for GRD08-079, and 1.66m for hole GRD08-080. Sample intervals chosen were based on changes in mineralization, alteration and lithology. The entire length of each hole was split with one half of the core being sent for analysis and the other half returned to the core box for future reference and/or resampling. Core sample duplicates are made by sawing a half core into quarters and sending both quarters as separate samples to the lab. The core boxes are stored at the Revenue camp and are currently stacked on pallets.

Duplicate core samples, commercial standards and blank samples were included in each sample batch sent to EcoTech Laboratory in Kamloops for geochemical analysis of gold by 30g fire assay with an AA finish. Overlimit (>1000ppb Au) were reassayed and reanalyzed. Other elements were analyzed by four acid digestion and 24 element ICP


YUKON RIVER
CASINO
TAD TORO
SEVERANCE
FREEGOLD MOUNTAIN PROJECT
MOUNT HANSEN
0 5 10 20
Kilometers
Figure 3:
Regional Geology
NORTHERN FREEGOLD RESOURCES LTD.
UTM Zone 8 NAD 83
Prepared: December 2, 2008
Legend
Geology
CARMACKS GROUP
PORPHYRITIC DYKES AND SILLS
MT. HANSEN GROUP
DAWSON RANGE BATHOLITH
GRANITE BATHOLITH
BIG CREEK SYENITE
PELLY GNEISS
Features
Mineral Occurences
Roads
Waterways
Freegold Project
Fault - defined
Fault - approximate

Property Geology

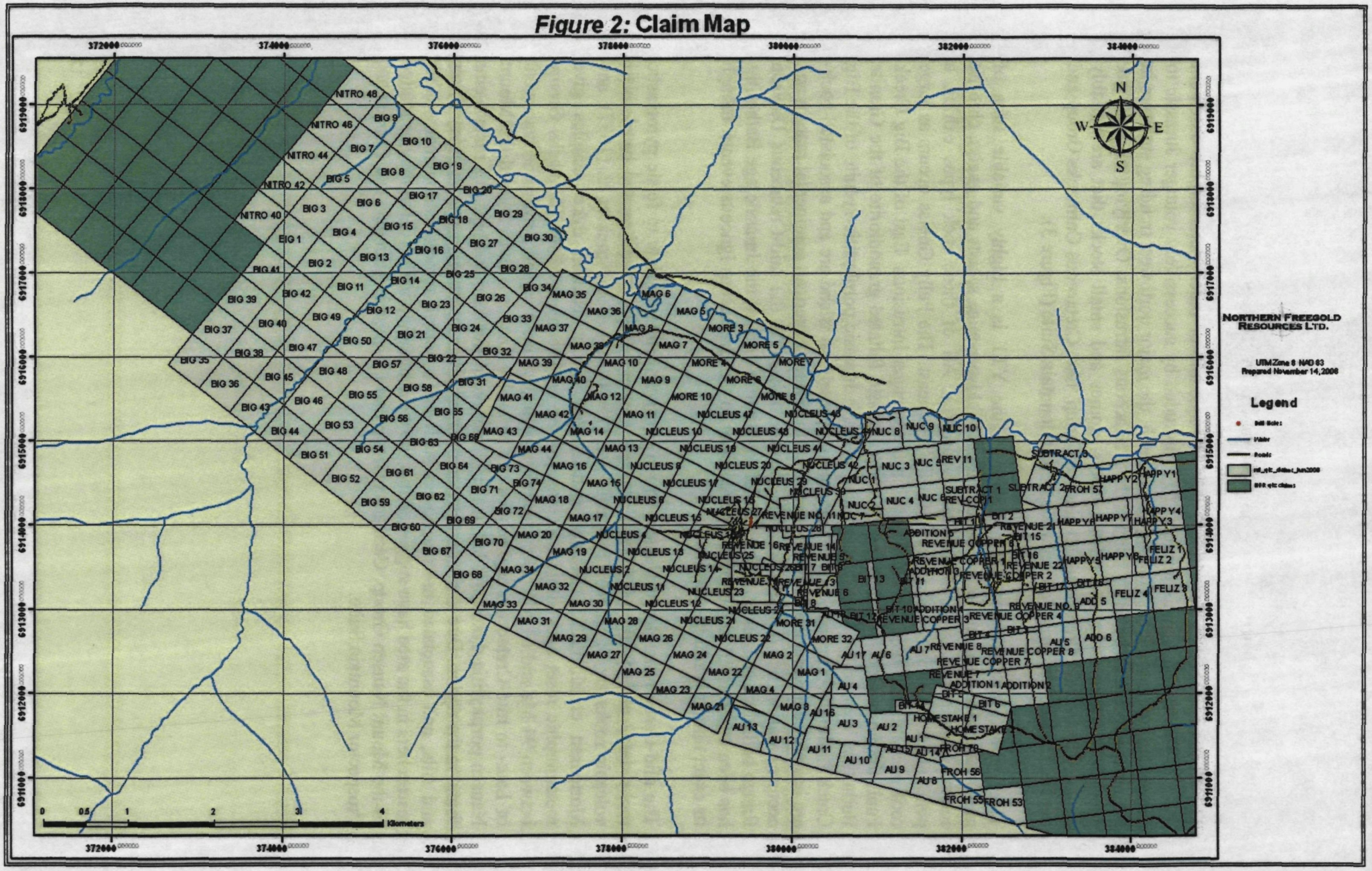
Mineralization within the area is believed to be associated with small plugs and breccia bodies that have intruded within an extensional rift environment, bounded by northwest trending faults that are referred to in the literature as splays of the Big Creek Fault. These bounding faults have been identified and are now referred to as the North and South Big Creek Faults (Pautler, 2006b). The North Big Creek Fault follows Big Creek in the Nitro, Big, Nuclues and Revenue areas. The southeastern portion of the North Big Creek Fault was previously postulated to follow Guder Creek (Pautler, 2006a). Since then this fault has been shown to exist and has been renamed the Guder Creek Fault. It appears to mark a change in structural trends with a predominance of northerly dyke trends south of the fault and more west-northwesterly trends of veins and dykes, north of the fault. The South Big Creek Fault generally follows the break between the main body of the Big Creek Syenite to the south and the Pelly Gneiss (Yukon-Tanana Terrane) and Casino Granodiorite to the north, then follows the Seymour Creek valley in the southeast project area. South of Revenue Creek, the South Big Creek Fault is characterized by calcite breccias along the northern slope of Iris Creek.

The Nucleus Zone mineralization is consistent with the intrusion related deposit model, and has a current drilled extent 800m wide by 1200m long and 120m deep. Host rocks are Paleozoic metasediments (dominantly biotite schist) of the Yukon Tanana terrane intruded by mid-Cretaceous granites and granodiorites of the Whitehorse Suite, Dawson Range Batholith (Figure 4). One of the major styles of mineralization seen in Nucleus is a massive skarn mineralization appears to be hosted within an amphibolites horizon within the Pelly Gneiss. Other mineralization appears to be concurrent with younger, mid to late Cretaceous, small felsic intrusions and quartz feldspar porphyry dykes (QFPs) belonging to either the Mt. Nansen Group or the Carmacks Group that crosscut the older units. A microgranite stock is located on the north side of the zone and related QFPs with brecciated and/or faulted margins trend northwest-southeast across the zone.

Mineralization occurs as quartz-sulphide veins and stringers, as disseminated sulphides, in skarn horizons, in breccias, in fault zones and in the quartz-feldspar porphyritic bodies. Visible gold is seen in the skarns and epithermal veins in the gold-rich core of the zone. Phyllic alteration, characterized by quartz, sericite and pyrite, forms a halo around the richer parts of the zone and transitions outwards into argillic alteration characterized by kaolinite and sericite. There is also evidence of the presence of less well-defined carbonate and biotite alteration zones. Lack of recent glaciation in the Dawson Range has produced a deeply weathered oxide zone which extends 50-100 m below surface, overprinting hydrothermal alteration.

Placer gold is ubiquitous throughout the area. Operating placer mines draining the properties recover wire gold, rough nuggets with attached quartz and/or nuggets composed of magnetite and gold. Tungsten and bismuth minerals are common in placer concentrates from a number of creeks including Mechanic and Revenue Creeks, which drain the Nucleus property.

Figure 2: Claim Map



Chapter 2 – Regional and Property Geology

The Nucleus properties lie within a belt of Paleozoic or older metamorphic basement rocks of the Yukon Tanana terrane (YTT) intruded by successively younger Jurassic to Cretaceous age intrusions. The Big Creek Fault, the major northwest trending structure in the area, appears to be the locus for the Cretaceous intrusions. Overlying all units are younger volcanic rocks and related dykes, domes and small stocks that are variably assigned to the mid Cretaceous Mt Nansen Group, Late Cretaceous Carmacks Group and the late Cretaceous/early Tertiary Prospector Mountain Suite (Figure 3).

The Devono-Mississippian Pelly Gneiss of the YTT is a highly variable suite of metamorphosed rocks including banded quartz-feldspar-mica schists and gneiss, chlorite schist, amphibolite, grey marble and quartzites. All of these rock types exhibit a penetrative foliation and dip steeply to the northeast. The Pelly Gneiss occurs as large roof pendants and larger xenoliths within the younger intrusions. East of the Big Creek Fault the Pelly Gneiss is intruded by early Jurassic foliated granodiorite of the Granite Batholith. West of the fault it is intruded by early Jurassic porphyritic syenite of the Big Creek Batholith. This package is thought to represent an island arc and associated back-arc basinal sediments that were deposited on the North American continental margin and accreted during late Triassic to early Jurassic times. As the mid-Cretaceous Dawson Range batholiths are undeformed the deformation of both of the Jurassic age Batholiths has been constrained to having happened prior to the Cretaceous igneous events, though its exact timing is still in question.

The mid-Cretaceous Mount Nansen Group consists of intermediate to felsic pyroclastic rocks dated at 105-100 Ma. The Carmacks Group basalts, andesites and basal felsic volcanic rocks are of Upper Cretaceous age (75-70 Ma). Both Smuk et al. (1997), and Mortensen et al. (2003) showed that altered Mount Nansen dyke samples give metamorphic reset ages similar to those of the emplacement of the Carmacks Group, between 94 Ma and 61 Ma. They therefore proposed that a regional hydrothermal event of Late- to mid-Cretaceous age related to Carmacks igneous activity altered the Mount Nansen porphyritic dykes and led to the formation of the base and precious metal veins found in the region. Due to the association of small plugs, quartz-feldspar porphyry dykes and sills, and associated breccia bodies with the observed mineralization many other researchers in the area have suggested that the mineralization in the region may be related to the Mount Nansen Group, Carmacks Group and the slightly younger, late Cretaceous, Prospector Mountain Suite.

B. Drill Hole Summaries:

GRD08-077

Hole GRD08-077 was 231.65m long, with an azimuth of 270° (due West) and a dip of -50°. It intersects foliated schists and gneisses of the Pelly Gneiss down to 50m. Most of the metasediments encountered in this hole are relatively quartz-rich with mafics often altered to clays and becoming more predominant further down in the hole as oxidation decreases. Foliation of these units is extremely variable ranging from near parallel to the core axis (15°C.A.) to nearly perpendicular (70°C.A.). Between 50 and 187m the metasediments are intruded by a fine-grained intrusive of approximately granitic composition that has been classified as a microgranite (thought to belong to the late Cretaceous Carmacks Group). Below 187m the microgranite becomes less frequent and a medium grained granite of the Dawson Range Batholith intrudes the metasediments. Many relatively short intervals of brecciation, particularly of the schist also exist. These brecciated sections are commonly found near contacts between the microgranite and the schist. Hole GRD08-077 was drilled to follow-up results from the 2007 RAB drilling program.

Minor oxidation continues patchily throughout the entire hole with total oxidation ending at approximately 114.3m above which oxides such as limonite and hematite dominate and after which sulphide mineralization is dominant. The sulphide minerals are almost entirely pyrite with minor chalcopyrite accessory to it in places. Mineralization occurs throughout the hole but seems to be hosted consistently in the schists particularly where they've been brecciated either by faulting or by emplacement of the intrusions.

Significant results include 11.21m grading 0.82 g/tonne Au and 0.04% Cu from 93.14m and 6.23m grading 1.43 g/tonne Au and 0.07% Cu from 109.25m. These intervals are host to moderately oxidized schists and intensely oxidized schists when in contact with some microgranite dikes. A few vuggy quartz limonite veins are also present that typically host gold mineralization within the Nucleus Zone. Minor brecciated sections occur along the contacts with the schist and microgranite units. GRD08-077 also intersected 13.60m grading 1.46g/tonne Au and 0.05% Cu from 129.86m within the start of the sulphide zone hosting clay altered schists and microgranites. The area just below the oxidized zone tends to host mineralization.

A cross section through drill hole GRD08-077 showing drilling is shown in Figure 6. The drill logs and assay results for for holes GRD08-077, 079 and 080 are found in Appendix 1

Table 3: Significant Drill Intercepts GR08-077

Hole No.	Length (m)	From (m)	To (m)	Interval (m)	Interval (feet)	Au (g/tonne)	Au (oz/ton)	Cu %
GRD08-077	231.65	93.14	104.35	11.21	36.78	0.82	0.02	0.04
GRD08-077		109.25	115.48	6.23	20.44	1.43	0.04	0.07
GRD08-077		129.86	143.46	13.60	44.62	1.46	0.04	0.05

GRD08-079

Hole GRD08-079 was 307m long with an azimuth of 270° and a plunge of -50°. The hole is dominantly alternating metasediments and microgranite with minor granite. Schistose foliation is variable ranging from almost parallel to the core (10°C.A.) to almost perpendicular to the core (80°C.A.) but averaging at approximately 50°C.A. Hole GRD08-079 was drilled to follow-up results from the 2007 RAB drilling program.

As shallow as 10 metres these metasediments are peppered with microgranitic intrusions of the Carmacks Group with intrusion widths varying from very small (only a few centimetres) to significantly large (a few metres). Deeper in the hole at approximately 240 metres the hole starts to encounter the coarser grained granitic intrusions of the Dawson Range Batholith. Both the microgranite and the coarser grained granitoid have an approximately granitic composition with a few coarser intervals possibly having a more dioritic composition. Brecciated intervals occur throughout the hole particularly at and near contacts but also in and around faulted zones.

To a certain extent oxidation continues throughout almost the entire hole, although it becomes mostly localised to fracture surfaces and stringers by 65m. In oxidized areas, limonite and biotite dominate and other mafics are often degraded or almost wiped out by oxide and clay-rich alteration. Below this depth only intensely fractured or faulted areas show more intensive oxidation. Unoxidized pyrite starts becoming noticeable by approximately 35 meters in depth but does not become predominant over oxidized sulphides until almost 120 meters. Sulphide minerals found are dominated by pyrite with lesser amounts of chalcopyrite and arsenopyrite also present in some intervals. Mineralization occurs primarily in stringers, veinlets, and breccias but significant mineralization is also found disseminated, particularly seeming to follow foliation within the schists and as massive inclusions and blebs. Mineralization is present through much of the hole but seems to intensify very slightly near the contacts between the schist and microgranite with less effect seen with the granite.

Significant results from GRD08-079 include 23.08m grading 0.75g/tonne Au and 0.08% Cu from 102.26m including 2.58m grading 3.55g/tonne Au and 0.39% Cu from 114.62m. This interval is within a zone of moderate oxidation and moderately brecciated schists intruded by a few microgranites. The main interval is also host to several vuggy quartz and sulphide veins. Sulphides within these veins include oxidized sulphides, limonite, pyrite, oxidized pyrite and arsenopyrite. The high grade interval is host with a schist unit with microgranite dikes on either side. A couple of sulphide rich vuggy quartz veins are present within this high grade interval with the vein hosting oxidized sulphides, limonite, pyrite, oxidized pyrite and arsenopyrite.

Another significant interval is from 129.00m grading 0.79g/tonne Au and 0.03% Cu for 3.59m. Mineralization within this interval is due to weakly oxidized schist in contact with a microgranite unit. Several minor faults and veins are present within this interval. The veins are generally vuggy hosting quartz, limonite, pyrite, oxidized pyrite and oxidized sulphides.

A cross section through drill hole GRD08-079 showing drilling and interpretation is shown in Figure 7.

Table 4: Significant Drill Intercepts GRD08-079

Hole No.	Length (m)	From (m)	To (m)	Interval (m)	Interval (feet)	Au (g/tonne)	Au (oz/ton)	Cu %
GRD08-079	308.07	102.26	125.34	23.08	75.72	0.75	0.02	0.08
incl.		114.62	117.2	2.58	8.46	3.55	0.10	0.39
GRD08-079		129	132.59	3.59	11.78	0.79	0.02	0.03

GRD08-080

Hole GRD08-80 was drilled due west, at an azimuth of 270° with a dip of -50. It reached a total length of 308m. Similar to GRD08-079 it intersects alternating schists and microgranite. Foliation is variable ranging from 10° to core axis to 75° from core axis. Average foliation direction over the entire hole is approximately 50° from the core axis. Hole GRD08-080 was drilled to follow-up results from the 2007 RAB drilling program.

Starting at approximately 48 meters of depth many variably sized intervals of the microgranite, thought to represent the Carmacks Group intrusions, cut across these schists. Unlike the other two holes examined in this report GRD08-080 lacks any coarser grained granitic intrusions. Brecciation in this hole seems slightly less related to adjacency to contacts than the two previously described, although a few contacts are still associated with brecciation. There are several cases of breccia veining, at least one significant interval of which is positively identified as a hydrothermal breccia.

Oxidation extends down to approximately 140 metres after which it is confined to fracture surfaces. The first unoxidized sulphides are visible at approximately 16 meters depth with oxidized sulphides mostly disappearing by approximately 88 metres depth except in areas of localised oxidation. Mineralization is dominated by pyrite with minor chalcopyrite in some intervals. Mineralization is dominantly found in veins, stringers, disseminations and breccias with some also occurring as massive inclusions and blebs. Sulphides in breccias can be found both in the matrix and as clasts depending on the brecciated interval. Only a very slight, if any, correlation between increased sulphide content and proximity to contacts is visible. The most consistently mineralized sections are those that are brecciated.

Significant results within the oxidized zone include 8.75m grading 0.92 g/tonne Au and 0.01% Cu from 71.03m, 3.33m grading 1.82 g/tonne Au and 0.01% Cu from 105.92m, 2.52m grading 1.24g/tonne Au and 0.03% Cu from 131.95m and 1.16m grading 1.66g/tonne Au and 0.01% Cu from 143.14m. These intervals are host within weak to intensely oxidized schists and microgranites. Contacts between the schists and microgranites are typically brecciated and host the mineralization.

Other significant results outside the oxide zone include 4.15m grading 0.85g/tonne Au and 0.02% Cu from 157.60m, 8.03m grading 0.51g/tonne Au and 0.03% Cu from 190.40m and 5.28m grading 1.01 g/tonne Au and 0.01% Cu from 235.02m. Within these intervals are several microgranite dikes intruding the host schist. Minor brecciation of the schist is associated with the schist. Several pyrite rich veins and quartz pyrite veins are also present within the schist which could be associated with the microgranite intruding the schist. These events are probably the cause and host of the gold mineralization.

A cross section through drill hole GRD08-080 showing drilling and interpretation is shown in Figure 8.

Table 5: Significant Drill Intercepts GRD08-080

Hole No.	Length (m)	From (m)	To (m)	Interval (m)	Interval (feet)	Au (g/tonne)	Au (oz/ton)	Cu %
GRD08-080	307.85	71.03	79.78	8.75	28.71	0.92	0.03	0.01
GRD08-080		105.92	109.25	3.33	10.93	1.82	0.05	0.01
GRD08-080		131.95	134.47	2.52	8.27	1.24	0.04	0.03
GRD08-080		143.14	144.30	1.16	3.81	1.66	0.05	0.01
GRD08-080		157.60	161.75	4.15	13.62	0.85	0.02	0.02
GRD08-080		190.40	198.43	8.03	26.35	0.51	0.01	0.03
GRD08-080		235.02	240.30	5.28	17.32	1.01	0.03	0.01

Chapter 4 - Conclusions and Recommendations

The Nucleus zone hosts large tonnage, lower grade, disseminated gold mineralization and higher grade, structurally controlled skarns and vein gold mineralization. The geological setting, alteration, mineralization and metal associations exhibit characteristics of intrusion related deposits.

Mineralization is hosted in and adjacent to late Cretaceous age quartz-feldspar porphyry dykes and sills which have been emplaced into a sequence of older metasedimentary schists and gneisses. The porphyry dykes probably fractured the host rock and prepared the ground for the mineralized veins which crosscut all rock types. Faults have also been found to host mineralization. In younger faults this may be because the faults occurred along zones that had been previously altered and mineralized. In older faults, the brecciated and broken material may have provided the permeability required to allow the flow of mineralizing fluids and therefore was an ideal location for mineralization to occur. Skarn mineralization is hosted within an amphibolites horizon in the metasediments.

Holes GRD08-077, 079 and 080 extend the known mineralized area further to the North towards the original Anomaly One discovery areas in the Nucleus Zone. This area has received limited drilling since it was first discovered. Follow-up drilling to the North and East of these holes seems to be defining a mineralized zone hosted within breccias and stockwork veins. Further drilling to the north, towards Anomaly One to the west is recommended to continue expanding mineralization in the Nucleus Zone.

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Certificates

I, DEBORAH JAMES, of the City of Mill Bay, in the Province of British Columbia, HEREBY CERTIFY:

1. That I am a geologist and that I worked at the property from July to October in 2006, May to October in 2007, and April to October in 2008.

2. That I am a graduate of the University of British Columbia (B.Sc. Geology, 1988).

3. That I have engaged in mineral exploration and development on a full time basis for six year in the 1980's and 2000's.

4. That I am an employee of Bushmaster Exploration Services (2008) Ltd. Which conducts the fieldwork at the Freegold mountain Project for Northern Freegold Resources Ltd.

SIGNED at Vancouver, B.C. this 15th day of December, 2008.

Deborah James

I, EMILY MILLER, of the City of North Vancouver, in the Province of British Columbia, HEREBY CERTIFY:

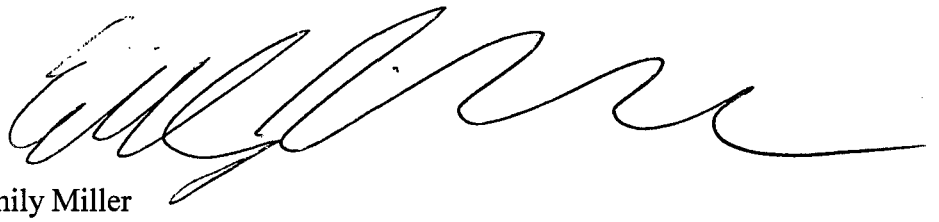
1. That I am a geologist and that I worked at the property from June to August in 2006, May to August in 2007, and May to October in 2008.

2. That I am a graduate of the University of Alberta (B.Sc. Geology, 2008).

3. That I have engaged in mineral exploration and development on a seasonal basis for three years and on a full time basis for eight months.

4. That I am an employee of Bushmaster Exploration Services (2008) Ltd. Which conducts the fieldwork at the Freegold mountain Project for Northern Freegold Resources Ltd.

SIGNED at Vancouver, B.C. this 15th day of December, 2008.



Emily Miller

Statement of Costs

Drill Hole	Depth (m)	Total
GRD08-077	237.74	$30,989.28
GRD08-079	306.63	$40,724.13
GRD08-080	321.56	$44,220.28
		$115,933.69

CLIENT:	**BUSHMASTER EXPLORATION**
CONT #	**NFR 003**
RIG #	**KD-1**

Kluane Drilling Ltd.

14 MacDonald Rd., Whitehorse, Yukon Y1A 4L2

Tel: (867) 633-4800 Fax: (867) 633-3641

kluanedrilling@nothwestel.net

HOLE #	**GRD08-80**
FROM:	**3-Jun-2008**
TO:	**6-Jun-2008**
METERS DRILLED	**321.56**
COST OF HOLE	**$44,220.28**

CASING AND DRILLING CHARGEABLES

SIZE	METERS	DEPTH FROM	DEPTH TO	METERS DRILLED	RATE P/M	TOTAL (CAD)
HW	**0.00**	0	30	0.00	123.00	**0.00**
NW	**15.24**	0	30	15.24	119.00	**1,813.56**
HQ	**0.00**	0	150	0.00	113.00	**0.00**
		150	300	0.00	129.00	**0.00**
NTW	**306.32**	0	300	300.00	119.00	**35,700.00**
		300	500	6.32	126.00	**796.82**
BTW	**0.00**	0	300	0.00	119.00	**0.00**
		300	500	0.00	123.00	**0.00**
TOTAL CASING AND DRILLING CHARGEABLES						**38,310.38**

HOURLY CHARGEABLES

DESCRIPTION	TOTAL SHOTS	TOTAL HOURS	RATE P/H	TOTAL (IN CAD)
MOVING		2.00	100.00	**200.00**
REAMING		4.00	136.00	**544.00**
STABILIZATION		20.00	136.00	**2,720.00**
CEMENTING		0.00	136.00	**0.00**
WATER SUPLY		3.00	100.00	**300.00**

TESTING		0.00	136.00	**0.00**
STAND-BY		0.00	100.00	**0.00**
STAND-BY DUE TO CLIENT		0.00	136.00	**0.00**
TRAVEL	OVER 1.0 HR/SH	0.00	100.00	**0.00**
WASHING HOLES		0.00	136.00	**0.00**
MOBILIZATION		0.00	100.00	**0.00**
DEMOBILIZATION		0.00	100.00	**0.00**
DIFF. IN HRS DRILLER HOURLY RATE $55.00		0.00	55.00	**0.00**
DIFF. IN HRS HELPER HOURLY RATE $45.00		0.00	45.00	**0.00**

TOTAL HOURLY CHARGEABLES	**3,764.00**

CONSUMABLES, EQUIPMENT AND OTHER SUPLIES

DESCRIPTION	QTY.	UNIT PRICE (CAD)	TOTAL (IN CAD)
EXTREME NUMBER ONE 15KG	1	178.00	**178.00**
EXTRE0E SUPER G-GOLD 20L	2	165.00	**330.00**
EXTREME SUPER G BLUE 20L	3	165.00	**495.00**
ROD GREASE (17KG)	2	104.70	**209.40**
CLAY SEAM	2	140.00	**280.00**
555X Polymer (West Coast)	2	144.50	**289.00**
LINSEED SOAP (23KG)	1	84.60	**84.60**
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
			0.00
PLUS 15%			**279.90**
TOTAL CONSUMABLES, EQUIPMENT AND OTHER SUPLIES			**2,145.90**

OTHER CHARGEABLES

DESCRIPTION	TIME BASIS	UNITS ITEMS	RATE PER UNIT / ITEM	TOTAL (IN CAD)
EXTRA PUMP	DAILY			**0.00**
EXTRA HOSE	DAILY			**0.00**
RECIRCULATION PUMP				**0.00**
OTHER				**0.00**
OTHER				**0.00**
OTHER				**0.00**

OTHER	**0.00**
PLUS 15%	**0.00**
TOTAL OTHER CHARGEABLES	**0.00**

SUMMARY OF CHARGEABLES

CASING AND DRILLING CHARGEABLES	**38,310.38**
HOURLY CHARGEABLES	**3,764.00**
CONSUMABLES, EQUIPMENT AND OTHER SUPLIES	**2,145.90**
OTHER CHARGEABLES	**0.00**
TOTAL BEFORE TAXES	**44,220.28**

Appendix 1

GRD08-077, 079 and 080 Dill Logs and Assay Certificates

NUCLEUS BATCH SAMPLE SHEET 2008REV010A

No.	Hole number	Interval From (m)	Interval To (m)	Length (m)	Sample Number	Remarks	Orig_SampleID	QC_category	Bag	Dispatch Date	Priority	Sample Type	Lab	Sample Method
1	GRD08-077	2.57	4.57	2.00	8R162914				1	25-Jun-08	N	HCORE	Assayers	Split
2	GRD08-077	4.57	6.57	2.00	8R162915				1	25-Jun-08	N	HCORE	Assayers	Split
3	GRD08-077	6.57	8.57	2.00	8R162916				1	25-Jun-08	N	HCORE	Assayers	Split
4	GRD08-077	8.57	10.57	2.00	8R162917				1	25-Jun-08	N	HCORE	Assayers	Split
5	GRD08-077	10.57	12.57	2.00	8R162918				2	25-Jun-08	N	HCORE	Assayers	Split
6	GRD08-077	12.57	13.72	1.15	8R162919				2	25-Jun-08	N	HCORE	Assayers	Split
7	GRD08-077				8R162920	Blank	Blank	Blank	2	25-Jun-08	N	HCORE	Assayers	
8	GRD08-077	13.72	14.88	1.16	8R162921				2	25-Jun-08	N	HCORE	Assayers	Split
9	GRD08-077	14.88	16.23	1.35	8R162922				2	25-Jun-08	N	HCORE	Assayers	Split
10	GRD08-077	16.23	17.75	1.52	8R162923				3	25-Jun-08	N	HCORE	Assayers	Split
11	GRD08-077	17.75	19.81	2.06	8R162924				3	25-Jun-08	N	HCORE	Assayers	Split
12	GRD08-077	19.81	21.68	1.87	8R162925				3	25-Jun-08	N	HCORE	Assayers	Split
13	GRD08-077	21.68	22.98	1.30	8R162926				3	25-Jun-08	N	HCORE	Assayers	Split
14	GRD08-077	22.98	24.79	1.81	8R162927				4	25-Jun-08	N	HCORE	Assayers	Split
15	GRD08-077	24.79	25.91	1.12	8R162928				4	25-Jun-08	N	HCORE	Assayers	Split
16	GRD08-077	25.91	27.91	2.00	8R162929				4	25-Jun-08	N	HCORE	Assayers	Split
17	GRD08-077				8R162930	PM414	PM414	Standard	4	25-Jun-08	N	HCORE	Assayers	
18	GRD08-077	27.91	29.48	1.57	8R162931				4	25-Jun-08	N	HCORE	Assayers	Split
19	GRD08-077	29.48	31.66	2.18	8R162932				5	25-Jun-08	N	HCORE	Assayers	Split
20	GRD08-077	31.66	33.71	2.05	8R162933				5	25-Jun-08	N	HCORE	Assayers	Split
21	GRD08-077	33.71	35.71	2.00	8R162934				5	25-Jun-08	N	HCORE	Assayers	Split
22	GRD08-077	35.71	37.71	2.00	8R162935				6	25-Jun-08	N	HCORE	Assayers	Split
23	GRD08-077	37.71	39.90	2.19	8R162936				6	25-Jun-08	N	HCORE	Assayers	Split
24	GRD08-077	39.90	41.90	2.00	8R162937				6	25-Jun-08	N	HCORE	Assayers	Split
25	GRD08-077	41.90	43.75	1.85	8R162938				7	25-Jun-08	N	HCORE	Assayers	Split
26	GRD08-077	43.75	45.75	2.00	8R162939				7	25-Jun-08	N	HCORE	Assayers	Split
27	GRD08-077				8R162940	Oreas50Pb	Oreas50Pb	Standard	7	25-Jun-08	N	HCORE	Assayers	
28	GRD08-077	45.75	47.10	1.35	8R162941				7	25-Jun-08	N	HCORE	Assayers	Split
29	GRD08-077	47.10	49.10	2.00	8R162942				7	25-Jun-08	N	HCORE	Assayers	Split
30	GRD08-077	49.10	50.23	1.13	8R162943				8	25-Jun-08	N	HCORE	Assayers	Split
31	GRD08-077	50.23	51.45	1.22	8R162944				8	25-Jun-08	N	HCORE	Assayers	Split
32	GRD08-077	51.45	53.45	2.00	8R162945				8	25-Jun-08	N	HCORE	Assayers	Split
33	GRD08-077	53.45	54.56	1.11	8R162946				8	25-Jun-08	N	HCORE	Assayers	Split
34	GRD08-077	54.56	56.56	2.00	8R162947				9	25-Jun-08	N	HCORE	Assayers	Split
35	GRD08-077	56.56	58.56	2.00	8R162948				9	25-Jun-08	N	HCORE	Assayers	Split
36	GRD08-077	58.56	60.33	1.77	8R162949				9	25-Jun-08	N	HCORE	Assayers	Split
37	GRD08-077				8R162950	Blank	Blank	Blank	10	25-Jun-08	N	HCORE	Assayers	
38	GRD08-077	60.33	62.33	2.00	8R162951				10	25-Jun-08	N	HCORE	Assayers	Split
39	GRD08-077	62.33	64.33	2.00	8R162952	Duplicated			10	25-Jun-08	N	QCORE	Assayers	Saw
40	GRD08-077	64.33	65.53	1.20	8R162953				10	25-Jun-08	N	HCORE	Assayers	Split
41	GRD08-077	65.53	66.94	1.41	8R162954				11	25-Jun-08	N	HCORE	Assayers	Split
42	GRD08-077	66.94	68.16	1.22	8R162955				11	25-Jun-08	N	HCORE	Assayers	Split
43	GRD08-077	68.16	70.16	2.00	8R162956				11	25-Jun-08	N	HCORE	Assayers	Split
44	GRD08-077	70.16	71.22	1.06	8R162957				11	25-Jun-08	N	HCORE	Assayers	Split
45	GRD08-077	71.22	72.09	0.87	8R162958				11	25-Jun-08	N	HCORE	Assayers	Split
46	GRD08-077	72.09	72.93	0.84	8R162959				12	25-Jun-08	N	HCORE	Assayers	Split
47	GRD08-077	62.33	64.33	2.00	8R162960	Duplicate of 8R16295	Duplicate	Duplicate	12	25-Jun-08	N	QCORE	Assayers	Saw
48	GRD08-077	72.93	73.52	0.59	8R162961				12	25-Jun-08	N	HCORE	Assayers	Split
49	GRD08-077	73.52	74.67	1.15	8R162962				12	25-Jun-08	N	HCORE	Assayers	Split
50	GRD08-077	74.67	76.67	2.00	8R162963				12	25-Jun-08	N	HCORE	Assayers	Split

NUCLEUS BATCH SAMPLE SHEET 2008REV010B

No.	Hole number	Interval From (m)	Interval To (m)	Length (m)	Sample Number	Remarks	Orig_SampleID	QC_category	Bag	Dispatch Date	Priority	Sample Type	Lab	Sample Method
1	GRD08-077	76.67	78.70	2.03	8R162964				1	28-Jun-08	N	HCORE	Assayers	Split
2	GRD08-077	78.70	80.70	2.00	8R162965				1	28-Jun-08	N	HCORE	Assayers	Split
3	GRD08-077	80.70	82.23	1.53	8R162966				1	28-Jun-08	N	HCORE	Assayers	Split
4	GRD08-077	82.23	84.23	2.00	8R162967				2	28-Jun-08	N	HCORE	Assayers	Split
5	GRD08-077	84.23	86.23	2.00	8R162968				2	28-Jun-08	N	HCORE	Assayers	Split
6	GRD08-077	86.23	88.23	2.00	8R162969				2	28-Jun-08	N	HCORE	Assayers	Split
7	GRD08-077				8R162970	PM422	PM422	Standard	3	28-Jun-08	N	HCORE	Assayers	
8	GRD08-077	88.23	89.60	1.37	8R162971				3	28-Jun-08	N	HCORE	Assayers	Split
9	GRD08-077	89.60	91.44	1.84	8R162972				3	28-Jun-08	N	HCORE	Assayers	Split
10	GRD08-077	91.44	93.14	1.70	8R162973				3	28-Jun-08	N	HCORE	Assayers	Split
11	GRD08-077	93.14	95.14	2.00	8R162974				4	28-Jun-08	N	HCORE	Assayers	Split
12	GRD08-077	95.14	97.14	2.00	8R162975				4	28-Jun-08	N	HCORE	Assayers	Split
13	GRD08-077	97.14	98.26	1.12	8R162976				4	28-Jun-08	N	HCORE	Assayers	Split
14	GRD08-077	98.26	99.35	1.09	8R162977				4	28-Jun-08	N	HCORE	Assayers	Split
15	GRD08-077	99.35	101.35	2.00	8R162978				5	28-Jun-08	N	HCORE	Assayers	Split
16	GRD08-077	101.35	103.35	2.00	8R162979				5	28-Jun-08	N	HCORE	Assayers	Split
17	GRD08-077				8R162980	Blank	Blank	Blank	5	28-Jun-08	N	HCORE	Assayers	
18	GRD08-077	103.35	104.35	1.00	8R162981				5	28-Jun-08	N	HCORE	Assayers	Split
19	GRD08-077	104.35	105.64	1.29	8R162982				6	28-Jun-08	N	HCORE	Assayers	Split
20	GRD08-077	105.64	107.25	1.61	8R162983				6	28-Jun-08	N	HCORE	Assayers	Split
21	GRD08-077	107.25	109.25	2.00	8R162984				6	28-Jun-08	N	HCORE	Assayers	Split
22	GRD08-077	109.25	111.25	2.00	8R162985				6	28-Jun-08	N	HCORE	Assayers	Split
[illegible]	GRD08-077	111.25	112.83	1.58	8R162986				7	28-Jun-08	N	HCORE	Assayers	Split
[illegible]	GRD08-077	112.83	114.30	1.47	8R162987				7	28-Jun-08	N	HCORE	Assayers	Split
[illegible]	GRD08-077	114.30	115.48	1.18	8R162988				7	28-Jun-08	N	HCORE	Assayers	Split
26	GRD08-077	115.48	117.00	1.52	8R162989				7	28-Jun-08	N	HCORE	Assayers	Split
27	GRD08-077				8R162990	Oreas50Pb	Oreas50Pb	Standard	7	28-Jun-08	N	HCORE	Assayers	
28	GRD08-077	117.00	117.83	0.83	8R162991				8	28-Jun-08	N	HCORE	Assayers	Split
29	GRD08-077	117.83	119.33	1.50	8R162992				8	28-Jun-08	N	HCORE	Assayers	Split
30	GRD08-077	119.33	120.67	1.34	8R162993				8	28-Jun-08	N	HCORE	Assayers	Split
31	GRD08-077	120.67	122.67	2.00	8R162994				8	28-Jun-08	N	HCORE	Assayers	Split
32	GRD08-077	122.67	123.86	1.19	8R162995				9	28-Jun-08	N	HCORE	Assayers	Split
33	GRD08-077	123.86	125.86	2.00	8R162996				9	28-Jun-08	N	HCORE	Assayers	Split
34	GRD08-077	125.86	127.86	2.00	8R162997				9	28-Jun-08	N	HCORE	Assayers	Split
35	GRD08-077	127.86	129.86	2.00	8R162998				10	28-Jun-08	N	HCORE	Assayers	Split
36	GRD08-077	129.86	131.17	1.31	8R162999				10	28-Jun-08	N	HCORE	Assayers	Split
37	GRD08-077				8R163000	Blank	Blank	Blank	10	28-Jun-08	N	HCORE	Assayers	
38	GRD08-077	131.17	132.59	1.42	8R163001				10	28-Jun-08	N	HCORE	Assayers	Split
39	GRD08-077	132.59	133.74	1.15	8R163002				10	28-Jun-08	N	HCORE	Assayers	Split
40	GRD08-077	133.74	135.74	2.00	8R163003	Duplicated			11	28-Jun-08	N	QCORE	Assayers	Cut
41	GRD08-077	135.74	137.74	2.00	8R163004				11	28-Jun-08	N	HCORE	Assayers	Split
42	GRD08-077	137.74	139.74	2.00	8R163005				11	28-Jun-08	N	HCORE	Assayers	Split
43	GRD08-077	139.74	141.74	2.00	8R163006				11	28-Jun-08	N	HCORE	Assayers	Split
44	GRD08-077	141.74	143.46	1.72	8R163007				12	28-Jun-08	N	HCORE	Assayers	Split
45	GRD08-077	143.46	145.65	2.19	8R163008				12	28-Jun-08	N	HCORE	Assayers	Split
46	GRD08-077	145.65	147.65	2.00	8R163009				12	28-Jun-08	N	HCORE	Assayers	Split
47	GRD08-077	133.74	135.74	2.00	8R163010	Duplicate of 8R163003	Duplicate	Duplicate	13	28-Jun-08	N	QCORE	Assayers	Cut
48	GRD08-077	147.65	149.63	1.98	8R163011				13	28-Jun-08	N	HCORE	Assayers	Split
49	GRD08-077	149.63	150.59	0.96	8R163012				13	28-Jun-08	N	HCORE	Assayers	Split
50	GRD08-077	150.59	152.59	2.00	8R163013				13	28-Jun-08	N	HCORE	Assayers	Split

NUCLEUS BATCH SAMPLE SHEET 2008REV010C

No.	Hole number	Interval From (m)	Interval To (m)	Length (m)	Sample Number	Remarks	Orig_SampleID	QC_category	Bag	Dispatch Date	Priority	Sample Type	Lab	Sample Method
1	GRD08-077	152.59	154.59	2.00	8R163014				1	1-Jul-08	N	HCORE	Assayers	Split
2	GRD08-077	154.59	156.36	1.77	8R163015				1	1-Jul-08	N	HCORE	Assayers	Split
3	GRD08-077	156.36	157.33	0.97	8R163016				1	1-Jul-08	N	HCORE	Assayers	Split
4	GRD08-077	157.33	159.33	2.00	8R163017				2	1-Jul-08	N	HCORE	Assayers	Cut
5	GRD08-077	159.33	161.33	2.00	8R163018				2	1-Jul-08	N	HCORE	Assayers	Cut
6	GRD08-077	161.33	163.33	2.00	8R163019				2	1-Jul-08	N	HCORE	Assayers	Cut
7	GRD08-077				8R163020	Blank	Blank	Blank	2	1-Jul-08	N	HCORE	Assayers	
8	GRD08-077	163.33	165.33	2.00	8R163021				3	1-Jul-08	N	HCORE	Assayers	Cut
9	GRD08-077	165.33	166.80	1.47	8R163022				3	1-Jul-08	N	HCORE	Assayers	Cut
10	GRD08-077	166.80	168.45	1.65	8R163023				3	1-Jul-08	N	HCORE	Assayers	Cut
11	GRD08-077	168.45	170.45	2.00	8R163024				3	1-Jul-08	N	HCORE	Assayers	Cut
12	GRD08-077	170.45	171.90	1.45	8R163025				4	1-Jul-08	N	HCORE	Assayers	Cut
13	GRD08-077	171.90	173.90	2.00	8R163026				4	1-Jul-08	N	HCORE	Assayers	Cut
14	GRD08-077	173.90	175.90	2.00	8R163027				4	1-Jul-08	N	HCORE	Assayers	Cut
15	GRD08-077	175.90	177.90	2.00	8R163028				4	1-Jul-08	N	HCORE	Assayers	Cut
16	GRD08-077	177.90	179.90	2.00	8R163029				5	1-Jul-08	N	HCORE	Assayers	Cut
17	GRD08-077				8R163030	Oreas53Pb	Oreas53Pb	Standard	5	1-Jul-08	N	HCORE	Assayers	
18	GRD08-077	179.90	181.90	2.00	8R163031				5	1-Jul-08	N	HCORE	Assayers	Cut
19	GRD08-077	181.90	183.69	1.79	8R163032				5	1-Jul-08	N	HCORE	Assayers	Cut
20	GRD08-077	183.69	185.69	2.00	8R163033				5	1-Jul-08	N	HCORE	Assayers	Cut
21	GRD08-077	185.69	187.00	1.31	8R163034				6	1-Jul-08	N	HCORE	Assayers	Cut
22	GRD08-077	187.00	188.44	1.44	8R163035				6	1-Jul-08	N	HCORE	Assayers	Cut
	GRD08-077	188.44	190.44	2.00	8R163036				6	1-Jul-08	N	HCORE	Assayers	Cut
	GRD08-077	190.44	192.44	2.00	8R163037	Duplicated			6	1-Jul-08	N	QCORE	Assayers	Cut
	GRD08-077	192.44	194.44	2.00	8R163038				7	1-Jul-08	N	HCORE	Assayers	Cut
26	GRD08-077	194.44	196.44	2.00	8R163039				7	1-Jul-08	N	HCORE	Assayers	Cut
27	GRD08-077	190.44	192.44	2.00	8R163040	Duplicate of 8R163037	8R163037	Duplicate	7	1-Jul-08	N	QCORE	Assayers	Cut
28	GRD08-077	196.44	198.39	1.95	8R163041				7	1-Jul-08	N	HCORE	Assayers	Cut
29	GRD08-077	198.39	200.39	2.00	8R163042				8	1-Jul-08	N	HCORE	Assayers	Cut
30	GRD08-077	200.39	202.00	1.61	8R163043				8	1-Jul-08	N	HCORE	Assayers	Cut
31	GRD08-077	202.00	203.69	1.69	8R163044				8	1-Jul-08	N	HCORE	Assayers	Cut
32	GRD08-077	203.69	205.69	2.00	8R163045				8	1-Jul-08	N	HCORE	Assayers	Split
33	GRD08-077	205.69	207.29	1.60	8R163046				9	1-Jul-08	N	HCORE	Assayers	Split
34	GRD08-077	207.29	208.67	1.38	8R163047				9	1-Jul-08	N	HCORE	Assayers	Split
35	GRD08-077	208.67	210.26	1.59	8R163048				9	1-Jul-08	N	HCORE	Assayers	Split
36	GRD08-077	210.26	211.75	1.49	8R163049				9	1-Jul-08	N	HCORE	Assayers	Split
37	GRD08-077				8R163050	PM414	PM414	Standard	10	1-Jul-08	N	HCORE	Assayers	
38	GRD08-077	211.75	212.85	1.10	8R163051				10	1-Jul-08	N	HCORE	Assayers	Split
39	GRD08-077	212.85	214.16	1.31	8R163052				10	1-Jul-08	N	HCORE	Assayers	Split
40	GRD08-077	214.16	215.66	1.50	8R163053				10	1-Jul-08	N	HCORE	Assayers	Split
41	GRD08-077	215.66	217.63	1.97	8R163054				11	1-Jul-08	N	HCORE	Assayers	Split
42	GRD08-077	217.63	219.63	2.00	8R163055				11	1-Jul-08	N	HCORE	Assayers	Split
43	GRD08-077	219.63	221.63	2.00	8R163056				11	1-Jul-08	N	HCORE	Assayers	Split
44	GRD08-077	221.63	223.63	2.00	8R163057				12	1-Jul-08	N	HCORE	Assayers	Split
45	GRD08-077	223.63	225.63	2.00	8R163058				12	1-Jul-08	N	HCORE	Assayers	Split
46	GRD08-077	225.63	227.63	2.00	8R163059				12	1-Jul-08	N	HCORE	Assayers	Split
47	GRD08-077	227.63	229.20	1.57	8R163060				13	1-Jul-08	N	HCORE	Assayers	Split
48	GRD08-077	229.20	230.40	1.20	8R163061				13	1-Jul-08	N	HCORE	Assayers	Split
49	GRD08-077	230.40	231.65	1.25	8R163062				13	1-Jul-08	N	HCORE	Assayers	Split
50										1-Jul-08				

NUCLEUS BATCH SAMPLE SHEET 2008REV012A

No.	Hole number	al n (m)	Interval To (m)	Length (m)	Sample Number	Remarks	Orig_SampleID	QC_category	Bag	Dispatch Date	Priority	Sample Type	Lab	Sa M
1	GRD08-079	6.20	8.39	2.19	8R162351							HCORE	Echo Tech	split
2	GRD08-079	8.39	10.30	1.91	8R162352							HCORE	Echo Tech	split
3	GRD08-079	10.30	11.10	0.80	8R162353							HCORE	Echo Tech	split
4	GRD08-079	11.10	12.39	1.29	8R162354							HCORE	Echo Tech	split
5	GRD08-079	12.39	13.59	1.20	8R162355							HCORE	Echo Tech	split
6	GRD08-079	13.59	14.41	0.82	8R162356							HCORE	Echo Tech	split
7	GRD08-079	14.41	16.55	2.14	8R162357							HCORE	Echo Tech	split
8	GRD08-079	16.55	18.78	2.23	8R162358							HCORE	Echo Tech	split
9	GRD08-079	18.78	20.14	1.36	8R162359							HCORE	Echo Tech	split
10	GRD08-079	20.14	22.04	1.90	8R162360							HCORE	Echo Tech	split
11	GRD08-079	22.04	24.06	2.02	8R162361							HCORE	Echo Tech	split
12	GRD08-079	24.06	27.45	3.39	8R162362							HCORE	Echo Tech	split
13	GRD08-079	27.45	29.38	1.93	8R162363							HCORE	Echo Tech	split
14	GRD08-079	29.38	30.74	1.36	8R162364							HCORE	Echo Tech	split
15	GRD08-079	30.74	32.25	1.51	8R162365							HCORE	Echo Tech	split
16	GRD08-079	32.25	33.22	0.97	8R162366							HCORE	Echo Tech	split
17	GRD08-079	33.22	34.6	1.38	8R162367							HCORE	Echo Tech	split
18	GRD08-079	34.60	36.17	1.57	8R162368							HCORE	Echo Tech	split
19	GRD08-079	36.17	37.90	1.73	8R162369							HCORE	Echo Tech	split
20	GRD08-079	37.90	39.78	1.88	8R162370							HCORE	Echo Tech	split
21	GRD08-079	39.78	40.63	0.85	8R162371							HCORE	Echo Tech	split
22	GRD08-079	40.63	42.85	2.22	8R162372							HCORE	Echo Tech	split
23	GRD08-079	42.85	44.50	1.65	8R162373							HCORE	Echo Tech	saw
24	GRD08-079				8R162374	Oreas 53Pb	Oreas 53Pb	Standard				CONT	Echo Tech	CONT
25	GRD08-079	44.50	45.72	2.33	8R162375							HCORE	Echo Tech	saw
26	GRD08-079				8R162376	Blank		Blank				CONT	Echo Tech	GRAB
27	GRD08-079	45.72	48.05	2.33	8R162377							HCORE	Echo Tech	split
28	GRD08-079	48.05	49.35	1.30	8R162378	Duplicated in 8R162385		Duplicated				QCORE	Echo Tech	split
29	GRD08-079	49.35	50.06	0.71	8R162379							HCORE	Echo Tech	split
30	GRD08-079	50.06	50.86	0.80	8R162380							HCORE	Echo Tech	split
31	GRD08-079	50.86	52.65	1.79	8R162381							HCORE	Echo Tech	split
32	GRD08-079	52.65	53.63	0.98	8R162382							HCORE	Echo Tech	split
33	GRD08-079	53.63	54.20	0.57	8R162383							HCORE	Echo Tech	saw
34	GRD08-079	54.20	56.09	1.89	8R162384							HCORE	Echo Tech	split
35	GRD08-079	48.05	49.35	1.30	8R162385	Duplicate of 8R162378	8R162378	Duplicate				QCORE	Echo Tech	split

NUCLEUS BATCH SAMPLE SHEET 2008REV012B

No.	Hole number	Interval From (m)	Interval To (m)	Length (m)	Sample Number	Remarks	Orig_SampleID	QC_category	Bag	Dispatch Date	Priority	Sample Type	Lab	Sample Method
36	GRD08-079	56.09	57.44	1.35	8R162386							HCORE	Echo Tech	
37	GRD08-079	57.44	59.58	2.14	8R162387							HCORE	Echo Tech	saw
38	GRD08-079	59.58	61.5	1.92	8R162388							HCORE	Echo Tech	split
39	GRD08-079	61.5	63.58	2.08	8R162389							HCORE	Echo Tech	split
40	GRD08-079	63.58	65.15	1.57	8R162390							HCORE	Echo Tech	split
41	GRD08-079	65.15	66.38	1.23	8R162391							HCORE	Echo Tech	split
42	GRD08-079	66.38	67.8	1.42	8R162392							HCORE	Echo Tech	split
43	GRD08-079	67.8	70.1	2.30	8R162393							HCORE	Echo Tech	split
44	GRD08-079	70.1	71.24	1.14	8R162394							HCORE	Echo Tech	split
45	GRD08-079	71.24	74.25	3.01	8R162395							HCORE	Echo Tech	split
46	GRD08-079	74.25	76.62	2.37	8R162396							HCORE	Echo Tech	split
47	GRD08-079	76.62	78.87	2.25	8R162397							HCORE	Echo Tech	split
48	GRD08-079				8R162398	Blank		Blank				CONT	Echo Tech	GRAB
49	GRD08-079	78.87	79.85	0.98	8R162399							HCORE	Echo Tech	split
50	GRD08-079	79.85	81.37	1.52	8R162400	Duplicated in 8R162420		Duplicated				QCORE	Echo Tech	split
51	GRD08-079	81.37	83.34	1.97	8R162401							HCORE	Echo Tech	split
52	GRD08-079	83.34	84.69	1.35	8R162402							HCORE	Echo Tech	split
53	GRD08-079	84.69	85.93	1.24	8R162403							HCORE	Echo Tech	split
54	GRD08-079	85.93	88.1	2.17	8R162404							HCORE	Echo Tech	split
55	GRD08-079	88.1	90.04	1.94	8R162405							HCORE	Echo Tech	split
56	GRD08-079	90.04	92.05	2.01	8R162406							HCORE	Echo Tech	split
57	GRD08-079	92.05	94.05	2.00	8R162407							HCORE	Echo Tech	split
58	GRD08-079	94.05	95.9	1.85	8R162408							HCORE	Echo Tech	split
59	GRD08-079	95.9	98.04	2.14	8R162409							HCORE	Echo Tech	split
60	GRD08-079				8R162410	Oreas 50Pb	Oreas 50Pb	Standard				CONT	Echo Tech	CONT

61	GRD08-079	8.04	100.2	2.16	8R162411							HCORE	Echo Tech	sav
62	GRD08-07	0.2	102.26	2.06	8R162412							HCORE	Echo Tech	s
63	GRD08-07	102.26	104.31	2.05	8R162413							HCORE	Echo Tech	sa
64	GRD08-079	104.31	106.31	2.00	8R162414							HCORE	Echo Tech	saw
65	GRD08-079	106.31	108.28	1.97	8R162415							HCORE	Echo Tech	saw
66	GRD08-079	108.28	110.35	2.07	8R162416							HCORE	Echo Tech	saw
67	GRD08-079	110.35	111.51	1.16	8R162417							HCORE	Echo Tech	saw
68	GRD08-079	111.51	114.62	3.11	8R162418							HCORE	Echo Tech	saw
69	GRD08-079	114.62	115.82	1.20	8R162419							HCORE	Echo Tech	saw
70	GRD08-079	79.85	81.37	1.52	8R162420	Duplicate of 8R162400	8R162400	Duplicate				QCORE	Echo Tech	split

NUCLEUS BATCH SAMPLE SHEET 2008REV012C

No.	Hole number	Interval From (m)	Interval To (m)	Length (m)	Sample Number	Remarks	Orig_SampleID	QC_category	Bag	Dispatch Date	Priority	Sample Type	Lab	Sample Method
1	GRD08-079	115.82	117.2	1.38	8R162421							HCORE	Echo Tech	saw
2	GRD08-079	117.2	118.73	1.53	8R162422							HCORE	Echo Tech	saw
3	GRD08-079	118.73	120.2	1.47	8R162423							HCORE	Echo Tech	saw
4	GRD08-079	120.2	121.79	1.59	8R162424							HCORE	Echo Tech	saw
5	GRD08-079			0.00	8R162425	Blank		Blank				CONT	Echo Tech	GRAB
6	GRD08-079	121.79	122.6	0.81	8R162426							HCORE	Echo Tech	saw
7	GRD08-079	122.6	123.91	1.31	8R162427							HCORE	Echo Tech	saw
8	GRD08-079	123.91	125.34	1.43	8R162428							HCORE	Echo Tech	saw
9	GRD08-079	125.34	127.16	1.82	8R162429							HCORE	Echo Tech	saw
10	GRD08-079			0.00	8R162430	Oreas 50Pb	Oreas 50Pb	Standard				CONT	Echo Tech	CONT
11	GRD08-079	127.16	129	1.84	8R162431							HCORE	Echo Tech	saw
12	GRD08-079	129	130.23	1.23	8R162432							HCORE	Echo Tech	split
13	GRD08-079	130.23	132.59	2.36	8R162433							HCORE	Echo Tech	split
14	GRD08-079	132.59	134.65	2.06	8R162434							HCORE	Echo Tech	split
15	GRD08-079	134.65	136.84	2.19	8R162435							HCORE	Echo Tech	split
16	GRD08-079	136.84	138.77	1.93	8R162436							HCORE	Echo Tech	saw
17	GRD08-079	138.77	141.02	2.25	8R162437							HCORE	Echo Tech	split
18	GRD08-079	141.02	142.86	1.84	8R162438	Duplicated in 8R162438		Duplicated				QCORE	Echo Tech	saw
19	GRD08-079	142.86	144.44	1.58	8R162439							HCORE	Echo Tech	split
20	GRD08-079	144.44	145.45	1.01	8R162440							HCORE	Echo Tech	split
21	GRD08-079	145.45	147.31	1.86	8R162441							HCORE	Echo Tech	split
22	GRD08-079	147.31	148.3	0.99	8R162442							HCORE	Echo Tech	split
23	GRD08-079	148.3	150.27	1.97	8R162443							HCORE	Echo Tech	split
24	GRD08-079	150.27	152.18	1.91	8R162444							HCORE	Echo Tech	split
25	GRD08-079	152.18	153.92	1.74	8R162445							HCORE	Echo Tech	split
26	GRD08-079	153.92	155.29	1.37	8R162446							HCORE	Echo Tech	split
27	GRD08-079	155.29	156.5	1.21	8R162447							HCORE	Echo Tech	split
28	GRD08-079	156.5	158.41	1.91	8R162448							HCORE	Echo Tech	split
29	GRD08-079	158.41	160.31	1.90	8R162449							HCORE	Echo Tech	split
30	GRD08-079	160.31	161.74	1.43	8R162450							HCORE	Echo Tech	saw
31	GRD08-079	161.74	163.37	1.63	8R162451							HCORE	Echo Tech	split
32	GRD08-079	163.37	164.78	1.41	8R162452							HCORE	Echo Tech	split
33	GRD08-079	164.78	166.11	1.33	8R162453							HCORE	Echo Tech	split
34	GRD08-079	166.11	166.83	0.72	8R162454							HCORE	Echo Tech	split
35	GRD08-079	141.02	142.86	1.84	8R162455	Duplicate of 8R162438	8R162438	Duplicate				QCORE	Echo Tech	saw

NUCLEUS BATCH SAMPLE SHEET 2008REV012D

No.	Hole number	Interval From (m)	Interval To (m)	Length (m)	Sample Number	Remarks	Orig_SampleID	QC_category	Bag	Dispatch Date	Priority	Sample Type	Lab	Sample Method
1	GRD08-079	166.83	168.63	1.80	8R162456							HCORE	Echo Tech	split
2	GRD08-079	168.63	170.47	1.84	8R162457							HCORE	Echo Tech	saw
3	GRD08-079	170.47	172.51	2.04	8R162458							HCORE	Echo Tech	saw
4	GRD08-079	172.51	174.11	1.60	8R162459							HCORE	Echo Tech	saw
5	GRD08-079	174.11	176.39	2.28	8R162460							HCORE	Echo Tech	split
6	GRD08-079	176.39	178.22	1.83	8R162461							HCORE	Echo Tech	split
7	GRD08-079	178.22	179.73	1.51	8R162462							HCORE	Echo Tech	split
8	GRD08-079	179.73	181.72	1.99	8R162463							HCORE	Echo Tech	split
9	GRD08-079	181.72	182.96	1.24	8R162464							HCORE	Echo Tech	split
10	GRD08-079	182.96	184.21	1.25	8R162465							HCORE	Echo Tech	split
11	GRD08-079	184.21	185.62	1.41	8R162466							HCORE	Echo Tech	split
12	GRD08-079	185.62	187.45	1.83	8R162467							HCORE	Echo Tech	split
13	GRD08-079	187.45	189.51	2.06	8R162468							HCORE	Echo Tech	saw
14	GRD08-079	189.51	191.31	1.8	8R162469							HCORE	Echo Tech	saw

15	GRD08-079				8R162470	PM414	PM414	Standard				CONT	Echo Tech	CONT
16	GRD08-0	1.31	193.43	2.12	8R162471							HCORE	Echo Tech	
17	GRD08-0	193.43	194.47	1.04	8R162472							HCORE	Echo Tech	
18	GRD08-079	194.47	196.52	2.05	8R162473							HCORE	Echo Tech	saw
19	GRD08-079	196.52	198.02	1.5	8R162474							HCORE	Echo Tech	saw
20	GRD08-079	198.02	199.71	1.69	8R162475	Duplicated in 8R162490		Duplicated				QCORE	Echo Tech	saw
21	GRD08-079	199.71	201.79	2.08	8R162476							HCORE	Echo Tech	saw
22	GRD08-079	201.79	203.7	1.91	8R162477							HCORE	Echo Tech	saw
23	GRD08-079	203.7	205.74	2.04	8R162478							HCORE	Echo Tech	saw
24	GRD08-079	205.74	207.15	1.41	8R162479							HCORE	Echo Tech	saw
25	GRD08-079	207.15	209.1	1.95	8R162480							HCORE	Echo Tech	split
26	GRD08-079				8R162481	Blank		Blank				CONT	Echo Tech	GRAB
27	GRD08-079	209.1	210.8	1.7	8R162482							HCORE	Echo Tech	split
28	GRD08-079	210.8	212.7	1.9	8R162483							HCORE	Echo Tech	split
29	GRD08-079	212.7	214.78	2.08	8R162484							HCORE	Echo Tech	split
30	GRD08-079	214.78	217.15	2.37	8R162485							HCORE	Echo Tech	split
31	GRD08-079	217.15	219	1.85	8R162486							HCORE	Echo Tech	split
32	GRD08-079	219	221.05	2.05	8R162487							HCORE	Echo Tech	split
33	GRD08-079	221.05	223.18	2.13	8R162488							HCORE	Echo Tech	split
34	GRD08-079	223.18	225.29	2.11	8R162489							HCORE	Echo Tech	saw
35	GRD08-079	198.02	199.71	1.69	8R162490	Duplicate of 8R162475	8R162475	Duplicate				QCORE	Echo Tech	saw

NUCLEUS BATCH SAMPLE SHEET 2008REV012E

No.	Hole number	Interval From (m)	Interval To (m)	Length (m)	Sample Number	Remarks	Orig_SampleID	QC_category	Bag	Dispatch Date	Priority	Sample Type	Lab	Sample Method
1	GRD08-079	225.29	227.32	2.03	8R162491							HCORE	Echo Tech	split
2	GRD08-079	227.32	227.92	0.6	8R162492							HCORE	Echo Tech	split
3	GRD08-079	227.92	229.52	1.6	8R162493							HCORE	Echo Tech	saw
4	GRD08-079				8R162494	Blank		Blank				CONT	Echo Tech	GRAB
5	GRD08-079	229.52	231.31	1.79	8R162495							HCORE	Echo Tech	saw
6	GRD08-079	231.31	232.76	1.45	8R162496							HCORE	Echo Tech	saw
7	GRD08-079	232.76	234.6	1.84	8R162497							HCORE	Echo Tech	saw
8	GRD08-079	234.6	235.76	1.16	8R162498							HCORE	Echo Tech	saw
9	GRD08-079	235.76	237.99	2.23	8R162499							HCORE	Echo Tech	saw
10	GRD08-079				8R162500	Oreas 53Pb	Oreas 53Pb	Standard				CONT	Echo Tech	CONT
11	GRD08-079	237.99	239.99	2	8R162501							HCORE	Echo Tech	saw
12	GRD08-079	239.99	241.9	1.91	8R162502							HCORE	Echo Tech	saw
13	GRD08-079	241.9	243.93	2.03	8R162503							HCORE	Echo Tech	saw
14	GRD08-079	243.93	245.66	1.73	8R162504							HCORE	Echo Tech	saw
15	GRD08-079	245.66	247.62	1.96	8R162505							HCORE	Echo Tech	saw
16	GRD08-079	247.62	249.17	1.55	8R162506							HCORE	Echo Tech	split
17	GRD08-079	249.17	251.17	2	8R162507							HCORE	Echo Tech	split
18	GRD08-079	251.17	253.17	2	8R162508							HCORE	Echo Tech	split
19	GRD08-079	253.17	255.13	1.96	8R162509							HCORE	Echo Tech	split
20	GRD08-079	255.13	257.15	2.02	8R162510							HCORE	Echo Tech	split
21	GRD08-079	257.15	259.15	2	8R162511							HCORE	Echo Tech	split
22	GRD08-079	259.15	260.34	1.19	8R162512							HCORE	Echo Tech	split
23	GRD08-079	260.34	262.38	2.04	8R162513	Duplicated in 8R162525		Duplicated				QCORE	Echo Tech	saw
24	GRD08-079	262.38	263.7	1.32	8R162514							HCORE	Echo Tech	saw
25	GRD08-079	263.7	264.8	1.1	8R162515							HCORE	Echo Tech	saw
26	GRD08-079	264.8	266.7	1.9	8R162516							HCORE	Echo Tech	saw
27	GRD08-079	266.7	268.6	1.9	8R162517							HCORE	Echo Tech	split
28	GRD08-079	268.6	270.6	2	8R162518							HCORE	Echo Tech	split
29	GRD08-079	270.6	272.53	1.93	8R162519							HCORE	Echo Tech	split
30	GRD08-079	272.53	274.53	2	8R162520							HCORE	Echo Tech	split
31	GRD08-079	274.53	276.53	2	8R162521							HCORE	Echo Tech	split
32	GRD08-079	276.53	277.28	0.75	8R162522							HCORE	Echo Tech	split
33	GRD08-079	277.28	279.22	1.94	8R162523							HCORE	Echo Tech	split
34	GRD08-079	279.22	281.26	2.04	8R162524							HCORE	Echo Tech	split
35	GRD08-079	260.34	262.38	2.04	8R162525	Duplicate of 8R162513	8R162513	Duplicate				QCORE	Echo Tech	saw

NUCLEUS BATCH SAMPLE SHEET 2008REV012F

No.	Hole number	Interval From (m)	Interval To (m)	Length (m)	Sample Number	Remarks	Orig_SampleID	QC_category	Bag	Dispatch Date	Priority	Sample Type	Lab	Sample Method
1	GRD08-079	281.26	281.84	0.58	8R162526						n	HCORE	Echo Tech	saw
2	GRD08-079	281.84	283.08	1.24	8R162527						n	HCORE	Echo Tech	saw
3	GRD08-079	283.08	284.28	1.2	8R162528						n	HCORE	Echo Tech	saw

4	GRD08-079	.28	284.89	0.61	8R162529						n	HCORE	Echo Tech	saw
5	GRD08-07	.89	286.16	1.27	8R162530						n	HCORE	Echo Tech	s
6	GRD08-079	286.16	287.36	1.2	8R162531						n	HCORE	Echo Tech	sa
7	GRD08-079	287.36	289.62	2.26	8R162532						n	HCORE	Echo Tech	saw
8	GRD08-079	289.62	291.74	2.12	8R162533						n	HCORE	Echo Tech	saw
9	GRD08-079	291.74	293.74	2	8R162534						n	HCORE	Echo Tech	saw
10	GRD08-079	293.74	295.46	1.72	8R162535						n	HCORE	Echo Tech	saw
11	GRD08-079	295.46	297.49	2.03	8R162536						n	HCORE	Echo Tech	saw
12	GRD08-079	297.49	299.49	2	8R162537						n	HCORE	Echo Tech	saw
13	GRD08-079	299.49	301.49	2	8R162538						n	HCORE	Echo Tech	saw
14	GRD08-079	301.49	303.49	2	8R162539						n	HCORE	Echo Tech	saw
15	GRD08-079				8R162540	PM414	PM414	Standard			n	CONT	Echo Tech	CONT
16	GRD08-079	303.49	305.49	2	8R162541						n	HCORE	Echo Tech	saw
17	GRD08-079	305.49	306.88	1.39	8R162542						n	HCORE	Echo Tech	saw
18	GRD08-079	306.88	308.07	1.19	8R162543						n	HCORE	Echo Tech	saw
19	GRD08-083	1.1	3.05	1.95	8R162544	Start of hole GRD08-083					n	HCORE	Echo Tech	split
20	GRD08-083	3.05	4.8	1.75	8R162545						n	HCORE	Echo Tech	split
21	GRD08-083	4.8	7.62	2.82	8R162546						n	HCORE	Echo Tech	split
22	GRD08-083	7.62	9.14	1.52	8R162547						n	HCORE	Echo Tech	split
23	GRD08-083	9.14	11.14	2	8R162548						n	HCORE	Echo Tech	split
24	GRD08-083	11.14	13.1	1.96	8R162549						n	HCORE	Echo Tech	split
25	GRD08-083	13.1	13.86	0.76	8R162550						n	HCORE	Echo Tech	split
26	GRD08-083	13.86	14.72	0.86	8R162551						n	HCORE	Echo Tech	saw
27	GRD08-083	14.72	16.76	2.04	8R162552	Duplicated as 8R162560		Duplicated			n	QCORE	Echo Tech	saw
28	GRD08-083	16.76	18.29	1.53	8R162553						n	HCORE	Echo Tech	saw
29	GRD08-083	18.29	18.96	0.67	8R162554						n	HCORE	Echo Tech	saw
30	GRD08-083	18.96	19.57	0.61	8R162555						n	HCORE	Echo Tech	saw
31	GRD08-083				8R162556	Blank		Blank			n	CONT	Echo Tech	GRAB
32	GRD08-083	19.57	21.57	2	8R162557						n	HCORE	Echo Tech	split
33	GRD08-083	21.57	26.09	4.52	8R162558						n	HCORE	Echo Tech	split
34	GRD08-083	26.09	29	2.91	8R162559						n	HCORE	Echo Tech	split
35	GRD08-083	14.72	16.76	2.04	8R162560	Duplicate of 8R162552	8R162552	Duplicate			n	QCORE	Echo Tech	saw

NUCLEUS BATCH SAMPLE SHEET 2008REV0013A

No.	Hole number	Interval From (m)	Interval To (m)	Length (m)	Sample Number	Remarks	Orig_Sample	QC_category	Bag	Dispatch Date	Priority	Sample Type	Lab	Sample Method
1	GRD08-080	2.71	6.10	3.39	8R161351							HCORE	Eco Tech	split
2	GRD08-080	6.10	8.52	2.42	8R161352							HCORE	Eco Tech	split
3	GRD08-080	8.52	10.67	2.15	8R161353							HCORE	Eco Tech	split
4	GRD08-080	10.67	12.79	2.12	8R161354							HCORE	Eco Tech	split
5	GRD08-080	12.79	14.65	1.86	8R161355							HCORE	Eco Tech	split
6	GRD08-080	14.65	16.63	1.98	8R161356							HCORE	Eco Tech	split
7	GRD08-080	16.63	18.06	1.43	8R161357							HCORE	Eco Tech	split
8	GRD08-080	18.06	19.81	1.75	8R161358							HCORE	Eco Tech	split
9	GRD08-080	19.81	21.79	1.98	8R161359							HCORE	Eco Tech	split
10	GRD08-080	21.79	23.28	1.49	8R161360							HCORE	Eco Tech	split
11	GRD08-080	23.28	24.40	1.12	8R161361							HCORE	Eco Tech	split
12	GRD08-080	24.40	25.30	0.90	8R161362							HCORE	Eco Tech	split
13	GRD08-080	25.30	26.94	1.64	8R161363							HCORE	Eco Tech	split
14	GRD08-080	26.94	28.96	2.02	8R161364							HCORE	Eco Tech	split
15	GRD08-080	28.96	30.43	1.47	8R161365							HCORE	Eco Tech	split
16	GRD08-080	30.43	32.61	2.18	8R161366							HCORE	Eco Tech	split
17	GRD08-080	32.61	33.64	1.03	8R161367							HCORE	Eco Tech	split
18	GRD08-080	33.64	35.10	1.46	8R161368							HCORE	Eco Tech	split
19	GRD08-080	35.10	37.05	1.95	8R161369							HCORE	Eco Tech	split
20	GRD08-080				8R161370	Oreas 50Pb	Oreas 50Pb	Standard				CONT	Eco Tech	CONT
21	GRD08-080	37.05	39.04	1.99	8R161371							HCORE	Eco Tech	split
22	GRD08-080	39.04	41.01	1.97	8R161372							HCORE	Eco Tech	split
23	GRD08-080	41.01	41.96	0.95	8R161373							HCORE	Eco Tech	split
24	GRD08-080	41.96	43.79	1.83	8R161374							HCORE	Eco Tech	split
25	GRD08-080	43.79	45.70	1.91	8R161375							HCORE	Eco Tech	split
26	GRD08-080	45.70	47.60	1.90	8R161376							HCORE	Eco Tech	split
27	GRD08-080	47.60	49.25	1.65	8R161377							HCORE	Eco Tech	split
28	GRD08-080	49.25	51.14	1.89	8R161378							HCORE	Eco Tech	split
29	GRD08-080				8R161379	Blank		Blank				CONT	Eco Tech	GRAB
30	GRD08-080	64.53	65.94	1.41	8R161380	Duplicate	8R161389	Duplicate				QCORE	Eco Tech	cut
31	GRD08-080	51.14	53.07	1.93	8R161381							HCORE	Eco Tech	split
32	GRD08-080	53.07	55.15	2.08	8R161382							HCORE	Eco Tech	split
33	GRD08-080	55.15	57.28	2.13	8R161383							HCORE	Eco Tech	split
34	GRD08-080	57.28	58.59	1.31	8R161384							HCORE	Eco Tech	split
35	GRD08-080	58.59	60.30	1.71	8R161385							HCORE	Eco Tech	split
36	GRD08-080	60.30	61.60	1.30	8R161386							HCORE	Eco Tech	split
37	GRD08-080	61.60	62.79	1.19	8R161387							HCORE	Eco Tech	split
38	GRD08-080	62.79	64.53	1.74	8R161388							HCORE	Eco Tech	split
39	GRD08-080	64.53	65.94	1.41	8R161389	Duplicated in 8R161380		Duplicated				QCORE	Eco Tech	split
40	GRD08-080	65.94	67.60	1.66	8R161390							HCORE	Eco Tech	split
41	GRD08-080	67.60	69.58	1.98	8R161391							HCORE	Eco Tech	split
42	GRD08-080	69.58	71.03	1.45	8R161392							HCORE	Eco Tech	split
43	GRD08-080	71.03	72.68	1.65	8R161393							HCORE	Eco Tech	split
44	GRD08-080	72.68	73.97	1.29	8R161394							HCORE	Eco Tech	split
45	GRD08-080	73.97	74.96	0.99	8R161395							HCORE	Eco Tech	split
46	GRD08-080	74.96	76.90	1.94	8R161396							HCORE	Eco Tech	split
47	GRD08-080	76.90	78.45	1.55	8R161397							HCORE	Eco Tech	split
48	GRD08-080	78.45	79.78	1.33	8R161398							HCORE	Eco Tech	split
49	GRD08-080	79.78	81.24	1.46	8R161399							HCORE	Eco Tech	split
50	GRD08-080				8R161400	PM422	PM422	Standard				CONT	Eco Tech	CONT

NUCLEUS BATCH SAMPLE SHEET 2008REV B

No.	Hole num	Interval From (m)	Interval To (m)	Length (m)	Sample Number	Remarks	Orig_SampleID	_category	Bag	Dispatch Date	Priority	Sample Type	Lab	Sample Method
1	GRD08-080	81.24	83.31	2.07	8R161401							HCORE	Eco Tech	split
2	GRD08-080	83.31	84.64	1.33	8R161402							HCORE	Eco Tech	split
3	GRD08-080	84.64	85.50	0.86	8R161403							HCORE	Eco Tech	split
4	GRD08-080	85.50	86.53	1.03	8R161404							HCORE	Eco Tech	split
5	GRD08-080	86.53	88.54	2.01	8R161405							HCORE	Eco Tech	split
6	GRD08-080	88.54	90.02	1.48	8R161406							HCORE	Eco Tech	split
7	GRD08-080	90.02	91.44	1.42	8R161407							HCORE	Eco Tech	split
8	GRD08-080	91.44	93.54	2.10	8R161408							HCORE	Eco Tech	split
9	GRD08-080	93.54	95.49	1.95	8R161409							HCORE	Eco Tech	split
10	GRD08-080				8R161410	PM414	PM414	Standard				CONT	Eco Tech	CONT
11	GRD08-080	95.49	96.23	0.74	8R161411							HCORE	Eco Tech	split
12	GRD08-080	96.23	97.87	1.64	8R161412							HCORE	Eco Tech	split
13	GRD08-080	97.87	99.36	1.49	8R161413							HCORE	Eco Tech	split
14	GRD08-080	99.36	101.19	1.83	8R161414							HCORE	Eco Tech	split
15	GRD08-080	101.19	102.70	1.51	8R161415							HCORE	Eco Tech	split
16	GRD08-080	102.70	103.73	1.03	8R161416							HCORE	Eco Tech	split
17	GRD08-080	103.73	105.92	2.19	8R161417							HCORE	Eco Tech	cut
18	GRD08-080	105.92	107.47	1.55	8R161418							HCORE	Eco Tech	cut
19	GRD08-080	107.47	109.25	1.78	8R161419							HCORE	Eco Tech	cut
20	GRD08-080				8R161420	Oreas 50Pb	Oreas 50Pb	Standard				CONT	Eco Tech	CONT
21	GRD08-080	109.25	111.18	1.93	8R161421							HCORE	Eco Tech	cut
22	GRD08-080	111.18	112.26	1.08	8R161422							HCORE	Eco Tech	cut
23	GRD08-080	112.26	113.92	1.66	8R161423							HCORE	Eco Tech	cut
24	GRD08-080	113.92	115.43	1.51	8R161424							HCORE	Eco Tech	split
25	GRD08-080				8R161425	Blank		Blank				CONT	Eco Tech	GRAB
26	GRD08-080	115.43	116.58	1.15	8R161426							HCORE	Eco Tech	split
27	GRD08-080	116.58	118.41	1.83	8R161427							HCORE	Eco Tech	split
28	GRD08-080	118.41	119.73	1.32	8R161428							HCORE	Eco Tech	split
29	GRD08-080	119.73	121.08	1.35	8R161429							HCORE	Eco Tech	cut
30	GRD08-080	121.92	123.60	1.68	8R161430	8R161432	8R161432	Duplicate				QCORE	Eco Tech	cut
31	GRD08-080	121.08	121.92	0.84	8R161431							HCORE	Eco Tech	cut
32	GRD08-080	121.92	123.60	1.68	8R161432	Duplicated in 8R161430		Duplicated				QCORE	Eco Tech	cut
33	GRD08-080	123.60	125.35	1.75	8R161433							HCORE	Eco Tech	cut
34	GRD08-080	125.35	127.26	1.91	8R161434							HCORE	Eco Tech	cut
35	GRD08-080	127.26	129.17	1.91	8R161435							HCORE	Eco Tech	cut

NUCLEUS BATCH SAMPLE SHEET 2008REV0013C

No.	Hole n...	Interval From (m)	Interval To (m)	Length (m)	Sample Number	Remarks	Orig_Sample	..._category	Bag	Dispatch Date	Priority	Sample Type	Lab	Sample Method
1	GRD08-080	129.17	130.76	1.59	8R161436							HCORE	Eco Tech	cut
2	GRD08-080	130.76	131.95	1.19	8R161437							HCORE	Eco Tech	cut
3	GRD08-080	131.95	133.85	1.90	8R161438							HCORE	Eco Tech	cut
4	GRD08-080	133.85	134.47	0.62	8R161439							HCORE	Eco Tech	cut
5	GRD08-080				8R161440	Duplicate	8R161454	Duplicate				QCORE	Eco Tech	cut
6	GRD08-080	134.47	135.63	1.16	8R161441							HCORE	Eco Tech	split
7	GRD08-080	135.63	137.40	1.77	8R161442							HCORE	Eco Tech	split
8	GRD08-080	137.40	138.69	1.29	8R161443							HCORE	Eco Tech	split
9	GRD08-080	138.69	140.02	1.33	8R161444							HCORE	Eco Tech	split
10	GRD08-080	140.02	141.72	1.70	8R161445							HCORE	Eco Tech	split
11	GRD08-080	141.72	143.14	1.42	8R161446							HCORE	Eco Tech	split
12	GRD08-080	143.14	144.30	1.16	8R161447							HCORE	Eco Tech	split
13	GRD08-080	144.30	146.31	2.01	8R161448							HCORE	Eco Tech	split
14	GRD08-080	146.31	148.26	1.95	8R161449							HCORE	Eco Tech	split
15	GRD08-080				8R161450	Oreas 53Pb	Oreas 53Pb	Standard				CONT	Eco Tech	CONT
16	GRD08-080	148.26	148.97	0.71	8R161451							HCORE	Eco Tech	cut
17	GRD08-080	148.97	150.63	1.66	8R161452							HCORE	Eco Tech	cut
18	GRD08-080	150.63	152.46	1.83	8R161453							HCORE	Eco Tech	cut
19	GRD08-080	152.46	154.05	1.59	8R161454	Duplicated in 8R161440		Duplicated				QCORE	Eco Tech	cut
20	GRD08-080	154.05	155.69	1.64	8R161455							HCORE	Eco Tech	cut
21	GRD08-080	155.69	157.60	1.91	8R161456							HCORE	Eco Tech	cut
22	GRD08-080	157.60	161.75	4.15	8R161457							HCORE	Eco Tech	cut
23	GRD08-080	161.75	163.06	1.31	8R161458							HCORE	Eco Tech	cut
24	GRD08-080				8R161459	Blank		Blank				Grab	Eco Tech	grab
25	GRD08-080	163.06	164.27	1.21	8R161460							HCORE	Eco Tech	cut
26	GRD08-080	164.27	166.21	1.94	8R161461							HCORE	Eco Tech	cut
27	GRD08-080	166.21	167.88	1.67	8R161462							HCORE	Eco Tech	split
28	GRD08-080	167.88	169.58	1.70	8R161463							HCORE	Eco Tech	split
29	GRD08-080	169.58	171.74	2.16	8R161464							HCORE	Eco Tech	split
30	GRD08-080	171.74	173.00	1.26	8R161465							HCORE	Eco Tech	split
31	GRD08-080	173.00	173.94	0.94	8R161466							HCORE	Eco Tech	split
32	GRD08-080	173.94	175.66	1.72	8R161467							HCORE	Eco Tech	split
33	GRD08-080	175.66	176.80	1.14	8R161468							HCORE	Eco Tech	split
34	GRD08-080	176.80	178.61	1.81	8R161469							HCORE	Eco Tech	split
35	GRD08-080			0.00	8R161470	PM414	PM414	Standard				CONT	Eco Tech	CONT

NUCLEUS BATCH SAMPLE SHEET 2008REV D

No.	Hole num	Interval From (m)	Interval To (m)	Length (m)	Sample Number	Remarks	Orig_SampleID	_category	Bag	Dispatch Date	Priority	Sample Type	Lab	Sample Method
1	GRD08-080	178.61	180.19	1.58	8R161471							HCORE	Eco Tech	cut
2	GRD08-080	180.19	182.10	1.91	8R161472							HCORE	Eco Tech	cut
3	GRD08-080	182.10	184.01	1.91	8R161473							HCORE	Eco Tech	cut
4	GRD08-080	184.01	185.88	1.87	8R161474							HCORE	Eco Tech	cut
5	GRD08-080	185.88	187.70	1.82	8R161475							HCORE	Eco Tech	cut
6	GRD08-080	187.70	189.64	1.94	8R161476							HCORE	Eco Tech	cut
7	GRD08-080	189.64	190.40	0.76	8R161477							HCORE	Eco Tech	cut
8	GRD08-080	190.40	191.65	1.25	8R161478							HCORE	Eco Tech	cut
9	GRD08-080	191.65	193.54	1.89	8R161479							HCORE	Eco Tech	cut
10	GRD08-080				8R161480	Oreas 50Pb	Oreas 50Pb	Standard				CONT	Eco Tech	CONT
11	GRD08-080	193.54	195.20	1.66	8R161481							HCORE	Eco Tech	split
12	GRD08-080	195.20	196.95	1.75	8R161482							HCORE	Eco Tech	split
13	GRD08-080	196.95	198.43	1.48	8R161483							HCORE	Eco Tech	split
14	GRD08-080	198.43	200.00	1.57	8R161484							HCORE	Eco Tech	split
15	GRD08-080	200.00	201.82	1.82	8R161485							HCORE	Eco Tech	split
16	GRD08-080	201.82	203.74	1.92	8R161486							HCORE	Eco Tech	split
17	GRD08-080	203.74	205.74	2.00	8R161487							HCORE	Eco Tech	split
18	GRD08-080	205.74	207.57	1.83	8R161488							HCORE	Eco Tech	split
19	GRD08-080	207.57	209.22	1.65	8R161489							HCORE	Eco Tech	cut
20	GRD08-080	212.51	213.82	1.31	8R161490	Duplicate	8R161493	Duplicate				QCORE	Eco Tech	cut
21	GRD08-080	209.22	211.36	2.14	8R161491							HCORE	Eco Tech	cut
22	GRD08-080	211.36	212.51	1.15	8R161492							HCORE	Eco Tech	cut
23	GRD08-080	212.51	213.82	1.31	8R161493	Duplicated in 8R161490		Duplicated				QCORE	Eco Tech	cut
24	GRD08-080	213.82	215.58	1.76	8R161494							HCORE	Eco Tech	cut
25	GRD08-080	215.58	217.50	1.92	8R161495							HCORE	Eco Tech	cut
26	GRD08-080	217.50	219.28	1.78	8R161496							HCORE	Eco Tech	cut
27	GRD08-080	219.28	221.16	1.88	8R161497							HCORE	Eco Tech	split
28	GRD08-080	221.16	222.85	1.69	8R161498							HCORE	Eco Tech	split
29	GRD08-080	222.85	224.42	1.57	8R161499							HCORE	Eco Tech	split
30	GRD08-080				8R161500	PM422	PM422	Standard				CONT	Eco Tech	CONT
31	GRD08-080	224.42	226.41	1.99	8R161501							HCORE	Eco Tech	cut
32	GRD08-080				8R161502	Blank		Blank				CONT	Eco Tech	GRAB
33	GRD08-080	226.41	227.94	1.91	8R161503							HCORE	Eco Tech	cut
34	GRD08-080	227.94	229.85	2.05	8R161504							HCORE	Eco Tech	cut
35	GRD08-080	229.85	231.90	1.94	8R161505							HCORE	Eco Tech	split

NUCLEUS BATCH SAMPLE SHEET 2008REV0013E

No.	Hole I...	Interval From (m)	Interval To (m)	Length (m)	Sample Number	Remarks	Orig_Sampl...	..._category	Bag	Dispatch Date	Priority	Sample Type	Lab	Sample Method
1	GRD08-080	231.90	233.84	1.94	8R161506	Blank		Blank				CONT	Eco Tech	GRAB
2	GRD08-080	233.84	235.02	1.18	8R161507							HCORE	Eco Tech	split
3	GRD08-080	235.02	240.30	5.28	8R161508							HCORE	Eco Tech	split
4	GRD08-080	240.30	242.31	2.01	8R161509							HCORE	Eco Tech	split
5	GRD08-080	242.31	243.4	1.09	8R161510							HCORE	Eco Tech	cut
6	GRD08-080	243.40	244.93	1.53	8R161511							HCORE	Eco Tech	cut
7	GRD08-080	244.93	246.58	1.65	8R161512							HCORE	Eco Tech	cut
8	GRD08-080	246.58	248.31	1.73	8R161513							HCORE	Eco Tech	cut
9	GRD08-080	248.31	250.43	2.12	8R161514							HCORE	Eco Tech	cut
10	GRD08-080	250.43	251.73	1.30	8R161515							HCORE	Eco Tech	cut
11	GRD08-080	251.73	253.54	1.81	8R161516							HCORE	Eco Tech	cut
12	GRD08-080	253.54	255.43	1.89	8R161517							HCORE	Eco Tech	cut
13	GRD08-080	255.43	257.41	1.98	8R161518							HCORE	Eco Tech	cut
14	GRD08-080	257.41	258.85	1.44	8R161519							HCORE	Eco Tech	cut
15	GRD08-080				8R161520	Oreas 53Pb	Oreas 53Pb	Standard				CONT	Eco Tech	CONT
16	GRD08-080	258.85	259.99	1.14	8R161521							HCORE	Eco Tech	cut
17	GRD08-080	259.99	261.62	1.63	8R161522	Duplicated in 8R161522		Duplicated				QCORE	Eco Tech	cut
18	GRD08-080	261.62	263.65	2.03	8R161523							HCORE	Eco Tech	cut
19	GRD08-080	263.65	265.31	1.66	8R161524							HCORE	Eco Tech	cut
20	GRD08-080	265.31	266.4	1.09	8R161525							HCORE	Eco Tech	cut
21	GRD08-080	266.40	268.25	1.85	8R161526							HCORE	Eco Tech	cut
22	GRD08-080	268.25	269.45	1.20	8R161527							HCORE	Eco Tech	cut
23	GRD08-080	269.45	271.11	1.66	8R161528							HCORE	Eco Tech	cut
24	GRD08-080	271.11	272.30	1.19	8R161529							HCORE	Eco Tech	cut
25	GRD08-080	259.99	261.62	1.63	8R161530	Duplicate	8R161522	Duplicate				QCORE	Eco Tech	cut
26	GRD08-080	272.30	274.30	2.00	8R161531							HCORE	Eco Tech	cut
27	GRD08-080	274.30	276.17	1.87	8R161532							HCORE	Eco Tech	cut
28	GRD08-080	276.17	278.28	2.11	8R161533							HCORE	Eco Tech	cut
29	GRD08-080	278.28	280.16	1.88	8R161534							HCORE	Eco Tech	cut
30	GRD08-080				8R161535	Blank		Blank				CONT	Eco Tech	GRAB
31	GRD08-080	280.16	281.94	1.78	8R161536							HCORE	Eco Tech	cut
32	GRD08-080	281.94	283.96	2.02	8R161537							HCORE	Eco Tech	cut
33	GRD08-080	283.96	285.37	1.41	8R161538							HCORE	Eco Tech	cut
34	GRD08-080	285.37	287.40	2.03	8R161539							HCORE	Eco Tech	cut
35	GRD08-080	287.40	288.60	1.20	8R161540							HCORE	Eco Tech	cut

NUCLEUS BATCH SAMPL[illegible]HEET 2008REV0013F

No.	Hole num[illegible]	Interval From (m)	Interval To (m)	Length (m)	Sample Number	Remarks	Orig_SampleID	[illegible]_category	Bag	Dispatch Date	Priority	Sample Type	Lab	Sample Method
1	GRD08-080	288.60	289.91	1.31	8R161541							HCORE	Eco Tech	cut
2	GRD08-080	289.91	291.97	2.06	8R161542							HCORE	Eco Tech	cut
3	GRD08-080	291.97	292.61	0.64	8R161543							HCORE	Eco Tech	cut
4	GRD08-080	292.61	294.30	1.69	8R161544							HCORE	Eco Tech	cut
5	GRD08-080	294.30	296.28	1.98	8R161545							HCORE	Eco Tech	cut
6	GRD08-080	296.28	297.91	1.63	8R161546							HCORE	Eco Tech	cut
7	GRD08-080	297.91	299.76	1.85	8R161547							HCORE	Eco Tech	cut
8	GRD08-080	299.76	301.05	1.29	8R161548							HCORE	Eco Tech	cut
9	GRD08-080	301.05	302.13	1.08	8R161549							HCORE	Eco Tech	cut
10	GRD08-080				8R161550	Oreas 50Pb	Oreas 50Pb	Standard				CONT	Eco Tech	CONT
11	GRD08-080	302.13	304.10	1.97	8R161551							HCORE	Eco Tech	cut
12	GRD08-080	304.10	305.32	1.22	8R161552							HCORE	Eco Tech	cut
13	GRD08-080	305.32	306.60	1.28	8R161553							HCORE	Eco Tech	cut
14	GRD08-080	306.60	307.85	1.25	8R161554							HCORE	Eco Tech	cut
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Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

8S-0035-RA2

Jul-25-08

Company: **Bushmaster Exploration Service**
Project: Revenue
Attn: Charlie Chen

We *hereby certify* the following assay of 24 core samples submitted Jul-09-08

Sample Name	Au g/tonne	Au-Check g/tonne
8R162938	0.03	0.03
8R162939	0.05	
8R162940	0.89	
8R162941	0.11	
8R162942	0.05	
8R162943	0.20	
8R162944	0.17	
8R162945	0.03	
8R162946	0.04	
8R162947	0.04	0.04
8R162948	0.06	
8R162949	0.02	
8R162950	<0.01	
8R162951	0.02	
8R162952	0.01	
8R162953	0.02	
8R162954	0.02	
8R162955	0.03	
8R162956	0.16	
8R162957	0.02	0.03
8R162958	0.01	
8R162959	0.01	
8R162960	0.02	
8R162961	0.12	
*0218	0.94	
*BLANK	<0.01	

*Certified by*_____

Assayers Canada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Bushmaster Exploration Service

Attention: Charlie Chen

Project: Revenue

Sample type:

Report No : 8S0035RR

Date : Jul-25-08

ICP-AES Report

Multi-Acid Digestion

Sample Number	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
8R162914	1	7.08	1210	4.3	<5	1.41	2	15	84	248	4.77	1.97	0.59	271	3	2.15	15	708	12	275	0.26	24	<10	56
8R162915	<1	7.52	687	4.3	<5	1.47	1	8	88	107	4.83	1.36	0.60	254	<2	2.91	2	686	6	262	0.28	27	<10	44
8R162916	<1	7.92	715	5.0	<5	1.31	1	7	102	142	5.83	1.68	0.73	197	3	2.82	<1	842	<2	235	0.35	28	<10	38
8R162917	<1	7.70	748	5.9	<5	1.28	2	10	88	246	7.34	1.86	0.66	252	<2	2.49	1	965	<2	238	0.35	23	<10	49
8R162918	<1	7.61	828	5.6	<5	1.10	2	11	76	300	7.03	1.62	0.77	250	<2	2.66	<1	941	6	201	0.36	22	<10	62
8R162919	<1	7.41	562	5.6	8	1.10	2	19	79	295	6.70	1.40	0.72	349	<2	2.67	3	808	4	200	0.32	51	<10	76
8R162920	<1	6.41	1008	4.3	<5	0.93	<1	5	116	<1	1.61	3.53	0.29	304	4	2.27	5	372	4	236	0.16	27	<10	35
8R162921	<1	7.75	591	5.1	<5	0.60	1	4	82	354	5.47	1.90	0.66	108	<2	2.17	2	902	47	180	0.23	48	13	32
8R162922	<1	6.64	1086	3.8	8	0.28	<1	4	120	233	3.82	2.25	0.25	52	5	2.76	2	469	30	130	0.10	24	<10	27
8R162923	<1	6.56	1051	3.4	<5	0.52	<1	5	77	159	3.14	2.02	0.26	77	<2	2.32	2	340	32	159	0.12	22	<10	37
8R162924	<1	6.98	1417	3.2	<5	0.41	<1	3	123	206	3.00	2.89	0.70	104	5	1.52	6	566	9	154	0.14	80	<10	35
8R162925	1	7.64	3799	3.1	<5	0.13	<1	5	67	176	3.22	5.01	0.15	37	<2	2.01	5	441	8	168	0.11	55	<10	27
8R162926	<1	7.99	2951	5.8	<5	0.53	2	9	90	459	7.17	3.44	0.88	107	<2	2.14	5	613	6	162	0.25	114	<10	85
8R162927	<1	8.01	947	6.1	<5	1.69	2	17	113	987	7.48	3.14	1.00	345	<2	1.50	15	668	6	134	0.28	107	<10	95
8R162928	<1	9.03	1025	5.3	<5	0.22	1	6	318	650	6.35	2.35	0.62	63	<2	0.50	12	1366	11	77	0.33	155	46	35
8R162929	<1	6.72	2693	1.6	<5	0.06	<1	2	133	58	1.01	3.51	0.11	21	<2	0.31	3	184	26	58	0.06	12	<10	8
8R162930	2	4.23	148	7.3	240	>15.00	5	51	86	249	11.31	0.47	1.55	3033	22	0.44	66	902	27	148	0.47	95	52	172
8R162931	<1	7.30	2229	2.1	<5	0.09	<1	2	149	96	1.48	2.87	0.13	26	4	0.29	2	238	41	62	0.08	39	<10	10
8R162932	1	6.19	381	3.2	19	0.08	<1	3	161	99	3.13	2.54	0.34	27	<2	0.21	1	202	41	48	0.18	100	26	6
8R162933	<1	7.98	357	6.9	<5	0.14	2	10	124	376	8.92	2.83	0.58	39	<2	0.71	<1	689	23	86	0.64	255	43	31
8R162934	2	8.26	901	8.5	<5	0.13	5	6	295	688	12.05	4.51	2.23	177	<2	0.71	5	889	9	105	0.52	289	<10	82
8R162935	<1	7.72	329	15.4	<5	0.06	3	18	351	674	12.95	4.72	3.58	203	<2	0.50	13	581	20	46	0.48	285	17	133
8R162936	3	8.88	416	12.8	<5	0.09	7	11	360	715	>15.00	3.99	2.45	230	<2	0.29	8	1269	185	55	0.55	337	69	191
8R162937	<1	8.57	568	6.2	<5	0.19	2	16	212	405	8.38	3.30	2.08	247	<2	0.91	14	736	<2	83	0.60	253	19	81
8R162938	<1	6.85	826	3.3	6	0.15	1	15	105	206	4.03	4.27	0.43	105	<2	0.89	9	320	13	49	0.26	81	<10	34
8R162939	<1	7.02	836	5.8	<5	1.50	4	42	125	435	6.78	3.42	1.08	953	<2	0.68	36	611	8	71	0.56	155	<10	114
8R162940	3	7.91	705	4.7	<5	1.42	1	21	38	7448	5.56	3.49	1.30	414	<2	3.03	30	970	14	427	0.26	130	<10	78
8R162941	1	7.91	1042	6.0	<5	2.47	7	48	159	821	7.15	3.43	2.04	1027	<2	0.91	62	382	7	91	0.43	163	12	213
8R162942	1	6.96	1271	3.7	<5	<0.01	1	8	167	371	4.41	3.49	0.61	82	<2	0.70	9	403	147	55	0.19	73	12	71
8R162943	3	6.93	1847	3.5	<5	<0.01	1	7	73	155	4.44	4.09	0.21	15	7	0.24	<1	684	727	57	0.30	117	17	25

A .2 gm sample is digested with HNO3/HClO4/HF/HCL and diluted to 25 ml.

Signed: _____

Assayers Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Bushmaster Exploration Service
Attention: Charlie Chen
Project: Revenue
Sample type:

Report No : 8S0035RR
Date : Jul-25-08

ICP-AES Report

Multi-Acid Digestion

Sample Number	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
8R162944	3	7.44	1664	3.0	7	<0.01	<1	8	179	173	3.23	4.31	0.21	24	20	0.31	<1	430	576	54	0.31	152	20	18
8R162945	1	6.52	1529	1.8	19	<0.01	<1	1	140	121	1.69	5.18	0.10	14	<2	0.35	1	185	72	67	0.05	37	<10	<2
8R162946	3	6.12	1163	1.8	<5	<0.01	<1	2	145	135	1.72	4.52	0.14	13	3	0.30	<1	210	85	74	0.06	39	<10	2
8R162947	<1	6.05	1227	1.9	<5	<0.01	<1	2	133	102	1.92	3.84	0.12	12	<2	0.38	<1	165	34	81	0.08	20	31	5
8R162948	2	6.50	1193	2.6	<5	<0.01	<1	2	121	105	2.67	3.52	0.11	30	<2	0.29	<1	177	16	67	0.10	20	<10	37
8R162949	<1	6.71	1822	1.5	<5	<0.01	<1	<1	107	37	1.01	4.23	0.09	14	<2	0.32	<1	135	7	123	0.08	22	<10	4
8R162950	1	7.61	1085	5.3	<5	0.82	<1	7	145	22	1.69	4.34	0.38	344	<2	2.85	3	435	5	260	0.21	35	<10	34
8R162951	2	6.43	1370	1.5	<5	<0.01	<1	1	92	37	1.21	4.32	0.08	16	3	0.31	<1	147	10	61	0.02	14	<10	7
8R162952	1	6.70	1640	2.2	<5	<0.01	<1	1	113	58	2.18	4.10	0.06	14	<2	0.32	<1	241	19	58	0.03	13	<10	12
8R162953	1	6.53	1961	2.6	<5	<0.01	<1	1	111	82	2.51	3.93	0.10	26	8	0.30	<1	366	6	61	0.05	21	<10	22
8R162954	1	8.24	3278	4.3	<5	<0.01	1	8	139	144	5.05	4.94	0.20	71	<2	0.51	<1	955	<2	105	0.22	99	52	42
8R162955	<1	6.82	2221	4.3	<5	<0.01	1	8	85	240	4.99	3.84	0.15	78	<2	0.31	2	739	15	72	0.10	61	20	28
8R162956	1	7.73	2414	4.5	5	<0.01	1	15	141	253	5.25	4.68	0.12	191	<2	0.36	9	1075	6	182	0.11	78	15	29
8R162957	1	6.26	1086	3.5	<5	<0.01	1	3	66	261	4.16	3.22	0.08	9	<2	0.15	<1	871	28	78	0.06	50	<10	11
8R162958	1	6.94	588	2.9	<5	<0.01	<1	5	91	131	3.20	2.40	0.12	36	<2	0.25	2	425	26	34	0.11	51	<10	27
8R162959	<1	5.92	945	2.2	<5	<0.01	<1	2	78	144	2.24	3.10	0.08	9	<2	0.26	<1	254	13	38	0.03	27	<10	9
8R162960	<1	6.74	1599	2.2	<5	<0.01	<1	2	118	61	2.24	4.06	0.06	14	<2	0.32	<1	238	10	58	0.03	15	<10	12
8R162961	1	7.39	1063	4.8	<5	<0.01	1	18	82	446	6.04	3.17	0.15	54	<2	0.30	5	859	21	56	0.13	81	<10	45
8R162962	<1	6.76	767	2.3	<5	<0.01	<1	3	102	129	2.09	2.78	0.10	11	<2	0.26	4	256	<2	52	0.07	41	<10	9
8R162963	1	7.88	836	3.9	11	<0.01	1	4	108	224	4.60	3.41	0.14	<5	<2	0.33	1	389	23	74	0.18	106	24	18

A .2 gm sample is digested with HNO3/HClO4/HF/HCL and diluted to 25 ml.

Signed: _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

8S-0036-RA1

Jul-21-08

Company: **Bushmaster Exploration**
Project: Revenue
Attn: Charlie Chen

We *hereby certify* the following assay of 24 core samples submitted Jul-10-08

Sample Name	Au g/tonne	Au-Check g/tonne
8R162964	0.02	0.05
8R162965	0.25	
8R162966	0.08	
8R162967	0.04	
8R162968	0.02	
8R162969	0.05	
8R162970	1.24	
8R162971	0.14	
8R162972	0.03	
8R162973	0.09	0.13
8R162974	0.48	
8R162975	0.06	
8R162976	0.08	
8R162977	0.85	
8R162978	3.31	
8R162979	0.09	
8R162980	0.02	
8R162981	0.47	
8R162982	0.21	
8R162983	0.03	0.05
8R162984	0.26	
8R162985	2.07	
8R162986	1.20	
8R162987	0.66	
*0218	0.91	
*BLANK	<0.01	

*Certified by*_____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

8S-0036-RA2

Company: **Bushmaster Exploration**
Project: Revenue
Attn: Charlie Chen

Jul-21-08

We *hereby certify* the following assay of 24 core samples submitted Jul-10-08

Sample Name	Au g/tonne	Au-Check g/tonne
8R162988	1.31	1.30
8R162989	0.28	
8R162990	0.79	
8R162991	0.02	
8R162992	0.10	
8R162993	0.05	
8R162994	0.08	
8R162995	0.22	
8R162996	0.04	
8R162997	0.04	0.05
8R162998	0.06	
8R162999	3.25	
8R163000	<0.01	
8R163001	1.98	
8R163002	1.74	
8R163003	0.77	
8R163004	1.53	
8R163005	1.07	
8R163006	0.71	
8R163007	0.56	0.54
8R163008	0.15	
8R163009	0.08	
8R163010	1.06	
8R163011	0.22	
*0218	0.94	
*BLANK	<0.01	

*Certified by*_____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
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Quality Assaying for over 25 Years

Assay Certificate

8S-0036-RA3

Jul-21-08

Company: **Bushmaster Exploration**
Project: Revenue
Attn: Charlie Chen

We *hereby certify* the following assay of 2 core samples submitted Jul-10-08

Sample Name	Au g/tonne	Au-Check g/tonne
8R163012	0.17	0.19
8R163013	0.04	
*0218	0.89	
*BLANK	<0.01	

*Certified by*_____

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Bushmaster Exploration
Attention: Charlie Chen
Project: Revenue
Sample type:

Report No : 8S0036RR
Date : Jul-21-08

ICP-AES Report

Multi-Acid Digestion

Sample Number	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
8R162964	<1	7.12	721	7.6	<5	0.05	1	10	100	246	5.96	2.48	0.12	24	<2	0.33	5	322	<2	77	0.34	132	18	29
8R162965	1	8.46	89	14.8	6	0.05	2	33	117	522	11.47	0.87	0.14	111	<2	0.33	26	1073	119	28	0.79	299	79	102
8R162966	1	8.28	115	16.4	<5	0.02	3	26	291	723	12.62	1.29	0.22	51	<2	0.29	20	1495	555	32	0.49	291	166	196
8R162967	<1	6.75	1524	6.9	14	0.03	1	5	179	213	5.35	4.55	0.15	21	4	0.39	7	555	99	74	0.13	115	25	53
8R162968	<1	6.61	1279	5.3	<5	0.02	<1	5	141	243	3.93	3.37	0.16	14	2	0.32	7	502	9	50	0.13	109	16	34
8R162969	1	7.92	1425	6.2	6	0.03	<1	8	144	300	4.65	4.58	0.29	17	2	0.41	11	504	45	70	0.22	133	49	40
8R162970	<1	5.99	593	8.1	38	9.59	2	68	51	113	6.81	1.03	1.63	2700	10	1.44	28	855	10	370	0.24	116	22	119
8R162971	<1	6.70	1161	5.8	26	0.02	<1	7	144	244	4.35	3.61	0.26	35	<2	0.30	10	511	34	53	0.20	104	52	58
8R162972	<1	6.49	1953	4.5	6	0.02	<1	5	105	158	2.89	3.49	0.14	17	<2	0.30	7	479	28	66	0.11	56	15	36
8R162973	<1	6.95	1451	6.7	<5	0.02	<1	7	104	286	5.06	4.77	0.26	20	<2	0.33	7	418	45	95	0.24	112	26	32
8R162974	<1	8.16	455	8.5	<5	0.02	3	16	158	455	6.03	3.01	0.48	239	<2	0.31	22	593	23	53	0.37	155	128	41
8R162975	<1	7.55	455	7.3	<5	0.02	1	9	164	572	5.25	2.68	0.50	67	<2	0.24	13	449	91	40	0.28	114	89	88
8R162976	1	6.67	1113	5.9	29	0.01	<1	5	99	405	4.32	2.88	0.17	20	<2	0.21	7	305	7	44	0.10	53	13	70
8R162977	<1	6.60	1721	3.2	13	0.01	<1	3	66	157	1.92	3.56	0.12	12	2	0.22	7	154	6	60	0.05	25	<10	14
8R162978	<1	7.48	635	6.2	101	0.02	<1	5	173	594	4.33	2.53	0.26	19	<2	0.29	12	414	28	39	0.14	73	21	49
8R162979	<1	7.66	307	7.8	22	0.02	1	9	143	635	5.64	2.17	0.45	62	<2	0.28	12	535	269	32	0.27	112	57	144
8R162980	<1	7.22	1045	5.6	<5	0.84	<1	7	188	16	1.53	4.06	0.30	294	3	2.72	9	329	6	257	0.15	27	<10	33
8R162981	2	8.39	426	4.7	261	0.03	<1	9	97	360	2.96	1.99	0.65	114	<2	0.32	20	468	629	39	0.31	96	17	47
8R162982	1	7.71	392	3.8	40	0.02	<1	4	148	257	2.18	2.22	0.47	51	2	0.24	17	274	247	30	0.12	61	<10	17
8R162983	<1	6.26	1246	2.1	<5	0.01	<1	2	83	71	0.99	3.22	0.08	15	<2	0.28	10	112	21	53	0.03	11	<10	3
8R162984	1	8.27	651	5.6	<5	0.04	<1	10	163	364	3.83	2.93	0.75	51	2	0.29	17	289	34	56	0.35	118	43	21
8R162985	<1	7.64	252	4.4	45	0.06	<1	6	85	220	2.65	2.01	0.52	43	<2	0.26	13	254	3	33	0.20	70	13	18
8R162986	1	8.01	203	6.1	156	0.09	<1	11	133	647	3.68	1.98	0.63	124	3	0.23	29	604	54	36	0.35	126	49	50
8R162987	<1	6.96	788	5.8	6	0.08	<1	16	104	1482	3.04	2.41	0.33	107	2	0.30	52	458	35	74	0.18	82	31	49
8R162988	<1	7.67	473	12.4	22	0.33	4	45	187	773	9.90	3.99	2.66	574	<2	0.22	54	733	<2	50	0.48	208	55	57
8R162989	<1	7.68	390	9.0	8	0.20	2	37	138	1158	6.71	3.25	1.69	453	<2	0.25	43	517	10	49	0.30	146	53	42
8R162990	2	7.61	674	6.9	<5	1.49	1	21	34	6956	5.16	3.38	1.23	391	<2	3.00	32	896	5	422	0.24	121	<10	77
8R162991	<1	6.28	523	3.1	<5	0.17	2	6	103	107	1.68	1.95	0.56	109	2	2.05	9	187	<2	64	0.03	19	<10	29
8R162992	<1	6.93	316	10.0	<5	0.42	2	35	152	419	7.88	2.90	2.54	234	<2	1.84	38	526	<2	114	0.47	172	11	39
8R162993	<1	7.04	530	9.1	<5	0.38	1	35	142	341	6.81	2.60	1.81	232	<2	1.97	29	327	<2	122	0.38	121	10	53

A .2 gm sample is digested with HNO3/HClO4/HF/HCL and diluted to 25 ml.

Signed: _____

Assayers Canada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6

Tel: (604) 327-3436 Fax: (604) 327-3423

Bushmaster Exploration

Attention: Charlie Chen

Project: Revenue

Sample type:

Report No : 8S0036RR

Date : Jul-21-08

ICP-AES Report

Multi-Acid Digestion

Sample Number	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
8R162994	<1	7.12	707	7.5	<5	0.36	1	26	115	210	5.57	2.94	1.73	274	<2	1.70	32	407	<2	101	0.36	113	12	74
8R162995	<1	6.20	250	8.4	<5	0.36	1	23	159	243	6.49	2.12	1.77	294	<2	1.43	25	289	<2	77	0.27	94	<10	60
8R162996	<1	7.31	324	9.8	23	0.43	1	30	177	859	7.60	2.69	2.38	265	<2	1.25	34	405	<2	71	0.33	149	16	53
8R162997	<1	7.10	488	7.7	7	0.31	1	23	178	233	5.77	2.49	1.68	262	<2	0.35	26	374	<2	39	0.25	106	17	49
8R162998	<1	7.95	683	8.5	<5	0.31	1	28	155	266	6.32	3.23	1.96	237	<2	0.26	32	401	<2	42	0.36	125	34	50
8R162999	<1	6.42	427	7.7	39	0.33	1	24	218	357	5.77	2.80	1.73	211	<2	0.55	40	329	<2	42	0.26	103	27	71
8R163000	<1	7.20	1046	5.6	<5	0.79	<1	8	126	5	1.64	4.21	0.33	310	<2	2.68	8	335	6	240	0.17	28	13	33
8R163001	<1	7.58	220	10.1	9	0.38	1	28	189	385	7.71	3.32	2.38	260	<2	0.55	51	433	<2	41	0.36	139	25	66
8R163002	<1	7.24	238	9.2	67	0.42	1	25	125	652	6.97	3.06	2.12	217	<2	0.98	27	553	<2	63	0.38	146	19	53
8R163003	<1	7.05	296	8.9	<5	0.46	1	40	162	263	6.76	2.88	2.10	268	<2	1.50	22	538	<2	102	0.36	139	13	83
8R163004	1	6.86	262	11.0	16	0.47	2	47	120	895	8.67	2.76	1.90	219	<2	1.63	23	689	<2	109	0.47	191	13	69
8R163005	1	6.70	231	9.1	5	1.62	1	37	127	866	6.98	1.96	1.89	305	<2	1.86	21	606	<2	147	0.51	189	11	66
8R163006	<1	7.28	230	10.1	10	1.45	1	41	149	582	7.81	2.43	2.18	321	<2	2.10	36	653	<2	126	0.46	187	13	80
8R163007	<1	6.75	190	9.0	<5	0.72	1	41	202	490	7.08	2.33	1.88	257	<2	0.98	41	424	<2	68	0.35	121	16	73
8R163008	<1	6.86	289	9.3	<5	1.99	1	36	129	170	7.09	1.88	2.32	437	<2	2.35	30	567	<2	170	0.56	210	<10	47
8R163009	<1	7.12	1234	7.1	<5	0.37	<1	22	144	182	5.28	3.53	1.42	240	<2	0.54	25	337	<2	70	0.30	117	19	30
8R163010	<1	7.21	283	10.1	8	0.43	1	25	201	351	7.83	3.39	2.45	289	<2	1.25	29	505	<2	90	0.38	162	16	70
8R163011	<1	7.22	1112	5.2	<5	0.24	<1	15	180	99	3.37	3.32	1.18	216	2	0.25	25	428	<2	58	0.29	96	25	30
8R163012	<1	6.42	1670	3.0	11	0.23	<1	7	157	81	1.71	3.69	0.32	98	15	1.83	9	105	8	90	0.06	18	<10	13
8R163013	<1	6.22	797	6.7	<5	0.24	1	21	240	252	5.10	3.94	1.47	206	2	0.68	27	249	7	84	0.20	87	11	31

A .2 gm sample is digested with HNO3/HClO4/HF/HCL and diluted to 25 ml.

Signed: _____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

8S-0039-RA1

Company: **Bushmaster Exploration**
Project: Revenue
Attn: Charlie Chen

Jul-21-08

We *hereby certify* the following assay of 24 core samples submitted Jul-10-08

Sample Name	Au g/tonne	Au-Check g/tonne
8R163014	0.04	0.04
8R163015	0.09	
8R163016	0.65	
8R163017	0.10	
8R163018	0.04	
8R163019	0.23	
8R163020	0.01	
8R163021	0.12	
8R163022	<0.01	
8R163023	0.05	0.04
8R163024	0.11	
8R163025	0.11	
8R163026	0.31	
8R163027	0.11	
8R163028	0.05	
8R163029	0.01	
8R163030	0.59	
8R163031	0.07	
8R163032	0.04	
8R163033	0.08	0.06
8R163034	0.09	
8R163035	0.03	
8R163036	0.03	
8R163037	0.02	
*0218	0.94	
*BLANK	<0.01	

*Certified by*_____

ASSAYERS CANADA

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

8S-0039-RA2

Company: **Bushmaster Exploration**
Project: Revenue
Attn: Charlie Chen

Jul-21-08

We *hereby certify* the following assay of 24 core samples submitted Jul-10-08

Sample Name	Au g/tonne	Au-Check g/tonne
8R163038	0.03	0.01
8R163039	0.03	
8R163040	0.02	
8R163041	0.01	
8R163042	0.03	
8R163043	0.01	
8R163044	0.02	
8R163045	0.01	
8R163046	0.02	
8R163047	0.02	0.01
8R163048	0.01	
8R163049	0.03	
8R163050	0.75	
8R163051	0.01	
8R163052	0.02	
8R163053	0.07	
8R163054	0.01	
8R163055	0.02	
8R163056	0.03	
8R163057	0.02	0.02
8R163058	0.06	
8R163059	0.03	
8R163060	0.02	
8R163061	0.17	
*0218	0.86	
*BLANK	<0.01	

*Certified by*_____

Assayers Canada
8282 Sherbrooke St.
Vancouver, B.C.
V5X 4R6
Tel: (604) 327-3436
Fax: (604) 327-3423

Quality Assaying for over 25 Years

Assay Certificate

8S-0039-RA3

Company: **Bushmaster Exploration**
Project: Revenue
Attn: Charlie Chen

Jul-21-08

We *hereby certify* the following assay of 2 core samples submitted Jul-10-08

Sample Name	Au g/tonne	Au-Check g/tonne
8R163062	0.02	0.01
*0218	0.93	
*BLANK	<0.01	

*Certified by*_____

Assay Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Bushmaster Exploration
Attention: Charlie Chen
Project: Revenue
Sample type:

Report No : 8S0039RR
Date : Jul-21-08

ICP-AES Report

Multi-Acid Digestion

Sample Number	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
8R163014	<1	6.46	955	6.8	<5	0.34	<1	26	149	199	4.80	2.00	0.83	225	3	0.17	28	544	<2	36	0.43	160	91	29
8R163015	<1	7.66	1258	7.1	<5	0.35	<1	24	104	207	5.28	2.99	1.61	247	<2	0.27	18	461	<2	49	0.34	145	28	28
8R163016	<1	7.59	963	7.2	<5	1.09	<1	22	86	167	5.08	3.28	1.18	546	<2	0.27	17	417	10	72	0.23	95	25	83
8R163017	<1	4.98	438	8.6	<5	3.04	1	18	132	114	6.25	1.82	1.41	507	2	0.13	20	278	5	103	0.17	74	32	82
8R163018	<1	6.14	1005	6.5	5	1.19	<1	18	146	214	4.68	2.84	0.99	290	2	0.20	17	274	<2	72	0.13	66	10	32
8R163019	<1	6.89	1070	7.8	24	0.97	<1	28	108	640	6.11	3.21	1.35	239	<2	0.45	11	585	4	78	0.32	113	11	25
8R163020	17	7.19	972	10.3	<5	0.84	<1	8	150	57	1.69	4.19	0.35	403	3	2.70	9	383	11	236	0.20	38	<10	35
8R163021	<1	6.97	1156	6.4	10	0.80	1	21	117	284	4.81	3.84	0.99	278	<2	0.42	12	476	53	105	0.19	83	11	94
8R163022	<1	7.17	1784	5.0	<5	0.29	1	15	119	121	3.53	3.50	0.79	270	<2	0.29	9	346	82	71	0.17	55	14	132
8R163023	<1	7.14	890	8.3	<5	0.27	1	33	124	227	6.61	2.66	1.31	671	<2	0.20	21	506	2	47	0.25	93	35	127
8R163024	<1	7.51	862	7.3	<5	0.41	<1	26	120	280	5.57	2.43	1.07	451	<2	0.23	14	873	11	43	0.24	77	27	87
8R163025	<1	7.29	446	8.1	20	0.25	1	31	122	273	6.19	1.80	0.69	567	<2	0.24	16	529	15	27	0.22	70	22	120
8R163026	<1	6.34	226	10.0	<5	0.25	59	45	158	359	7.70	1.38	0.68	741	<2	0.14	34	382	593	23	0.33	134	67	4314
8R163027	<1	6.91	237	11.6	<5	0.37	6	52	184	401	9.24	1.78	1.17	661	<2	0.18	43	576	33	24	0.46	201	153	410
8R163028	<1	6.79	587	8.2	<5	0.27	2	38	164	270	6.41	1.96	0.72	349	2	0.18	33	516	<2	32	0.39	178	101	76
8R163029	<1	5.94	496	6.8	10	0.17	1	32	122	260	5.51	2.80	0.57	373	<2	0.23	23	277	5	43	0.21	75	37	95
8R163030	1	7.71	698	6.7	<5	1.75	<1	20	34	5106	5.09	3.37	1.38	430	<2	3.00	18	984	6	442	0.26	134	<10	64
8R163031	<1	6.30	944	7.3	<5	0.24	<1	29	163	295	5.86	2.85	0.77	229	<2	0.24	21	323	<2	42	0.24	93	46	25
8R163032	<1	5.03	487	6.0	14	0.30	1	19	151	362	4.53	1.91	0.83	231	<2	0.24	22	251	121	33	0.17	64	<10	51
8R163033	<1	6.52	1693	5.8	<5	0.42	<1	20	139	179	4.34	3.99	1.10	153	<2	0.77	18	1229	3	194	0.28	105	<10	16
8R163034	<1	6.84	1790	5.2	<5	0.38	<1	19	83	148	3.73	3.66	0.95	199	<2	0.24	15	1340	<2	161	0.29	113	18	24
8R163035	<1	5.90	1596	5.7	<5	0.12	2	23	117	159	4.05	3.01	0.43	372	4	0.23	15	267	15	93	0.17	61	13	72
8R163036	<1	5.71	1217	5.3	<5	0.13	3	19	93	111	3.51	2.50	0.36	311	2	0.18	16	298	29	48	0.16	57	12	90
8R163037	<1	5.17	616	5.3	<5	0.44	1	17	154	138	3.73	1.69	0.50	272	3	0.17	15	344	11	29	0.14	51	18	55
8R163038	<1	5.98	1225	4.7	<5	0.20	<1	17	111	100	3.01	2.39	0.43	244	2	0.25	12	260	4	41	0.15	50	13	33
8R163039	<1	5.86	1023	4.5	<5	0.25	<1	12	118	79	2.74	2.21	0.54	266	4	0.21	8	208	<2	39	0.11	48	<10	38
8R163040	<1	5.22	760	5.2	<5	0.34	1	16	113	127	3.47	1.76	0.46	243	<2	0.18	11	268	27	31	0.10	40	10	56
8R163041	<1	6.43	1278	3.7	<5	0.33	<1	9	98	78	2.17	2.47	0.52	130	2	0.32	8	148	<2	50	0.09	23	<10	16
8R163042	<1	6.30	1360	4.5	<5	0.62	<1	11	114	451	2.99	2.55	0.79	163	<2	0.85	9	174	3	67	0.11	29	<10	28
8R163043	<1	6.57	1687	4.3	<5	0.40	<1	10	122	76	2.84	2.81	0.97	146	2	1.03	9	263	<2	72	0.12	28	<10	20

A .2 gm sample is digested with HNO3/HClO4/HF/HCL and diluted to 25 ml.

Signed: _____

Assayers Canada

8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

Bushmaster Exploration

Attention: Charlie Chen

Project: Revenue

Sample type:

Report No : 8S0039RR

Date : Jul-21-08

ICP-AES Report

Multi-Acid Digestion

Sample Number	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
8R163044	<1	6.41	1688	4.7	<5	0.28	<1	13	93	533	3.04	3.14	0.74	152	<2	0.78	11	210	2	74	0.12	32	<10	32
8R163045	<1	7.30	2097	5.7	<5	0.45	<1	17	110	186	3.81	3.32	0.99	195	3	0.77	12	309	<2	103	0.20	78	16	19
8R163046	<1	7.18	2346	4.9	<5	0.22	<1	15	117	125	3.06	3.52	0.62	251	3	0.34	11	316	<2	88	0.12	42	<10	40
8R163047	<1	6.55	1502	6.5	33	0.45	1	22	98	641	4.49	2.91	0.85	284	<2	0.25	16	1283	<2	99	0.22	98	19	51
8R163048	<1	6.06	1378	6.4	<5	0.33	1	22	125	544	4.56	3.56	0.65	364	<2	0.28	16	1074	<2	162	0.19	85	21	58
8R163049	<1	6.00	1654	6.0	<5	0.26	1	23	108	191	4.21	3.24	0.51	417	<2	0.28	14	676	<2	115	0.13	56	16	51
8R163050	<1	3.85	133	11.8	235	>15.00	3	52	87	216	9.97	0.43	1.45	2762	23	0.41	61	772	10	135	0.43	95	60	154
8R163051	<1	8.25	815	7.4	<5	0.41	1	25	70	405	5.12	2.53	1.24	382	<2	0.20	18	601	<2	48	0.31	137	58	50
8R163052	<1	7.96	2216	6.0	<5	0.57	<1	17	82	443	3.80	3.18	0.65	272	<2	0.29	12	414	<2	86	0.21	87	28	26
8R163053	<1	6.57	1747	4.9	<5	0.80	<1	10	73	466	3.03	3.02	0.71	207	<2	0.36	7	345	<2	92	0.12	28	<10	25
8R163054	<1	6.59	2769	5.6	5	1.03	1	19	106	177	3.81	3.76	0.54	553	5	0.24	10	183	6	105	0.07	23	<10	68
8R163055	<1	6.06	1416	5.9	8	0.73	1	19	109	303	4.20	3.09	0.81	321	<2	0.26	16	709	<2	118	0.16	54	<10	38
8R163056	<1	5.80	1271	3.6	<5	0.71	<1	6	63	108	2.22	2.60	0.44	147	4	1.78	2	107	<2	100	0.08	9	<10	18
8R163057	<1	5.89	1101	4.3	<5	0.86	<1	6	72	88	2.69	2.15	0.46	163	3	2.43	2	130	<2	104	0.09	9	<10	16
8R163058	<1	6.14	956	5.6	<5	0.67	<1	9	114	118	3.83	2.07	0.57	153	<2	2.12	3	282	<2	115	0.12	10	<10	16
8R163059	<1	6.50	1138	5.7	<5	0.76	<1	8	81	106	3.84	2.24	0.49	163	2	2.32	1	308	<2	161	0.15	12	<10	28
8R163060	<1	6.57	1016	6.1	<5	0.75	<1	14	114	152	4.08	2.33	0.74	142	<2	2.15	5	573	<2	154	0.22	41	15	19
8R163061	<1	6.05	841	4.6	<5	0.53	<1	12	101	158	3.02	1.57	0.45	107	2	3.11	2	287	<2	111	0.12	15	<10	23
8R163062	<1	5.86	819	5.1	<5	0.82	<1	14	175	144	3.45	1.93	0.62	134	<2	2.61	4	273	<2	107	0.14	33	<10	15

A .2 gm sample is digested with HNO3/HClO4/HF/HCL and diluted to 25 ml.

Signed: _____

15-Sep-08

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AW 2008-8256
Total Digest

Bushmaster Exploration
900 - 475 Howe Street
Vancouver, BC
V6C 2B3

No. of samples received: 35
Sample Type: Core
Project: Nucleus
Shipment #:2008-REV012A
Submitted by: Debbie James

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	8R162351	45	0.2	8.61	20	985	<5	0.66	<1	9	108	303	3.98	3.61	30	0.88	173	6	2.90	12	770	58	5	<20	357	0.27	<10	57	<10	18	27
2	8R162352	75	0.2	8.64	15	730	<5	0.53	<1	16	139	480	4.76	3.37	20	1.55	278	5	2.72	33	670	40	5	<20	275	0.25	<10	70	<10	26	50
3	8R162353	115	<0.2	8.56	35	1225	<5	0.99	<1	11	145	316	4.09	3.90	20	0.86	186	8	2.91	18	890	64	<5	<20	383	0.26	<10	46	<10	16	46
4	8R162354	750	0.6	8.30	90	1085	<5	0.46	<1	7	128	552	4.68	3.24	50	0.60	122	6	2.86	13	730	38	10	<20	330	0.19	<10	58	<10	14	43
5	8R162355	205	0.4	9.33	30	1600	<5	0.58	<1	3	106	488	3.55	3.63	30	0.41	49	7	2.53	11	800	52	15	<20	599	0.29	<10	67	<10	9	30
6	8R162356	210	<0.2	8.94	80	2115	<5	0.11	<1	<1	91	904	>10	4.69	80	0.49	21	6	0.87	11	1230	38	15	<20	296	0.15	<10	82	<10	14	28
7	8R162357	360	0.8	8.51	310	1525	<5	0.07	1	<1	103	139	1.62	5.33	40	0.28	16	3	0.76	5	740	24	10	<20	227	0.08	<10	104	<10	16	10
8	8R162358	70	<0.2	8.47	45	2050	<5	0.05	<1	<1	95	77	0.68	4.42	30	0.18	21	3	0.65	3	280	28	10	<20	349	0.06	<10	56	<10	10	8
9	8R162359	130	0.4	7.94	65	1270	<5	0.03	<1	<1	120	146	0.77	3.22	40	0.10	13	3	0.48	3	300	24	15	<20	131	0.03	<10	38	<10	9	4
10	8R162360	70	0.2	8.15	10	1545	<5	0.03	<1	<1	111	111	0.29	3.88	30	0.15	8	1	0.51	<1	110	8	10	<20	211	0.02	<10	53	<10	9	2
11	8R162361	45	<0.2	8.07	5	1870	<5	0.01	<1	<1	115	118	0.18	4.53	30	0.18	8	1	0.52	1	70	6	<5	<20	254	<0.01	<10	59	<10	7	1
12	8R162362	30	0.8	7.82	<5	1645	<5	<0.01	<1	<1	147	157	0.11	3.16	30	0.14	3	2	0.58	<1	40	<2	<5	<20	117	<0.01	<10	26	<10	12	1
13	8R162363	30	0.2	8.07	10	2885	<5	0.02	<1	2	136	411	0.76	4.25	30	0.19	21	2	0.67	1	110	8	5	<20	138	0.02	<10	40	<10	19	9
14	8R162364	150	0.2	7.33	65	1465	<5	0.09	<1	<1	109	313	2.30	3.06	40	0.34	18	5	1.04	7	470	38	15	<20	114	0.08	<10	13	<10	13	18
15	8R162365	135	0.4	7.45	5	2010	<5	<0.01	<1	<1	124	80	0.16	3.46	30	0.12	3	1	1.08	<1	40	<2	<5	<20	177	<0.01	<10	8	<10	8	<1
16	8R162366	75	0.3	6.21	30	1565	<5	0.02	<1	<1	171	180	0.39	2.41	30	0.11	12	2	0.58	<1	70	2	<5	<20	92	0.01	<10	8	<10	10	4
17	8R162367	65	<0.2	6.69	10	980	<5	<0.01	<1	<1	162	295	0.16	2.48	30	0.10	3	2	0.41	<1	30	<2	5	<20	86	<0.01	<10	8	<10	8	2
18	8R162368	80	<0.2	7.02	25	1750	<5	0.02	<1	<1	184	110	0.67	4.15	30	0.06	18	3	0.48	3	120	20	15	<20	166	0.03	<10	5	<10	9	10
19	8R162369	115	0.4	6.86	75	1600	<5	0.06	<1	<1	193	124	1.35	3.75	30	0.09	24	7	0.44	7	260	52	25	<20	153	0.08	<10	10	<10	9	11
20	8R162370	90	0.2	7.06	170	980	<5	0.05	<1	<1	177	129	1.37	2.98	30	0.11	20	4	0.42	5	290	38	30	<20	97	0.07	<10	10	<10	9	12
21	8R162371	45	<0.2	7.09	105	840	<5	0.05	<1	<1	149	112	1.84	3.12	40	0.14	16	5	0.42	6	390	42	25	<20	84	0.08	<10	11	<10	9	19
22	8R162372	65	<0.2	7.82	95	1345	<5	0.06	<1	2	154	287	4.73	3.02	30	0.15	52	5	0.49	9	730	44	30	<20	81	0.11	<10	27	<10	9	56
23	8R162373	90	0.4	7.79	30	1215	<5	0.35	<1	6	121	245	6.13	3.00	30	0.18	80	5	3.05	11	930	38	10	<20	267	0.27	<10	32	<10	14	60
24	8R162374	630	1.2	8.15	15	705	<5	2.03	<1	15	31	5479	5.69	3.17	20	1.37	389	3	2.38	19	1180	40	<5	<20	490	0.23	<10	131	<10	14	55
25	8R162375	70	0.6	8.30	20	725	<5	0.57	<1	10	124	612	6.13	2.60	20	0.23	108	8	3.28	10	790	30	10	<20	323	0.35	<10	22	<10	17	60
26	8R162376	5	0.2	6.72	10	1290	<5	1.04	<1	4	101	23	1.56	2.87	40	0.37	337	2	2.05	8	480	32	<5	<20	252	0.20	<10	35	<10	17	40
27	8R162377	135	0.2	7.60	35	1760	<5	0.15	<1	2	128	138	5.12	3.06	20	0.23	37	8	1.78	9	660	50	10	<20	235	0.14	<10	38	<10	7	60
28	8R162378	30	0.4	7.30	15	2300	<5	0.14	<1	2	128	150	3.60	3.93	10	0.19	53	7	1.90	7	390	46	10	<20	245	0.05	<10	33	<10	6	39
29	8R162379	205	<0.2	9.70	5	2985	<5	0.29	<1	7	144	259	5.91	6.43	10	1.49	115	6	1.52	12	710	58	10	<20	258	0.27	<10	133	<10	14	48
30	8R162380	150	<0.2	8.87	10	1675	<5	0.23	<1	5	116	435	5.19	4.93	20	0.27	36	4	2.66	10	670	46	10	<20	263	0.11	<10	78	<10	8	30

ECO TECH LABORATORY LTD. ICP CERTIFICATE OF ANALYSIS AW 2008-8256 Bushmaster Exploration

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	8R162381	140	0.2	8.64	40	5625	<5	0.10	<1	3	113	147	5.72	6.27	<10	0.14	57	9	0.82	10	750	66	20	<20	456	0.07	<10	39	<10	3	41
32	8R162382	420	<0.2	7.84	495	2855	10	0.11	2	5	137	193	3.68	4.61	<10	0.12	81	3	1.85	13	350	40	10	<20	253	0.03	<10	31	<10	3	30
33	8R162383	200	<0.2	8.90	115	7345	<5	0.18	<1	14	131	153	3.84	6.34	<10	0.11	133	5	2.35	13	520	62	5	<20	697	0.04	<10	22	<10	4	50
34	8R162384	120	2.4	7.52	565	3545	<5	0.11	2	<1	133	118	2.13	4.54	<10	0.10	34	3	2.33	8	180	32	<5	<20	340	0.01	<10	14	<10	3	22
35	8R162385	60	0.2	7.41	15	2515	<5	0.13	<1	1	128	118	3.41	4.08	10	0.20	50	5	1.77	7	400	46	10	<20	256	0.06	<10	39	<10	7	42
QC DATA:																															
Repeat:																															
1	8R162351	50	<0.2	8.44	15	980	<5	0.61	<1	<1	108	298	4.13	3.56	30	0.85	177	2	2.90	<1	750	52	<5	<20	345	<0.01	<10	55	<10	18	21
4	8R162354	715																													
7	8R162357	425																													
10	8R162360	85	<0.2	8.27	10	1590	<5	0.06	<1	<1	121	113	1.16	3.97	30	0.15	10	4	0.50	<1	190	54	25	<20	212	0.06	<10	52	<10	9	11
19	8R162369	95	0.5	6.98	75	1600	<5	0.05	<1	<1	188	134	1.27	3.83	30	0.08	23	7	0.47	6	240	46	25	<20	153	0.07	<10	8	<10	9	11
32	8R162382	400																													
Resplit:																															
1	8R162351	45	<0.2	8.42	15	955	<5	0.72	<1	8	109	316	3.49	3.46	30	0.90	142	4	2.81	11	660	48	5	<20	362	0.23	<10	58	<10	19	25
Standard:																															
Se29		620																													
StSd-3			0.4	5.27	25	1315	<5	2.43	1	13	61	39	4.06	1.39	30	1.26	2489	8	1.17	32	1700	42	<5	<20	258	0.36	<10	111	<10	30	208

Au: 30g FA - AA Finish
ICP : Total Digest - ICP/AES Finish
Ag : Total Digest- AA Finish

JJ/ap
df/td8253s
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Eco Tech LABORATORY LTD.

ASSAYING, GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING
ISO 9001 Accredited Co.

10041 Dallas Drive, Kamloops, BC V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
E-mail: info@ecotechlab.com
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CERTIFICATE OF ASSAY AW 2008-8281

Bushmaster Exploration
900 - 475 Howe Street
Vancouver, BC
V6C 2B3

25-Sep-08

No. of samples received: 35
Sample Type: Core
Project: Nucelus
Shipment #:2008REV012B
Submitted by: Debbie James

ET #.	Tag #	Au (g/t)	Au (oz/t)
34	8R162419	4.18	0.122

QC DATA:

Repeat:			
34	8R162419	4.04	0.118
Standard:			
OXI67		1.82	0.053

JJ/nw
XLS/08

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Sep-08

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AW 2008-8281
Total Digest

Bushmaster Exploration
900 - 475 Howe Street
Vancouver, BC
V6C 2B3

No. of samples received: 35
Sample Type: Core
Project: Nucelus
Shipment #:2008REV012B
Submitted by: Debbie James

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zr
1	8R162386	120	0.2	8.15	75	3570	<5	0.19	<1	1	107	315	5.55	2.80	<10	0.25	45	3	2.00	11	650	50	10	<20	342	0.12	<10	54	<10	7	7
2	8R162387	325	0.4	6.94	90	2065	<5	0.15	<1	<1	119	248	4.98	2.77	20	0.16	29	4	1.75	9	660	28	15	<20	218	0.10	<10	39	<10	8	3
3	8R162388	70	0.4	7.54	95	1260	<5	0.03	<1	<1	95	467	5.71	2.48	10	0.24	5	4	0.19	9	870	30	25	<20	63	0.15	<10	73	<10	6	1
4	8R162389	80	0.2	7.00	170	970	<5	0.03	<1	<1	107	301	6.06	2.70	20	0.22	22	3	0.20	10	790	32	40	<20	76	0.17	<10	75	<10	6	2
5	8R162390	180	<0.2	6.75	40	2315	<5	0.03	<1	2	103	156	3.38	3.01	30	0.14	89	3	0.21	6	260	34	20	<20	76	0.05	<10	9	<10	12	4
6	8R162391	60	<0.2	7.33	15	2345	<5	0.12	<1	2	84	233	3.55	2.72	20	0.80	68	3	1.08	9	480	44	15	<20	146	0.16	<10	44	<10	10	2
7	8R162392	75	<0.2	7.44	50	1850	<5	0.25	1	9	99	237	3.24	2.68	<10	0.87	130	3	2.78	13	440	232	10	<20	222	0.07	<10	44	<10	6	8
8	8R162393	55	<0.2	9.28	25	2625	15	0.26	<1	12	77	132	5.18	3.16	10	1.84	370	5	0.97	14	630	86	10	<20	145	0.22	<10	97	<10	23	12
9	8R162394	255	<0.2	8.12	15	2640	725	0.25	<1	8	102	188	4.97	2.76	20	2.13	299	4	1.81	13	670	82	20	<20	176	0.21	<10	110	<10	13	7
10	8R162395	40	0.6	7.89	15	5115	5	0.11	<1	10	76	296	7.88	2.60	10	0.74	180	4	0.79	15	670	38	10	<20	159	0.17	<10	105	<10	11	5
11	8R162396	70	<0.2	8.58	25	1970	<5	0.11	<1	3	77	380	5.94	2.93	20	0.63	41	4	0.83	13	680	38	10	<20	127	0.19	<10	105	<10	10	4
12	8R162397	30	0.2	8.22	5	1585	<5	0.04	<1	1	107	160	3.99	2.97	30	0.36	30	4	0.28	9	580	34	10	<20	96	0.17	<10	72	<10	8	31
13	8R162398	<5	0.2	8.05	10	1155	<5	1.10	<1	3	96	11	1.76	2.92	40	0.45	363	6	2.19	10	440	52	<5	<20	271	0.26	<10	32	<10	17	4
14	8R162399	40	0.2	7.41	35	1510	<5	0.04	<1	2	95	187	4.84	3.40	30	0.21	27	5	0.28	7	460	34	20	<20	104	0.12	<10	49	<10	12	5
15	8R162400	35	0.2	6.99	15	1640	<5	0.03	<1	<1	91	80	2.20	3.07	30	0.13	12	3	0.21	4	210	36	30	<20	79	0.02	<10	14	<10	3	9
16	8R162401	215	<0.2	7.03	30	875	5	0.03	<1	<1	85	133	2.68	3.20	30	0.22	17	6	0.23	8	440	32	25	<20	73	0.09	<10	46	<10	10	3
17	8R162402	500	<0.2	7.23	35	840	10	0.04	<1	3	192	177	3.56	3.82	30	0.49	71	3	0.27	12	640	38	25	<20	105	0.14	<10	79	<10	7	7
18	8R162403	115	0.2	6.76	590	800	10	0.03	2	<1	99	80	2.25	3.85	20	0.24	13	3	0.23	8	370	46	25	<20	92	0.10	<10	49	<10	6	3
19	8R162404	40	0.4	5.47	125	650	<5	0.03	<1	<1	95	61	1.62	2.37	20	0.15	19	4	0.17	6	210	36	55	<20	71	0.06	<10	19	<10	5	1
20	8R162405	95	0.6	6.37	340	430	<5	0.03	<1	<1	86	91	1.59	2.10	20	0.18	22	4	0.17	7	300	40	60	<20	56	0.12	<10	52	<10	4	2
21	8R162406	45	0.4	6.28	200	730	<5	0.04	<1	2	87	136	3.34	2.89	30	0.19	103	4	0.21	10	540	60	55	<20	92	0.12	<10	39	<10	7	6
22	8R162407	25	0.4	6.18	365	1135	<5	0.02	1	<1	119	83	1.93	3.61	20	0.08	14	4	0.24	6	240	48	30	<20	78	0.02	<10	11	<10	4	1
23	8R162408	20	0.4	6.38	400	1115	<5	0.02	1	<1	115	81	1.30	3.58	20	0.06	11	4	0.24	7	170	50	25	<20	72	0.02	<10	8	<10	3	9
24	8R162409	20	0.2	6.12	290	1035	<5	0.03	<1	<1	98	102	1.23	3.41	30	0.08	11	3	0.23	6	170	48	20	<20	71	0.02	<10	9	<10	5	1
25	8R162410	830	2.0	8.14	5	650	<5	1.51	<1	14	34	7512	4.95	2.94	20	1.37	386	3	3.02	30	1150	46	<5	<20	496	0.23	<10	111	<10	13	8

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Z
26	8R162411	10	0.6	6.69	190	1245	<5	0.03	<1	<1	103	96	1.09	3.37	30	0.06	10	4	0.25	6	170	48	25	<20	73	0.03	<10	9	<10	4	
27	8R162412	25	0.4	6.62	145	1335	<5	0.03	<1	<1	102	81	1.11	3.40	20	0.09	9	3	0.26	5	220	78	25	<20	111	0.06	<10	28	<10	6	1
28	8R162413	410	0.6	7.52	165	1630	<5	0.04	<1	<1	92	130	1.30	3.16	30	0.15	13	4	0.30	8	500	90	25	<20	150	0.12	<10	47	<10	7	1
29	8R162414	440	1.4	5.58	3240	740	<5	0.04	8	<1	84	199	3.21	2.58	20	0.16	30	4	0.19	27	470	668	50	<20	111	0.07	<10	38	<10	5	3
30	8R162415	305	0.6	5.31	120	720	<5	0.02	<1	<1	113	143	2.21	2.27	20	0.10	11	4	0.17	6	280	64	30	<20	82	0.04	<10	17	<10	7	3
31	8R162416	200	0.6	5.90	135	1210	<5	0.02	<1	<1	97	106	2.38	3.15	20	0.09	12	3	0.23	6	290	32	15	<20	153	0.05	<10	17	<10	7	4
32	8R162417	285	0.8	7.78	1040	1375	<5	0.02	3	2	93	229	3.58	2.97	30	0.11	20	4	0.26	14	540	30	25	<20	131	0.13	<10	28	<10	12	7
33	8R162418	450	1.0	7.77	855	1805	5	0.03	2	<1	107	106	2.74	3.78	20	0.15	14	5	0.28	15	580	38	25	<20	193	0.09	<10	37	<10	8	6
34	8R162419	>1000	3.2	9.88	3330	1735	90	0.05	9	29	81	3719	7.52	6.55	20	0.19	26	6	0.41	42	640	78	45	<20	268	0.23	<10	94	<10	9	22
35	8R162420	15	0.4	6.90	20	1525	<5	0.03	<1	<1	97	66	1.95	3.30	20	0.13	12	3	0.25	3	190	32	25	<20	71	0.02	<10	13	<10	3	1
QC DATA:																															
Repeat:																															
1	8R162386	140	<0.2	7.98	75	3615	<5	0.16	<1	1	104	307	5.42	3.15	<10	0.25	41	3	1.86	11	630	38	10	<20	343	0.12	<10	59	<10	8	7
2	8R162387	300																													
5	8R162390	180																													
9	8R162394	235																													
10	8R162395	50	0.6	8.14	15	5205	10	0.10	<1	9	77	302	7.50	2.83	10	0.75	178	4	0.84	14	630	36	10	<20	163	0.16	<10	106	<10	13	5
17	8R162402	510																													
19	8R162404	35	0.6	5.41	110	635	<5	0.03	<1	<1	95	63	1.49	2.36	20	0.14	19	3	0.20	5	190	34	50	<20	69	0.05	<10	17	<10	5	1
33	8R162418	460																													
Resplit:																															
1	8R162386	90	<0.2	7.78	65	3530	<5	0.14	<1	<1	101	285	4.80	3.24	<10	0.22	35	3	1.94	9	530	40	10	<20	326	0.09	<10	52	<10	7	6
Standard:																															
Stsd3			0.4	5.81	25	1280	<5	2.33	<1	13	57	32	4.12	1.37	30	1.35	2453	7	1.18	31	1750	58	5	<20	212	0.32	<10	116	<10	28	19
SE29		605																													

Au: 30g FA - AA Finish
ICP : Total Digest - ICP/AES Finish
Ag : Total Digest- AA Finish

JJ/ap/nw
df/td8281s
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Eco Tech LABORATORY LTD.

ASSAYING, GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING
ISO 9001 Accredited Co.

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CERTIFICATE OF ASSAY AW 2008-8316

Bushmaster Exploration
900 - 475 Howe Street
Vancouver, BC
V6C 2B3

6-Oct-08

No. of samples received: 35
Sample Type: Core
Project: Nucleus
Shipment #: 2008REV012C
Submitted by: Debbie James

ET #.	Tag #	Au (g/t)	Au (oz/t)
1	8R162421	3.00	0.087

QC DATA:

Standard:

Oxi67	1.84	0.054

JJ/nw
XLS/08

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Oct-08

Alex Stewart Geochemical
ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AW 2008-8316
Total Digest

Bushmaster Exploration
900 - 475 Howe Street
Vancouver, BC
V6C 2B3

No. of samples received: 35
Sample Type: Core
Project: Nucleus
Shipment #: 2008REV012C
Submitted by: Debbie James

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	8R162421	>1000	1.4	9.02	1950	90	55	0.11	4	33	117	4125	3.46	3.36	10	0.19	20	5	0.43	49	720	48	55	<20	212	0.10	<10	85	<10	9	88
2	8R162422	515	<0.2	7.61	225	1480	5	0.17	<1	12	98	679	2.29	3.46	10	0.16	55	3	1.09	16	420	36	15	<20	318	0.04	<10	37	<10	14	64
3	8R162423	520	0.6	7.15	60	1200	15	0.30	2	18	121	597	2.67	2.44	20	0.21	50	5	1.57	21	500	32	<5	<20	310	0.08	<10	46	<10	13	69
4	8R162424	490	<0.2	8.06	180	1190	5	0.30	1	21	108	395	3.14	2.48	20	1.01	80	5	1.65	16	360	30	5	<20	235	0.15	<10	64	<10	17	52
5	8R162425	<5	<0.2	7.06	15	1040	<5	1.01	<1	3	106	20	1.28	2.95	40	0.36	317	6	2.20	10	420	38	<5	<20	262	0.21	<10	27	<10	17	40
6	8R162426	455	<0.2	8.07	410	1000	<5	0.19	1	15	90	627	1.97	2.74	30	0.42	45	5	1.09	16	290	42	15	<20	130	0.09	<10	35	<10	16	44
7	8R162427	335	0.2	8.53	125	525	<5	0.38	<1	19	72	3002	3.11	2.25	40	0.47	66	5	0.41	22	1280	46	40	<20	156	0.22	<10	99	10	21	62
8	8R162428	420	<0.2	8.73	15	610	<5	0.76	<1	26	70	438	5.53	2.25	10	1.79	243	6	1.96	22	950	38	15	<20	303	0.30	<10	114	<10	18	57
9	8R162429	75	<0.2	7.17	25	1420	<5	0.17	<1	6	85	656	0.77	2.61	30	0.23	51	5	1.57	7	140	34	5	<20	151	0.04	<10	15	<10	11	36
10	8R162430	840	1.6	9.32	10	725	<5	1.70	<1	19	36	7495	4.88	2.74	20	1.22	397	2	2.37	33	1050	48	10	<20	466	0.29	<10	126	<10	14	82
11	8R162431	85	<0.2	7.84	20	1800	<5	0.18	<1	2	78	457	0.41	2.80	40	0.08	30	7	1.72	8	120	44	5	<20	172	0.03	<10	1	<10	8	34
12	8R162432	440	0.6	7.27	20	1580	15	0.25	<1	7	95	270	1.30	2.80	30	0.25	107	7	1.47	7	160	46	20	<20	145	0.04	<10	10	<10	8	46
13	8R162433	985	0.6	9.14	75	1005	15	0.51	1	15	78	350	3.35	2.07	20	1.34	261	5	0.65	18	660	40	30	<20	129	0.30	<10	118	20	14	59
14	8R162434	200	<0.2	8.42	5	430	5	1.89	<1	20	73	187	4.56	1.75	10	2.50	478	3	1.17	20	420	34	10	<20	209	0.29	<10	148	<10	20	92
15	8R162435	130	<0.2	7.95	45	755	<5	1.86	<1	11	120	104	3.02	1.68	20	1.28	240	5	2.03	13	390	34	10	<20	265	0.22	<10	72	<10	21	50
16	8R162436	15	<0.2	8.33	10	970	<5	1.90	<1	12	109	112	2.89	1.89	20	1.59	207	5	1.75	12	370	34	10	<20	268	0.27	<10	95	<10	19	47
17	8R162437	400	0.4	7.72	25	860	15	0.36	<1	15	100	740	2.96	2.47	30	0.99	141	3	0.87	12	320	32	20	<20	127	0.11	<10	48	<10	15	44
18	8R162438	180	<0.2	8.50	20	845	10	0.97	<1	12	106	226	3.63	2.22	30	1.56	167	6	2.20	18	390	34	5	<20	276	0.22	<10	74	<10	22	38
19	8R162439	90	<0.2	9.59	5	220	10	1.17	<1	33	144	433	>10	2.22	10	3.46	411	5	1.94	52	620	38	15	20	261	0.59	<10	197	<10	19	101
20	8R162440	230	<0.2	7.34	65	1300	5	0.28	2	8	98	264	1.38	2.80	20	0.24	73	5	1.77	11	160	40	20	<20	128	0.04	<10	11	<10	8	47
21	8R162441	50	<0.2	8.05	125	1035	<5	0.13	<1	11	69	1320	1.17	2.44	30	0.26	31	4	0.39	19	180	38	70	<20	75	0.07	<10	24	<10	14	43
22	8R162442	125	<0.2	8.65	140	785	10	0.30	1	24	138	1088	2.98	2.23	30	1.27	127	8	0.38	42	530	40	45	<20	51	0.43	<10	146	10	16	56
23	8R162443	5	<0.2	8.61	35	700	<5	0.82	<1	29	131	137	6.11	2.31	20	2.68	695	5	0.71	40	660	40	15	<20	73	0.71	<10	185	<10	33	222
24	8R162444	45	<0.2	8.35	115	390	<5	2.45	<1	24	160	208	5.15	1.97	20	3.15	361	5	1.18	49	610	34	15	<20	215	0.46	<10	158	<10	19	85
25	8R162445	150	<0.2	9.74	75	1280	<5	2.22	<1	15	127	152	3.34	2.83	60	2.01	256	4	0.85	49	690	38	15	<20	156	0.42	<10	114	<10	24	62
26	8R162446	40	<0.2	8.11	35	395	<5	2.95	<1	22	143	177	5.02	1.72	30	2.50	335	5	0.97	46	550	36	10	<20	179	0.47	<10	126	<10	20	55
27	8R162447	60	<0.2	8.20	45	1820	<5	1.57	<1	11	114	109	2.66	2.68	30	1.27	191	4	2.17	26	610	36	10	<20	357	0.25	<10	61	<10	16	50
28	8R162448	30	<0.2	7.88	140	285	<5	2.74	<1	16	154	201	4.30	1.77	20	2.47	285	4	0.86	33	450	28	25	<20	180	0.38	<10	141	<10	18	40
29	8R162449	55	<0.2	7.76	125	325	<5	2.98	<1	21	159	168	4.57	1.39	30	2.19	385	4	1.54	50	480	32	25	<20	316	0.46	<10	135	<10	19	61
30	8R162450	5	<0.2	9.63	25	455	<5	3.55	<1	25	126	182	4.15	1.37	30	2.29	629	4	2.79	46	430	34	5	<20	696	0.50	<10	187	<10	24	68

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	8R162451	5	<0.2	8.24	20	495	<5	5.70	<1	20	181	75	4.03	1.33	20	3.07	916	4	2.50	54	390	26	10	<20	560	0.47	<10	163	<10	22	76
32	8R162452	350	<0.2	8.03	130	550	<5	3.41	<1	18	139	134	3.31	1.44	30	2.39	455	4	1.81	40	400	30	10	<20	356	0.38	<10	124	<10	17	48
33	8R162453	25	<0.2	9.10	90	380	<5	3.90	<1	21	157	79	5.02	1.48	20	2.81	696	5	1.79	48	550	36	15	<20	443	0.66	<10	212	<10	22	77
34	8R162454	35	<0.2	7.73	75	1590	<5	2.04	<1	7	122	60	1.10	2.39	<10	0.42	144	3	2.65	9	140	34	10	<20	398	0.07	<10	17	<10	11	42
35	8R162455	720	<0.2	8.49	25	745	10	0.86	<1	15	111	330	3.95	2.25	20	1.84	180	4	2.09	21	420	32	5	<20	262	0.22	<10	89	<10	21	46
QC DATA:																															
Repeat:																															
1	8R162421	>1000	1.4	8.90	1940	85	55	0.10	4	33	105	4064	3.36	3.33	20	0.19	15	4	0.42	48	710	46	55	<20	217	0.12	<10	85	<10	9	87
2	8R162422	545																													
11	8R162431	90	<0.2	7.65	20	1755	<5	0.18	<1	3	73	437	0.41	2.75	40	0.08	32	9	1.49	8	120	44	10	<20	166	0.03	<10	1	<10	8	33
13	8R162433	930																													
18	8R162438	160																													
19	8R162439	110	<0.2	9.13	<5	210	10	1.09	<1	31	138	409	>10	2.13	10	3.27	391	4	1.85	49	590	34	10	20	249	0.57	<10	187	<10	18	96
35	8R162455	750																													
Resplit:																															
1	8R162421	>1000	1.6	8.79	1845	100	40	0.08	2	25	109	4168	3.00	3.37	20	0.19	15	3	0.41	39	670	38	45	<20	223	0.08	<10	85	<10	9	76
Standard:																															
Stsd3			0.6	5.88	30	1395	<5	2.41	1	16	62	41	4.04	1.37	30	1.35	2611	9	1.54	39	1700	66	10	<20	251	0.29	<10	112	<10	29	203
Se29		595																													

Au: 30g FA - AA Finish
ICP : Total Digest - ICP/AES Finish
Ag : Total Digest- AA Finish

JJ/ap
df/td8316s
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Oct-08

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AW 2008-8338
Total Digest

Bushmaster Exploration
900 - 475 Howe Street
Vancouver, BC
V6C 2B3

No. of samples received: 35
Sample Type: Core
Project: Nucleus
Shipment #: 2008REV12D
Submitted by: Debbie James

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zr
1	8R162456	180	<0.2	7.42	30	340	<5	3.94	<1	21	143	86	7.10	1.45	30	1.99	550	4	2.44	28	770	40	10	<20	368	0.69	<10	178	<10	23	35
2	8R162457	50	<0.2	7.76	35	470	<5	4.53	<1	21	217	99	6.68	1.88	20	3.02	658	3	2.49	46	630	38	10	<20	436	0.52	<10	167	<10	20	48
3	8R162458	30	0.2	7.57	30	425	<5	5.77	<1	23	181	29	6.56	1.40	20	2.59	764	5	2.88	51	730	48	10	<20	397	0.61	<10	152	<10	20	52
4	8R162459	40	0.6	8.00	45	1060	<5	3.42	<1	19	125	64	6.11	2.54	20	1.90	459	4	2.79	22	690	48	10	<20	392	0.44	<10	141	<10	17	40
5	8R162460	15	<0.2	6.94	20	350	<5	3.00	<1	13	132	82	4.12	1.13	30	1.23	378	3	2.91	18	750	44	5	<20	291	0.33	<10	90	<10	17	29
6	8R162461	85	<0.2	7.79	55	205	<5	5.44	<1	25	158	97	8.14	1.45	20	2.82	812	4	3.18	46	670	50	10	<20	432	0.60	<10	160	<10	21	52
7	8R162462	220	<0.2	7.00	70	955	<5	1.46	<1	16	141	159	4.72	2.97	30	1.32	192	4	2.59	21	390	52	10	<20	272	0.19	<10	57	<10	10	19
8	8R162463	30	<0.2	7.58	75	335	<5	2.59	<1	15	122	111	5.04	1.63	30	1.90	331	3	2.72	28	530	44	10	<20	304	0.40	<10	106	<10	19	25
9	8R162464	85	<0.2	7.42	30	270	<5	3.75	<1	26	183	134	7.94	1.89	20	3.05	570	3	2.59	53	630	36	10	<20	296	0.57	<10	145	<10	19	44
10	8R162465	70	<0.2	7.54	20	235	<5	3.26	<1	33	168	231	8.47	2.14	20	2.72	398	3	2.61	44	840	34	10	<20	299	0.45	<10	144	<10	17	28
11	8R162466	15	<0.2	7.09	155	525	<5	5.56	<1	15	168	80	5.54	1.71	20	2.02	479	4	2.17	34	550	34	20	<20	366	0.44	<10	122	<10	18	32
12	8R162467	25	0.2	7.22	45	645	<5	4.41	<1	18	188	59	5.45	1.77	20	2.01	632	3	2.88	31	610	36	10	<20	378	0.47	<10	118	<10	19	34
13	8R162468	15	<0.2	7.38	25	415	<5	5.37	<1	21	147	60	6.75	1.28	20	2.39	1002	4	3.22	31	750	36	10	<20	285	0.59	<10	141	<10	23	48
14	8R162469	150	0.2	7.09	85	270	<5	3.41	<1	23	148	183	7.04	1.37	20	2.01	607	4	3.05	35	450	38	10	<20	253	0.49	<10	129	<10	20	33
15	8R162470	795	1.4	4.22	790	115	275	>10	3	43	75	250	>10	0.47	20	1.66	2648	32	0.46	73	840	30	20	<20	143	0.49	<10	71	<10	15	129
16	8R162471	405	<0.2	7.52	100	260	5	5.20	<1	33	158	299	>10	1.63	10	3.38	766	4	2.42	54	590	30	20	<20	282	0.64	<10	216	<10	25	41
17	8R162472	105	<0.2	7.51	105	255	<5	5.08	<1	33	156	292	>10	1.63	10	3.38	769	3	2.37	54	610	32	20	<20	284	0.65	<10	220	<10	25	42
18	8R162473	110	<0.2	6.74	70	565	<5	3.80	<1	16	164	100	5.39	1.68	10	1.60	561	3	2.84	31	500	32	15	<20	311	0.39	<10	117	<10	15	27
19	8R162474	75	<0.2	7.66	25	285	<5	6.96	<1	24	174	80	7.42	1.40	20	2.93	915	5	3.07	43	610	36	10	<20	328	0.58	<10	166	<10	24	47
20	8R162475	150	0.2	7.47	40	1045	<5	1.89	<1	16	132	163	5.25	2.52	<10	1.60	269	4	3.16	23	480	34	10	<20	369	0.23	<10	89	<10	9	23
21	8R162476	80	0.2	7.90	15	350	<5	6.08	<1	28	170	393	8.02	1.60	20	3.36	903	3	2.55	47	860	34	10	<20	271	0.73	<10	209	<10	25	47
22	8R162477	215	<0.2	7.05	5	205	<5	4.66	<1	20	157	95	6.24	1.31	20	2.68	731	3	2.88	33	500	32	10	<20	254	0.46	<10	158	<10	19	57
23	8R162478	210	<0.2	7.67	<5	230	<5	4.29	<1	26	195	129	7.61	1.59	20	3.48	711	3	2.99	48	530	40	5	<20	272	0.51	<10	181	<10	18	40
24	8R162479	40	<0.2	7.42	10	175	<5	2.15	<1	16	130	154	6.75	2.05	20	2.76	429	3	2.50	25	610	30	5	<20	200	0.45	<10	171	<10	19	31
25	8R162480	95	<0.2	7.82	15	215	<5	4.87	<1	24	110	110	8.15	1.58	20	3.14	792	4	2.77	31	720	34	<5	20	283	0.72	<10	230	<10	28	40
26	8R162481	<5	<0.2	7.17	15	980	<5	1.07	<1	4	108	19	1.89	2.99	30	0.32	311	5	2.25	9	460	36	5	<20	252	0.20	<10	31	<10	14	39
27	8R162482	30	<0.2	6.21	130	1450	<5	1.11	<1	4	127	69	1.38	3.47	30	0.18	93	5	2.40	6	140	38	15	<20	116	0.02	<10	8	<10	5	9
28	8R162483	15	<0.2	5.96	105	1395	<5	0.61	<1	2	106	38	1.02	3.74	20	0.12	78	5	2.11	4	140	44	10	<20	104	0.03	<10	3	<10	5	8
29	8R162484	10	<0.2	6.52	85	1035	<5	0.48	<1	3	133	46	2.34	2.70	30	0.28	97	5	1.38	6	170	36	20	<20	90	0.06	<10	7	<10	25	14
30	8R162485	20	<0.2	6.47	30	3165	<5	0.88	<1	2	143	23	1.87	2.79	140	0.30	117	5	2.50	4	180	42	10	<20	151	0.06	<10	4	<10	18	14

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zr
31	8R162486	20	<0.2	6.47	40	1745	<5	1.72	<1	1	172	36	1.91	2.35	40	0.36	114	4	2.42	6	180	40	10	<20	180	0.07	<10	10	<10	27	13
32	8R162487	5	<0.2	6.24	30	980	<5	1.36	<1	2	142	16	1.94	2.13	30	0.23	127	4	2.87	5	180	40	10	<20	147	0.09	<10	7	<10	36	10
33	8R162488	<5	<0.2	6.48	20	995	<5	1.24	<1	2	148	28	2.02	2.23	30	0.29	111	3	2.53	4	210	34	5	<20	164	0.09	<10	8	<10	31	9
34	8R162489	5	<0.2	6.74	55	1100	<5	1.81	<1	3	146	43	2.40	2.53	40	0.34	126	3	2.70	7	250	34	5	<20	179	0.10	<10	15	<10	40	11
35	8R162490	170	<0.2	7.37	45	1105	<5	1.81	<1	16	143	171	5.23	2.45	<10	1.48	269	4	2.93	26	560	36	10	<20	385	0.21	<10	83	<10	9	20
QC DATA:																															
Repeat:																															
1	8R162456	200	<0.2	7.41	30	330	<5	4.17	<1	19	139	81	6.80	1.43	30	1.96	535	3	2.61	27	740	34	10	<20	358	0.65	<10	171	<10	22	32
7	8R162462	220																													
10	8R162465	85	0.2	7.71	20	235	<5	3.45	<1	35	170	237	8.73	2.20	20	2.76	413	4	2.49	47	860	34	10	<20	307	0.48	<10	146	<10	18	31
16	8R162471	365																													
19	8R162474	60	<0.2	7.58	20	280	<5	6.79	<1	23	170	76	7.15	1.39	20	2.84	896	5	2.63	41	580	32	5	<20	325	0.54	<10	166	<10	23	43
20	8R162475		0.2																												
23	8R162478	230																													
Resplit:																															
1	8R162456	230	<0.2	7.37	35	310	<5	4.43	<1	23	128	108	6.96	1.44	20	1.85	495	4	2.54	28	750	36	10	<20	358	0.63	<10	167	<10	20	29
Standard:																															
Stsd3			0.5	5.71	20	1295	<5	2.47	<1	15	58	33	4.20	1.42	30	1.35	2531	8	1.22	32	1710	38	5	<20	251	0.29	<10	119	<10	27	198
Se29		595																													

Au: 30g FA - AA Finish
ICP : Total Digest - ICP/AES Finish
Ag : Total Digest- AA Finish

JJ/ap
df/td8338s
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Oct-08

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
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ICP CERTIFICATE OF ANALYSIS AW 2008-8337
Total Digest

Bushmaster Exploration
900 - 475 Howe Street
Vancouver, BC
V6C 2B3

No. of samples received: 35
Sample Type: Core
Project: Nucleus
Shipment #: 2008REV12E
Submitted by: Debbie James

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	8R162491	15	<0.2	7.06	35	1220	<5	0.89	<1	6	133	59	2.24	3.36	30	0.53	114	4	2.14	11	280	40	5	<20	179	0.12	<10	26	<10	16	35
2	8R162492	25	<0.2	7.23	100	905	5	1.02	<1	12	133	211	4.50	2.45	20	0.86	156	5	3.26	15	480	32	10	<20	196	0.09	<10	48	<10	15	47
3	8R162493	20	0.6	8.93	35	1260	85	1.97	<1	14	150	605	5.26	2.88	10	2.01	325	8	2.69	22	810	40	5	<20	452	0.31	<10	141	<10	16	55
4	8R162494	<5	0.2	7.02	10	1005	<5	0.97	<1	3	84	21	1.59	2.60	40	0.47	309	1	2.21	41	440	38	<5	<20	260	0.20	<10	28	<10	17	38
5	8R162495	<5	<0.2	6.76	5	1255	<5	1.62	<1	10	159	106	3.62	2.10	10	1.55	196	8	1.78	24	620	26	5	<20	267	0.22	<10	125	<10	14	43
6	8R162496	<5	0.2	8.71	5	520	<5	2.54	<1	15	120	135	5.20	1.92	10	2.11	419	4	2.82	16	720	98	<5	<20	470	0.33	<10	146	<10	18	47
7	8R162497	<5	<0.2	8.88	10	570	<5	1.91	<1	15	94	118	5.08	2.30	10	1.66	413	5	3.65	16	520	34	5	<20	344	0.25	<10	151	<10	14	56
8	8R162498	<5	<0.2	8.25	20	795	<5	2.38	<1	12	118	87	4.53	2.07	20	1.53	462	5	3.18	14	730	34	5	<20	593	0.32	<10	111	<10	18	55
9	8R162499	25	<0.2	7.83	10	465	<5	3.36	<1	19	135	56	6.28	1.53	20	2.74	759	5	2.73	29	840	30	<5	<20	385	0.53	<10	174	<10	22	69
10	8R162500	630	1.4	8.16	5	680	<5	1.74	<1	14	31	5448	5.31	3.12	20	1.38	423	3	2.37	13	1100	40	5	<20	450	0.27	<10	135	<10	13	62
11	8R162501	5	<0.2	7.80	55	475	<5	2.33	<1	16	135	98	5.88	1.82	20	1.81	475	4	2.78	25	770	30	10	<20	319	0.45	<10	133	<10	17	61
12	8R162502	35	<0.2	8.47	10	780	<5	3.48	<1	18	137	41	5.81	1.90	30	3.06	764	5	3.32	30	650	30	5	<20	338	0.50	<10	159	<10	22	54
13	8R162503	30	<0.2	8.63	70	405	10	3.41	<1	25	164	116	8.83	2.35	10	3.92	831	6	3.34	49	790	38	10	20	273	0.64	<10	205	<10	26	70
14	8R162504	<5	<0.2	8.25	30	300	<5	4.02	<1	26	156	143	8.85	2.33	10	4.17	801	5	2.33	44	830	34	5	20	312	0.59	<10	211	<10	22	61
15	8R162505	5	<0.2	8.45	35	235	<5	3.72	<1	20	122	59	6.78	1.75	10	3.44	905	5	3.50	36	790	28	5	<20	287	0.56	<10	176	<10	25	74
16	8R162506	10	<0.2	8.14	95	595	<5	4.63	<1	24	322	19	6.88	2.15	20	3.28	935	5	2.44	135	510	32	10	<20	518	0.43	<10	155	<10	21	80
17	8R162507	<5	<0.2	6.36	135	895	<5	0.79	<1	4	121	43	1.76	1.94	30	0.36	100	4	3.06	6	160	26	10	<20	121	0.07	<10	6	<10	20	32
18	8R162508	<5	<0.2	6.65	135	945	<5	0.99	<1	2	134	48	2.00	2.60	30	0.37	148	6	2.75	7	180	30	15	<20	121	0.06	<10	8	<10	15	42
19	8R162509	35	0.4	6.71	180	885	<5	1.17	<1	3	142	63	1.85	2.35	30	0.35	99	4	2.81	6	160	26	10	<20	136	0.06	<10	6	<10	20	39
20	8R162510	10	<0.2	7.21	130	1165	<5	1.28	<1	4	146	99	2.20	2.65	30	0.40	110	7	2.93	8	180	28	15	<20	155	0.07	<10	7	<10	24	50
21	8R162511	<5	<0.2	7.55	145	1140	<5	1.02	<1	8	190	176	4.34	3.04	30	1.24	168	4	2.54	23	500	26	10	<20	152	0.11	<10	47	<10	22	31
22	8R162512	5	<0.2	7.38	175	1160	<5	1.36	<1	7	172	149	4.10	2.66	30	1.15	257	6	2.02	21	660	28	20	<20	136	0.12	<10	54	<10	19	47
23	8R162513	5	<0.2	6.96	110	1190	<5	0.97	<1	4	139	63	1.73	2.40	30	0.39	97	5	2.53	6	210	28	15	<20	115	0.07	<10	18	<10	20	38
24	8R162514	60	<0.2	6.58	180	1410	<5	3.03	<1	3	99	45	2.42	2.36	30	0.55	139	7	0.35	8	200	26	55	<20	130	0.08	<10	22	<10	24	33
25	8R162515	25	<0.2	6.94	135	1260	<5	2.06	<1	5	116	74	2.49	2.64	40	0.52	123	4	0.55	7	220	26	35	<20	108	0.08	<10	19	<10	33	32
26	8R162516	10	<0.2	6.87	50	1245	<5	0.96	<1	5	138	64	2.34	2.59	40	0.47	118	5	2.83	9	210	28	10	<20	138	0.09	<10	18	<10	34	36
27	8R162517	15	<0.2	7.49	70	1185	<5	0.38	<1	5	116	56	3.28	3.03	10	1.21	133	5	2.34	8	630	26	10	<20	159	0.24	<10	52	<10	16	41
28	8R162518	35	<0.2	8.09	60	710	<5	1.29	<1	6	125	59	4.60	2.61	10	2.08	210	7	1.70	12	720	30	10	<20	244	0.30	<10	104	<10	14	45
29	8R162519	55	<0.2	8.58	160	405	<5	2.06	<1	16	87	160	6.04	1.76	20	1.61	226	4	3.41	15	600	36	15	<20	307	0.27	<10	141	<10	11	44
30	8R162520	20	<0.2	8.13	85	525	<5	2.06	<1	17	118	155	6.01	1.81	10	1.49	256	5	3.36	18	770	30	15	<20	371	0.32	<10	124	<10	18	42

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zr
31	8R162521	<5	<0.2	7.96	45	910	<5	2.66	<1	16	109	116	5.71	2.47	20	1.56	379	4	3.10	22	1030	36	10	<20	580	0.38	<10	121	<10	19	71
32	8R162522	5	0.2	8.52	30	1120	<5	3.39	<1	13	131	51	4.28	2.61	20	1.54	406	10	3.44	18	700	38	10	<20	483	0.35	<10	106	<10	17	54
33	8R162523	<5	<0.2	9.74	20	450	<5	5.08	<1	31	248	62	7.56	1.66	10	2.79	980	5	2.77	66	760	38	15	<20	453	0.56	<10	266	<10	22	78
34	8R162524	10	<0.2	9.15	10	215	<5	6.26	<1	35	273	96	8.59	1.40	<10	3.03	1127	5	3.20	88	690	36	10	<20	401	0.56	<10	272	<10	24	97
35	8R162525	10	<0.2	6.45	70	1095	<5	0.80	<1	4	131	62	1.48	2.20	30	0.36	91	4	2.44	6	180	30	15	<20	104	0.06	<10	17	<10	19	38
QC DATA:																															
Repeat:																															
1	8R162491	<5	<0.2	7.80	40	1275	<5	1.00	<1	5	143	67	2.53	3.71	30	0.58	124	4	2.26	11	300	40	<5	<20	197	0.13	<10	27	<10	16	40
11	8R162501	5	<0.2	7.50	45	425	<5	2.66	<1	15	128	85	5.56	1.70	20	1.73	458	5	2.58	24	730	26	5	<20	298	0.43	<10	125	<10	16	59
19	8R162509	35	<0.2	6.72	225	895	<5	1.23	<1	4	146	61	1.99	2.33	30	0.35	110	4	3.00	6	180	28	10	<20	138	0.06	<10	9	<10	22	38
Resplit:																															
1	8R162491	5	<0.2	7.28	40	1210	<5	1.09	<1	6	131	53	2.40	3.25	30	0.57	134	5	2.19	12	310	42	5	<20	183	0.14	<10	25	<10	15	30
Standard:																															
Stsd3			0.6	5.84	25	1300	<5	2.53	<1	14	57	31	4.26	1.43	30	1.25	2382	9	1.16	33	1740	56	<5	<20	252	0.29	<10	116	<10	27	208
SE29		595																													

Au: 30g FA - AA Finish
ICP : Total Digest - ICP/AES Finish
Ag : Total Digest- AA Finish

JJ/ndw
df/8328s
XLS/07

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ov-08

Alex Stewart Geochemical
ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AW 2008-8366
Total Digest

Bushmaster Exploration
900 - 475 Howe Street
Vancouver, BC
V6C 2B3

No. of samples received: 35
Sample Type: Core
Project: Nucleus
Shipment #: 2008REV012F
Submitted by: Debbie James

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	8R162526	5	<0.2	6.77	20	985	<5	1.46	<1	6	163	30	2.00	2.75	30	0.71	148	6	2.31	10	290	40	<5	<20	150	0.11	<10	23	<10	15	14
2	8R162527	105	<0.2	7.50	95	750	<5	1.35	<1	13	136	66	3.78	2.07	30	1.22	175	4	2.48	12	710	36	5	<20	205	0.28	<10	68	<10	19	20
3	8R162528	20	<0.2	6.70	5	1235	<5	1.74	<1	6	138	41	1.98	2.90	30	0.52	146	3	2.22	8	360	42	<5	<20	162	0.12	<10	25	<10	15	13
4	8R162529	30	<0.2	8.31	15	740	<5	2.06	<1	13	127	103	4.96	2.12	20	1.74	204	4	2.48	19	880	38	<5	<20	281	0.35	<10	113	<10	15	28
5	8R162530	<5	<0.2	6.57	50	1370	<5	1.01	<1	2	147	16	0.97	2.78	30	0.34	71	4	2.27	6	180	40	<5	<20	143	0.05	<10	10	<10	12	10
6	8R162531	<5	<0.2	6.50	70	1450	<5	1.20	<1	2	134	18	0.89	3.00	30	0.31	77	3	2.32	5	160	40	<5	<20	194	0.05	<10	8	<10	11	12
7	8R162532	<5	<0.2	7.54	15	1150	<5	2.06	<1	7	123	36	3.00	2.66	20	1.38	148	5	1.90	13	550	44	<5	<20	292	0.26	<10	67	<10	15	22
8	8R162533	<5	<0.2	7.47	30	940	<5	1.26	<1	8	138	66	3.15	2.39	20	0.94	139	3	2.65	10	520	26	<5	<20	223	0.28	<10	67	<10	25	15
9	8R162534	<5	<0.2	7.51	<5	900	<5	1.22	<1	10	110	97	3.43	2.39	20	1.01	139	4	2.68	11	490	32	<5	<20	239	0.26	<10	74	<10	23	17
10	8R162535	5	<0.2	8.56	<5	395	<5	3.59	<1	20	95	175	7.56	1.91	20	2.45	576	10	2.64	20	1070	34	<5	<20	302	0.57	<10	234	<10	25	55
11	8R162536	5	<0.2	7.53	<5	395	<5	1.66	<1	8	114	57	3.25	1.29	30	0.77	152	4	2.97	7	380	28	<5	<20	221	0.27	<10	50	<10	29	13
12	8R162537	10	<0.2	7.16	<5	665	<5	1.11	<1	10	118	102	3.26	1.84	20	0.66	121	3	2.86	9	390	28	<5	<20	258	0.22	<10	50	<10	24	13
13	8R162538	10	<0.2	7.27	<5	920	<5	1.01	<1	6	119	63	2.46	2.48	20	0.59	111	3	2.72	8	390	28	<5	<20	261	0.20	<10	40	<10	21	11
14	8R162539	15	0.8	7.23	<5	525	<5	1.01	<1	8	136	92	3.07	1.62	20	0.85	123	3	3.09	10	470	28	<5	<20	186	0.25	<10	45	<10	25	13
15	8R162540	795	<0.2	4.32	875	110	330	>10	5	40	71	239	>10	0.53	20	1.60	2594	30	0.52	66	910	28	20	<20	118	0.45	<10	75	<10	16	121
16	8R162541	<5	<0.2	7.10	5	505	<5	1.13	<1	6	118	59	2.43	1.65	20	0.72	116	4	3.14	9	450	28	5	<20	185	0.24	<10	42	<10	26	15
17	8R162542	<5	<0.2	7.35	10	520	<5	1.20	<1	6	145	46	2.58	1.88	20	0.85	131	3	3.20	9	470	28	<5	<20	194	0.27	<10	43	<10	25	14
18	8R162543	<5	<0.2	7.64	10	515	10	1.10	<1	8	131	104	2.91	2.04	20	0.71	106	4	3.26	12	450	30	<5	<20	218	0.24	<10	60	<10	23	14
19	8R162544	780	13.7	6.78	235	575	20	0.50	<1	7	110	372	8.68	1.92	20	0.54	99	12	0.68	23	540	30	15	<20	102	0.18	<10	92	<10	11	31
20	8R162545	175	2.4	6.52	200	560	<5	0.27	<1	4	90	697	>10	2.76	<10	0.29	20	4	1.86	22	400	28	5	<20	116	0.12	<10	66	<10	11	33
21	8R162546	45	1.4	8.10	55	305	<5	0.56	<1	3	63	415	5.54	2.28	20	1.32	64	4	1.81	11	520	30	<5	<20	174	0.26	<10	112	<10	5	18
22	8R162547	80	1.8	8.09	60	335	<5	0.47	<1	20	52	626	7.69	1.78	<10	1.40	240	5	0.76	22	550	30	15	<20	65	0.28	<10	140	<10	14	55
23	8R162548	45	1.0	8.60	60	955	<5	0.62	<1	19	72	1389	8.66	2.69	10	1.68	291	6	0.77	28	690	30	20	<20	88	0.30	<10	182	10	14	44
24	8R16259	100	0.8	8.14	190	280	<5	0.46	<1	18	35	2962	6.44	2.43	<10	1.34	90	4	1.02	16	600	32	10	<20	102	0.25	<10	118	<10	5	22
25	8R162550	820	0.2	7.42	10	245	5	1.36	<1	32	76	1313	>10	1.71	<10	1.66	163	7	2.13	27	590	32	5	<20	173	0.28	<10	166	<10	12	27
26	8R162551	720	1.2	1.87	<5	25	10	0.18	<1	93	130	4157	>10	0.31	<10	1.50	81	2	0.14	47	470	20	10	<20	<1	0.04	<10	51	<10	2	24
27	8R162552	250	<0.2	7.62	5	375	5	1.01	<1	13	72	589	6.14	1.76	<10	1.43	112	3	2.51	14	450	28	<5	<20	170	0.23	<10	117	<10	11	19
28	8R162553	475	<0.2	7.88	5	295	5	0.79	<1	13	75	502	6.29	2.18	<10	1.98	126	3	2.58	13	640	26	<5	<20	156	0.30	<10	125	<10	11	25
29	8R162554	20	<0.2	7.05	10	640	<5	0.51	<1	15	103	369	5.45	2.06	10	1.59	132	4	1.97	15	630	24	5	<20	110	0.28	<10	106	<10	13	24
30	8R162555	90	2.4	4.14	<5	30	<5	0.53	<1	145	154	5232	>10	0.54	10	0.55	189	3	0.80	46	920	24	10	<20	54	0.10	<10	56	<10	14	31

Alex Stewart Geochemical
ECO TECH LABORATORY LTD.

ICP CERTIFICATE OF ANALYSIS AW 2008-8366

Bushmaster Exploration

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zr
31	8R162556	<5	<0.2	7.10	10	1045	<5	1.01	<1	4	107	15	1.79	3.24	40	0.41	313	5	2.28	9	500	34	<5	<20	277	0.23	<10	35	<10	16	3(
32	8R162557	105	1.6	5.08	<5	130	<5	0.34	<1	56	105	2267	>10	2.03	20	0.78	209	4	0.84	26	780	26	10	<20	57	0.11	<10	80	<10	16	4(
33	8R162558	150	0.8	6.69	15	420	<5	0.52	<1	31	120	1332	8.03	2.74	20	1.20	102	3	1.47	18	1320	28	5	<20	135	0.15	<10	100	<10	15	2(
34	8R162559	40	<0.2	6.52	120	750	<5	0.20	<1	16	128	605	2.75	1.89	20	0.46	158	5	0.29	16	320	28	40	<20	42	0.13	<10	68	<10	18	1(
35	8R162560	195	<0.2	7.59	5	375	5	0.82	<1	13	82	518	6.17	1.73	<10	1.42	126	3	2.48	15	460	26	<5	<20	166	0.24	<10	121	<10	12	2(
QC DATA:																															
Repeat:																															
1	8R162526	<5	<0.2	6.95	25	980	<5	1.37	<1	4	156	33	1.83	2.84	30	0.71	133	5	2.27	9	250	34	5	<20	150	0.09	<10	25	<10	15	1(
10	8R162535	5	<0.2	8.67	5	405	<5	3.69	<1	20	92	173	7.69	1.95	20	2.48	588	10	2.61	21	1100	34	<5	<20	312	0.58	<10	246	<10	26	5(
19	8R162544	840	14.1	6.85	225	575	20	0.49	<1	7	108	379	8.34	1.90	20	0.54	100	11	0.69	22	520	32	15	<20	103	0.17	<10	92	<10	11	31
25	8R162550	770																													
26	8R162551	670																													
28	8R162553	510																													
Resplit:																															
1	8R162526	5	<0.2	6.77	25	960	<5	1.35	<1	6	152	33	2.01	2.77	30	0.72	149	5	2.43	11	260	38	<5	<20	150	0.10	<10	28	<10	13	14
Standard:																															
Stsd3			0.4	5.72	25	1260	<5	2.46	<1	14	55	39	4.14	1.37	30	1.31	2511	8	1.20	31	1710	58	5	<20	279	0.29	<10	106	<10	26	195
SF30		830																													

Au: 30g FA - AA Finish
ICP : Total Digest - ICP/AES Finish
Ag : Total Digest- AA Finish

JJ/ap/ndw
df/8366s
XLS/08

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Eco Tech LABORATORY LTD.

ASSAYING, GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING
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10041 Dallas Drive, Kamloops, BC V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
E-mail: info@ecotechlab.com
www.ecotechlab.com

CERTIFICATE OF ASSAY AW 2008-8250

Bushmaster Exploration
420 - 475 Howe Street
Vancouver, BC
V6C 2B3

9-Sep-08

No. of samples received: 50
Sample Type: Core
Project: Nucleus
Shipment #:2008REV0013A
Submitted by: Debbie James

ET #.	Tag #	Au (g/t)	Au (oz/t)
44	8R161394	2.03	0.059
50	8R161400	1.39	0.041

QC DATA:

Standard:

Oxi67	1.83	0.053

JJ/ap
XLS/08

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ECO TEC...LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AW 2008-8250
Total Digest

Bushmaster Exploration
420 - 475 Howe Street
Vancouver, BC
V6C 2B3

No. of samples received: 50
Sample Type: Core
Project: Nucleus
Shipment #:2008REV0013A
Submitted by: Debbie James

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zr
1	8R161351	105	0.6	7.30	90	1195	<5	0.31	<1	1	114	160	2.61	3.35	20	0.36	42	4	2.22	6	370	42	10	<20	227	0.10	<10	46	<10	5	18
2	8R161352	35	<0.2	7.53	30	1410	10	0.37	<1	3	110	181	3.55	3.05	20	0.70	68	4	2.60	8	400	30	<5	<20	271	0.14	<10	59	<10	9	33
3	8R161353	30	<0.2	7.22	50	1260	<5	0.28	<1	3	117	160	3.37	3.15	10	0.60	49	2	1.90	7	650	32	5	<20	466	0.13	<10	62	<10	9	17
4	8R161354	130	<0.2	6.87	70	890	10	0.20	<1	1	126	163	3.62	2.67	10	0.46	47	2	2.49	6	450	36	10	<20	265	0.10	<10	52	<10	8	22
5	8R161355	90	<0.2	6.26	35	735	15	0.17	<1	<1	123	106	2.43	2.52	20	0.47	36	2	2.10	5	300	32	10	<20	159	0.10	<10	36	<10	8	23
6	8R161356	35	0.4	6.69	35	945	<5	0.23	<1	3	142	121	2.76	2.75	10	0.59	55	2	2.77	6	320	34	<5	<20	232	0.13	<10	38	<10	8	58
7	8R161357	10	<0.2	6.94	85	1195	<5	0.32	<1	5	127	168	3.29	2.98	10	0.54	58	3	2.50	7	390	36	5	<20	299	0.19	<10	40	<10	9	48
8	8R161358	20	<0.2	7.11	35	1070	<5	0.33	<1	3	110	183	3.25	3.11	20	0.72	68	3	2.68	7	350	32	<5	<20	238	0.18	<10	49	<10	12	43
9	8R161359	125	1.0	7.84	200	960	20	0.10	<1	2	110	229	7.38	3.77	30	0.51	33	3	1.16	11	890	102	15	<20	145	0.12	<10	54	<10	7	212
10	8R161360	55	<0.2	8.14	15	1050	<5	0.55	<1	7	93	232	4.91	3.59	30	1.14	74	3	2.62	10	760	44	10	<20	342	0.28	<10	65	<10	11	90
11	8R161361	50	0.2	8.06	10	975	<5	0.50	1	15	88	152	4.79	3.45	70	1.45	132	3	2.59	14	720	42	<5	<20	314	0.24	<10	65	<10	22	77
12	8R161362	80	<0.2	8.15	15	630	<5	0.61	<1	10	135	160	4.30	2.86	30	1.52	83	3	2.78	16	680	40	<5	<20	356	0.26	<10	70	<10	26	70
13	8R161363	40	<0.2	8.00	10	1075	<5	0.35	<1	5	104	243	2.20	3.86	60	1.27	55	2	2.07	9	440	30	<5	<20	334	0.16	<10	55	<10	21	17
14	8R161364	135	<0.2	7.78	10	1070	15	0.42	<1	12	109	217	3.60	3.90	50	1.42	139	3	1.92	13	590	40	<5	<20	328	0.19	<10	53	<10	27	43
15	8R161365	595	<0.2	7.56	20	865	5	0.69	<1	11	111	267	3.64	3.27	30	1.18	141	4	2.46	15	760	40	10	<20	274	0.20	<10	48	<10	17	48
16	8R161366	35	<0.2	7.85	10	560	<5	0.31	<1	8	153	157	4.17	3.04	50	1.70	137	4	1.88	12	510	30	10	<20	145	0.21	<10	81	<10	26	60
17	8R161367	40	<0.2	8.11	60	585	<5	0.44	<1	25	91	152	7.79	2.77	50	1.24	321	5	1.11	25	880	54	25	<20	109	0.38	<10	79	<10	29	156
18	8R161368	30	<0.2	8.46	15	240	<5	1.95	<1	22	115	212	5.52	2.07	40	1.63	500	5	3.55	23	1120	46	10	20	372	0.47	<10	84	<10	28	57
19	8R161369	330	0.4	8.61	15	510	25	1.29	<1	19	157	277	5.68	3.71	40	2.44	329	4	2.56	41	890	42	10	<20	336	0.38	<10	128	<10	26	40
20	8R161370	850	1.7	8.05	5	670	<5	1.53	<1	14	32	7471	5.02	2.61	20	1.20	368	5	2.44	30	1000	40	<5	<20	441	0.28	<10	112	<10	14	70
21	8R161371	55	0.6	8.40	15	1295	45	0.50	<1	10	107	249	2.97	4.18	30	1.30	170	3	2.52	13	620	34	5	<20	287	0.23	<10	64	<10	22	26
22	8R161372	60	<0.2	8.64	25	400	<5	1.06	<1	23	145	282	8.50	2.89	40	2.30	357	5	3.21	36	1110	44	15	20	319	0.47	<10	138	<10	24	102
23	8R161373	175	<0.2	8.12	45	495	15	0.42	<1	11	95	128	4.75	3.14	60	1.72	240	4	1.64	18	760	36	15	<20	116	0.26	<10	78	<10	24	34
24	8R161374	25	<0.2	8.17	5	1540	<5	0.46	<1	8	110	201	3.05	3.90	40	1.43	93	2	2.05	9	540	24	<5	<20	426	0.16	<10	75	<10	15	9
25	8R161375	60	0.4	7.28	10	1265	<5	0.64	<1	17	129	203	4.90	3.56	30	0.91	343	5	2.85	19	610	48	5	<20	253	0.22	<10	47	<10	16	34
26	8R161376	230	0.4	8.08	<5	950	<5	1.04	<1	24	97	408	8.03	3.74	40	1.79	193	4	1.91	18	2230	44	10	<20	450	0.30	<10	145	<10	21	40
27	8R161377	125	0.2	7.25	5	1990	<5	0.50	<1	12	122	223	4.19	3.69	20	0.57	127	3	2.14	11	790	44	5	<20	548	0.15	<10	50	<10	16	48
28	8R161378	30	<0.2	5.95	10	1295	<5	0.24	<1	<1	142	113	1.88	3.25	20	0.17	37	3	2.45	5	270	36	5	<20	212	0.07	<10	12	<10	6	11
29	8R161379	5	<0.2	7.14	10	1015	<5	1.05	<1	3	97	17	1.66	3.02	40	0.33	333	4	2.14	8	410	40	<5	<20	270	0.20	<10	28	<10	17	34
30	8R161380	155	0.4	7.41	35	2680	10	0.08	<1	<1	115	320	4.29	3.73	20	0.24	14	8	0.47	6	390	42	20	<20	177	0.12	<10	86	<10	5	6

ECO TECH LABORATORY LTD. ICP CERTIFICATE OF ANALYSIS AW 2008-8250 Bushmaster Exploration

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Z
31	8R161381	205	0.2	6.95	25	2755	<5	0.11	<1	<1	98	265	3.74	4.17	10	0.36	20	3	1.07	6	490	32	5	<20	205	0.09	<10	63	<10	7	1
32	8R161382	85	<0.2	7.49	45	2440	<5	0.12	<1	1	100	259	4.03	4.25	20	0.62	44	6	0.73	9	1030	46	15	<20	230	0.18	<10	60	<10	7	3
33	8R161383	100	<0.2	7.58	15	1695	<5	0.10	<1	<1	68	319	3.32	3.71	20	0.70	42	3	0.64	10	810	36	15	<20	155	0.09	<10	43	<10	7	1
34	8R161384	60	<0.2	7.67	25	1350	<5	0.10	<1	<1	73	248	3.49	3.42	20	0.45	24	3	0.49	11	860	32	20	<20	114	0.17	<10	60	40	6	
35	8R161385	570	0.4	7.82	75	1470	10	0.08	<1	<1	72	201	2.32	3.51	30	0.31	14	4	0.48	6	420	44	20	<20	110	0.15	<10	48	20	7	
36	8R161386	135	0.4	6.71	40	1610	<5	0.14	<1	<1	65	232	2.32	3.47	20	0.28	16	5	0.87	7	500	38	15	<20	159	0.15	<10	49	<10	8	<
37	8R161387	110	0.6	6.44	75	2715	<5	0.05	<1	<1	78	265	1.73	3.51	10	0.19	5	2	0.40	4	200	32	25	<20	114	0.09	<10	55	<10	4	<
38	8R161388	95	0.2	6.34	75	2400	<5	0.06	<1	<1	68	89	1.37	2.84	20	0.09	5	3	0.38	3	260	28	30	<20	86	0.07	<10	30	<10	5	
39	8R161389	370	<0.2	6.81	40	2560	10	0.07	<1	<1	86	337	3.78	3.84	20	0.23	10	10	0.44	6	340	36	20	<20	168	0.10	<10	96	<10	5	
40	8R161390	60	0.4	6.19	40	1560	<5	0.06	<1	<1	72	154	2.41	2.88	20	0.14	12	3	0.37	4	310	36	20	<20	86	0.07	<10	11	<10	6	1
41	8R161391	75	0.4	5.81	90	1335	<5	0.06	<1	<1	82	74	1.53	2.54	20	0.07	13	4	0.34	5	310	44	30	<20	60	0.06	<10	13	<10	5	<
42	8R161392	95	0.2	6.13	15	1685	<5	0.08	<1	<1	73	56	1.01	2.85	20	0.06	11	4	0.36	3	190	34	20	<20	98	0.06	<10	9	<10	5	
43	8R161393	645	0.2	6.10	80	1500	10	0.07	<1	<1	73	39	1.27	3.31	20	0.08	5	4	0.38	3	210	28	25	<20	87	0.05	<10	8	<10	5	<
44	8R161394	>1000	1.8	6.43	350	1310	20	0.07	<1	<1	79	73	1.41	3.61	20	0.10	5	3	0.40	5	350	52	25	<20	99	0.07	<10	36	<10	4	<
45	8R161395	945	1.2	6.17	150	2685	20	0.08	<1	<1	76	73	1.51	4.09	10	0.09	16	4	0.39	4	400	74	35	<20	197	0.07	<10	28	<10	3	<
46	8R161396	620	1.2	5.90	100	1500	5	0.06	<1	<1	82	52	1.15	2.57	20	0.10	12	4	0.34	4	200	28	50	<20	86	0.05	<10	27	<10	4	<1
47	8R161397	675	1.2	5.85	110	1395	15	0.06	<1	<1	80	68	1.37	4.06	20	0.15	10	5	0.38	4	240	56	40	<20	150	0.05	<10	40	<10	3	<1
48	8R161398	880	1.0	4.59	1320	660	45	0.06	4	<1	76	85	1.33	2.37	10	0.14	7	2	0.28	10	150	46	80	<20	99	0.05	<10	28	<10	3	<1
49	8R161399	50	0.2	5.37	110	1025	<5	0.04	<1	<1	70	45	0.67	3.25	20	0.06	6	2	0.33	3	130	24	35	<20	64	0.01	<10	5	<10	2	<1
50	8R161400	>1000	0.2	6.60	1090	550	55	>10	5	64	38	112	7.07	1.10	30	1.80	2665	9	1.43	42	940	28	5	<20	407	0.27	<10	103	<10	18	10

QC DATA:

Repeat:

1	8R161351	80	0.4	7.22	90	1170	<5	0.33	<1	1	105	155	2.60	3.27	20	0.36	39	3	2.14	6	370	42	10	<20	223	0.10	<10	46	<10	6	19
10	8R161360	50	<0.2	8.40	15	1100	<5	0.59	<1	7	93	233	4.76	3.77	30	1.19	65	4	2.80	9	730	42	5	<20	355	0.25	<10	69	<10	11	81
14	8R161364	145																													
19	8R161369	270	0.2	8.49	10	515	25	1.27	<1	17	160	271	5.51	3.62	40	2.42	325	3	2.69	38	880	40	5	<20	339	0.38	<10	127	<10	25	40
35	8R161385	615																													
36	8R161386	105	0.4	6.82	40	1585	<5	0.15	<1	<1	64	229	2.47	3.50	20	0.29	15	5	0.85	7	520	34	20	<20	153	0.16	<10	47	<10	7	2
45	8R161395	990	1.4	6.48	140	2800	20	0.08	<1	<1	80	75	1.39	4.13	10	0.10	14	3	0.42	4	380	66	30	<20	205	0.05	<10	29	<10	4	<1
46	8R161396	610																													
47	8R161397	725																													
49	8R161399	50																													

Resplit:

1	8R161351	90	0.7	6.82	105	1075	<5	0.34	<1	2	107	163	2.80	3.16	10	0.33	45	5	2.14	7	410	40	15	<20	208	0.10	<10	49	<10	4	16
36	8R161386	155	0.2	6.41	45	1530	<5	0.13	<1	<1	61	226	2.21	3.44	10	0.26	17	5	0.81	7	470	34	15	<20	142	0.15	<10	49	<10	7	<1

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Z
Standard:																															
Stsd3			0.4	5.69	30	1355	<5	2.46	<1	15	59	28	4.22	1.42	30	1.21	2512	7	1.10	33	1710	52	<5	<20	252	0.31	<10	107	<10	29	19
Stsd3			0.4	5.71	25	1350	<5	2.41	<1	14	59	29	4.32	1.37	30	1.21	2573	7	1.18	33	1690	50	<5	<20	248	0.32	<10	112	<10	29	19
Se29		595																													
Se29		590																													

Au: 30g FA - AA Finish
ICP : Total Digest - ICP/AES Finish
Ag : Total Digest- AA Finish

JJ/ap/nw
df/td8250s
XLS/07

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www.ecotechlab.com

CERTIFICATE OF ASSAY AW 2008-8251

Bushmaster Exploration
420 - 475 Howe Street
Vancouver, BC
V6C 2B3

12-Sep-08

No. of samples received: 35
Sample Type: Core
Project: Nucleus
Shipment #:2008REV013B
Submitted by: Debbie James

ET #.	Tag #	Au (g/t)	Au (oz/t)
19	8R161419	2.83	0.083
QC DATA:			
Repeat:			
19	8R161419	2.97	0.087
Standard:			
OXI67		1.83	0.053

JJ/nw
XLS/08

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AW 2008- 8251
Total Digest

Bushmaster Exploration
420 - 475 Howe Street
Vancouver, BC
V6C 2B3

No. of samples received: 35
Sample Type: Core
Project: Nucleus
Shipment #:2008REV013B
Submitted by: Debbie James

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	8R161401	60	<0.2	6.83	115	1290	<5	0.06	<1	<1	137	44	0.86	3.08	30	0.05	19	4	0.38	5	150	42	30	<20	76	0.02	<10	6	<10	3	<1
2	8R161402	35	<0.2	7.16	75	1345	<5	0.06	<1	<1	95	25	0.80	2.89	30	0.06	19	3	0.40	4	130	44	25	<20	76	0.02	<10	5	<10	4	<1
3	8R161403	55	0.2	6.55	160	1235	<5	0.06	<1	<1	109	86	1.41	2.63	30	0.06	21	5	0.36	5	160	42	30	<20	77	0.02	<10	8	<10	3	<1
4	8R161404	45	0.6	6.61	165	1755	<5	0.06	<1	<1	131	44	1.64	2.61	20	0.08	13	4	0.40	6	160	40	30	<20	182	0.02	<10	13	<10	3	<1
5	8R161405	60	0.8	7.10	115	1345	<5	0.06	<1	3	106	206	5.05	2.48	20	0.12	79	5	0.43	9	500	36	20	<20	126	0.03	<10	27	<10	5	29
6	8R161406	75	3.2	8.19	70	1270	15	0.07	<1	6	148	256	8.51	3.21	20	0.21	280	4	0.62	15	620	46	20	<20	134	0.11	<10	161	<10	9	57
7	8R161407	105	1.4	5.72	140	850	10	0.06	<1	<1	100	50	3.71	2.79	20	0.15	22	5	0.36	7	360	76	45	<20	134	0.10	<10	77	<10	4	4
8	8R161408	395	0.4	6.91	145	1185	<5	0.07	<1	<1	165	72	1.67	3.16	30	0.19	19	4	0.39	7	280	40	50	<20	125	0.12	<10	101	<10	6	2
9	8R161409	135	0.4	7.92	65	2435	<5	0.08	<1	<1	85	141	2.47	2.79	20	0.11	12	5	0.46	5	580	42	20	<20	431	0.10	<10	63	<10	4	<1
10	8R161410	795	1.3	4.17	930	130	340	>10	2	44	75	236	>10	0.40	20	1.64	2618	30	0.46	72	860	26	15	180	143	0.48	<10	77	<10	16	143
11	8R161411	415	0.2	7.43	110	2445	<5	0.13	<1	<1	117	163	2.84	2.73	30	0.16	18	7	0.41	8	550	46	30	<20	98	0.18	<10	47	<10	4	6
12	8R161412	80	<0.2	7.50	50	1705	<5	0.07	<1	<1	102	22	0.86	2.56	30	0.07	21	6	0.43	3	170	46	20	<20	68	0.03	<10	4	<10	4	<1
13	8R161413	125	<0.2	7.49	170	1440	<5	0.07	<1	<1	113	39	1.17	2.50	30	0.06	25	4	0.44	5	180	54	20	<20	71	0.03	<10	4	<10	5	<1
14	8R161414	85	<0.2	7.43	140	1475	<5	0.07	<1	<1	126	27	0.80	2.37	30	0.05	18	6	0.43	5	140	48	25	<20	75	0.03	<10	4	<10	5	<1
15	8R161415	50	<0.2	7.36	190	1705	<5	0.08	<1	<1	103	32	0.66	2.69	30	0.09	21	4	0.42	4	150	34	20	<20	68	0.02	<10	6	<10	6	<1
16	8R161416	120	<0.2	7.20	310	1505	<5	0.07	<1	<1	126	32	0.83	3.12	30	0.06	22	7	0.41	7	170	48	25	<20	74	0.03	<10	4	<10	5	<1
17	8R161417	290	1.4	6.70	705	1530	<5	0.07	2	<1	134	40	0.82	3.34	30	0.08	28	4	0.39	8	130	38	20	<20	61	0.02	<10	5	<10	4	<1
18	8R161418	670	0.4	6.99	1765	1720	<5	0.08	5	<1	117	66	0.99	3.29	30	0.05	49	6	0.41	15	140	46	15	<20	78	0.02	<10	1	<10	4	<1
19	8R161419	>1000	0.4	6.90	315	1355	<5	0.11	<1	<1	105	40	0.76	3.23	30	0.10	30	5	0.40	7	150	42	20	<20	67	0.03	<10	3	<10	5	<1
20	8R161420	830	1.7	8.01	<5	640	<5	1.40	<1	14	30	7490	4.78	2.53	20	1.23	368	3	2.56	28	1060	34	<5	<20	451	0.21	<10	109	<10	13	71
21	8R161421	185	<0.2	7.26	175	1410	<5	0.11	<1	<1	118	49	0.86	3.07	30	0.06	26	7	0.43	7	200	54	25	<20	83	0.03	<10	2	<10	5	<1
22	8R161422	50	<0.2	7.44	90	1465	<5	0.11	<1	<1	103	47	0.71	3.17	30	0.07	32	5	0.43	5	180	56	20	<20	77	0.03	<10	4	<10	5	<1
23	8R161423	210	0.6	7.05	105	1405	<5	0.08	<1	<1	139	53	0.91	3.68	20	0.07	40	5	0.42	5	130	44	20	<20	74	0.02	<10	2	<10	4	<1
24	8R161424	20	<0.2	7.48	95	1475	<5	0.09	<1	<1	132	46	0.71	3.43	30	0.06	23	4	0.44	5	160	48	20	<20	93	0.02	<10	4	<10	4	<1
25	8R161425	5	<0.2	7.08	15	1015	<5	1.00	<1	4	92	19	2.03	2.47	40	0.35	323	7	2.18	10	420	42	5	<20	262	0.20	<10	32	<10	18	36
26	8R161426	85	0.6	7.44	655	1515	<5	0.08	2	1	137	147	1.05	3.40	30	0.06	48	4	0.43	8	130	42	20	<20	90	0.02	<10	4	<10	5	<1
27	8R161427	105	<0.2	7.00	260	1315	<5	0.09	<1	<1	111	64	0.85	3.39	20	0.08	19	5	0.42	6	150	42	15	<20	81	0.02	<10	3	<10	5	<1
28	8R161428	105	0.4	6.99	80	1205	<5	0.09	<1	<1	114	47	0.59	3.25	30	0.09	20	3	0.41	4	120	40	15	<20	69	0.02	<10	3	<10	5	<1
29	8R161429	145	0.2	7.06	70	1250	<5	0.09	<1	<1	124	54	0.78	3.50	20	0.11	27	6	0.41	5	140	44	15	<20	64	0.02	<10	3	<10	5	<1
30	8R161430	45	0.8	7.03	150	1205	<5	0.10	<1	<1	157	42	0.78	3.05	30	0.09	28	4	0.41	6	160	48	20	<20	68	0.02	<10	3	<10	5	<1

ECO TECH LABORATORY LTD. ICP CERTIFICATE OF ANALYSIS AW 2008- 8251 Bushmaster Exploration

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	8R161431	20	<0.2	6.94	110	1360	<5	0.08	<1	<1	105	46	0.74	3.15	30	0.10	21	5	0.41	4	150	42	10	<20	72	0.02	<10	6	<10	5	<1
32	8R161432	40	<0.2	6.93	195	1235	<5	0.08	<1	<1	124	56	0.77	3.00	30	0.09	17	3	0.43	5	140	38	15	<20	74	0.02	<10	3	<10	5	<1
33	8R161433	55	<0.2	7.10	220	1220	<5	0.08	<1	<1	100	69	0.99	2.97	30	0.09	16	5	0.45	6	170	38	15	<20	75	0.02	<10	5	<10	5	<1
34	8R161434	25	<0.2	7.21	55	1165	<5	0.08	<1	<1	103	51	0.61	2.84	30	0.10	19	4	0.47	5	150	40	10	<20	76	0.02	<10	4	<10	5	<1
35	8R161435	40	0.4	7.33	80	1240	<5	0.09	<1	<1	112	51	0.68	2.46	30	0.10	18	6	0.51	5	160	46	10	<20	80	0.02	<10	4	<10	6	<1
QC DATA:																															
Repeat:																															
1	8R161401	55	<0.2	6.80	115	1250	<5	0.06	<1	<1	145	42	0.88	2.97	30	0.05	20	4	0.39	5	160	42	30	<20	72	0.02	<10	8	<10	3	<1
8	8R161408	350																													
18	8R161418	710																													
19	8R161419	>1000	<0.2	7.03	295	1380	<5	0.10	<1	<1	107	41	0.71	3.35	30	0.10	28	3	0.41	5	140	38	15	<20	67	0.02	<10	4	<10	5	<1
Resplit:																															
1	8R161401	65	<0.2	6.90	125	1255	<5	0.07	<1	<1	129	44	0.90	3.05	30	0.05	17	5	0.41	5	180	44	35	<20	73	0.02	<10	8	<10	3	<1
Standard:																															
Stsd3			0.4	5.76	25	1355	<5	2.44	<1	13	55	29	4.00	1.46	30	1.29	2499	6	1.13	30	1680	60	5	<20	241	0.32	<10	116	<10	29	210
Se29		595																													

Au: 30g FA - AA Finish
ICP : Total Digest - ICP/AES Finish
Ag : Total Digest- AA Finish

JJ/nw
df/td8250s
XLS/07

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www.ecotechlab.com

CERTIFICATE OF ASSAY AW 2008-8252

Bushmaster Exploration
900 - 475 Howe Street
Vancouver, BC
V6C 2B3

12-Sep-08

No. of samples received: 35
Sample Type: Core
Project: Nucleus
Shipment #:2008REV0013C
Submitted by: Debbie James

ET #.	Tag #	Au (g/t)	Au (oz/t)
3	8R161438	1.31	0.038
4	8R161439	1.03	0.030
12	8R161447	1.66	0.048
QC DATA:			
Standard:			
Oxi67		1.80	0.052
Oxi67		1.83	0.053

JJ/nw
XLS/08

ECO TECH LABORATORY LTD.
Jutta Jealouse
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p-08
ECO TECH LABORATORY LTD.
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KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AW 2008-8252
Total Digest

Bushmaster Exploration
900 - 475 Howe Street
Vancouver, BC
V6C 2B3

No. of samples received: 35
Sample Type: Core
Project: Nucleus
Shipment #:2008REV0013C
Submitted by: Debbie James

Values in ppm unless otherwise reported

Et #.	Tag #	Au ppb	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	8R161436	125	0.2	7.08	175	1220	<5	0.05	<1	<1	111	57	0.93	3.80	30	0.10	30	4	0.41	6	160	48	20	<20	80	0.03	<10	3	<10	5	12
2	8R161437	200	0.6	6.87	280	1065	<5	0.06	1	<1	82	51	1.09	3.54	30	0.13	23	2	0.38	7	160	44	20	<20	90	0.02	<10	4	<10	5	13
3	8R161438	>1000	1.4	5.41	6600	285	10	0.09	27	<1	93	288	5.09	2.40	20	0.21	91	4	0.31	42	190	286	70	<20	98	0.03	<10	18	<10	6	106
4	8R161439	>1000	2.0	4.77	>10000	325	10	0.08	62	1	88	618	4.17	2.21	10	0.13	60	3	0.27	77	370	358	80	20	105	0.06	<10	33	<10	5	39
5	8R161440	150	0.2	6.46	115	1220	<5	1.26	<1	2	130	60	2.21	3.29	30	0.59	149	6	1.93	6	210	36	15	<20	171	0.10	<10	6	<10	28	17
6	8R161441	290	0.6	7.29	965	890	30	0.09	4	<1	110	114	2.60	3.23	20	0.29	37	4	0.40	13	330	126	35	20	109	0.11	<10	45	<10	6	49
7	8R161442	225	0.2	8.95	240	820	<5	0.11	<1	<1	86	218	2.18	2.46	40	0.19	17	5	0.45	16	690	50	30	<20	144	0.20	<10	56	<10	11	21
8	8R161443	65	0.4	7.55	170	735	<5	0.08	<1	<1	78	204	1.28	1.89	30	0.14	15	3	0.38	11	350	44	40	<20	72	0.15	<10	30	<10	13	19
9	8R161444	90	0.4	7.71	180	1400	30	0.10	<1	<1	102	166	1.99	3.02	30	0.28	41	7	0.43	10	400	68	30	<20	82	0.15	<10	23	<10	17	23
10	8R161445	95	0.2	7.90	50	1515	<5	0.16	<1	<1	96	362	4.12	3.28	20	0.41	53	5	0.80	7	610	48	30	<20	102	0.14	<10	30	<10	12	34
11	8R161446	85	0.4	7.17	25	1685	<5	0.41	<1	6	127	87	2.17	3.27	20	0.37	239	2	2.67	8	280	42	10	<20	368	0.06	<10	13	<10	16	80
12	8R161447	>1000	0.4	8.95	20	520	10	2.56	<1	35	108	197	>10	2.65	20	2.69	1288	3	2.15	28	1300	44	10	<20	360	0.53	<10	167	<10	37	285
13	8R161448	125	<0.2	7.06	110	1475	<5	0.25	<1	3	113	46	1.69	3.93	30	0.24	92	3	2.12	6	180	52	15	<20	129	0.03	<10	7	<10	9	51
14	8R161449	230	0.2	7.83	105	1830	5	0.80	<1	10	122	173	4.50	3.66	20	1.07	297	4	1.81	22	1210	44	25	<20	554	0.20	<10	80	<10	15	52
15	8R161450	625	1.2	7.62	15	670	<5	2.01	<1	15	30	5536	5.60	3.42	20	1.39	424	3	2.49	21	1140	40	<5	<20	506	0.27	<10	128	<10	14	61
16	8R161451	20	<0.2	7.86	45	1795	<5	1.13	<1	4	119	72	2.34	4.06	20	0.70	168	3	1.65	13	590	44	20	<20	378	0.12	<10	53	<10	15	29
17	8R161452	20	<0.2	7.28	50	1180	<5	0.48	<1	3	101	60	2.97	3.14	30	0.82	221	6	1.40	10	470	44	20	<20	139	0.13	<10	50	<10	25	31
18	8R161453	75	0.2	7.73	35	1625	<5	1.66	<1	7	151	102	3.74	3.22	20	1.12	269	3	2.06	21	1110	38	10	<20	691	0.20	<10	75	<10	14	31
19	8R161454	120	<0.2	6.16	100	1175	<5	1.02	<1	2	119	61	2.66	3.21	30	0.54	147	8	2.05	6	190	38	20	<20	158	0.10	<10	5	<10	26	19
20	8R161455	35	<0.2	6.19	50	1705	<5	0.73	<1	2	133	60	1.73	3.65	20	0.46	104	2	1.91	6	270	32	10	<20	200	0.07	<10	13	<10	21	15
21	8R161456	110	<0.2	7.54	40	565	5	3.00	<1	19	128	220	7.41	2.65	20	1.88	571	3	2.18	27	860	38	15	<20	368	0.45	<10	146	<10	23	53
22	8R161457	850	<0.2	8.18	105	1185	10	1.37	<1	11	130	288	4.92	3.19	20	1.34	325	5	2.58	17	840	46	20	<20	434	0.28	<10	89	<10	17	45
23	8R161458	165	<0.2	7.92	65	1085	5	1.25	<1	9	140	113	4.16	3.06	20	1.28	319	4	2.93	15	690	42	10	<20	446	0.25	<10	87	<10	19	32
24	8R161459	5	<0.2	7.53	10	990	<5	0.97	<1	2	95	17	1.71	2.38	40	0.38	337	2	2.21	7	430	34	<5	<20	246	0.20	<10	37	<10	15	42
25	8R161460	30	0.2	6.57	65	1340	5	1.20	<1	7	120	119	2.94	3.55	20	0.52	205	4	2.39	11	420	42	10	<20	303	0.13	<10	45	<10	15	26
26	8R161461	65	0.2	7.33	45	575	<5	3.16	<1	15	142	221	6.02	2.40	20	1.55	289	3	2.43	17	1160	44	10	<20	379	0.28	<10	104	<10	15	46
27	8R161462	35	<0.2	7.93	155	440	<5	4.49	<1	19	151	146	6.94	2.58	30	2.35	421	6	0.98	35	790	38	20	<20	171	0.50	<10	140	<10	24	44
28	8R161463	45	<0.2	8.07	20	1095	<5	2.64	<1	14	165	100	5.37	3.84	30	2.09	264	5	1.70	34	980	42	10	<20	275	0.40	<10	104	<10	17	29
29	8R161464	230	<0.2	8.84	30	900	5	3.53	<1	20	146	157	6.77	3.20	30	2.37	379	6	2.84	35	1060	48	5	<20	437	0.55	<10	110	<10	19	43
30	8R161465	35	<0.2	8.01	140	280	<5	3.77	<1	18	174	148	5.91	1.93	30	2.28	405	4	2.23	43	720	36	20	<20	280	0.48	<10	131	<10	21	38

ECO TECH LABORATORY LTD. ICP CERTIFICATE OF ANALYSIS AW 2008-8252 Bushmaster Exploration

Et #.	Tag #	Au ppb	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Z
31	8R161466	55	<0.2	7.21	100	2250	<5	0.58	<1	8	130	207	2.87	4.00	30	0.55	103	5	2.21	9	230	42	25	<20	191	0.07	<10	31	<10	7	1
32	8R161467	330	0.2	8.83	255	590	<5	0.71	1	25	91	314	6.86	3.55	40	1.27	317	5	0.58	22	760	42	40	<20	130	0.29	<10	109	<10	18	6
33	8R161468	50	0.4	7.75	50	80	5	1.09	<1	54	156	854	>10	3.15	10	2.80	386	4	1.43	57	890	38	25	20	205	0.60	<10	256	<10	16	6
34	8R161469	35	0.2	8.69	535	435	<5	0.56	3	20	100	151	5.55	3.40	40	0.82	195	6	0.52	18	850	42	80	<20	133	0.31	<10	63	<10	18	7
35	8R161470	805	1.4	4.06	820	120	425	>10	2	41	74	258	>10	0.49	20	1.46	2509	34	0.48	69	890	30	10	<20	134	0.46	<10	74	10	16	12
QC DATA:																															
Repeat:																															
1	8R161436	130	0.2	7.07	160	1230	<5	0.05	<1	<1	93	57	0.87	3.85	30	0.10	23	3	0.40	6	150	44	25	<20	80	0.03	<10	4	<10	5	1
10	8R161445	90	0.4	7.98	45	1555	<5	0.14	<1	<1	98	381	3.87	3.33	20	0.41	43	4	0.81	7	560	46	25	<20	106	0.12	<10	32	<10	11	3
19	8R161454	135	<0.2	6.48	95	1255	<5	1.64	<1	2	120	59	2.68	3.34	30	0.58	150	8	2.12	6	200	36	20	<20	174	0.09	<10	5	<10	25	1
22	8R161457	800																													
Resplit:																															
1	8R161436	145	0.4	6.91	185	1215	<5	0.07	<1	<1	106	54	0.91	3.72	30	0.10	26	6	0.40	5	170	44	20	<20	81	0.03	<10	4	<10	4	1
Standard:																															
Stsd3			0.4	5.39	25	1355	<5	2.37	1	16	61	40	4.17	1.39	30	1.25	2585	6	1.17	35	1710	54	<5	<20	242	0.29	<10	108	<10	29	20
Se29		570																													

Au: 30g FA - AA Finish
ICP : Total Digest - ICP/AES Finish
Ag : Total Digest- AA Finish

JJ/ap/nw
df/td8249s
XLS/07

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CERTIFICATE OF ASSAY AW 2008-8262

Bushmaster Exploration
420 - 475 Howe Street
Vancouver, BC
V6C 2B3

15-Sep-08

No. of samples received: 35
Sample Type: Core
Project: Nucleus
Shipment #:2008REV013D
Submitted by: Debbie James

ET #.	Tag #	Au (g/t)	Au (oz/t)
8	8R161478	1.45	0.042
13	8R161483	1.14	0.033
30	8R161500	1.40	0.041

QC DATA:

Standard:

Oxi67	1.83	0.053

JJ/dc
XLS/08

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

ep-08

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AW 2008-8262
Total Digest

Bushmaster Exploration
420 - 475 Howe Street
Vancouver, BC
V6C 2B3

No. of samples received: 35
Sample Type: Core
Project: Nucleus
Shipment #:2008REV013D
Submitted by: Debbie James

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	8R161471	10	0.2	7.68	15	765	<5	1.57	<1	10	175	63	3.68	2.58	40	1.31	223	5	2.47	20	560	38	10	<20	309	0.31	<10	59	<10	21	39
2	8R161472	10	<0.2	7.35	35	1745	<5	0.40	<1	2	126	30	1.23	4.00	40	0.19	109	5	1.93	5	160	48	10	<20	145	0.04	<10	4	<10	9	26
3	8R161473	10	<0.2	7.12	140	1610	<5	1.43	<1	3	120	43	1.68	3.84	30	0.24	190	6	2.91	6	240	56	10	<20	190	0.06	<10	6	<10	8	24
4	8R161474	105	<0.2	7.52	25	890	<5	2.12	<1	10	186	87	3.66	3.18	30	1.73	248	6	1.18	22	410	40	5	<20	191	0.31	<10	118	<10	19	49
5	8R161475	40	0.2	7.95	130	1765	25	2.32	<1	6	147	106	2.95	3.66	30	0.95	182	4	2.18	13	720	44	20	<20	877	0.21	<10	66	<10	17	26
6	8R161476	10	<0.2	7.05	15	845	<5	1.66	<1	3	163	43	2.06	2.94	40	0.97	129	4	1.97	9	230	72	5	<20	364	0.11	<10	20	<10	19	78
7	8R161477	60	0.4	7.04	125	1375	10	1.37	<1	4	138	141	1.60	3.85	30	0.61	87	4	1.92	9	210	90	10	<20	723	0.08	<10	16	<10	13	54
8	8R161478	>1000	0.2	7.46	60	1030	10	1.05	<1	16	157	383	4.91	4.59	30	1.02	218	4	1.52	17	460	60	15	<20	596	0.22	<10	68	<10	17	36
9	8R161479	65	<0.2	7.06	25	1155	40	2.09	<1	11	145	224	4.71	3.82	30	1.22	315	4	1.77	15	460	38	10	<20	419	0.22	<10	67	<10	22	29
10	8R161480	830	2.0	8.08	<5	685	<5	1.50	<1	14	36	7572	5.05	3.10	20	1.26	355	6	2.43	31	1090	36	<5	<20	447	0.27	<10	114	<10	13	66
11	8R161481	120	0.6	8.29	45	170	25	1.06	<1	29	116	578	7.93	2.32	20	1.55	296	4	2.78	24	780	36	25	<20	430	0.33	<10	122	<10	19	31
12	8R161482	180	<0.2	9.21	20	805	20	1.76	<1	24	145	383	7.39	3.31	20	3.10	426	4	2.82	43	720	36	10	<20	426	0.40	<10	181	<10	21	37
13	8R161483	>1000	0.2	8.27	25	305	15	2.61	<1	23	134	249	8.69	2.22	20	3.51	714	4	3.16	40	1120	34	10	<20	383	0.55	<10	208	<10	25	57
14	8R161484	50	0.2	8.48	55	490	<5	2.12	<1	16	154	127	6.37	2.67	40	2.66	374	5	2.40	36	710	36	15	<20	350	0.46	<10	116	<10	20	42
15	8R161485	235	<0.2	8.01	30	400	<5	2.31	<1	14	180	111	5.16	2.33	30	2.91	368	4	2.35	34	670	30	10	<20	347	0.41	<10	137	<10	20	41
16	8R161486	55	<0.2	7.39	85	1230	10	0.72	<1	7	113	96	2.43	3.53	30	0.86	136	4	1.71	12	270	40	10	<20	154	0.10	<10	34	<10	11	20
17	8R161487	45	<0.2	7.36	80	1555	<5	0.72	<1	6	133	72	2.58	3.30	30	0.95	137	6	2.25	13	410	40	10	<20	199	0.14	<10	34	<10	10	19
18	8R161488	105	<0.2	7.64	110	815	25	3.02	<1	17	345	64	5.77	3.07	20	3.08	600	6	2.57	80	780	46	15	<20	269	0.37	<10	90	<10	15	44
19	8R161489	30	<0.2	8.85	25	335	<5	4.85	<1	26	190	110	7.82	1.90	20	3.83	958	4	3.20	52	650	36	10	<20	362	0.65	<10	204	<10	26	62
20	8R161490	15	<0.2	8.55	20	445	<5	4.49	<1	25	154	124	7.15	2.03	20	2.59	835	5	3.37	36	830	40	10	<20	305	0.62	<10	158	<10	23	53
21	8R161491	135	<0.2	8.12	120	570	5	4.36	<1	22	174	182	7.21	2.34	20	2.48	615	4	2.73	37	890	38	15	<20	407	0.46	<10	144	<10	21	47
22	8R161492	50	<0.2	7.95	15	490	<5	2.49	<1	21	116	226	7.01	1.99	10	2.33	560	4	3.09	22	690	34	10	<20	304	0.56	<10	188	<10	21	31
23	8R161493	25	<0.2	8.39	20	505	<5	3.98	<1	20	154	96	6.78	2.18	20	2.49	777	5	3.44	32	790	34	5	<20	293	0.59	<10	142	<10	21	44
24	8R161494	160	<0.2	8.06	30	765	<5	2.40	<1	21	155	237	7.70	2.91	20	2.44	418	5	2.92	36	640	42	10	<20	225	0.38	<10	128	<10	17	30
25	8R161495	55	<0.2	8.46	<5	260	<5	3.17	<1	17	212	141	6.01	1.83	20	3.32	593	5	2.90	32	760	26	5	<20	379	0.54	<10	208	<10	27	44
26	8R161496	65	0.2	8.70	10	270	<5	3.99	<1	20	194	144	6.75	1.81	20	3.35	673	4	3.02	41	720	32	10	<20	382	0.56	<10	190	<10	24	35
27	8R161497	255	<0.2	8.77	25	365	<5	3.03	<1	26	138	359	9.55	2.58	20	3.12	553	6	2.80	45	1110	38	15	20	308	0.73	<10	183	<10	25	46
28	8R161498	175	<0.2	7.48	70	1490	<5	1.01	<1	5	169	62	2.38	2.80	40	0.49	109	5	3.25	9	270	38	5	<20	227	0.11	<10	14	<10	21	17
29	8R161499	10	<0.2	6.37	15	1315	<5	0.45	<1	2	135	36	1.48	2.84	30	0.34	75	6	2.60	4	170	28	5	<20	161	0.07	<10	7	<10	14	11
30	8R161500	>1000	0.2	6.72	1145	605	95	>10	2	70	45	127	6.70	1.04	30	1.67	2740	10	1.49	47	1020	32	5	<20	452	0.30	<10	124	<10	21	111

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zr
31	8R161501	5	<0.2	6.97	20	1950	<5	0.68	<1	4	163	98	2.06	2.83	30	0.32	93	4	3.01	6	180	34	10	<20	215	0.06	<10	6	<10	18	1
32	8R161502	30	<0.2	7.05	15	1210	<5	1.24	<1	3	97	12	1.85	3.43	40	0.43	305	6	2.47	10	470	32	<5	<20	279	0.23	<10	29	<10	15	4
33	8R161503	5	<0.2	6.85	90	1275	<5	1.07	<1	5	127	96	2.36	2.13	30	0.37	94	4	2.63	6	240	32	15	<20	214	0.10	<10	15	<10	30	1
34	8R161504	<5	<0.2	6.68	20	1005	<5	0.58	<1	6	158	196	2.45	2.35	30	0.33	84	4	2.38	8	180	28	10	<20	180	0.07	<10	7	<10	21	1
35	8R161505	10	0.4	6.72	40	1215	<5	0.52	<1	3	148	87	2.19	2.51	30	0.34	84	5	2.39	6	180	28	10	<20	177	0.07	<10	9	<10	22	1
QC DATA:																															
Repeat:																															
1	8R161471	20	0.2	7.49	10	750	<5	1.50	<1	9	167	64	3.51	2.48	30	1.28	215	5	2.41	18	540	36	10	<20	300	0.29	<10	56	<10	20	4
11	8R161481	135	0.4	8.54	55	175	30	1.01	<1	32	125	591	8.28	2.45	20	1.67	307	4	2.92	27	820	40	25	<20	444	0.35	<10	129	<10	19	3
19	8R161488	25	<0.2	8.61	25	320	<5	5.09	<1	28	183	109	8.02	1.83	20	3.68	988	6	3.12	54	680	38	10	<20	354	0.67	<10	193	<10	24	6
Resplit:																															
1	8R161471	15	0.2	7.79	10	815	<5	1.28	<1	9	164	59	3.25	2.64	40	1.28	205	5	2.37	16	510	38	10	<20	331	0.27	<10	58	<10	20	3
Standard:																															
Stsd3			0.4	5.71	25	1370	<5	2.24	<1	15	61	38	4.11	1.32	30	1.25	2538	8	1.22	36	1710	52	10	<20	259	0.27	<10	109	<10	29	19
SF30		820																													

Au: 30g FA - AA Finish
ICP : Total Digest - ICP/AES Finish
Ag : Total Digest- AA Finish

JJ/ap
df/td8261S
XLS/07

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E-mail: info@ecotechlab.com
www.ecotechlab.com

CERTIFICATE OF ASSAY AW 2008-8283

Bushmaster Exploration
900 - 475 Howe Street
Vancouver, BC
V6C 2B3

26-Sep-08

No. of samples received: 35
Sample Type: Core
Project: Nucleus
Shipment #:2008REV013E
Submitted by: Debbie James

ET #.	Tag #	Au (g/t)	Au (oz/t)
3	8R161508	1.01	0.029

QC DATA:

Standard:

Oxi67	1.83	0.053

JJ/nw
XLS/08

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Sep-08

Alex Stewart Geochemical
ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AW 2008-8283
Total Digest

Bushmaster Exploration
900 - 475 Howe Street
Vancouver, BC
V6C 2B3

No. of samples received: 35
Sample Type: Core
Project: Nucleus
Shipment #:2008REV013E
Submitted by: Debbie James

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zr
1	8R161506	45	1.0	6.82	65	1065	15	0.89	<1	4	144	468	2.52	2.42	30	0.35	123	6	2.76	6	250	28	10	<20	211	0.08	<10	10	<10	22	2
2	8R161507	15	0.6	7.19	15	1015	5	1.15	<1	3	139	186	2.42	2.49	40	0.44	146	5	2.95	5	340	28	<5	<20	257	0.14	<10	19	<10	45	1
3	8R161508	>1000	0.2	7.03	105	1145	15	1.16	<1	4	136	194	2.27	2.72	20	0.33	113	4	3.05	8	270	34	<5	<20	430	0.09	<10	12	<10	19	1
4	8R161509	10	<0.2	6.87	195	1295	10	1.23	<1	5	134	140	2.28	2.77	40	0.29	114	6	3.01	7	260	28	5	<20	182	0.09	<10	14	<10	31	1
5	8R161510	10	0.4	7.06	170	1085	<5	1.36	<1	6	180	86	2.39	2.52	30	0.39	126	4	3.03	9	220	36	10	<20	224	0.09	<10	13	<10	40	2
6	8R161511	10	0.4	8.81	30	855	<5	1.50	<1	8	146	35	3.35	3.59	50	1.32	179	5	2.02	19	570	54	<5	<20	270	0.31	<10	66	<10	18	2
7	8R161512	10	<0.2	7.55	100	945	10	1.15	<1	12	148	189	4.63	3.09	30	0.95	159	6	2.13	24	530	48	5	<20	245	0.25	<10	44	<10	15	2
8	8R161513	55	0.4	6.97	50	805	20	1.04	<1	12	131	211	5.52	3.11	20	1.46	182	8	2.63	16	940	32	10	<20	188	0.22	<10	86	<10	17	2
9	8R161514	20	0.6	7.52	20	1090	<5	1.22	<1	9	128	120	4.02	3.72	20	1.18	159	7	2.79	16	520	40	5	<20	231	0.24	<10	80	<10	13	2
10	8R161515	5	0.4	5.87	5	1285	<5	0.44	<1	3	112	57	1.36	3.65	20	0.16	61	5	2.92	6	170	36	<5	<20	138	0.05	<10	10	<10	9	
11	8R161516	<5	<0.2	7.26	10	1060	<5	1.56	<1	11	147	138	4.02	2.48	10	1.42	165	5	2.60	19	590	36	<5	<20	356	0.23	<10	93	<10	14	2
12	8R161517	65	<0.2	7.55	<5	810	5	1.45	<1	7	138	128	3.31	3.01	10	1.12	134	6	2.18	9	580	28	<5	<20	289	0.26	<10	52	<10	20	1
13	8R161518	90	0.2	9.11	10	370	<5	2.18	<1	23	114	315	7.49	1.91	<10	1.78	429	5	5.03	19	830	42	<5	<20	241	0.45	<10	183	<10	18	3
14	8R161519	20	<0.2	8.58	50	140	<5	2.46	<1	21	78	143	7.30	1.21	<10	2.14	691	4	4.71	16	760	28	5	<20	185	0.48	<10	279	<10	17	3
15	8R161520	630	1.2	7.90	<5	625	<5	1.93	<1	14	26	5415	5.83	3.06	10	1.44	419	7	2.43	21	1120	40	<5	<20	495	0.27	<10	128	<10	12	6
16	8R161521	35	<0.2	8.94	<5	245	<5	3.17	<1	24	85	143	7.08	1.56	<10	2.40	780	4	4.23	19	750	30	5	<20	334	0.44	<10	217	<10	16	4
17	8R161522	5	0.2	7.59	5	380	5	2.58	<1	25	135	212	6.62	1.71	20	2.11	492	5	3.20	27	610	30	<5	<20	256	0.49	<10	138	<10	20	3
18	8R161523	40	0.6	7.97	5	445	<5	3.03	<1	22	171	161	6.79	2.13	20	2.90	547	3	3.21	34	660	32	5	<20	269	0.50	<10	153	<10	22	4
19	8R161524	25	<0.2	8.96	5	650	<5	3.38	<1	19	187	94	5.77	2.69	20	2.93	640	5	3.53	43	540	34	5	<20	338	0.45	<10	144	<10	19	3
20	8R161525	10	<0.2	8.43	5	405	<5	3.70	<1	17	157	60	5.88	2.03	30	3.07	681	4	3.47	33	600	30	5	<20	292	0.56	<10	153	<10	27	4
21	8R161526	80	<0.2	8.01	<5	1125	<5	1.83	<1	16	172	133	4.82	3.19	30	1.79	378	5	3.24	30	440	36	<5	<20	262	0.31	<10	94	<10	18	3
22	8R161527	10	0.2	6.86	5	1105	<5	1.12	<1	5	144	80	1.83	3.02	30	0.44	91	3	2.34	8	210	30	<5	<20	145	0.07	<10	19	<10	10	1
23	8R161528	15	<0.2	7.99	40	1120	<5	0.78	<1	13	171	238	6.02	3.71	40	1.97	224	5	2.64	25	500	32	5	<20	156	0.24	<10	86	<10	13	2
24	8R161529	15	0.6	7.41	15	915	<5	0.92	<1	18	144	259	6.10	2.99	20	1.70	202	5	2.60	26	510	34	5	<20	186	0.26	<10	96	<10	12	3
25	8R161530	15	0.4	7.74	5	380	5	2.43	<1	22	149	184	6.00	1.71	20	2.12	469	5	3.46	24	590	28	<5	<20	264	0.49	<10	137	<10	21	2
26	8R161531	<5	<0.2	6.45	130	1260	<5	0.91	<1	4	140	83	1.75	3.01	30	0.30	69	4	2.97	6	190	26	<5	<20	156	0.06	<10	12	<10	14	1
27	8R161532	5	0.2	6.69	10	1220	<5	0.93	<1	4	150	72	1.96	2.64	30	0.32	81	7	3.18	5	270	32	<5	<20	161	0.07	<10	14	<10	19	1
28	8R161533	5	0.4	6.55	5	2990	<5	0.81	<1	2	143	47	1.66	3.10	20	0.30	80	4	3.00	4	170	28	<5	<20	214	0.07	<10	11	<10	23	
29	8R161534	5	<0.2	6.70	10	960	<5	0.95	<1	5	159	100	2.22	1.82	30	0.31	78	6	3.16	6	200	28	<5	<20	139	0.08	<10	10	<10	22	1
30	8R161535	<5	<0.2	6.90	15	1000	<5	1.01	<1	3	96	16	1.86	2.44	140	0.33	325	4	2.30	8	470	36	<5	<20	271	0.22	<10	30	<10	16	4

ECO TECH LABORATORY LTD. ICP CERTIFICATE OF ANALYSIS AW 2008-8283 Bushmaster Exploration

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Z
31	8R161536	35	0.2	6.28	85	1055	<5	0.63	<1	3	141	77	1.36	2.01	30	0.26	65	5	3.18	4	150	20	<5	<20	144	0.05	<10	7	<10	17	1
32	8R161534	5	0.6	7.02	25	1160	25	1.20	<1	5	149	125	2.44	2.55	30	0.27	88	4	3.16	6	180	32	5	<20	194	0.06	<10	8	<10	26	1
33	8R161538	10	<0.2	6.53	20	1105	<5	1.02	<1	1	144	51	1.84	2.18	30	0.31	81	5	2.72	5	180	22	<5	<20	184	0.08	<10	7	<10	42	1
34	8R161539	15	0.2	6.62	30	795	<5	1.82	<1	2	176	47	2.18	1.78	30	0.47	93	3	3.25	8	260	26	5	<20	198	0.11	<10	10	<10	42	1
35	8R161540	15	<0.2	6.38	10	960	<5	0.99	<1	2	157	34	1.84	2.27	40	0.24	97	5	2.74	5	190	22	<5	<20	171	0.08	<10	8	<10	49	1
QC DATA:																															
Repeat:																															
1	8R161506	35	0.8	7.03	60	1140	20	0.85	<1	4	145	490	2.63	2.55	30	0.35	120	6	2.72	6	250	32	10	<20	221	0.09	<10	12	<10	24	2
10	8R161515	<5	0.4	6.08	5	1320	<5	0.43	<1	3	125	60	1.27	3.75	20	0.16	58	5	2.75	6	160	32	<5	<20	145	0.05	<10	11	<10	9	1
19	8R161524	30	<0.2	8.66	5	635	<5	3.30	<1	18	181	91	5.57	2.58	20	2.91	613	5	3.31	39	520	30	<5	<20	332	0.43	<10	136	<10	19	3
Resplit:																															
1	8R161506	30	0.7	7.08	55	1175	25	0.91	<1	3	138	471	2.30	2.61	30	0.35	104	3	2.43	5	220	32	5	<20	241	0.07	<10	9	<10	25	1
Standard:																															
Stsd3			0.4	5.89	25	1325	<5	2.43	<1	15	55	33	4.25	1.46	30	1.29	2606	6	1.23	32	1800	52	<5	<20	340	0.29	<10	106	<10	28	19
SE29		600																													

Au: 30g FA - AA Finish
ICP : Total Digest - ICP/AES Finish
Ag : Total Digest- AA Finish

JJ/ndw
df/8282s
XLS/08

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Sep-08

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AW 2008-8285
Total Digest

Bushmaster Exploration
420 - 475 Howe Street
Vancouver, BC
V6C 2B3

No. of samples received: 14
Sample Type: Core
Project: Nucleus
Shipment #:208REV013F
Submitted by: Debbie James

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	K %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	8R161541	10	0.2	6.49	5	895	<5	1.10	<1	2	169	42	2.10	2.10	40	0.26	105	3	2.70	6	190	32	<5	<20	168	0.09	<10	6	<10	51	13
2	8R161542	10	<0.2	6.53	<5	1065	<5	1.14	<1	3	163	62	2.14	2.08	40	0.26	104	3	2.79	7	210	34	5	<20	151	0.11	<10	11	<10	50	10
3	8R161543	15	<0.2	5.90	<5	915	<5	1.39	<1	4	198	48	2.61	2.21	30	0.76	137	7	2.21	13	250	44	10	<20	174	0.17	<10	31	<10	24	16
4	8R161544	<5	<0.2	8.07	<5	1135	<5	1.95	<1	4	179	49	2.80	2.32	40	1.58	143	3	2.14	19	610	42	<5	<20	298	0.33	<10	63	<10	26	16
5	8R161545	20	<0.2	7.78	<5	395	<5	1.59	<1	18	140	208	5.43	2.21	20	1.71	184	6	3.03	20	650	36	10	<20	296	0.31	<10	102	<10	25	25
6	8R161546	15	0.2	8.67	<5	240	<5	2.83	<1	16	128	128	5.35	2.02	10	2.36	272	4	2.87	19	810	38	5	<20	424	0.42	<10	158	<10	21	32
7	8R161547	15	<0.2	7.65	5	1175	<5	1.18	<1	6	149	79	2.46	2.30	20	1.22	119	6	2.70	13	490	28	5	<20	260	0.27	<10	51	<10	24	13
8	8R161548	10	<0.2	6.53	35	735	<5	0.95	<1	6	151	105	1.82	1.66	40	0.39	78	3	2.99	6	170	28	5	<20	151	0.07	<10	12	<10	33	8
9	8R161549	10	<0.2	6.41	35	3060	<5	0.95	<1	5	149	75	2.05	2.22	40	0.39	115	5	2.81	7	170	34	<5	<20	146	0.10	<10	15	<10	47	12
10	8R161550	855	1.8	8.05	<5	655	<5	1.54	<1	14	35	7527	4.27	2.35	20	1.33	368	6	2.47	30	1000	42	5	<20	458	0.24	<10	115	<10	14	70
11	8R161551	10	0.2	8.35	35	490	<5	3.96	<1	16	200	92	5.34	1.97	20	3.39	575	3	2.89	44	550	34	10	20	296	0.55	<10	160	<10	23	49
12	8R161552	50	<0.2	6.20	145	400	<5	4.95	<1	11	203	128	4.56	1.94	20	1.88	220	4	0.85	28	450	28	20	<20	270	0.37	<10	102	<10	19	21
13	8R161553	320	0.4	7.71	135	605	<5	1.46	<1	11	203	92	4.66	2.47	30	2.54	186	3	1.75	37	520	34	5	<20	208	0.50	<10	129	<10	17	27
14	8R161554	30	<0.2	8.00	90	880	30	1.87	<1	11	157	298	3.50	2.54	30	1.52	144	5	2.41	28	1000	40	10	<20	290	0.35	<10	93	<10	20	20
QC DATA:																															
Repeat:																															
1	8R161541	15	<0.2	6.64	5	910	<5	1.23	<1	2	167	42	2.13	2.14	40	0.26	109	3	2.85	6	200	32	<5	<20	171	0.10	<10	6	<10	53	15
12	8R161552	40																													
13	8R161553	395																													
Resplit:																															
1	8R161541	5	<0.2	6.46	10	860	<5	1.30	<1	3	145	47	2.01	1.92	40	0.25	104	5	3.08	6	180	32	<5	<20	165	0.09	<10	6	<10	48	11
Standard:																															
Stsd3			0.6	5.89	26	1375	<5	2.38	1	16	60	33	4.25	1.44	30	1.27	2740	6	1.16	38	1680	50	5	<20	348	0.30	<10	118	<10	30	203
Se29		600																													

Au: 30g FA - AA Finish
ICP : Total Digest - ICP/AES Finish
Ag : Total Digest- AA Finish

JJ/ap
td8300S

ECO TECH LABORATORY LTD.
Jutta Jealouse
B.C. Certified Assayer

Hole: GRD-08-077
Logged By: Wade Barnes
Zone: Nucleus

Samples				Lithology										STRUCTURE			Mineralization		Alteration		Vein	
from	to	length	sample #	rock1 name	colour1	texture old	grainsize1 (mm)	Lith1_mineralogy	Lith_description1	rock2 name	colour2	Lith_description2	foliation CA	Struct_type1	Struct_CA1	Mineralization	Mineral texture	Alteration Suite	alt_description	Vein mineralogy	Vein_comments
196.44	198.39	1.95	8R163041	Schist Breccia	Grey	Bleached	Medium Grained	Qtz, Clay, Ser, Bio	Similar to 039. Silica content has increased more possibly replacing some clay within the clasts. Minor silica increase within the matrix. Minor biotite still present within the matrix.							pyrite, chalcopyrite	Stringers and disseminated within clasts and matrix.	qtz, clay, ser			
198.39	200.39	2.00	8R163042	Quartz Clay Schist	Grey	Patchy Foliation	Medium Grained	Qtz, Clay, Bio, Chl	Unit has changed to a highly fractured schist, possibly still crackle brecciated. Foliation is more uniform. Unit is mostly made up of quartz and clay with minor biotite. Clay(mostly sericite?) is from the alteration of feldspars. Minor chlorite as halos around some fractures and stringers.				70			pyrite, chalcopyrite	Stringers, veins and spotty disseminated.	clay, chl		quartz	Both with pyrite and chalcopyrite.
200.39	202.00	1.61	8R163043	Quartz Clay Schist	Grey	Patchy Foliation	Medium Grained	Qtz, Clay, Bio, Chl	Similar to 042.				65			pyrite	Stringers and spotty disseminated.	clay, chl		quartz	Both with minor clay.
202.00	203.69	1.69	8R163044	Microgranite	Grey	Bleached	Medium Grained	Qtz, Clay, Fspar, Chl	Unit is fine grained grey crystalline microgranite (poasibly a PPFX). Unit is mostly comprised of quartz and clay with lesser feldspar and chlorite. Clay is from the alteration of feldspars. Chlorite is from the alteration of minor mafics. Upper contact is sharp and the lower contact is gradational and brecciated with schist clasts and possibly granite clasts.					Dike Upper Contact	25	pyrite	Stringers.	clay, Chl		quartz	
203.69	205.69	2.00	8R163045	Clay Biotite Schist	Grey/Purple/Brown	Mottled	Medium Grained	Clay, Bio, Qtz	Mixed up schist with several small granitic dikes running though it. Schist is primarily made of clay and biotite with minor quartz. Clay is from the alteration of biotite and possibly quartz and feldspar. Foliation is seen between dikes. Unit is highly fractured and broken.	Granite	White to Light Grey	Several small granitic units running through the interval at various orientations. Units are primarily composed of quartz and feldspar with minor mafics.	115			pyrite	Stringers and disseminated within granite.	clay			
205.69	207.29	1.60	8R163046	Granite	White/Light Grey	Equigranular	Coarse Grained	Fspar, Qtz, Clay, Chl	Similar to 045 except now the granite dikes now dominate the interval. A few dikes present mostly comprised of quartz and felspar with lesser clay and chlorite. Clay is from the alteration of feldspar. Minor chlorite from the alteration of mafics. Orientation is variable.	Clay Biotite Schist	Grey/Purple/Brown	Schist material like 045. Schist is primarily made of clay and biotite with minor quartz. Clay is from the alteration of biotite and possibly quartz and feldspar. Foliation is seen between dikes.				pyrite	Stringers, disseminated within the granite and a vein.	clay		quartz, clay	
207.29	208.67	1.38	8R163047	Microgranite	Grey	Bleached	Medium Grained	Clay, Qtz, Fspar	Alteration has obliterated most of the characteristics of the rock. Unit is comprised of clay and quartz with lesser feldspar and spot mafics. Clay is from the alteration of the feldspars and some mafics. Spotty chlorite is from the alteration of the mafics. Unit is moderately fractured and broken.					Dike Upper Contact	115	pyrite, chalcopyrite	Stringers and veins.	clay, chl		Sulphides	Both contain sulphides.
208.67	210.26	1.59	8R163048	Schist Breccia	Light Grey	Bleached	Medium Grained	Clay, Qtz, Bio, Ser	Unit is primarily a brecciated schist with minor microgranite clasts at the beginning of the unit. Schist clasts are mostly altered to clay with quartz remaining. Minor sericite and biotite remaining within the clasts. Matrix is comprised of clay and quartz.							pyrite, chalcopyrite	Stringers, veins, matrix and clasts	clay, ser		quartz, Clay	
210.26	211.75	1.49	8R163049	Schist Breccia	Grey	Bleached	Medium Grained	Qtz, Clay, Ser, Bio	Similar to 048. Slightly more siliceous.							pyrite, chalcopyrite	Stringers, matrix and clasts	qtz, clay			
211.75	212.85	1.10	8R163051	Granite	Light Grey/Brown and Purple	Equigranular	Coarse Grained	Qtz, Clay, Bio, Fspar	Alteration has obliterated most of the characteristics of the unit. Most feldspars have been altered to clay or biotite due to beining part of the chill margin. Quartz remains intact. Spotty mafics altered to chlorite.					Dike Upper Contact	140	pyrite	Stringers and veins.	clay, bio		quartz	
212.85	214.16	1.31	8R163052	Granite	Light Grey	Equigranular	Coarse Grained	Qtz, Clay, Bio, Fspar	Similar to 051, but with less secondary biotite and more clay alteration of the feldspars.					Dike Lower Contact	50	pyrite, chalcopyrite	Stringers, veins and disseminated (associated with the mafics).	clay, bio		quartz	
214.16	215.66	1.50	8R163053	Quartz Clay Schist	Grey	Patchy Bleached	Medium Grained	Qtz, Clay, Chl, Bio	Alteration has obliterated most of the original characteristics of the rock. Chlorite and clay alteration dominate the mafics with minor biotite remaining. Some original quartz remains with some chlorite altered. Alteration has masked the foliation. Small granitic dike present.	Granite	White	Small granitic dike from 214.79m to 214.95m. Similar to the granitic dike above.				pyrite, chalcopyrite	Stringers and veins.	clay, Chl		quartz	With clay and sulphides.
215.66	217.63	1.97	8R163054	Granite	Light Grey	Patchy Bleached	Coarse Grained	Qtz, Clay, Ser, Fspar	Alteration has obliterated most of the original characteristics of the rock. Almost all of the feldspars have been altered to clay or minor sericite. Crystal grains appear to have been slightly remobilized with some quartz grains looking like the have melded together. Minor biotite and clay schist xenoliths present. Lower contact is brecciated and uneven.					Dike Upper Contact	60	pyrite	Stringers, veins and disseminated.	clay, Ser		quartz	
217.63	219.63	2.00	8R163055	Quartz Clay Schist	Grey	Patchy Foliated	Medium Grained	Qtz, Clay, Ser, Bio	Alteration has obliterated most of the characteristics of the original rock. Primary quartz remains where as most of the biotite has been altered to clay and minor sericite. Foliation is still evident in some sections.				50			pyrite, chalcopyrite	Stringers, veins and spotty disseminated.	clay, Ser		Sulphide	Both with clay.
219.63	221.63	2.00	8R163056	Quartz Schist	Light Grey/Green	Bleached	Medium Grained	Qtz, Chl, Clay	Unit has become near pervasive with silicification with patchy chlorite and minor clay sections. Biotite and/or most clay has been silcified. Chlorite is from the alteration of biotite and/or clay. Minor clay remains. Spotty chlorite within the matrix with pyrite.				110			pyrite, chalcopyrite	Stringer, veins and spotty disseminated.	qtz, chl		quartz	Both with calcite and sulphides.
221.63	223.63	2.00	8R163057	Quartz Schist	Light Grey/Green	Bleached	Medium Grained	Qtz, Bio, Chl, Ser	Pervasive silicification. Minor biotite remains. Spotty chlorite present. Sericite present as halos around some fractures and stringers.				40			pyrite, chalcopyrite	Stringers and veins.	Qtz, ser, chl	Sericite halos around some fractures and stringers.	quartz	Both with calcite, clay and sulphides.
223.63	225.63	2.00	8R163058	Quartz Schist	Light Grey/Green	Bleached	Medium Grained	Qtz, Chl, Clay, Bio	Silicification has decreased with an increase in chlorite within the matrix. Spotty remnant biotite remains. Patchy clay alteration increases down the hole.				135	Flt	120	pyrite, chalcopyrite	Stringers.	Qtz, chl, clay	Clay alteration follows foliation		
225.63	227.63	2.00	8R163059	Quartz Schist	Light Grey/Green	Bleached	Medium Grained	Qtz, Chl, Clay, Bio	Similar to 058. Increase in fractures and broken rock.				40	Flt	40	pyrite, chalcopyrite	Stringers and veins.	Qtz, chl, clay	Clay alteration follows foliation	quartz	With sulphides.
227.63	229.20	1.57	8R163060	Quartz Schist	Light Grey/Green	Bleached	Medium Grained	Qtz, Clay, Chl, Bio	Similar to 059, but with an increase in clay alteration and a decrease in chlorite alteration.				60	Flt	150	pyrite	Stringers	Qtz, chl, clay	Clay alteration follows foliation		
229.20	230.40	1.20	8R163061	Quartz Schist	Light Grey/Green	Bleached	Medium Grained	Qtz, Bio, Clay, Chl	Unit has increased in silicification again with minor remnant biotite remaining. Minor clay and chlorite present from the alteration of some biotite.				135			pyrite, chalcopyrite	Stringers and spotty along the remnant biotite foliation.	qtz, clay, chl	Clay alteration follows foliation.		
230.40	231.65	1.25	8R163062	Quartz Schist	Light Grey/Green	Bleached	Medium Grained	Qtz, Bio, Chl, Clay	Similar to 061. Minor biotite halo around some fractures and stringers. Less clay alteration.				40			pyrite	Stringers.	qtz, bio, chl			
EOH																						

Hole: GRD-08-077
Logged By: Wade Barnes
Zone: Nucleus

Samples				Lithology									STRUCTURE			Mineralization		Alteration		Vein	
from	to	length	sample #	rock1 name	colour1	texture1 old	grainsize1 (mm)	Lith1_mineralogy	lith_description1	rock2 name	colour2	lith_description2	foliation CA	Struct_Type1	Struct_CA1	Mineralization	Mineral texture	Alteration Suite	alt_description	Vein mineralogy	Vein_comments
157.33	159.33	2.00	8R163017	Schist Breccia	Grey	Mottled	Medium Grained	Clay, Qtz, Ser, tourmaline	Brecciated unit with schist clasts within a clay, quartz, tourmaline matrix. Clasts have a wide range of sizes and the clasts are subangular to angular. Some clasts are clay altered with minor biotite and others are siliceous. Spotty chlorite present. Matrix is a mixture of mostly clay with lesser quartz. Tourmaline appears separate within the matrix. Minor vugginess within the matrix.							pyrite	Within the matrix as stringers and veins as well as within matrix.	Clay	Alteration of possible biotite and feldspars within the clasts.	tourmaline, pyrite	
159.33	161.33	2.00	8R163018	Schist Breccia	Grey	Mottled	Medium Grained	Clay, Qtz, Ser, Bio	Similar to 017, but with less tourmaline and more quartz left in the matrix and clasts. Larger clasts and less matrix. Minor biotite within the matrix and clasts.							pyrite, chalcopyrite	Within the matrix and clasts as well as stringers and veins.	Clay	Alteration of possible biotite and feldspars within the clasts.	Sulphides	With pyrite, chalcopyrite, quartz an d clay.
161.33	163.33	2.00	8R163019	Schist Breccia	Grey	Mottled	Medium Grained	Qtz, Clay, Ser, Bio	Similar to 018. Possible microgranite present.	Granite	Light Grey	Small possible granite from 162.97m to 163.24m. Equigranular, silceous and mixed with schist material.				pyrite, chalcopyrite	Within the matrix and clasts as well as stringers and veins.	Clay, Ser	Alteration of the biotite within some clasts.	Sulphides	With quartz and chalcopyrite
163.33	165.33	2.00	8R163021	Schist Breccia	Grey	Mottled	Medium Grained	Clay, Qtz, Chl, Ser	Similar to 017. Brecciation is decreasing down the interval. Foliation is becoming more evident, but is still mixed up due to minor brecciation. Trace of biotite remaining.							pyrite, chalcopyrite	Within the matrix and clasts as well as stringers and veins.	Clay, Ser	Alteration of the biotite within some clasts.	Sulphides	Mostly pyrite with quartz and a trace of chalcopyrite.
165.33	166.80	1.47	8R163022	Quartz Clay Schist	Grey	Mottled	Medium Grained	Qtz, Clay, Bio, Ser	Alteration has corn pletely obliterated the rock characteristics. Minor biotite remains and spoty possible foliation. Most of the biotite and possible feldspars have been altered to clay. Spot brecciation seen.							pyrite	Stringers and disseminated.	Clay, Ser	Alteration of the biotite.		
166.80	168.45	1.65	8R163023	Quartz Clay Schist	Grey	Mottled	Medium Grained	Qtz, Clay, Ser	Similar to 022. Only spot biotite remains and foliation is evident. Possible small microgranite sections present. Section contains minor brecciated sections.				50			pyrite	Stringers and disseminated.	Clay, Ser	Alteration of the biotite.		
168.45	170.45	2.00	8R163024	Microgranite	Grey	Mottled	Medium Grained	Clay, Qtz, Chl	Alteration has obliterated most of the characteristics of the rock. Only primary quartz remains from the host rock with clay from the alteration of the feldspars. Spotty mafics present which have been altered to chlorite. Matrix appears granular/crystalline. Unit contains a small breccia section with some schist material. Spotty possible lineation of grains present (possible schist).	Schist Breccia	Brown/Grey	Possible schist unit from 169.95m to 170.14m. Clay altered with minor remnant biotite.		Dike Upper Contact	150	pyrite	Stringers and disseminated (associated with mafics).	Chl, Clay	Alteration of feldspars.	Sulphides	Vuggy with quartz, pyrite and chalcopyrite.
170.45	171.90	1.45	8R163025	Microgranite	Grey	Mottled	Medium Grained	Clay, Qtz, Chl	Similar to 024.					Dike Lower Contact	135	pyrite	Stringers and disseminated (associated with mafics).	Chl, Clay	Alteration of feldspars.	Sulphides, quartz	
171.90	173.90	2.00	8R163026	Schist Breccia	Grey	Mottled	Medium Grained	Clay, Qtz, Bio, Chl	Alteration has obliterated most of the characteristics of the rock. Brecciation appears to be crackle breccia. With spotty sections with matrix between some clasts. Schist fragments are highly clay altered from the biotite and possible feldspars. Minor chlorite alteration of the biotite present. Spotty remnant biotite remains. Spotty foliation present but orientation varies due to brecciation.							pyrite, chalcopyrite, hematite, tetrahedrite	Stringers, veins and minorly disseminated within clasts.	Clay, Chl, Clay		Sulphides	With pyrite, chalochalcopyrite, hematite, tetrahedrite, quartz and tourmaline ?
173.90	175.90	2.00	8R163027	Schist Breccia	Grey	Mottled	Medium Grained	Clay, Qtz, Bio	Similar to 026. Increase in clay alteration and remnant biotite. Some biotite could be secondary. Minor chlorite and sericite alteration present.							pyrite	Stringers, veins and minorly disseminated within clasts.	Clay, Bio, Clay		Sulphides	Pyrite, clay and quartz
175.90	177.90	2.00	8R163028	Schist Breccia	Grey	Mottled	Medium Grained	Clay, Qtz, Bio, Ser	Down the interval the unit becomes less clay altered or just less clay is present possibly due to increase in silica either from silica banding or replacement. Fracturing has increased within this linterval. Less biotite present than before.							pyrite	Stringers and minorly disseminated within clasts.	Clay, Qtz, Ser			
177.90	179.90	2.00	8R163029	Schist Breccia	Grey	Bleached	Medium Grained	Qtz, Clay, Ser	Primary quartz content has increased with a decrease in clay (altered biotite). Possible minor quartz replacement of some clay or biotite. Minor sericite alteration of some biotite.							pyrite	Stringers and disseminated within clasts.	Clay, Qtz, Ser			
179.90	181.90	2.00	8R163031	Schist Breccia	Grey	Mottled	Medium Grained	Qtz, Clay, Bio, Ser	Similar to 029. Slight increase in primary or replacement silica. Minor primary or secondary biotite remains. Minor sericite alteration of some biotite. Slight increase in brecciation. Small microgranite unit present.	Microgranite	White	Small microgranite unit from 180.12m to 180.37m. Unit is bleached and mostly composed of quartz and clay (after feldspars) and minor feldspar.		Dike Upper Contact	130	pyrite, chalcopyrite	Stringers and disseminated within the clasts and mostly within quartz bands.	clay, ser, qtz			
181.90	183.69	1.79	8R163032	Schist Breccia	Grey	Mottled	Medium Grained	Qtz, Clay, Ser, Bio	Similar to 031, but without the microgranite.							pyrite, chalcopyrite	Stringers and disseminated within the clasts and mostly within quartz bands.	Clay, Ser, qtz		quartz	With pyrite and chalcopyrite.
183.69	185.69	2.00	8R163033	Microgranite	Grey	Equigranular	Medium Grained	Qtz, Fspar, Clay	Unit is more crystalline than the above rock and is mostly composed of quartz with lesser feldspar and clay. The clay is from the alteration of feldspar. Spotty mafics, probably chlorite, with minor pyrite within the mafics. Minor schist xenoliths at the start of the unit. Upper contact is brecciated and silicified.							pyrite	Stringers, veins and disseminated with the mafics.	Clay, Chl		quartz	
185.69	187.00	1.31	8R163034	Microgranite	Grey	Equigranular	Medium Grained	Qtz, Fspar, Clay	Similar to 033.					Dike Lower Contact	20	pyrite	Stringers and disseminated with the mafics.	clay, Chl			
187.00	188.44	1.44	8R163035	Granite	Light Grey	Mottled	Coarse Grained	Qtz, Clay, Ser, Fspar	Unit is slightly crystalline with some linearity of grains. Crystals are larger in size. Unit is mostly comprised of quartz which looks melded together in a foliated look. Clay and sericite present from the altering of feldspars. Spotty mafics present with pyrite associated with the mafic spots. Mafics appear to be altered to chlorite. Unit becomes brecciated down the hole.				Lineations	Dike Lower Contact	170	pyrite	Stringers, and disseminated with mafics.	clay, Ser, Chl			
188.44	190.44	2.00	8R163036	Schist Breccia	Light Grey	Bleached	Medium Grained	Qtz, Clay, Ser	Similar to the unit before the microgranite and granite above. Unit is mostly composed of schist clasts with minor microgranite clasts within a clay and silica matrix. Clasts are mostly clay and minorly sericite altered with some silica altered. Schist clasts contain remnant banding. Spotty biotite remains within some clasts.							pyrite	Stringers and disseminated within clasts and matrix.	clay, Ser, Qtz			
190.44	192.44	2.00	8R163037	Schist Breccia	Light Grey	Bleached	Medium Grained	Qtz, Clay, Ser, Bio	Similar to 036. Slight decrease in the amount of sericite alteration of some clasts. Minor remnant biotite present within some clasts.							pyrite, chalcopyrite	Stringers and disseminated within clasts and matrix.	clay, Qtz, Ser		tourmaline	
192.44	194.44	2.00	8R163038	Schist Breccia	Grey	Mottled	Medium Grained	Qtz, Clay, Ser	Similar to 036. Clasts and rock material is becoming harder to identify due to brecciation, alteration and intrusion. Unit appears to contain clasts of schist, microgranite and granite. Intrusive clasts might be little dikes.							pyrite, chalcopyrite	Stringers, veins and disseminated within clasts and matrix.	clay, qtz, ser		quartz	With clay and pyrite and chalcopyrite.
194.44	196.44	2.00	8R163039	Schist Breccia	Grey	Mottled	Medium Grained	Qtz, Clay, Ser, Bio	Similar to 038, but with a slight increase of silica within the matrix and silica replacement of some clasts. Minor biotite present within the matrix.							pyrite	Stringers, veins and disseminated within clasts and matrix.	clay, qtz, ser		quartz	Both with pyrite

Hole: GRD-08-077
Logged By: Wade Barnes
Zone: Nucleus

Samples				Lithology										STRUCTURE			Mineralization		Alteration		Vein	
from	to	length	sample #	rock1 name	colour1	texture1 old	grainsize1 (mm)	Lith1_mineralogy	Lith_description	rock2 name	colour2	Lith_description2	Isolation CA	Struct_types	Struct_CA1	Mineralization	Mineral texture	Alteration Suite	alt_description	Vein mineralogy	Vein_comments
119.33	120.67	1.34	BR162993	Biotite Clay Schist	Brown/Purple	Foliated	Medium Grained	Bio, Clay, Qtz	Similar to 992, but with a siliceous section from 119.45m to 119.77m. Spotty limonite seen on a few fractures and in some stringers.				160			pyrite, limonite	Disseminated and stringers	Clay	Feldspar alteration.	quartz, sericite	Sericite vein with quartz.
120.67	122.67	2.00	BR162994	Schist Breccia	Light Grey with Brown/Purple sections	Crackle Brecciated	Medium Grained	Qtz, Bio, Clay, Ser	Similar to the unit above except for the crackle brecciation and actual minor brecciated sections. About half the schist clasts have been silicified and the others are the clay and biotite type encountered above. Matrix between clasts is mostly biotite, clay and quartz.							pyrite	Stringers, veins and within clasts	Qtz, Clay		quartz	Vuggy with sericite and pyrite.
122.67	123.86	1.19	BR162995	Schist Breccia	Light Grey with Brown/Purple sections	Crackle Brecciated	Medium Grained	Qtz, Bio, Clay	Similar to 994, but with an increase in silicification of some clasts. Crackle brecciation decreases down the interval.							pyrite	Stringers, veins and disseminated within the matrix haloing some clasts.	Qtz, Clay		pyrite	
123.86	125.86	2.00	BR162996	Biotite Schist	Purple/Brown and Light Grey Bands	Foliated	Medium Grained	Bio, Qtz, Clay, Chl	More normal foliated schist with mostly biotite and quartz bands. Minor clay and chlorite alteration of some biotite and possible feldspars. Some felsic bands appear to be feldspars and now is clay. A couple of Medium GrainedRAN units present.	Microgranite	White	Small microgranite units from 124.28m to 124.39m, 124.80m to 124.90m and 125.12m to 125.94m. Units are siliceous with spotty mafics and minor 2mm felspar phenocrysts. Contacts are irregular.	70			pyrite, chalcopyrite	Stringers, veins and within some quartz bands.	Clay, Chl		quartz	Vuggy with pyrite and chalcopyrite.
125.86	127.86	2.00	BR162997	Schist Breccia	Purple/Brown and White patches	Mottled	Medium Grained	Bio, Clay, Qtz	Mixed up unit with what appears to be a brecciated unit due to several little microgranite dikes or a dike weaving in and out through the schist. Some sections looks like there might microgranite clasts. Schist appears to have primary biotite and minor quartz present with some clay form the alteration of some biotite and possible feldspars.	Microgranite	White	No real orientation to the microgranites as it might be weaving in and out. The feldspars within the granite are clay altered with the primary quartz remaining.				pyrite, chalcopyrite	Stringers, veins and minorly disseminated.	Clay		quartz	With pyrite and chalcopyrite.
127.86	129.86	2.00	BR162998	Schist Breccia	Purple/Brown and White patches	Mottled	Medium Grained	Bio, Clay, Qtz, Chl	Mottled up schist unit like 997 with some Medium GrainedRAN material or dikes through it. Patchy foliation present.Slightly less quartz present with an increase in chlorite.	Microgranite	White	No real orientation to the microgranites as it might be weaving in and out. The feldspars within the granite are clay altered with the primary quartz remaining.	155			pyrite	Stringers, veins and minorly disseminated.	Clay, Chl		quartz	With pyrite.
129.86	131.17	1.31	BR162999	Schist Breccia	Purple/Brown and White patches	Mottled	Medium Grained	Bio, Clay, Qtz, Chl	Similar to 998, bute with less brecciation down the hole due to less Medium GrainedRAN intrusions or clasts.	Microgranite	White	No real orientation to the microgranites as it might be weaving in and out. The feldspars within the granite are clay altered with the primary quartz remaining.				pyrite	Stringers, veins and minorly disseminated.	Clay, Chl			
131.17	132.59	1.42	BR163001	Biotite Clay Schist	Purple/Brown and Light Grey Patches	Mottled	Medium Grained	Bio, Clay, Qtz, Chl	Unit is becoming less mottled with a decrease in brecciation which is spotty. Mostly fractured up schist is present with siliceous patches. Clay alteration present from the altering of some biotite and possible feldspars. Minor chlorite and sericite present from the altering of some biotite and possible feldspars.							pyrite, chalcopyrite	Stringers, veins and minorly disseminated.	Clay, Chl		pyrite	
132.59	133.74	1.15	BR163002	Biotite Clay Schist	Purple/Brown and Light Grey Patches	Mottled	Medium Grained	Bio, Clay, Qtz, Chl	Similar to 001.	Microgranite	Light Grey	Small microgranite dike from 133.57m to 133.61m. Unit is mostly composed of quartz with lesser feldspars and spotty mafics.		Dike Upper Contact	40	pyrite	Stringers, veins and minorly disseminated.	Clay, Chl		pyrite	With quartz
133.74	135.74	2.00	BR163003	Biotite Quartz Schist	Brown/Purple and minor Light Grey Bands	Foliated	Medium Grained	Bio, Qtz, Clay, Ser	Unit has now changed into a more normal looking schist with large mafic and small felsic bands. Within the mafic bands is mostly biotite with clay. Clay possibly from feldspars and minor biotite. Felsic bands are primarily quartz. Spotty section of biotite are siliceous. Spotty sericite and chlorite alteration present, possibly altered biotite and/or feldspars. Small Medium GrainedRAN dike present.	Microgranite	Light Grey	Small microgranite dike from 134.47m to 134.58m.Unit is fine grained and composed of quartz and feldspars with minor mafics. Pyrite stringers present.	145	Dike Upper Contact	50	pyrite, chalcopyrite	Stringers, veins and minorly disseminated.	Clay, Qtz		pyrite, quartz	Pyrite veins with quartz
135.74	137.74	2.00	BR163004	Quartz Biotite Schist	Light Grey with Brown/Purple bands.	Foliated	Medium Grained	Qtz, Bio, Clay, Chl	Unit has slightly changed to being more siliceous and with less mafics. Some silica replacement of some biotite along with some clay and chlorite alteration. Minor rounded clay sections within mafic bands possible clay altered feldspars.				135			pyrite	Stringers, veins and disseminated along some foliations.	Qtz, Clay		quartz, pyrite	One pyrite vein vuggy with barite.
137.74	139.74	2.00	BR163005	Quartz Schist	Dark Grey	Foliated	Medium Grained	Qtz, Bio, Clay, Ser	Unit has become more silica rich with the silica replacement of some biotite. Minor clay and sericite sections from altering biotite and possible feldspars. Trace of chlorite alteration present. Spotty remnant feldspars present. Spotty epidote associated with some clay and sericite bands.				135			pyrite, chalcopyrite	Stringers, veins and disseminated along some foliations.	Qtz, Clay		quartz, calcite, pyrite	
139.74	141.74	2.00	BR163006	Quartz Biotite Schist	Grey and Brown/Purple Bands	Foliated	Medium Grained	Qtz, Bio, Clay, Chl	Unit has decreased in the amount of silica replacement and more primary biotite is present. Clay, chlorite and minor sericite alteration still present from alterating some biotite and some possible feldspars.				135			pyrite	Stringers, veins and disseminated along some foliations.	Clay, Ser		quartz	All 3 with pyrite
141.74	143.46	1.72	BR163007	Quartz Clay Schist	Light Grey	Foliated	Medium Grained	Qtz, Clay, Bio, Ser	Strong clay alteration of the biotite now present within the unit. Minor biotite remains. Minor sericite and spotty chlorite alteration as well. Unit is moderatley broken.				45			pyrite	Stringers, veins and disseminated along some foliations.	Clay, Ser	Alteration of feldspars.	quartz	One with pyrite the other with clay.
143.46	145.65	2.19	BR163008	Quartz Biotite Schist	Dark Green/Purple with minor light Grey Bands	Foliated	Medium Grained	Qtz, Bio, Clay, Chl	Unit has become slightly more quartz rich with lesser biotite. Some biotite has been clay and silica altered. Spotty sericite present as well. Small possible amphibolite section from 143.10m to 143.30m that is chlorite altered.				55			pyrite	Stringers, veins and disseminated mainly along felsic foliations.	Clay, Chl, Qtz	Clay alteration of possible feldspars.	quartz, calcite	
145.65	147.65	2.00	BR163009	Schist Breccia	Light Grey to Dark Grey	Patchy Foliation	Medium Grained	Clay, Qtz, Bio, Chl	Similar schist unit above but with more alteration and increasing brecciation down the hole. Interval starts with minor brecciation then a a normal non brecciated portion then becomes brecciated again. Clasts are mostly clay altered with minor biotite and quartz. Minor large quartz bands present. Matrix is mostly composed of clay and silica. Minor Medium GrainedRAN clasts present.				105			pyrite	Stringers and disseminated within clasts and matrix	Clay, Chl			
147.65	149.63	1.98	BR163011	Schist Breccia	Light Grey	Mottled	Medium Grained	Clay, Qtz, Bio, Chl	Unit is becoming more brecciated and the schist clasts are becoming more altered. More Medium GrainedRAN clasts are becoming present. One small Medium GrainedRAN dike is present	Microgranite	White	Microgranite dike from 148.46m to 148.83m. Unit is contains clay from the alteration of feldspars and quartz. Pyrite stringers present.		Dike Upper Contact	145	pyrite	Stringers and disseminated within clasts and matrix.	Clay, Chl		quartz	
149.63	150.59	0.96	BR163012	Microgranite	White	Bleached	Medium Grained	Qtz, Fspar, Clay, Chl	Bleached microgranite due to silicification and clay alteration. Unit contains 5% 1-2mm feldspar phenocysts with most altered to clay. Matrix is composed mostly of quartz and feldspar with some feldspar replaced by silica and clay. Spotty mafics present now altered to chlorite.					Dike Upper Contact	55	pyrite	Stringers.	Chl, Qtz, Clay			
150.59	152.59	2.00	BR163013	Quartz Clay Schist	Light Grey	Foliated	Medium Grained	Qtz, Clay, Bio	Back into a foliated schist. Minor silicification of possible biotite and minor clay/sericite alteration of the biotite.				20			pyrite, chalcopyrite	Stringers and veins and spotty disseminated.	Qtz, Clay		quartz	
152.59	154.59	2.00	BR163014	Clay Quartz Schist	Light Grey	Foliated	Medium Grained	Clay, Qtz, Chl, Bio	Similar to 013, but alteration has changed. There is a decrease in silicification of the biotite but an increase in the clay alteration of the biotite. This could be due to less quartz bands present to leach out and replace the silica				160			pyrite	Stringers and disseminated along the foliation.	Clay, Chl			
154.59	156.36	1.77	BR163015	Clay Quartz Schist	Light Grey with Brown bands	Foliated	Medium Grained	Clay, Qtz, Bio, Chl	Similar to 014, but with a slight increase in primary biotite and chlorite alteration of the biotite.				50			pyrite	Stringers and disseminated along the foliation.	Clay, Chl			
156.36	157.33	0.97	BR163016	Clay Quartz Schist	Light Grey	Foliated	Medium Grained	Clay, Qtz, Bio, Chl	Unit has become more bleached due to increase in clay alteration and silica.				135			pyrite	Stringers.	Clay, Chl			

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Samples				Lithology										STRUCTURE			Mineralization		Alteration		Vein	
from	to	length	sample #	rock1 name	colour1	texture1 old	grainsize1 (mm)	Lith_1_mineralogy	Lith_description1	rock3 name	colour2	Lith_description2	foliation CA	Struct_Type1	Struct_CA1	Mineralization	Mineral texture	Alteration Suite	Alt_description	Vein mineralogy	Vein_comments
80.70	82.23	1.53	8R162966	Clay Schist	Rust Orange	Foliated	Medium Grained	Clay, Qtz, Ser	Similar to 965 with a slight decrease in clay alteration down the hole.				50			limonite, hematite	Fractures, stringers, veins and near pervasive through the host rock	Clay, Ser, Clay		limonite, quartz	Limonite veins with clay and minor quartz. Quartz veins with minor clay.
82.23	84.23	2.00	8R162967	Clay Quartz Schist	Light Tan	Bleached	Medium Grained	Clay, Qtz, Ser	Unit has become less oxidized. Less limonite within the matrix of the host rock. Clay alteration is still strong with only quartz remaining from the orisinal rock unit.				60			limonite	Fractures, stringers and patchy through the host rock.	Clay, Ser			
84.23	86.23	2.00	8R162968	Clay Quartz Schist	Light Tan with Rust Orange Patches	Foliated	Medium Grained	Clay, Qtz, Ser	Similar to 968. Increase in oxidation with patchy pervasive limonite and clay sections. Quartz bands are still present as well as minor quartz within the clay sections.				55			limonite, pyrite	Fractures, stringers, veins and disseminated within the host rock.	Clay, Ser		quartz, limonite	Quartz veins with minor clay.
86.23	88.23	2.00	8R162969	Clay Quartz Schist	Light Tan with Rust Orange Patches	Foliated	Medium Grained	Clay, Qtz, Ser	Slight increase in oxidation with and increase in limonite and clay alteration. Possible clay alteration of some silica.				50			limonite, pyrite	Fractures, stringers, veins and disseminated within the host rock.	Clay, Ser			
88.23	89.60	1.37	8R162971	Clay Quartz Schist	Light Tan with Rust Orange Patches	Foliated	Medium Grained	Clay, Qtz, Ser	Oxidation has decreased slightly with less clay and limonite and a slight increase in silica.				70			limonite	Fractures, stringers, veins and disseminated within the host rock.	Clay, Ser		quartz	With limonite.
89.60	91.44	1.84	8R162972	Microgranite	Tan	Bleached	Medium Grained	Qtz, Clay	Alteration has obliterated most of the characteristics of the rock. Spotty feldspar phenocrysts seen now altered to clay. Matrix is primarily compose of clay and quartz. Clay is from the altering of feldspars. Unit is highly fractured with limonite halos.					Dike Upper Contact	120	limonite	Fractures, stringers and disseminated as halos around fractures and stringers.	Clay, clay	Feldspar alteration.		
91.44	93.14	1.70	8R162973	Clay Quartz Schist	Tan	Mottled	Medium Grained	Clay, Qtz, Ser	Alteration has obliterated most of the characteristics of the rock. Intense clay alteration of the mafics that were once present. Minor primary quartz remains. Foliation very random due to contact with the dike. Top 25cm of the sample interval is faulted and composed of mostly clay, limonite and minor fragments. Two small Medium GrainedRAN dikes present.	Microgranite	Tan	Two small dikes from 91.73m to 91.80m and 92.85m to 92.90m.				limonite, hematite	Fractures, stringers and disseminated throughout the host rock.	Clay, Ser		quartz	With minor clay.
93.14	95.14	2.00	8R162974	Clay Schist	Tan	Patchy Foliation	Medium Grained	Clay, Qtz, Chl, Ser	Unit has increased in clay alteration with now minor chlorite alteration of the mafics. Appears that some silica has been altered to clay. Alteration has masked some of the foliation.				125			limonite, hematite	Fractures, stringers and disseminated throughout the host rock.	Clay, Chl, Ser		quartz	
95.14	97.14	2.00	8R162975	Clay Quartz Schist	Tan	Patchy Foliation	Medium Grained	Clay, Qtz, Chl	Similar to 974 with an increase in unaltered quartz.				50			limonite, hematite	Fractures, stringers, veins and disseminated throughout the host rock.	Clay, Chl		quartz, limonite	2 quartz veins with clay.
97.14	98.26	1.12	8R162976	Clay Quartz Schist	Tan	Mottled	Medium Grained	Clay, Qtz	Similar to 976. Chlorite alteration has diminished and is mainly clay alteration with primary quartz. Foliation is masked by alteration and possible brecciation.							limonite, hematite	Fractures, stringers and disseminated throughout the host rock.	Clay		quartz	
98.26	99.35	1.09	8R162977	Microgranite	Tan	Bleached	Medium Grained	Qtz, Clay	Alteration has obliterated most of the characteristics of the rock. 5% 2mm feldspar phenocrysts present now altered to clay. Matrix was composed of quartz, feldspars and minor mafics. Some feldspars and mafics have been altered to chlorite. Limonite is present coating most of the unit.					Dike Upper Contact	70	limonite	Fractures, stringers and disseminated throughout the host rock.	Clay	Alteration of feldspars		
99.35	101.35	2.00	8R162978	Clay Quartz Schist	Tan	Patchy Foliated	Medium Grained	Clay, Qtz, Chl	Alteration has obliterated most of the characteristics of the rock. Strong oxidation and clay alteration persists throughout the unit leaving just primary quartz behind. Mostly the mafics are altered to clay and minor chlorite. Foliation is faint but seen.				165			limonite, hematite	Fractures, stringers and disseminated throughout the host rock.	Clay, Chl			
101.35	103.35	2.00	8R162979	Clay Quartz Schist	Tan	Patchy Foliation	Medium Grained	Clay, Qtz, Chl	Similar to 978.				25			limonite, hematite	Fractures, stringers, veins and disseminated throughout the host rock.	Clay, Chl		quartz	2 with clay and 1 with limonite.
103.35	104.35	1.00	8R162981	Clay Quartz Schist	Tan	Patchy Foliation	Medium Grained	Clay, Qtz, Chl	Similar to 978. Slight decrease in the intensity of oxidation and clay alteration.				15			limonite, , hematite	Fractures, stringers, veins and disseminated throughout the host rock.	Clay, Chl		quartz	Both with clay and limonite.
104.35	105.64	1.29	8R162982	Quartz Clay Schist	Light Tan	Mottled	Medium Grained	Qtz, Clay, Chl	Slight increase in primary quartz with a slight decrease in clay. Unable to see foliation due to alteration and oxidation.							limonite, , hematite	Fractures, stringers and disseminated throughout the host rock	Clay, Chl			
105.64	107.25	1.61	8R162983	Microgranite	Light Tan	Bleached	Medium Grained	Qtz, Clay	Alteration has obliterated most of the characteristics of the rock. 5% 2mm feldspar phenocrysts now altered to clay. Matrix is now mostly quartz and clay. Clay is from the alteration of some feldspars and possible mafics. Oxidation is strongest on the Upper and Lower contacts.					Dike Upper Contact	40	limonite,	Fractures, stringers and disseminated throughout the host rock	Clay, clay	Feldspar alteration		
107.25	109.25	2.00	8R162984	Clay Quartz Schist	Tan	Patchy Foliation	Medium Grained	Clay, Qtz, Chl	Alteration has obliterated most of the characteristics of the unit. Moderate to strong oxidation present with intense clay and minor chlorite alteration of the mafic minerals. Only quartz and patchy foliation remain from the original rock. A small Medium GrainedRAN dike is present within this interval.	Microgranite	Tan	Small Microgranite dike from 108.11m to 108.46m. Similar to the other microgranites encountered above.	145	Dike Upper Contact	160	limonite, hematite	Fractures, stringers, vein and disseminated throughout the host rock	Clay, Chl		quartz	With limonite
109.25	111.25	2.00	8R162985	Quartz Clay Schist	Light Tan	Patchy Foliation	Medium Grained	Qtz, Clay, Chl	Similar to 984. Slight decrease in clay content with a slight increase in silica. A small Medium GrainedRAN dike is present within this interval.	Microgranite	Tan	Small Microgranite dike from 109.98m to 110.18m. Similar to the other microgranites encountered above. Upper contact is brecciated and cradational.		Dike Lower Contact	150	limonite, hematite	Fractures, stringers, vein and disseminated throughout the host rock	Clay, Chl		Clay, quartz	Clay veins are with limonite and minor quartz. Quartz veins are with minor clay.
111.25	112.83	1.58	8R162986	Schist Breccia	Tan/Rust Orange	Mottled	Medium Grained	Clay, Qtz, Chl	Brecciated unit with clasts of schist with some being bleached and clay altered and some clasts being quartz and biotite rich with chlorite altering the biotite. The matrix is a mixture of clay and silica with limonite. Limonite is also present within the bleached clay altered clasts. Minor chlorite within matrix. Clasts range in size from 1cm to 7cm and are subangular in shape.							limonite, pyrite	Fractures, stringers, clasts and matrix.	Clay, Chl	Alteration of the clasts.		
112.83	114.30	1.47	8R162987	Schist Breccia	Light Grey with Light Tan sections	Mottled	Medium Grained	Clay, Qtz, Clay	Similar to 987. Decrease in the amount of bleached clay altered schists clasts and mainly relatively fresh schist clasts. Oxidation has decreased with limonite mainly within the matrix. Small Medium GrainedRAN unit at the end of the interval.	Microgranite	Light Tan	Small microgranite unit from 114.16m to 114.30m.				limonite, pyrite	Fractures, stringers and matrix.	Clay, Chl	Alteration of the clasts.		
114.30	115.48	1.18	8R162988	Clay Biotite Schist	Grey to Light Grey	Foliated	Medium Grained	Clay, Bio, Qtz, Ser	Unit has stepped out of the oxidation zone. Strong clay alteration present of biokite and possible quartz and feldspars. Primary biotite and quartz remains. Foliation visible. Minor sericite and spotty chlorite present.				50			pyrite, chalcopyrite	Stringers and veins.	Clay, Ser		pyrite, quartz	Pyrite veins with clay. Quartz vein with clay.
115.48	117.00	1.52	8R162989	Clay Quartz Schist	Light Grey	Foliated	Medium Grained	Clay, Qtz, Ser, Chl	Unit has become broken and more quartz rich. Intense clay alteration of the mafics present as well as minor sericite and chlorite.				40			pyrite	Stringers and veins.	Clay, Ser, Chl		quartz, pyrite	
117.00	117.83	0.83	8R162991	Microgranite	White with Light Tan sections	Bleached	Medium Grained	Qtz, Clay, Ser, Fspar	Unit is highly fractures and broken. Feldspars have been mostly altered to clay and sericite only minor amount of feldspars remain. Primary quartz remains.					Dike Upper Contact	85	pyrite	Stringers	Clay, Ser		quartz	Along upper and lower contacts.
117.83	119.33	1.50	8R162992	Biotite Clay Schist	Brown/Purple	Foliated	Medium Grained	Bio, Clay, Qtz, Fspar	Unit is moderately altered. Clay alteration of most feldspars and minor biotite present. Primary quartz bands remain along with most the biotite.				160			pyrite, chalcopyrite	Disseminated, stringers and veins.	Clay, Clay	Feldspar alteration.	quartz	With chlorite and pyrite.

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Logged By: Wade Barnes
Zone: Nucleus

Samples				Lithology									STRUCTURE			Mineralization		Alteration		Vein	
from	to	length	sample #	rock1 name	colour1	texture1 old	grainsize1 (mm)	Lith1_mineralogy	Lith_description	rock2 name	colour2	Lith_description2	foliation CA	Struct_type1	Struct_CA1	Mineralization	Mineral texture	Alteration Suite	alt_description	Vein mineralogy	Vein_comments
47.10	49.10	2.00	BR162942	Quartz Schist	Tan/Light Orange	Patchy Bleached	Medium Grained	Qtz, Clay, Bio	Unit has become slightly bleached and becomes more bleached down the hole. Siliceousness increases down the hole. Moderate to intense silica replacement of the biotite. Minor clay alteration of some biotite. Minor biotite remains at the start of the interval. Fracturing has increased.				160			limonite	Fractures, stringers and coating over the foliation.	Qtz, Clay			
49.10	50.23	1.13	BR162943	Quartz Schist	Tan/Light Orange	Bleached	Medium Grained	Qtz, Clay	*Unit has become mostly silliceous with minor clay alteration present. Clay is present within the mafic bands.*				160			limonite	Fractures, stringers, veins and coating over the foliation.	Qtz, Clay		limonite	*With* quartz and vuggy.
50.23	51.45	1.22	BR162944	Quartz Schist	Tan/Light Orange	Bleached	Medium Grained	Qtz, Clay	Similar to 943.				45			limonite	Fractures, stringers and coating over the foliation.	Qtz, Clay			
51.45	53.45	2.00	BR162945	Microgranite	White with Patchy Tan	Bleached	Medium Grained	Qtz, Fspar, Clay	Typical microgranite with 5% feldspar phenocrysts 1-2mm in size with most clay altered. 1mm quartz wisps present. Matrix is mostly quartz with minor feldspar and clay altered feldspars. Minor feldspars are replaced by silica.					Dike Upper Contact	70	limonite	Fractures and stringers.	Clay, Qtz		quartz	with sericite and lim.
53.45	54.56	1.11	BR162946	Microgranite	White with Patchy Tan	Bleached	Medium Grained	Qtz, Fspar, Clay	Similar to 945.					Dike Lower Contact	55	limonite	Fractures and stringers.	Clay, Qtz			
54.56	56.56	2.00	BR162947	Quartz Schist	White with Patchy Tan	Bleached	Medium Grained	Qtz, Clay, Ser	Alteration has obliterated most of the characteristics of the rock. Unit is mostly silicified with minor clay and sericite/muscovite alteration of some mafics. Silica has replaced most mafics. Upper contact with the dike above is clay and gouge fault for 20cm. Unable to determine the foliation due to alteration.							limonite, pyrite	Fractures, stringers, veins and patchy coating on the host rock.	Qtz, Ser		quartz	
56.56	58.56	2.00	BR162948	Quartz Schist	White with Patchy Tan	Bleached	Medium Grained	Qtz, Clay, Ser	Similar to 947, but with less silica replacement and more clay and sericite/muscovite alteration of possible mafics.				165			limonite	Fractures, stringers, veins and patchy coating on the host rock and within foliation boundaries.	Qtz, Clay, Ser		quartz	Vuggy with limonite
58.56	60.33	1.77	BR162949	Quartz Schist	White with Patchy Tan	Bleached	Medium Grained	Qtz, Clay, Ser	Similar to 948. Small microgranite unit present.	Microgranite	With with Patchy Tan	Small unit from 58.63m to 58.76m. Unit contains 5% 2mm feldpsar phenocrysts altered to clay. Matrix is mostly composed of quartz with lesser clay after feldspar. Matrix is crystalline.	170	Upper Dike Contact	140	limonite	Fractures, stringers, veins and patchy coating on the host rock and within foliation boundaries.	Qtz, Clay, Ser		quartz	
60.33	62.33	2.00	BR162951	Microgranite	White with Patchy Tan	Bleached	Medium Grained	Qtz, Clay, Fspar	Unit is partially silicified causing the bleached look. 7% 2mm feldspar phenocrysts with some partially and fully altered to clay. Linear quartz grains present. Minor silica replacement of the feldspars within the matrix. Some feldspars altered to clay within the matrix. Upper contact looks gradational due to bleaching.							limonite	Fractures, stringers, veins and patchy coating of the host rock.	Clay, Qtz		quartz, Clay	Clay vein with quartz and vuggy.
62.33	64.33	2.00	BR162952	Microgranite	White with Patchy Tan	Bleached	Medium Grained	Qtz, Clay, Fspar	Unit has increased in oxidation with patchy pervasive limonite sections and minor hematite sections. Most of the feldspars within the matrix or phenos have been altered to clay and some clay then replaced by limonite and coated with hematite.							limonite, hematite	Fractures, stringers and patchy pervasiveness.	Clay			
64.33	65.53	1.20	BR162953	Microgranite	White with Patchy Tan	Bleached	Medium Grained	Qtz, Clay, Fspar	Unit has become less oxidized with patchy limonite on the host rock. Clay alteration still prevelant over the feldspars within the matrix and phenos.					Lower Dike Contact	45	limonite, hematite	Fractures, stringers, veins and patchy coating of the host rock.	Clay		limonite	Vuggy
65.53	66.94	1.41	BR162954	Clay Quartz Schist	Light Tan	Bleached	Medium Grained	Clay, Qtz, Ser	Alteration has obliterated most of the characteristics of the rock. Intense clay alteration and minor sericite/muscovite alteration of the biotite within this unit. Primary quartz bands remain. Small Medium GrainedRAN unit present at the start of the unit.	Microgranite	Rust Orange	Small Medium GrainedRAN unit from 65.73m to 65.81m. Intensly oxidized matrix with feldspar phenocrysts.	60	Upper Dike Contact	100	limonite	Fractures, stringers and disseminated within the matrix.	Clay, Ser		quartz	With minor clay.
66.94	68.16	1.22	BR162955	Clay Quartz Schist	Light Tan to Rust Orange	Foliated	Medium Grained	Clay, Qtz, Ser	Similar to 954, but but with a strong increase in oxidatio. Nearly pervasive limonite throughout the matrix. Limonite is mainly associated with the clay altered mafics. Minor quartz remains with some having a limonite stain.				120			limonite, hematite	Fractures, stringers, veins and pervasive through the host rock.	Clay, Ser		quartz, clay	
68.16	70.16	2.00	BR162956	Microgranite	Light Tan	Bleached	Medium Grained	Qtz, Clay, Fspar, Ser	*Alteration has obliterated most of the* characteristics of the rock. Unit contains 5% 2mm feldspar phenocrysts with most altered to clay. Matrix is crystalline with mostly quartz and clay. Clay alteration is from altering the feldspars. Minor possible sericite present.					Upper Dike Contact	140	limonite	Fractures, stringers, veins and disseminated within the matrix	Clay, Ser, clay		quartz, limonite	
70.16	71.22	1.06	BR162957	Microgranite	Light Tan	Bleached	Medium Grained	Qtz, Clay, Fspar	Similar to 956. Small microgranite breccia from 70.03m to 70.42m.					Dike Lower Contact	55	limonite	Fractures, stringers, veins and disseminated within the matrix	Clay, Ser, clay		quartz	Vuggy with limonite
71.22	72.09	0.87	BR162958	Clay Quartz Schist	Light Tan	Bleached	Medium Grained	Clay, Qtz, Ser	Alteration has obliterated most of the characteristics of the rock.Strong clay alteration of most of the mafics leaving no mafics behind. Primary quartz bands remain. Faint foliation still present. Minor sericite of some mafics present. Small Medium GrainedRAN dike present.	Microgranite	Light Tan	Small Medium GrainedRAN unit from 71.28m to 71.30m. Unit is silliceous with clay altered feldspar phenocrysts.	75			limonite	Fractures, stringers, veins and disseminated within the matrix	Clay, Ser		quartz	Two with minor clay.
72.09	72.93	0.84	BR162959	Microgranite	White with Light Tan Patches	Bleached	Medium Grained	Qtz, Clay, Fspar	Unit contains 5% 2mm feldspar phenocrysts with most altered to clay. Matrix is mostly composed of quartz with minor clay altered felspars and quartz replaced feldspars. Minor feldspars remain.					Dike Upper Contact	100	limonite	Fractures, stringers.	Qtz, clay			
72.93	73.52	0.59	BR162961	Clay Quartz Schist	Light Tan	Bleached	Medium Grained	Clay, Qtz	Alteration has obliterated most of the characteristics of the rock. Most of the mafics have been altered to clay with spotty sericite/muscovite. Primary quartz remains. Faint foliation is seen. Minor quartz replacement of some possible mafics.				70			limonite, pyrite	Fractures, stringers, veins and disseminated within the host rock.	Clay, Qtz		limonite, quartz	Lim vein is vuggy and with quartz.
73.52	74.67	1.15	BR162962	Microgranite	Light Grey with Tan Patches	Bleached	Very Fine	Qtz, Fspar, Clay	Unit contains 6% 1-3mm feldspar phenocrysts with some altered to clay. Matrix is very fine grained, almost aphanitic. Matrix is mostly composed of silica with minor feldspars. Most feldspars have been replaced by silica and spot feldspars have been altered to clay. Top contact is brecciated.					Dike Upper Contact	145	limonite	Fractures, stringers, veins and disseminated and patchy over the host rock.	Qtz, Clay		quartz	
74.67	76.67	2.00	BR162963	Clay Quartz Schist	Light Tan	Bleached	Medium Grained	Clay, Qtz, Chl, Ser	Alteration has obliterated most of the characteristics of the rock. Unit was once a biotite quartz schist. Biotite has been replaced by clay (kaolinite/dickite?) and minor chlorite and sericite. Quartz bands remain. Foliation still preserved. Small Medium GrainedRAN dike present.	Microgranite	Light Tan	Small microgranite dike from 75.62m to 75.71m. Contains 5% 2mm feldspar phenocrysts altered to clay. Matrix mostly composed of silica and minor feldspar.	60			limonite	Fractures, stringers, veins and disseminated and patchy disseminated within the host rock.	Clay, Chl, Ser		limonite	
76.67	78.70	2.03	BR162964	Quartz Clay Schist	Tan/Light Orange	Bleached	Medium Grained	Qtz, Clay, Ser	Unit has slightly changed with an increase in quartz and a decrease in clay. Possible silica replacements of some clays.				60			limonite	Fractures, stringers, veins and disseminated and patchy disseminated within the host rock.	Clay, Ser, Qtz		quartz	With minor limonite
78.70	80.70	2.00	BR162965	Clay Schist	Rust Orange	Foliated	Medium Grained	Clay, Qtz, Ser	Unit has become intensly oxidized with near pervasive limonite and clay. Minor quartz bands and quartz with in clay sections remains. Some silica may have been altered to clay.				55			limonite, hematite	Fractures, stringers, veins and near pervasive through the host rock.	Clay, Ser		quartz, limonite	Quartz vein clay.

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Samples				Lithology										STRUCTURE			Mineralization		Alteration		Vein	
from	to	length	sample #	rock1 name	colour1	texture1 old	grainsize1 (mm)	Lith1_mineralogy	Lith_description1	rock2 name	colour2	Lith_description2	foliation CA	Struct_type1	Struct_CA1	Mineralization	Mineral texture	Alteration Suite	alt_description	Vein mineralogy	Vein_comments
0	2.57	2.57		Overburden																	
2.57	4.57	2.00	8R162914	Clay Biotite Schist	Light and Dark Grey Bands and Rust Orange	Foliated	Medium Grained	Clay, Bio, Qtz	Unit is moderately to highly altered. Possible feldspars and quartz are mostly altered to clay. Minor quartz remains. Primary biotite present with some clay altered and spotty chlorite altered. Interval is fairly broken.				25			limonite, hematite	Fractures, stringers and patchy over the host rock.	Clay, Chl			
4.57	6.57	2.00	8R162915	Clay Biotite Schist	Light and Dark Grey Bands and Rust Orange	Foliated	Medium Grained	Clay, Bio, Qtz	Unit is slighty less altered than before. Strong clay alteration of some quartz and possible feldspars still present. More quartz is present as well as biotite. Limonite coating mostly on the more mafic bands.				150			limonite, hematite	Fractures, stringers, vein and patchy over the host rock.	Clay		quartz	Vuggy with limonite.
6.57	8.57	2.00	8R162916	Quartz Biotite Schist	Light and Dark Grey Bands and Rust Orange	Foliated	Medium Grained	Qtz, Bio, Clay, Fspar	Alteration has decreased and unit looks more fresh. Unit is mostly made of quartz and biotite. Minor clay alteration of some quartz, possible feldspars and biotite.				160			limonite, hematite	Fractures, stringers, vein and patchy over the host rock.	Clay		limonite	With minor clay
8.57	10.57	2.00	8R162917	Biotite Schist	Dark Grey	Foliated	Medium Grained	Bio, Qtz, Chl, Clay	Unit has slighty changed in composition with more biotite now present. Minor quartz still present. Less felsic quartz bands. Possible feldspars present. Minor chlorite and clay alteration of the possible feldspars, quartz and biotite.				20			limonite, hematite, pyrite	Fractures, stringers, vein and patchy over the host rock.	Clay, Chl		limonite	
10.57	12.57	2.00	8R162918	Biotite Schist	Dark Grey	Foliated	Medium Grained	Bio, Qtz, Clay, Fspar	Unit has slighty decreased in biotite with an increase in clay alteration of some biotite, possib le feldspars and quartz. Slighthy more quartz present. Felsic quartz bands are increasing down the interval. Strong oxide interval from 11.70m to 12.00m.				160			limonite, hematite	Fractures, stringers, vein and patchy over the host rock.	Clay		limonite	Some with clay
12.57	13.72	1.15	8R162919	Quartz Biotite Schist	Dark Grey and Light Grey Bands	Foliated	Medium Grained	Qtz, Bio, Clay, Fspar	Unit now is more composed of quartz with lesser biotite. Moderate clay alteration of some biotite, silica and possible feldspars. Spotty biotite replaced by silica. Trace of pyrite disseminated within the host rock.				20			limonite, hematite, pyrite	Fractures, stringers, vein and patchy over the host rock.	Clay		limonite	
13.72	14.88	1.16	8R162921	Quartz Clay Schist	Dark Grey and Light Grey Bands with a patchy Rust Orange coating	Foliated	Medium Grained	Qtz, Clay, Bio, Fspar	Unit has increased in clay alteration of some biotite, quartz and possible feldspars. Oxidation has increased. Core has become more fractured and broken.				160			limonite, hematite	Fractures, stringers, veins and patchy over the host rock.	Clay		limonite	
14.88	16.23	1.35	8R162922	Quartz Schist	White with Rust Orange Patches	Bleached	Medium Grained	Qtz, Clay, Fspar	Unit is bleached and silicified due to a small Medium GrainedRAN dike within this interval. The mafics have either been silicified or altered to clay. Most of the feldspars have been altered to clay	Microgranite	White	Microgranite from 15.03m to 15.48m. Unit is broken and contains linear quartz grains. Unit is mostly composed of quartz with lesser feldspars.		Dike Upper and Lower Contact	35	limonite	Fractures, stringers and patchy over the host rock.	Qtz, clay			
16.23	17.75	1.52	8R162923	Quartz Schist	Light Grey	Patchy Bleached	Medium Grained	Qtz, Clay, Bio, Chl	Unit is highly silicified with most of the biotite and possible feldspars replaced by silica. Minor clay alteration of some feldspars present. Minor chlorite alteration present.				150			limonite, pyrite	Fractures, stringers, veins and patchy over the host rock.	Qtz, Clay		limonite	
17.75	19.81	2.06	8R162924	Quartz Clay Schist	Light Grey and Dark Grey Bands	Foliated	Medium Grained	Qtz, Clay, Bio, Fspar	Unit has become less bleached. Less mafics present with some altered to clay and some silicified. Most of the feldspars have been altered to clay with some being silicified.				40			limonite, pyrite	Fractures, stringers, veins and patchy over the host rock.	Qtz, Clay	Weak clay alteration of the felsic minerals.		
19.81	21.68	1.87	8R162925	Quartz Schist	White with Rust Orange Patches	Bleached	Medium Grained	Qtz, Clay, Fspar	Unit contains one PPFX dike and two Medium GrainedRAN dikes explaining the bleachness and siliceousness. Unit is highly fractured. Minor clay alteration present. PPFX unit is 5cm at the start of the interval within a broken section of the core so no contacts can be determined.	Microgranite	White	Two Microgranites one from 21.61m to 21.94m and the other from 21.44m to 21.54m. The first is moderately clay altered after theb feldspars. The second one is quite silicecus. Both contain linear quartz grains.	Dike Upper and Lower Contact	Dike Upper and Lower Contact	80	limonite	Fractures, stringers and patchy over the host rock.	Qtz, clay, Clay, otz			
21.68	22.98	1.30	8R162926	Clay Quartz Schist	Grey with Rust Orange Patches	Foliated	Medium Grained	Qtz, Clay, Bio, Fspar	Unit is highly altered with clay and remant quartz. Minor Biotite and feldspars remain. Mostly feldspars and biotite are altered to clay. Interval is highly fractured and oxidized. Foliation at the start of the interval is 80 deg tca and decreases to 45 deg tca.							limonite	Fractures, stringers, veins and patchy over the host rock.	Clay		limonite	
22.98	24.79	1.81	8R162927	Quartz Biotite Schist	Dark Grey and Light Grey Bands with a patchy Rust Orange coating	Foliated	Medium Grained	Qtz, Bio, Clay, Chl	Foliation is not as defined with perfect mafic and felsic bands. Spotted foliation. Some biotite has been replaced by silica and some have been altered to clay and chlorite. Possible feldspars have been altered to clay.				40			limonite	Fractures, stringers, veins and patchy over the host rock.	Clay	Weak mafic altered to chlorite.	limonite	
24.79	25.91	1.12	8R162928	Clay Quartz Schist	Rust Orange	Patchy Foliated	Medium Grained	Clay, Qtz	Alteration has obliterated most of the characteristics of the rock. Intense clay alteration of most mafics and some felsics giving a partial bleach look with a limonite coating. Quartz remains from the host rock.				110			limonite	Fractures, stringers and pervasive over the host rock.	Clay			
25.91	27.91	2.00	8R162929	Quartz Clay Schist	White	Bleached	Medium Grained	Clay, Qtz	Alteration has obliterated most of the characteristics of the rock. Und is bleached from clay and silica alteration. Minor limonite on fractures. Foliation still present.				40			limonite	Fractures	Clay, Qtz			
27.91	29.48	1.57	8R162931	Quartz Clay Schist	White	Bleached	Medium Grained	Clay, Qtz	Similar to 929.				45			limonite	Fractures	Clay, Qtz			
29.48	31.66	2.18	8R162932	Schist Breccia	White	Bleached	Medium Grained	Qtz, Clay	Unit is composed of schist clasts ranging in size from 1mm to 3cm and are subangular in shape. Most of the clasts are clay altered and contain minor mineralization. Matrix is mostly composed of silica with minor clay. Minor vuggy texture. Upper and lower contacts are gradational.							limonite, pyrite, chalcopyrite	Fractures, stringers and open space filling.	Clay, Qtz		limonite	With clay.
31.66	33.71	2.05	8R162933	Clay Quartz Schist	White	Bleached	Medium Grained	Clay, Qtz, Chl, Bio	Unit is highly altered with near pervasive clay alteration. And lesser quartz. Down the hole bleaching decreases and the rock starts getting fresher. Minor chlorite alteration of the biotite present. Minor biotite present towards the bottom of the interval. Foliation increases from 15 deg tca to 30 deg tca down the hole.				30			limonite	Fractures, stringers, veins and patchy coating of the host rock.	Clay, Chl		Clay	With limonite
33.71	35.71	2.00	8R162934	Clay Quartz Schist	Grey/Orange	Foliated	Medium Grained	Clay, Qtz, Bio, Chl	Clay alteration still dominates. A lot of felsic and some mafic minerals are altered to clay. Minor biotite has been altered to chlorite. Minor remnant biotite and quartz present. Foliation can be identified.				170			limonite, pyrite	Fractures, stringers, veins and patchy coating of the host rock.	Clay, Chl		limonite	
35.71	37.71	2.00	8R162935	Clay Biotite Schist	Dark Grey/Orange	Foliated	Medium Grained	Clay, Bio, Qtz, Chl	Clay alteration dominates this interval. Looks to be a Biotite Quartz Schist previously. Some of the biotite has been altered to clay and chlorite. Possible feldspars and most quartz has been altered to clay.				10			limonite	Fractures, stringers, veins and patchy coating of the host rock.	Clay, Chl		limonite	
37.71	39.90	2.19	8R162936	Clay Biotite Schist	Dark Grey/Orange	Foliated	Medium Grained	Clay, Bio, Qtz, Chl	Similar to 935. Slight increase in clay alteration with a slight decrease in biotite. Bleached section from 38.10m to 38.80m with stronge oxidation.				170			limonite	Fractures, stringers, veins and patchy coating of the host rock.	Clay, Chl		limonite	
39.90	41.90	2.00	8R162937	Clay Schist	Dark Grey/Orange	Patchy Foliation	Medium Grained	Clay, Bio, Qtz	Unit is very broken, especially along the foliation. Unit contains minor faults that may have allowed the severe weathering and oxidation of the rock. Intense clay alteration of most felsics and mafics.				15			limonite	Fractures, stringers and patchy along the foliations.	Clay			
41.90	43.75	1.85	8R162938	Clay Schist	Dark Grey/Orange	Patchy Foliation	Medium Grained	Clay, Qtz, Bio	Similar to 937. Slighlty more broken with rubbly section. Slight increase in quartz material with a decrease in biotite.				10			limonite	Fractures, stringers and patchy along the foliations.	Clay			
43.75	45.75	2.00	8R162939	Quartz Clay Schist	Dark Grey with Light Grey Bands	Foliated	Medium Grained	Qtz, Clay, Bio	Unit was once a Biotite Quartz Schist. Strong clay alteration of the biotite present. Primary quartz remains with minor biotite. Spotty chlorite present. Felsic bands are smaller than the mafic bands.				30			limonite, pyrite	Fractures, stringers, veins and patchy over the foliation.	Clay		limonite	
45.75	47.10	1.35	8R162941	Quartz Clay Schist	Dark Grey with Light Grey Bands	Foliated	Medium Grained	Qtz, Clay, Bio, Chl	Unit is similar to 939, but with a slight increase in quartz and a decrease in clay alteration. Felsic bands have increased. Possible hornblendes once present now altered chlorite and clay.				10			limonite, pyrite	Fractures, stringers, veins and minor limonite on some mafic bands.	Clay, Chl		limonite	

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Vein Log

Depth From (m)	Depth To (m)	Texture	Description	CA		Beta angle	Strike (RHR)	Dip	Selv width (mm)		Selvage comp	Min 1	Min 1 %	Min 2	Min 2 %	Min 3	Min 3 %	Min 4	Min 4 %	Gangue 1	Gangue 1 %	Gangue 2	Gangue 2 %	Gangue 3	Gangue 3 %	Gangue 4	Gangue 4 %	Voids	
293.645	293.650	patchy	1% of total interval									pyrite	15							quartz	65	biotite	20						
293.65	293.990	patchy	1% of total interval									pyrite	90							quartz	10								
293.99	293.992	massive	banded	25								pyrite	5	pyroxene	1					quartz	70	carbonate	20	ankherite	4				
293.992	297.070	patchy	1% of total interval									pyrite	90							quartz	10								
297.07	297.200	patchy/massive	5% of total interval. Stringers are all at ~ the same CA.	30								pyrite	5	sulphides	5					quartz	30	clay	50	chlorite	10				
297.2	299.680	patchy	5% of total interval. 1% epidote as well. Not in every stringer.									pyrite	10							quartz	20	clay	50	biotite	3	chlorite	17		
299.68	299.886	massive	patchy, chlorite and/or epidote? 1% carbonate	30								pyrite	5	pyroxene	5					quartz	45	biotite	15	chlorite	15	epidote	15		
299.886	305.670	patchy	5% of total interval. 1% epidote as well. Not in every stringer.									pyrite	10							quartz	20	clay	50	biotite	3	chlorite	17		
305.67	305.679	patchy	slightly braided, irregular, chlorite and/or epidote?	20								pyroxene	4	pyrite	1					quartz	60	chlorite	15	epidote	15	carbonate	5		
305.679	306.220	patchy	5% of total interval. 1% epidote as well. Not in every stringer.									pyrite	10							quartz	20	clay	50	biotite	3	chlorite	17		
306.22	306.222	massive		55																quartz	97	carbonate	3						
306.222	306.780	patchy	5% of total interval. 1% epidote as well. Not in every stringer.									pyrite	10							quartz	20	clay	50	biotite	3	chlorite	17		
306.78	306.782	braided	chlorite/epidote?	20																quartz	50	chlorite	20	epidote	20	biotite	10		
306.782	307.610	patchy	5% of total interval. 1% epidote as well. Not in every stringer.									pyrite	10							quartz	20	clay	50	biotite	3	chlorite	17		
307.61	307.613	massive	chlorite/epidote?	30																quartz	50	chlorite	25	epidote	25				
307.613	308.070	patchy	5% of total interval. 1% epidote as well. Not in every stringer.									pyrite	10							quartz	20	clay	50	biotite	3	chlorite	17		

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Vein Log

Depth From (m)	Depth To (m)	Texture	Description	CA	Beta angle	Strike (RHR)	Dip	Selv width (mm)	Selvage comp	Min 1	Min 1 %	Min 2	Min 2 %	Min 3	Min 3 %	Min 4	Min 4 %	Gangue 1	Gangue 1 %	Gangue 2	Gangue 2 %	Gangue 3	Gangue 3 %	Gangue 4	Gangue 4 %	Voids
238.32	238.323	patchy		40	40	30	83			pyrite	30							quartz	70							
238.323	241.300	massive/patchy	1% of total interval. A few veins have pyrhotite.							pyrite	90	quartz	10													
241.3	241.302	patchy	no well formed crystals. hydrothermal?	50	110	62	43			pyrite	10							quartz	90							
241.302	241.610	massive/patchy	1% of total interval. A few veins have pyrhotite.							pyrite	90	quartz	10													
241.61	241.612	open	minor pinch and swell.	50	340	347	79			pyrite	10							calcite	85	ankherite	5					
241.612	241.950	massive/patchy	1% of total interval. A few veins have pyrhotite.							pyrite	90	quartz	10													
241.95	241.952	patchy	open	40	0	360	90			pyrite	15							quartz	55	calcite	25	ankherite	5			
241.952	242.410	massive/patchy	1% of total interval. A few veins have pyrhotite.							pyrite	90	quartz	10													
242.41	242.414	massive	fractured along vein	40	40	30	83			pyrite	60							calcite	25	quartz	15					
242.414	244.230	massive/patchy	1% of total interval. A few veins have pyrhotite.							pyrite	90	quartz	10													
244.23	244.232	braided	patchy	10						pyrite	15							calcite	85							
244.232	244.540	massive/patchy	1% of total interval. A few veins have pyrhotite.							pyrite	90	quartz	10													
244.54	244.543	open	minor pinch and swell.	20														calcite	90	ankherite	10					
244.543	247.340	massive/patchy	1% of total interval. A few veins have pyrhotite.							pyrite	90	quartz	10													
247.34	247.343	braided		30	280	297	73			pyrite	5							calcite	65	quartz	30					
247.343	247.890	massive/patchy	1% of total interval. A few veins have pyrhotite.							pyrite	90	quartz	10													
247.89	250.350	leached	1% of total interval.							clay	30	quartz	50													20
250.350	250.770	massive/patchy	1% of total interval. All are about 1mm in width.	40						pyrite	70	quartz	30													
250.77	250.774	patchy		45						pyrite	23	chalcopyrite	3					quartz	75							
250.774	251.460	massive/patchy	1% of total interval. All are about 1mm in width.	40						pyrite	70	quartz	30													
251.46	251.462	patchy		40				3	iron stain	pyroxene	40	chalcopyrite	0	hematite	0			quartz	60							
251.462	251.720	massive/patchy	1% of total interval. All are about 1mm in width.	40						pyrite	70	quartz	30													
251.72	251.723	patchy	fractured	40						pyroxene	20	hematite	0					quartz	80							
251.723	251.760	massive/patchy	1% of total interval. All are about 1mm in width.	40						pyrite	70	quartz	30													
251.76	251.762	patchy	fractured	40						pyroxene	20							quartz	80							
251.762	251.980	massive/patchy	1% of total interval. All are about 1mm in width.	40						pyrite	70	quartz	30													
254.98	251.982	massive	fractured	45						pyrite	75	chalcopyrite	2					quartz	23							
251.982	253.300	massive/patchy	1% of total interval. All are about 1mm in width.	40						pyrite	70	quartz	30													
253.3	253.302	patchy		45	30	20	81			pyrite	10	pyroxene	5					quartz	50	calcite	35					
253.302	253.430	massive/patchy	1% of total interval. All are about 1mm in width.	40						pyrite	70	quartz	30													
253.43	253.434	patchy		10	70	248	85			arsenopyrite	65	pyrite	4	chalcopyrite	1			quartz	30							
253.434	253.660	massive/patchy	1% of total interval. All are about 1mm in width.	40						pyrite	70	quartz	30													
253.660	254.290	massive/patchy	1% of total interval.	50						sulphides	67	quartz	30	limonite	3											
254.29	254.292	patchy	Slightly braided	30														clay	85	chlorite	15					
254.292	254.360	massive/patchy	1% of total interval.	50						sulphides	67	quartz	30	limonite	3											
254.36	254.362	massive	slightly banded and fractured.	30						pyroxene	5							calcite	75	quartz	20					
254.362	255.180	massive/patchy	1% of total interval.	50						sulphides	67	quartz	30	limonite	3											
255.18	255.182	banded		50						pyrite	5							calcite	95							
255.182	255.610	massive/patchy	1% of total interval.	50						sulphides	67	quartz	30	limonite	3											
255.61	255.612	patchy		40						pyrite	33	chalcopyrite	2					calcite	45	quartz	20					
255.612	255.860	massive/patchy	1% of total interval.	50						sulphides	67	quartz	30	limonite	3											
255.86	255.862	braided		40						pyrite	10							quartz	55	calcite	35					
255.862	256.280	massive/patchy	1% of total interval.	50						sulphides	67	quartz	30	limonite	3											
256.28	256.282	open	patchy	50						pyrite	15							quartz	75	clay	10					
256.282	256.350	massive/patchy	1% of total interval.	50						sulphides	67	quartz	30	limonite	3											
256.35	256.353	open	patchy	50						pyrite	10							quartz	85	clay	5					
256.353	256.400	massive/patchy	1% of total interval.	50						sulphides	67	quartz	30	limonite	3											
256.4	258.300	massive/patchy	1% of total interval. Stringers							sulphides	70	quartz	30													
258.3	258.302	massive	along alteration contact	10						pyrite	90							quartz	10							
258.302	258.900	massive/patchy	1% of total interval. Stringers							sulphides	70	quartz	30													
258.9	258.902	massive	along alteration contact	10						pyrite	100															
258.902	259.060	massive/patchy	1% of total interval. Stringers							sulphides	70	quartz	30													
259.06	259.062	open	slightly banded	30						pyrite	10							calcite	90							
259.062	259.440	massive/patchy	1% of total interval. Stringers							sulphides	70	quartz	30													
259.44	259.442	massive		10						pyrite	10	pyroxene	5					quartz	85							
259.442	260.250	massive/patchy	1% of total interval. Stringers							sulphides	70	quartz	30													
260.25	260.252	massive	parallel to vein at 260.30	30						pyrite	10							quartz	80	clay	10					
260.252	260.300	massive/patchy	1% of total interval. Stringers							sulphides	70	quartz	30													
260.3	260.302	massive		30						pyrite	10							quartz	80	clay	10					
260.302	262.050	massive/patchy	1% of total interval. Stringers							sulphides	70	quartz	30													
262.05	262.052	massive		50														quartz	90	calcite	10					
262.052	262.250	massive/patchy	1% of total interval. Stringers							sulphides	70	quartz	30													
262.25	262.310	massive/patchy	5% of total interval.							sulphides	60	quartz	10	clay	30											
262.31	262.312	patchy		50						pyroxene	20							quartz	40	calcite	40					
262.312	264.260	massive/patchy	5% of total interval.							sulphides	60	quartz	10	clay	30											
264.26	264.263	massive		10						sulphides	5							quartz	50	clay	45					
264.263	264.790	massive/patchy	5% of total interval.							sulphides	60	quartz	10	clay	30											
264.79	268.050	patchy	1% of total interval							sulphides	90	quartz	10													
268.05	268.730	massive	5% of total interval.							sulphides	90	quartz	10													
268.73	271.000	massive/patchy	1% of total interval							sulphides	90	quartz	10													
271	271.002	massive		30						pyrite	80							clay	20							
271.002	272.600	massive/patchy	1% of total interval							sulphides	90	quartz	10													
272.6	273.560	patchy	1% of total interval							pyrite	60							quartz	40							
273.56	273.562	pinch and swell	patchy	30						pyrite	65							quartz	35							
273.562	274.100	patchy	1% of total interval							pyrite	60							quartz	40							
274.1	274.103	massive	patchy	20						pyrite	75							quartz	10	clay	10	carbonate	5			
274.103	275.620	patchy	1% of total interval							pyrite	60							quartz	40							
275.62	275.626	banded		70						pyrite	10							quartz	45	ankherite	30	clay	10	carbonate	5	
275.626	276.690	patchy	1% of total interval							pyrite	60							quartz	40							
276.69	276.850	patchy	1% of total interval															quartz	90	biotite	10					
276.85	277.170	patchy	1% of total interval. Not all have pyrite. ~50% of thematite do not.							pyrite	20							quartz	70	carbonate	10					
277.17	277.172	massive		55														quartz	80	carbonate	20					
277.172	277.610	patchy	1% of total interval. Not all have pyrite. ~50% of thematite do not.							pyrite	20							quartz	70	carbonate	10					
277.61	277.626	open		40				0.5	ankherite?									quartz	80	carbonate	20					
277.626	277.770	patchy	1% of total interval. Not all have pyrite. ~50% of thematite do not.							pyrite	20							quartz	70	carbonate	10					
277.77	277.772	massive		55														quartz	75	carbonate	20	ankherite	5			
277.772	278.370	patchy	1% of total interval. Not all have pyrite. ~50% of thematite do not.							pyrite	20							quartz	70	carbonate	10					
278.37	278.372	massive	minor braiding	35														quartz	92	carbonate	5	ankherite	3			
278.372	279.510	patchy	1% of total interval. Not all have pyrite. ~50% of thematite do not.							pyrite	20							quartz	70	carbonate	10					
279.51	279.513	banded	massive	55														quartz	85	carbonate	10	chlorite	5			
279.513	281.290	patchy	1% of total interval. Not all have pyrite. ~50% of thematite do not.							pyrite	20							quartz	70	carbonate	10					
281.29	282.510	patchy	0.1% of total interval.															quartz	60	biotite	40					
282.51	282.720	patchy	0.01% of total interval. biotite veis throughout as well.							pyrite	60	sulphides	10					quartz	30							
282.72	282.722	patchy	slightly magnetic	20						arsenopyrite	40	pyrite	30	chalcopyrite	0.1	sulphides	30									
282.722	283.200	patchy	0.01% of total interval. biotite veis throughout as well.							pyrite	60	sulphides	10					quartz	30							
283.2	283.211	massive		40						pyrite	1	pyroxene	1					quartz	77	carbonate	20	chlorite	1			
283.211	284.980	patchy	0.01% of total interval. biotite veis throughout as well.							pyrite	60	sulphides	10					quartz	30							
284.98	286.200	patchy	0.1% of total interval. Minerals in mineralization are not all in every stringer.							pyrite	20	sulphides	10	pyrhotite	0			quartz	70							
286.2	286.202	massive		55														quartz	92	carbonate	5	ankherite	3			
286.202	286.330	patchy	0.1% of total interval. Minerals in mineralization are not all in every stringer.							pyrite	20	sulphides	10	pyrhotite	0			quartz	70							
286.33	286.332	massive		35														quartz	60	carbonate	20					
286.332	289.130	patchy	0.1% of total interval. Minerals in mineralization are not all in every stringer.							pyrite	20	sulphides	10	pyrhotite	0			quartz	70							
289.13	289.44	patchy	0.01% of total interval. Some veins have carbonate~10% and quartz~90%.							pyrite	1							quartz	99							
289.44	289.451	brecciated	pinch and swell, massive, 30% schist clasts	80														quartz	80	carbonate	20					
289.451	291.150	patchy	0.01% of total interval. Some veins have carbonate~10% and quartz~90%.							pyrite	1							quartz	99							
291.15	292.270	patchy	0.01% of total interval							pyrite	30	sulphides	50					quartz	20							
292.27	292.460	patchy	2% of total interval. Most are at ~ the same CA	30						pyrite	10							quartz	30	chlorite	5					55
292.48	293.930	patchy	1% of total interval							pyrite	15							quartz	65	biotite	20					
293.93	293.945	braided	patchy, chlorite or epidote? chlorite and epidote?	45						pyroxene	10	pyrite	5					quartz	40	chlorite	15	epidote	15	clay	15	

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Depth From (m)	Depth To (m)	Texture	Description	CA	Beta angle	Strike (RHR)	Dip	Selv. width (mm)	Selvage comp	Min 1	Min 1 %	Min 2	Min 2 %	Min 3	Min 3 %	Min 4	Min 4 %	Gangue 1	Gangue 1 %	Gangue 2	Gangue 2 %	Gangue 3	Gangue 3 %	Gangue 4	Gangue 4 %	Voids
191.04	192.340	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.	70						pyrite	95	quartz	5													
192.34	192.343	patchy		70						quartz	80	sulphides	20													
192.343	194.000	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.carbonate veins ~ 2mm. 2% of interval. carbonate veins follow foliation.	70						pyrite	95	quartz	5													
194	196.950	massive	carbonate veins ~ 2mm. 2% of interval. carbonate veins follow foliation.							carbonate	25	quartz	75													
196.95	196.954	patchy		85						quartz	50	chalcopyrite	25	sulphides	15	carbonate	10									
196.954	197.970	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.carbonate veins ~ 2mm. 2% of interval. carbonate veins follow foliation.	70						pyrite	95	quartz	5													
197.97	197.972	patchy		60				1	clay+quartz	pyrite	60	quartz	30	clay	10											
197.972	201.920	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.carbonate veins ~ 2mm. 2% of interval. carbonate veins follow foliation.	70						pyrite	95	quartz	5													
201.92	201.930	patchy	vein is more like overprint.	40						pyrite	30	quartz	70													
201.93	202.090	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.carbonate veins ~ 2mm. 2% of interval. carbonate veins follow foliation.	70						pyrite	95	quartz	5													
202.09	202.092	massive		50						pyrite	65	sulphides	35													
202.092	202.290	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.carbonate veins ~ 2mm. 2% of interval. carbonate veins follow foliation.	70						pyrite	95	quartz	5													
202.28	202.294	patchy		30						pyrite	65	sulphides	35													
202.294	202.550	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.carbonate veins ~ 2mm. 2% of interval. carbonate veins follow foliation.	70						pyrite	95	quartz	5													
202.55	202.562	patchy		40						pyrite	60	sulphides	20	quartz	20											
202.562	204.290	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.carbonate veins ~ 2mm. 2% of interval. carbonate veins follow foliation.	70						pyrite	95	quartz	5													
204.29	204.292	braided		40						pyrite	80	quartz	20													
204.292	204.340	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.carbonate veins ~ 2mm. 2% of interval. carbonate veins follow foliation.	70						pyrite	95	quartz	5													
204.34	204.342	braided		40						pyrite	80	quartz	20													
204.342	206.850	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.carbonate veins ~ 2mm. 2% of interval. carbonate veins follow foliation.	70						pyrite	95	quartz	5													
206.85	206.853	braided		50						pyrite	80	quartz	20													
206.85	208.350	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.	70						pyrite	95	quartz	5													
206.35	209.01	massive/patchy	0.1% of total interval.							pyrite	95	quartz	5													
209.01	209.018	massive		40						quartz	90	carbonate	10													
209.018	209.190	massive/patchy	0.1% of total interval.							pyrite	95	quartz	5													
209.19	209.192	patchy		15						sulphides	90	clay	10													
209.192	209.790	massive/patchy	0.1% of total interval.							pyrite	95	quartz	5													
209.79	209.792	patchy		15						sulphides	90	clay	10													
209.792	210.700	massive/patchy	0.1% of total interval.							pyrite	95	quartz	5													
210.77	210.702	patchy		15						sulphides	20	quartz	80													
210.702	212.130	massive/patchy	0.1% of total interval.							pyrite	95	quartz	5													
212.13	212.132	patchy		25						sulphides	15	quartz	85													
212.132	215.050	massive/patchy	0.1% of total interval.							pyrite	95	quartz	5													
215.05	215.09	massive/patchy	1% of total interval.							pyrite	95	quartz	5													
215.09	215.092	massive		25				1	chlorite	clay	90	chlorite	10													
215.092	217.560	massive/patchy	1% of total interval.							pyrite	95	quartz	5													
217.56	217.562	massive		70						sulphides	75	quartz	20	clay	5											
217.562	219.000	massive/patchy	1% of total interval.							pyrite	95	quartz	5													
219.00	223.71	massive/patchy	0.1% of total interval.							pyrite	95	quartz	5													
223.71	223.713	patchy	tiny breccia.hydrothermal? Silica is not crystallized	30						quartz	95	small clasts	5													
223.713	224.300	massive/patchy	0.1% of total interval.							pyrite	95	quartz	5													
224.3	224.303	massive	hydrothermal? Silica is not crystallized	30						quartz	90	sulphides	10													
224.303	224.450	massive/patchy	0.1% of total interval.							pyrite	95	quartz	5													
224.45	224.452	patchy		60						quartz	85	sulphides	15													
224.452	224.650	massive/patchy	0.1% of total interval.							pyrite	95	quartz	5													
224.65	224.652	massive	hydrothermal? Silica is not crystallized	40						quartz	100															
224.652	226.660	massive/patchy	0.1% of total interval.							pyrite	95	quartz	5													
226.66	226.663	braided		20						quartz	90	hematite	2	chlorite	3	sulphides	5									
226.663	226.740	massive/patchy	0.1% of total interval.							pyrite	95	quartz	5													
226.74	227.540	massive/patchy	3% of total interval.							pyrite	95	quartz	5													
227.54	227.541	patchy		50						pyrite	20	arsenopyrite	0.01					quartz	65							15
227.541	228.240	massive/patchy	3% of total interval.							pyrite	95	quartz	5													
228.24	228.243	patchy		60	330	344	67	2	quartz, feldspar	pyrite	48	chalcopyrite	2					calcite	35	quartz	15					
228.243	228.290	massive/patchy	3% of total interval.							pyrite	95	quartz	5													
228.29	228.293	open	patchy	40	40	30	83			pyrite	5							quartz	85	biotite	5	chlorite	5			
228.293	228.600	massive/patchy	3% of total interval.							pyrite	95	quartz	5													
228.60	228.900	massive/patchy	1% of total interval. A few veins have pyrhotite.							pyrite	90	quartz	10													
228.9	228.903	patchy	open	40	340	345	88			chalcopyrite	35	pyrite	10					quartz	50	calcite	5					
228.903	228.940	massive/patchy	1% of total interval. A few veins have pyrhotite.							pyrite	90	quartz	10													
228.94	228.942	patchy		60	340	349	69			chalcopyrite	45							quartz	55							
228.942	229.980	massive/patchy	1% of total interval. A few veins have pyrhotite.							pyrite	90	quartz	10													
229.98	229.982	massive	patchy, vn follows foliation, slight pinch and swell	60						chalcopyrite	35	pyrite	25					quartz	40							
229.982	230.240	massive/patchy	1% of total interval. A few veins have pyrhotite.							pyrite	90	quartz	10													
230.24	230.243	open	irregular	10						pyrite	4							quartz	95	epidote	1					
230.243	231.740	massive/patchy	1% of total interval. A few veins have pyrhotite.							pyrite	90	quartz	10													
231.74	231.742	massive	patchy	60	320	339	65			pyrite	20							calcite	80							
231.742	232.010	massive/patchy	1% of total interval. A few veins have pyrhotite.							pyrite	90	quartz	10													
232.01	232.015	patchy	well developed quartz crystals. Looks like it was an open vein that was later infilled.	70	340	352	59			chalcopyrite	5	pyroxene	5					quartz	60	calcite	30					
232.015	234.640	massive/patchy	1% of total interval. A few veins have pyrhotite.							pyrite	90	quartz	10													
234.64	234.644	patchy		40	10	8	90			pyrite	40							quartz	40	calcite	10					10
234.644	235.980	massive/patchy	1% of total interval. A few veins have pyrhotite.							pyrite	90	quartz	10													
235.98	235.983	patchy	well developed quartz crystals. Looks like it was an open vein that was later infilled.	40	30	23	86			pyrite	15							quartz	65	calcite	20					
235.983	237.150	massive/patchy	1% of total interval. A few veins have pyrhotite.							pyrite	90	quartz	10													
237.15	237.152	massive	vein is deformed slightly with foliation. Has a small fold.	40														quartz	65	feldspar	35					
237.152	237.520	massive/patchy	1% of total interval. A few veins have pyrhotite.							pyrite	90	quartz	10													
237.52	237.524	banded/patchy		20	70	62	87			pyrite	40							quartz	45	biotite	10	calcite	5			
237.524	238.320	massive/patchy	1% of total interval. A few veins have pyrhotite.							pyrite	90	quartz	10													

Hole: GRD08-79
Zone: Nucleus
Logger: Zuzka Gazdik

Vein Log

Depth From (m)	Depth To (m)	Texture	Description	CA	Beta angle	Strike (RHR)	Dip	Selv width (mm)	Selvage comp	Min 1	Min 1 %	Min 2	Min 2 %	Min 3	Min 3 %	Min 4	Min 4 %	Gangue 1	Gangue 1 %	Gangue 2	Gangue 2 %	Gangue 3	Gangue 3 %	Gangue 4	Gangue 4 %	Voids
126.674	127.680	massive/braided/leached	5% of total interval. Some stringers are aligned parallel to each other.							sulphides	30	pyrite	20	quartz	20											30
127.68	127.682	open/leached	well developed quartz crystals	65						quartz	40	limonite	5	pyrite	3											52
127.682	129.630	massive/braided/leached	5% of total interval. Some stringers are aligned parallel to each other.							sulphides	30	pyrite	20	quartz	20											30
129.63	129.631	massive/leached		65				2	quartz	quartz	25	pyroxene	20	sulphides	20	pyrite	5									30
129.631	130.150	massive/braided/leached	5% of total interval. Some stringers are aligned parallel to each other.							sulphides	30	pyrite	20	quartz	20											30
130.15	130.750	massive/leached	1% of total interval							pyrite	35	limonite	5	carbonate	20	quartz	10									30
130.75	130.753	patchy/leached		70						pyrite	35	sulphides	10	quartz	40	limonite	5									10
130.753	131.740	massive/leached	1% of total interval							pyrite	35	limonite	5	carbonate	20	quartz	10									30
131.74	131.742	banded/patchy		40						pyroxene	30	quartz	30	limonite	40											
131.742	131.780	massive/leached	1% of total interval							pyrite	35	limonite	5	carbonate	20	quartz	10									30
131.78	131.784	banded/patchy		40						pyroxene	30	quartz	30	limonite	40											
131.784	132.290	massive/leached	1% of total interval							pyrite	35	limonite	5	carbonate	20	quartz	10									30
132.29	132.292	braided		75						limonite	100															
132.292	132.320	massive/leached	1% of total interval							pyrite	35	limonite	5	carbonate	20	quartz	10									30
132.32	132.322	braided		80						limonite	50	pyrite	50													
132.32	133.250	massive/leached	1% of total interval							pyrite	35	limonite	5	carbonate	20	quartz	10									30
133.25	133.252	patchy/leached		50						quartz	30	pyrite	40	limonite	10											20
133.25	134.370	massive/leached	1% of total interval							pyrite	35	limonite	5	carbonate	20	quartz	10									30
134.37	134.373	banded/patchy		60						pyrite	40	quartz	40	clay	15	limonite	5									
134.37	138.610	massive/leached	1% of total interval							pyrite	35	limonite	5	carbonate	20	quartz	10									30
138.61	138.612	patchy/leached		60						pyrite	30	quartz	30													40
138.61	138.650	massive/leached	2% of total interval							pyrite	80	quartz	5													15
138.65	138.653	patchy		50						pyrite	50	quartz	40	limonite	5											5
138.65	139.420	massive/leached	2% of total interval							pyrite	80	quartz	5													15
139.42	139.422	patchy		40						pyrite	65	quartz	25	limonite	5											5
139.42	140.630	massive/leached	2% of total interval							pyrite	80	quartz	5													15
140.63	140.633	patchy		40						pyrite	15	quartz	35	limonite	10	sulphides	30									10
140.63	141.100	massive/leached	2% of total interval							pyrite	80	quartz	5													15
141.10	141.101	patchy		40						pyrite	65	quartz	15	clay	5											15
141.10	142.390	massive/leached	2% of total interval							pyrite	80	quartz	5													15
142.39	142.392	patchy		60						pyrite	30	quartz	50	clay	20											
142.39	142.650	massive/leached	2% of total interval							pyrite	80	quartz	5													15
142.65	143.290	massive/leached	1% of total interval							pyrite	80															20
143.50	143.503	massive/leached		30						pyrite	80	quartz	3	clay	5	limonite	2									10
143.50	143.750	massive/leached	1% of total interval							pyrite	80															20
143.76	143.770	patchy/braided		30						pyrite	70	quartz	20	limonite	5											5
143.77	144.080	massive/leached	1% of total interval							pyrite	80															20
144.08	144.088	patchy/braided		30						pyrite	70	quartz	20	limonite	5											5
144.09	149.290	massive/leached	1% of total interval							pyrite	80															20
150.67	150.675	banded		40						carbonate	50	quartz	30	clay	20											
152.40	153.260	massive	Some carbonate veins still visible in faulted schist. Widths vary up to 7mm.							carbonate	100															
157.61	157.790	patchy	1% of total interval. Blebb veins within breccia							quartz	20	sulphides	80													
157.79	157.930	patchy	0.1% of total interval							pyrite	80	quartz	10	limonite	10											
159.48	162.550	patchy	0.1% of total interval. carbonate stringer and ~2mm veins overlap also this interval ~3%.							pyrite	80	quartz	10	limonite	10											
162.55	162.565	massive		60						carbonate	50	quartz	50													
162.565	163.500	patchy	0.1% of total interval. carbonate stringer and ~2mm veins overlap also this interval ~3%.							pyrite	80	quartz	10	limonite	10											
166.11	168.160	patchy	0.1% of total interval. carbonate stringer and ~2mm veins overlap also this interval ~3%.							pyrite	85	quartz	15													
168.16	168.162	massive		50				1	qrtz+carbon	pyrite	50	quartz	40	carbonate	5	clay	5									
168.16	169.200	patchy	0.1% of total interval. carbonate stringer and ~2mm veins overlap also this interval ~3%.							pyrite	85	quartz	15													
169.20	169.202	massive		50				0.5	qrtz+carbon	pyroxene	50	quartz	40	carbonate	5	clay	5									
169.20	169.270	patchy	0.1% of total interval. carbonate stringer and ~2mm veins overlap also this interval ~3%.							pyrite	85	quartz	15													
169.27	169.278	patchy		50						pyroxene	50	quartz	42	limonite	5	clay	3									
169.28	172.880	patchy	0.1% of total interval. carbonate stringer and ~2mm veins overlap also this interval ~3%.							pyrite	85	quartz	15													
172.88	172.910	braided		35						pyrite	30	quartz	50	carbonate	15	clay	5									
172.91	175.060	patchy	0.1% of total interval. carbonate stringer and ~2mm veins overlap also this interval ~3%.							pyrite	85	quartz	15													
175.06	179.830	patchy	3% of total interval. carbonate veins overlap in this interval ~3%. They average ~2mm.							pyrite	70	quartz	30													
179.83	182.43	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.	70						pyrite	95	quartz	5													
182.43	182.434	banded		70						carbonate	25	quartz	75													
182.43	182.480	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.	70						pyrite	95	quartz	5													
182.48	182.483	banded		60						carbonate	25	quartz	75													
182.48	185.650	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.	70						pyrite	95	quartz	5													
185.86	185.864	massive		65						carbonate	25	quartz	75													
185.864	186.55	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.	70						pyrite	95	quartz	5													
186.55	186.552	massive		60						carbonate	25	quartz	75													
186.552	186.570	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.	70						pyrite	95	quartz	5													
186.57	186.572	massive		60						carbonate	25	quartz	75													
186.57	186.610	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.	70						pyrite	95	quartz	5													
186.61	186.612	massive		60						carbonate	25	quartz	75													
186.61	187.170	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.	70						pyrite	95	quartz	5													
187.17	187.172	massive		60						carbonate	25	quartz	75													
187.17	188.250	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.	70						pyrite	95	quartz	5													
188.25	188.255	massive		60						carbonate	25	quartz	75													
188.26	188.940	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.	70						pyrite	95	quartz	5													
188.94	188.945	patchy	vein is surrounded by pyrite that has been altered to clay? Appears to be within foliation. Also there is a minor offset running through the vein.	40						pyrhotite	80	pyrite	20	quartz												
188.95	189.060	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.	70						pyrite	95	quartz	5													
189.06	189.065	banded		65						carbonate	25	quartz	75													
189.07	190.320	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.	70						pyrite	95	quartz	5													
190.32	190.322	banded		60						clay	30	quartz	50	carbonate	20											
190.32	190.980	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.	70						pyrite	95	quartz	5													
190.98	190.984	banded		90						carbonate	25	quartz	60	clay	15											
190.98	191.030	massive/patchy	2% of total interval. Lots of very fine stringers oriented in the same direction, as well as some that are more random.	70						pyrite	95	quartz	5													
191.03	191.036	banded		60						carbonate	25	quartz	60	clay	15											

Hole: GRD08-79
Zone: Nucleus
Logger: Zuzka Gazdik

Vein Log

Depth From (m)	Depth To (m)	Texture	Description	CA	Beta angle	Strike (RHR)	Dip	Selv width (mm)	Selvage comp	Min 1	Min 1 %	Min 2	Min 2 %	Min 3	Min 3 %	Min 4	Min 4 %	Gangue 1	Gangue 1 %	Gangue 2	Gangue 2 %	Gangue 3	Gangue 3 %	Gangue 4	Gangue 4 %	Voids
78.6	78.803	massive/leached		70						limonite	35	hematite	5	quartz	20											40
78.803	79.55	massive/leached	5% of total interval							limonite	50	hematite	30													20
79.55	79.552	patchy/leached		60						quartz	45	limonite	25													30
79.552	79.86	massive/leached	5% of total interval							limonite	50	hematite	30													20
79.86	79.862	patchy/slightly braided		70						limonite	80	quartz	10	hematite10	9											1
79.862	81.170	massive/leached	5% of total interval							limonite	50	hematite	30													20
81.17	81.173	patchy/leached		15						quartz	75	hematite	10	limonite	5											10
81.173	81.790	massive/leached	5% of total interval							limonite	50	hematite	30													20
81.79	81.792	patchy/leached		75						quartz	75	limonite	10	hematite	5											10
81.792	82.680	massive/leached	5% of total interval							limonite	50	hematite	30													20
82.68	82.682	patchy/leached		65				2	quartz	quartz	65	clay	15	limonite	5											15
82.682	82.960	massive/leached	5% of total interval							limonite	50	hematite	30													20
82.96	82.962	massive	possibly hydrothermal. No crystals visible.	75						silica	100															
82.962	83.690	massive/leached	5% of total interval							limonite	50	hematite	30													20
83.69	83.694	patchy/leached		85				2	quartz	quartz	60	limonite	20													20
83.694	84.040	massive/leached	5% of total interval							limonite	50	hematite	30													20
84.04	84.042	patchy/leached		60						quartz	70	limonite	20													10
84.042	84.850	massive/leached	5% of total interval							limonite	50	hematite	30													20
84.85	84.852	patchy/leached		75						quartz	35	limonite	10													55
84.852	84.900	massive/leached	5% of total interval							limonite	50	hematite	30													20
8419	84.906	patchy/leached		70						quartz	85	limonite	5													10
84.906	84.950	massive/leached	5% of total interval							limonite	50	hematite	30													20
84.95	84.952	patchy/leached		70						quartz	35	limonite	20													45
84.952	85.000	massive/leached	5% of total interval							limonite	50	hematite	30													20
85	85.001	patchy/leached		70						quartz	55	limonite	20													25
85.001	85.050	massive/leached	5% of total interval							limonite	50	hematite	30													20
85.05	85.051	patchy/leached		70						quartz	45	limonite	10													45
85.051	85.300	massive/leached	5% of total interval							limonite	50	hematite	30													20
85.3	85.302	banded/leached		70						limonite	60	quartz	25													15
85.302	86.350	massive/leached	5% of total interval							limonite	50	hematite	30													20
86.35	92.100	massive/leached	20% of total interval							limonite	60															40
92.1	95.880	massive/leached	20% of total interval							limonite	25	hematite	5													70
95.88	96.600	massive/leached	5% of total interval							limonite	25	hematite	5	quartz	10											60
96.6	96.604	banded/braided		40						limonite	75	quartz	10	clay	10											5
96.604	101.040	massive/leached	5% of total interval							limonite	25	hematite	5	quartz	10											60
101.04	102.060	massive/leached	1% of total interval							limonite	30	quartz	15	clay	5											50
102.06	102.080	massive/leached		40						quartz	30	clay	20	limonite	20											30
102.08	102.110	massive/leached	1% of total interval							limonite	30	quartz	15	clay	5											50
102.11	102.112	open	well developed quartz crystals in voids	45						quartz	40	limonite	10													50
102.112	102.980	massive/leached	1% of total interval							limonite	30	quartz	15	clay	5											50
102.98	102.985	patchy/braided/leached		50						quartz	60	limonite	10	clay	15											15
102.985	103.270	massive/leached	1% of total interval							limonite	30	quartz	15	clay	5											50
103.27	104.450	massive/leached	10% of total interval							limonite	30	quartz	20	clay	10											40
104.45	104.452	patchy/leached		45						quartz	60	limonite	5	clay	15											20
104.452	104.650	massive/leached	10% of total interval							limonite	30	quartz	20	clay	10											40
104.65	104.652	patchy/leached		40						quartz	80	clay	5	limonite	5											10
104.652	106.520	massive/leached	10% of total interval							limonite	30	quartz	20	clay	10											40
106.52	109.330	massive/leached	5% of total interval							limonite	30															70
109.33	109.336	massive/braided/leached		30						quartz	75	clay	10	limonite	5											10
109.336	109.600	massive/leached	5% of total interval							limonite	30															70
109.6	109.605	massive/braided/leached		40						quartz	75	limonite	10	hematite	5											10
109.605	109.630	massive/leached	5% of total interval							limonite	30															70
109.63	109.632	braided		35						limonite	85	sulphides	2	hematite	3											10
109.632	110.470	massive/leached	5% of total interval							limonite	30															70
110.47	110.476	banded/leached		50						quartz	60	limonite	10	clay	5	ser	10									15
110.476	110.850	massive/leached	5% of total interval							limonite	30															70
110.85	110.853	massive	Non-crystalline quartz. hydrothermal?	45				0.5	limonite	quartz	95	clay	5													
110.853	110.880	massive/leached	5% of total interval							limonite	30															70
110.88	110.882	patchy/leached		50						quartz	70	limonite	10													20
110.882	111.520	massive/leached	5% of total interval							limonite	30															70
111.52	111.524	patchy/banded/braided/leached	Beta angle of OC is 350	45				1	quartz	quartz	49	limonite	35	hematite	1											15
111.524	111.700	massive/leached	5% of total interval							limonite	30															70
111.7	111.702	patchy/leached	Beta angle of OC is 30	40						limonite	25	quartz	30	hematite	5											40
111.702	114.180	massive/leached	5% of total interval							limonite	30															70
114.18	114.183	patchy/leached	Beta angle in OC is 345	65				2	limonite	quartz	70	clay	5	limonite	10	pyrite	0.01	sulphides	4.99							10
114.183	114.970	massive/leached	5% of total interval							limonite	30															70
114.97	114.976	open	Beta angle of OC is 350	40						sulphates	3	sulphides	84	pyrite	3											10
114.976	115.430	massive/leached	5% of total interval							limonite	30															70
115.43	115.482	open	Beta angle of OC is 350. chalcopyrite just outside of vein (within stringer that cross-cuts vein).	65				1	quartz	quartz	45	arsenopyrite	10													45
115.482	117.040	massive/leached	5% of total interval							limonite	30															70
117.04	117.043	massive/patchy		45						pyrite	15	sulphides	40	pyroxene	30	hematite	5	quartz	10							
117.043	117.190	massive/leached	5% of total interval							limonite	30															70
117.19	117.192	massive/patchy		35				0.5	limonite	pyroxene	20	sulphides	70	limonite	10											
117.192	117.220	massive/leached	5% of total interval							limonite	30															70
117.22	117.225	patchy		50						arsenopyrite	80	limonite	10	clay	10											
117.225	117.280	massive/leached	5% of total interval							limonite	30															70
117.28	117.282	patchy/braided		60						arsenopyrite	30	quartz	35	limonite	35											
117.282	117.650	massive/leached	5% of total interval							limonite	30															70
117.65	117.652	patchy/braided		35						sulphides	30	hematite	10	limonite	20	pyrite	20	arsenopyrite	20							
117.652	118.210	massive/leached	5% of total interval							limonite	30															70
118.21	118.248	patchy/braided		30						pyrite	30	quartz	50	limonite	20											
118.248	118.410	massive/leached	5% of total interval							limonite	30															70
118.41	118.413	patchy						1	quartz+limon	quartz	45	pyrite	30	limonite	25											
118.413	118.440	massive/leached	5% of total interval							limonite	30															70
118.44	118.441	patchy/braided		55						pyrite	30	quartz	30	limonite	40											
118.441	118.580	massive/leached	5% of total interval							limonite	30															70
118.58	118.561	massive	hydrothermal vein?	60						quartz	80	clay	20													
118.561	118.730	massive/leached	5% of total interval							limonite	30															70
118.73	118.960	massive/braided/leached	10% of total interval. Not all minerals are found in each vein. They are mixed and pyrite and sulphides domite.							tetrahedrite	3	pyrite	30	sulphides	25	chalcopyrite	2	quartz	10	limonite	10	malachite	3	hematite	5	12
118.96	118.965	patchy/massive		60				1	limonite	tetrahedrite	15	pyrite	17	chalcopyrite	3	quartz	50	limonite	10							5
118.965	119.890	massive/braided/leached	10% of total interval. Not all minerals are found in each vein. They are mixed and pyrite and sulphides domite. Some stringers are aligned parallel to each other (~75 degrees)							tetrahedrite	3	pyrite	30	sulphides	25	chalcopyrite	2	quartz	10	limonite	10	malachite	3	hematite	5	12
119.89	119.892	braided		60						pyrite	60	limonite	40													
119.892	120.170	massive/braided/leached	10% of total interval. Not all minerals are found in each vein. They are mixed and pyrite and sulphides domite. Some stringers are aligned parallel to each other (~75 degrees)							tetrahedrite	3	pyrite	30	sulphides	25	chalcopyrite	2	quartz	10	limonite	10	malachite	3	hematite	5	12
120.17	120.171	banded		60						pyrite	60	quartz	25	limonite	15											
120.171	120.290	massive/braided/leached	10% of total interval. Not all minerals are found in each vein. They are mixed and pyrite and sulphides domite. Some stringers are aligned parallel to each other (~75 degrees)							tetrahedrite	3	pyrite	30	sulphides	25	chalcopyrite	2	quartz	10	limonite	10	malachite	3	hematite	5	12
120.29	120.292	patchy		70						pyrite	45	quartz	40	limonite	15											
120.292	120.380	massive/braided/leached	10% of total interval. Not all minerals are found in each vein. They are mixed and pyrite and sulphides domite. Some stringers are aligned parallel to each other (~75 degrees)							tetrahedrite	3	pyrite	30	sulphides	25	chalcopyrite	2	quartz	10	limonite	10	malachite	3	hematite	5	12
120.38	120.383	patchy/braided		30						pyrite	60	quartz	30	limonite	10											
120.383	121.590	massive/braided/leached	10% of total interval. Not all *minerals are found in each* vein. They are mixed and pyrite and sulphides domite. Some stringers are aligned parallel to each other (~75 degrees)							tetrahedrite	3	pyrite	30	sulphides	25	chalcopyrite	2	quartz	10	limonite	10	malachite	3	hematite	5	12
121.59	121.593	patchy/braided		40						quartz	50	pyrite	10	sulphides	20	limonite	15									5
121.593	121.810	massive/braided/leached	10% of total interval. Not all minerals are found in each vein. They are mixed and pyrite and sulphides domite. Some stringers are aligned parallel to each other (~75 degrees)							tetrahedrite	3	pyrite	30	sulphides	25	chalcopyrite	2	quartz	10	limonite	10	malachite	3	hematite	5	12
121.81	121.814	patchy		25						pyrite	20	arsenopyrite	1	limonite	40	clay	19	quartz	10							10
121.814	121.820	massive/braided/leached	10% of total interval. Not all minerals are found in each vein. They are mixed and pyrite and sulphides domite. Some stringers are aligned parallel to each other (~75 degrees)							tetrahedrite	3	pyrite	30	sulphides	25	chalcopyrite	2	quartz	10	limonite	10	malachite	3	hematite	5	12
121.82	122.030	massive/braided/leached	1% of total interval							sulphides	20	pyrite	10	limonite	10	quartz	10	clay	10							40
122.03	122.033	patchy/banded		30						pyrite	50	quartz	30	limonite	20											
122.033	122.070	massive/braided/leached	1% of total interval							sulphides	20	pyrite	10	limonite	10	quartz	10	clay	10							40
122.07	122.072	patchy/braided		30						pyrite	70	limonite	10	quartz	20											
122.072	124.180	massive/braided/leached	1% of total interval							sulphides	20	pyrite	10	limonite	10	quartz	10	clay	10							40
124.18	124.183	patchy		30						pyrite	25	quartz	40	limonite	10											25
124.183	124.560	massive/braided/leached	1% of total interval							sulphides	20	pyrite	10	limonite	10	quartz	10	clay	10							40
124.56	124.561	massive		60						clay	70	quartz	30													
124.561	124.770	massive/braided/leached	1% of total interval							sulphides	20	pyrite	10	limonite	10	quartz	10	clay	10							40
124.77	126.570	massive/braided/leached	5% of total interval. Some stringers are aligned parallel to each other.							sulphides	30	pyrite	20	quartz	20											30
126.57	126.574	massive/patchy		10						pyroxene	20	quartz	70													10

Hole: GRD08-79
Zone: Nucleus
Logger: Zuzka Gazdik

Vein Log

Depth From (m)	Depth To (m)	Texture	Description	CA	Beta angle	Strike (RHR)	Dip	Selv width (mm)	Selvage comp	Min 1	Min 1 %	Min 2	Min 2 %	Min 3	Min 3 %	Min 4	Min 4 %	Gangue 1	Gangue 1 %	Gangue 2	Gangue 2 %	Gangue 3	Gangue 3 %	Gangue 4	Gangue 4 %	Voids
6.34	10.030	massive/leached	1% of total interval							limonite	70															30
10.03	10.035	massive	extremely oxidized vein	50						limonite	60	hematite	30													10
10.035	14.400	massive/leached	1% of total interval							limonite	70															30
14.4	14.403	massive	well developed quartz crystals in vugs	55						quartz	75	limonite	5													20
14.403	14.750	massive/leached	1% of total interval							limonite	70															30
14.75	14.753	leached/braided		50						limonite	40	hematite	5													55
14.753	14.899	massive/leached	1% of total interval							limonite	70															30
14.89	14.894	massive/leached		50						quartz	50	limonite	15													35
14.894	17.390	massive/leached	1% of total interval							limonite	70															30
17.39	17.392	leached		50						quartz	20	limonite	20													60
17.392	18.300	massive/leached	1% of total interval							limonite	70															30
18.3	18.750	massive/leached	5% of total interval							limonite	70															30
18.75	18.752	massive	clay and quartz mixed vein with quartz selvage	70				0.5	quartz	quartz	30	clay	70													
18.752	21.630	massive/leached	5% of total interval							limonite	70															30
21.63	22.470	massive/leached	1% of total interval							limonite	70															30
22.47	22.476	braided/leached		30						quartz	60	limonite	10	clay	10											20
22.476	24.000	massive/leached	1% of total interval							limonite	70															30
24	24.020	massive/braided		35						quartz	80	clay	18	limonite	2											
24.02	25.900	massive/leached	1% of total interval							limonite	60															40
25.9	29.220	massive/leached	3% of total interval							limonite	60															40
29.22	29.224	massive/braided		45						quartz	80	clay	15													5
29.224	34.280	massive/leached	3% of total interval							limonite	60															40
34.28	34.284	leached/braided/brecciated		50						limonite	70															30
34.63	34.533	leached/braided		45						limonite	70	hematite	5													25
34.433	35.010	massive/leached	1% of total interval							limonite	60															40
35.01	35.025	massive		40						clay	55	quartz	40	limonite	5											
35.09	35.092	massive/braided		40						clay	55	quartz	40	limonite	5											
37.14	37.143	patchy		25						quartz	60	clay	25	limonite	15											
37.143	37.220	massive/leached	3% of total interval							limonite	80															20
37.22	37.230	massive/leached		20						quartz	50	limonite	40													10
37.23	38.290	massive/leached	2% of total interval							limonite	70															30
38.29	38.294	massive		55						clay	40	quartz	50	limonite	5											5
38.294	42.020	massive/leached	3% of total interval							limonite	70															30
42.02	42.022	massive/leached		30						quartz	70	clay	15	limonite	10											5
42.022	42.420	massive/leached	3% of total interval							limonite	70															30
42.42	42.423	massive/braided		40				1	quartz	quartz	50	clay	45	limonite	5											
42.74	42.745	massive/leached		55						quartz	80	limonite	5													15
42.82	42.822	massive/leached		30						limonite	70	quartz	15													15
42.822	43.450	massive/leached	5% of total interval							limonite	80															20
43.45	43.453	patchy/leached		35						limonite	75	quartz	15	clay	5											5
43.453	43.550	massive/leached	10% of total interval							limonite	80															20
43.55	43.552	patchy		60						limonite	80	quartz	5	clay	5											10
43.552	43.630	massive/leached	10% of total interval							limonite	80															20
43.63	43.633	massive/leached/braided		40						limonite	70															30
43.633	44.190	massive/leached	10% of total interval							limonite	80															20
44.19	44.192	leached		80						limonite	60															40
44.192	44.460	massive/leached	10% of total interval							limonite	80															20
44.46	44.462	braided/leached		60						limonite	60	quartz	20	clay	5											15
44.462	44.590	massive/leached	10% of total interval							limonite	80															20
44.59	44.591	massive/braided		40						pyrite	5	sulphides	40	limonite	50											5
44.591	44.780	massive/leached	10% of total interval							limonite	80															20
44.78	44.782	patchy/leached		60						pyrite	10	sulphides	5	limonite	65	clay	5									15
44.782	45.480	massive/leached	10% of total interval							limonite	80															20
45.48	45.484	massive/braided/leached		45						limonite	80	clay	5													15
45.484	45.710	massive/leached	15% of total interval							limonite	80	clay	10													10
45.71	48.580	massive/leached	3% of total interval							limonite	80	hematite	2													18
48.58	48.582	patchy/leached		45						limonite	30	quartz	35	hematite	20											15
48.582	48.880	massive/leached	3% of total interval							limonite	80															20
48.88	48.882	massive/leached		55						limonite	70	clay	10													20
48.882	50.130	massive/leached	3% of total interval							limonite	80															20
50.13	50.590	massive/leached	10% of total interval					1	limonite	pyrite	75	limonite	10	hematite	5											10
50.59	50.720	massive/leached	3% of total interval							limonite	80	hematite	3													17
50.72	50.721	patchy/braided		55						limonite	80	clay	10													10
50.721	52.170	massive/leached	1% of total interval							limonite	80															20
52.17	52.172	massive/leached		55						quartz	60	limonite	10													30
52.172	52.870	massive/leached	1% of total interval							limonite	80															20
52.87	52.871	braided/leached		5						limonite	60	clay	30													10
52.871	52.930	massive/leached	1% of total interval							limonite	80															20
52.93	53.250	massive/leached	10% of total interval							pyrite	0	limonite	75	hematite	5											20
53.25	53.252	massive/leached		10						quartz	67	limonite	20	hematite	3											10
53.252	53.930	massive/leached	10% of total interval							pyrite	0	limonite	75	hematite	5											20
53.93	53.931	massive/leached		50						pyrite	10	sulphides	70													20
53.931	53.990	massive/leached	% of total interval NR							pyrite	0	limonite	75	hematite	5											20
53.99	53.992	brecciated/leached		55						chlorite	20	limonite	10	quartz	30											40
53.992	53.440	massive/leached	% of total interval NR							pyrite	0	limonite	75	hematite	5											20
53.44	53.441	massive/leached		50						sulphides	90															10
53.441	54.520	massive/leached	% of total interval NR							pyrite	0	limonite	75	hematite	5											20
54.52	54.521	massive/leached/braided		40						quartz	10	limonite	80													10
54.521	54.720	massive/leached	% of total interval NR							pyrite	0	limonite	75	hematite	5											20
54.72	54.721	patcht/leached		25						limonite	60	quartz	35													5
54.721	54.760	massive/leached	% of total interval NR							pyrite	0	limonite	75	hematite	5											20
54.76	54.761	braided/leached		50						limonite	30															70
54.761	55.060	massive/leached	% of total interval NR							pyrite	0	limonite	75	hematite	5											20
55.06	55.063	braided/leached		50						limonite	30															70
55.063	55.300	massive/leached	% of total interval NR							pyrite	0	limonite	75	hematite	5											20
55.3	55.309	patchy/leached		15						quartz	55	limonite	25	hematite	5											15
55.305	55.650	massive/leached	% of total interval NR							pyrite	0	limonite	75	hematite	5											20
55.65	55.652	massive/leached	some offsetting of vein	10						limonite	80	sulphides	10													10
55.652	55.800	massive/leached	% of total interval NR							pyrite	0	limonite	75	hematite	5											20
55.8	55.802	patchy/leached		50						quartz	40	limonite	40													20
55.802	56.300	massive/leached	% of total interval NR							pyrite	0	limonite	75	hematite	5											20
56.3	56.302	massive/leached		45						limonite	70															30
56.302	57.280	massive/leached	% of total interval NR							pyrite	0	limonite	75	hematite	5											20
57.28	57.282	banded		45						limonite	90	quartz	5													5
57.282	59.420	massive/leached	% of total interval NR							pyrite	0	limonite	75	hematite	5											20
59.42	59.850	massive/leached	1% of total interval							limonite	70															30
59.85	59.875	massive/leached		50						quartz	70	limonite	10													20
59.875	60.230	massive/leached	1% of total interval							limonite	70															30
60.23	60.260	banded/leached		35						quartz	60	limonite	20													20
60.26	60.610	massive/leached	1% of total interval							limonite	70															30
60.61	60.710	massive/leached	20% of total interval							limonite	30	hematite	10													60
60.71	63.150	massive/leached	1% of total interval							limonite	70															30
63.15	63.500	massive/leached	5% of total interval							limonite	80	quartz	10	hematite	5											5
6315	63.650	massive/leached	1% of total interval							limonite	70															30
63.65	63.750	brecciated/leached		35						quartz	65	limonite	10													25
63.75	63.850	massive/leached	1% of total interval							limonite	70															30
63.85	63.852	massive/leached		35						clay	60	quartz	10	limonite	15											15
63.852	63.910	massive/leached	1% of total interval							limonite	70															30
63.91	63.912	massive/leached		35						clay	60	quartz	10	limonite	15											15
63.912	64.650	massive/leached	1% of total interval							limonite	70															30
64.65	65.530	massive/leached	5% of total interval							limonite	50	clay	30													20
64.53	66.100	massive/leached	5% of total interval							quartz	80	chlorite	5	limonite	4	clay	5	sulphides	1							5
66.10	66.133	massive/leached		35				1	quartz	quartz	30	limonite	10	pyrite	35											25
66.133	67.260	massive/leached	5% of total interval							quartz	80	chlorite	5	limonite	4	clay	5	sulphides	1							5
67.26	67.263	massive/leached		50						quartz	60	pyrite	15	limonite	5											20
67.263	67.610	massive/leached	10% of total interval							pyrite	50	sulphides	20	limonite	20											10
67.61	67.611	massive/leached		50						pyrite	70	limonite	20													10
67.611	67.650	massive/leached	10% of total interval							pyrite	50	sulphides	20	limonite	20											10
67.65	67.651	massive/leached		50						pyrite	80	limonite	5													15
67.651	68.970	massive/leached	10% of total interval							pyrite	50	sulphides	20	limonite	20											10
68.197	68.972	patchy/leached		35				1	sulphides	pyrite	60	limonite	20	sulphides	5											15
68.972	70.570	massive/leached	10% of total interval							pyrite	50	sulphides	20	limonite	20											10
70.57	70.574	patchy		3						quartz	95	sulphides	5													
70.574	70.710	massive/leached	10% of total interval							pyrite	50	sulphides	20	limonite	20											10
70.71	70.712	patchy/leached		70						quartz	74	pyrite	10	galene?	1	chlorite	3	clay	3							9
70.712	71.910	massive/leached	10% of total interval							limonite	60	hematite	10													30
71.191	71.911	patchy/leached		20						quartz	40	pyrite	5	limonite	15											40
71.911	71.980	massive/leached	10% of total interval							limonite	60	hematite	10													30
71.98	71.981	massive		60						limonite	100															
71.981	72.700	massive/leached	10% of total interval							limonite	60	hematite	10													30
72.7	72.702	massive/leached		50						limonite	60	hematite	2	arsenopyrite?ga	1											37
72.702	72.780	massive/leached	10% of total interval							limonite	60	hematite	10													30
72.78	72.782	braided/leached/massive		30						limonite	85	sulphides	5													10
72.782	72.870	massive/leached	10% of total interval							limonite	60	hematite	10													30
72.87	72.871	massive/leached		30						limonite	80															20
72.871	74.110	massive/leached	10% of total interval							limonite	60	hematite	10													30
74.11	74.112	braided/leached/massive		60						limonite	80	hematite	5													15
74.112	74.570	massive/leached	10% of total interval							limonite	60	hematite	10													30
74.57	74.578	patchy/leached/braided		70						limonite	60	hematite	30													10
74.572	74.610	massive/leached	10% of total interval							limonite	60	hematite	10													30
74.61	74.613	patchy/leached/braided		70						hematite	65	limonite	20													15
74.616	75.390	massive/leached	10% of total interval							limonite	60	hematite	10													30
75.39	75.392	banded/leached		20						limonite	25	hematite	40	sulphides	15											20
75.392	75.430	massive/leached	10% of total interval							limonite	60	hematite	10													30
75.43	75.431	massive		70						pyrite	20	sulphides	80													
75.431	76.170	massive/leached	10% of total interval							limonite	60	hematite	10													30
76.17	76.174	patchy/leached		65				1	limonite	quartz	60	hematite	10	limonite	10											20
76.174	76.900	massive/leached	10% of total interval							limonite	60	hematite	10													30
76.9	77.370	massive/leached	5% of total interval							limonite	50	hematite	30													20
77.37	77.375	patchy/leached/braided		70				2	schist	clay	100															
77.375	78.010	massive/leached	5% of total interval							limonite	50	hematite	30													20
78.01	78.012	patchy/leached		60						quartz	40	limonite	30	hematite	5											25
78.012	78.900	massive/leached	5% of total interval							limonite	50	hematite	30													20

Structure

Depth From (m)	DepthTo (m)	foliation CA	foliation strike	foliation dip	Struct_type1	Struct_CA1	Struct_description
264.74	265.88	60					
265.88	265.91	50					
265.91	266.35	20					
266.35	266.44				breccia		silica/mgran? Matrix.
266.44	266.93	20					
266.93	267.03	70					
267.03	267.13	50					
267.13	267.43	30					
267.43	267.55	40					
267.55	268.62				breccia		
268.62	270.13				fault		schist is flakey and altered.
270.13	271.03	60					
272.8	273.06	40					very little matrix.
273.06	274.46	20					local loss of foliation
274.85	274.85				contact	20	sharp upper contact between schist and granite
274.89	274.89				contact	20	sharp lower contact between granite and schist
276.03	276.15	70					
279.49	280.39	10					
280.39	280.39				contact	80	sharp upper contact between schist and granite
280.391	280.42	10					
280.42	280.42				contact	80	sharp lower contact between granite and schist
280.421	281.25	10					
281.25	281.25				contact	40	sharp, fractured upper contact between schist and granite
281.98	281.98				contact	40	sharp lower contact of granite and schist
281.981	282.56	20					granitic intrusion within interval
283.08	283.08				contact	40	sharp upper contact between schist and granite
283.081	284.95	40					
286.88	291.21	80					
291.86	292.13	30					
293.57	295.52	20					foliation becomes weaker downhole
299.04	300.30	40					weakly foliated, increasing silicification has destroyed some of the foliation
300.34	300.34				contact	10	sharp, slightly irregular upper contact between schist and granitic intrusion
300.56	300.56				contact	20	sharp, slighly irregular lower contact between schist and granitic intrusion

Structure

Depth From (m)	DepthTo (m)	foliation CA	foliation strike	foliation dip	Struct_type1	Struct_CA1	Struct_description
203.92	204.22	70					Some minor offsets within interval.
204.22	204.37				fault	70	schist is altered and flakey
204.37	205.20	70					Some minor offsets within interval.
205.2	205.33				breccia		
205.33	207.15	70					Some minor offsets within interval.
207.15	207.18				fault	70	schist is altered and flakey
207.18	207.45	70					Some minor offsets within interval.
207.45	207.49				fault	70	schist is altered and flakey
207.49	208.85	70					Some minor offsets within interval.
208.85	209.15				fault	70	rock is completely altered to mud. Some oxidized sulphides (pyx) in mud.
209.15	212.00	70					Some minor offsets within interval.
212	212.10				crackle breccia		very minor. Just starting to become breccia?
212.1	213.90	30					Some minor offsets within interval.
213.9	214.24				breccia		
214.24	215.29	30					Some minor offsets within interval.
215.29	215.54				breccia		silica cemented.
215.54	216.96	10					Some minor offsets within interval.
216.96	219.00	60	309	30			Some minor offsets within interval.
219	220.07	60					Some minor offsets within interval.
220.07	225.17	60	310	35			Some minor offsets within interval.
225.17	225.49	70					Some minor offsets within interval.
225.49	225.88	60					Some minor offsets within interval.
225.88	225.92				fault	60	schist is altered and flakey
225.92	225.98	60					Some minor offsets within interval.
225.98	226.00				breccia		Vein breccia? Silica cemented.
226	226.04	60					Some minor offsets within interval.
226.04	226.12				fault	60	schist is altered and flakey
226.12	230.13	60					Some minor offsets within interval.
230.13	230.33	50					
230.33	236.69	60					Some minor offsets within interval.
236.69	237.31				ductile shear?		very deformed zone.
237.31	239.88	40					
239.88	240.79	50					
240.79	241.59	30					
241.59	241.75	20					
241.75	242.53	15					
242.53	242.63				breccia		pyr within breccia and foliation around breccia. Breccia looks like a crackle breccia that has been pulled.
242.63	244.38	20					some deformation within this interval.
244.38	245.09				fault	20	Schist is flakey and altered. Follows schist foliation.
245.09	247.25	20					
247.25	247.29				fault	25	schist is flakey and altered.
247.29	247.70				crackle breccia		Some pyr ~10%. Silica cement with sox.
247.7	247.80	20					
247.8	248.16				breccia		mgran intrusion brecciated schist.
248.16	249.00				fault		schist is altered and flakey
249	249.14	55					
249.14	252.08	20					
252.08	252.28	45					
252.28	260.26	20					
260.26	260.93				breccia		schist clasts with gran matrix.
260.93	261.07	40					
261.07	261.54	70					
261.54	264.74				breccia		schist clasts with gran matrix. Lots of stringer veins with six and cla.

Structure

Depth From (m)	DepthTo (m)	foliation CA	foliation strike	foliation dip	Struct_type1	Struct_CA1	Struct_description
182.48	183.18				crackle breccia		
183.18	183.19				fault	45	Some crb within fault.
183.19	183.23				crackle breccia		silica and sulphides?biotite? (dark and hard matrix. Sratches white, but silicified) In matrix.
183.23	183.31	70					
183.31	183.71				crackle breccia		silica matrix. Not much matrix.
183.71	184.00	70					Schist is altered and flakey
184	184.70				crackle breccia		clay and silica in matrix
184.7	184.96				fault	65	Schist is altered and flakey
184.96	185.06	65					
185.06	185.37				faults	65	5 minor faults within this interval. Schist is altered and flakey.
185.37	187.15	60					Some minor offsets within interval.
187.15	188.89	50					Some minor offsets within interval.
188.89	189.73	60					Some minor offsets within interval.
189.73	189.91				fault		schist is altered and flakey
189.91	190.50	50					Some minor offsets within interval.
190.5	190.70				crackle breccia		not much matrix
190.7	190.81	60					Some minor offsets within interval.
190.81	190.99				crackle breccia		not much matrix
190.99	191.74	60					Some minor offsets within interval.
191.74	191.81				fault	60	schist is altered and flakey
191.81	192.48	60					Some minor offsets within interval.
192.48	192.62				fault	40	schist is altered and flakey
192.62	192.96	60					Some minor offsets within interval.
192.96	193.21				breccia		qtz veins and deformed.
193.21	193.21				fault	75	schist is altered and flakey
193.21	193.30						Some minor offsets within interval.
193.3	193.33				crackle breccia		
193.33	194.00	60	330	60			Some minor offsets within interval.
194	194.03				crackle breccia		
194.03	194.28	60					Some minor offsets within interval.
194.28	194.53				fault	60	schist is altered and flakey
194.53	195.45	60					Some minor offsets within interval.
195.45	195.72				fault		schist is altered and flakey
195.72	195.95	70					Some minor offsets within interval.
195.95	196.01				crackle breccia		
196.01	196.21	60					Some minor offsets within interval.
196.21	196.89	70					Some minor offsets within interval.
196.89	198.31	60					Some minor offsets within interval.
198.31	198.45				fault	60	schist is altered and flakey
198.45	198.78	55					Some minor offsets within interval.
198.78	199.35				crackle breccia		
199.35	199.39				fault	65	schist is altered and flakey
199.39	200.54	65					Some minor offsets within interval.
200.54	200.72				crackle breccia		
200.72	202.69	65					Some minor offsets within interval.
202.69	203.37	80					Some minor offsets within interval.
203.37	203.89	70					Some minor offsets within interval.
203.89	203.92				crackle breccia		

Structure							
Depth From (m)	DepthTo (m)	foliation CA	foliation strike	foliation dip	Struct_type1	Struct_CA1	Struct_description
160.19	161.19	50					some minor offsets.
161.19	161.30				fault		
161.30	162.56	55					minor boudins in old qrtz veins in schist.
162.56	162.96	40					
162.96	163.02				crackle breccia		qrtz vein cracked and has mineralized veins intruding.
163.02	163.11				fault	45	
163.11	163.28				crackle breccia	45	
163.28	166.11				fault		schist is very altered (clay) and flaking.
166.11	166.95	45					
166.95	167.03				fault	45	schist is very altered (clay) and flaking.
167.03	167.33	65					
167.33	168.01				fault		schist is very altered (clay) and flaking.
168.01	168.42	50					
168.42	168.47				fault		schist is very altered (clay) and flaking.
168.47	168.66	50					
168.66	168.71				contact	55	contacts between mgran dyke and schist.
168.71	169.14	50					
169.14	169.18				fault	50	schist is very altered (clay) and flaking.
169.18	169.36	50					
169.36	169.70				crackle breccia		clay and qtz cement.
169.7	170.36	60					some minor offsets and deformation (mylonite?) within this interval.
170.36	170.59				crackle breccia		very minor
170.59	171.05	70					
171.05	171.17	60					
171.17	171.38				fault	60	minor breccia within fault.
171.38	171.88	60					
171.88	173.92	70					some minor offsets and deformation (mylonite? Flowing of grains around a cluster of quartz and feldspar). Some small Boudins.
173.92	173.95				fault	35	minor fault. Right lateral.
173.95	174.16	60					
174.16	174.22				contact	70	Conacts between schist and mgran dyke. Dyke cross-cuts foliation, not parallel.
174.22	174.42	60					
174.42	174.64				crackle breccia		
174.64	174.79				breccia		More flowing and deformed than the crackle breccia. Surrounded on both sides by crackle breccia.
174.79	174.89				crackle breccia		
174.89	176.34	60	315	44			
176.34	176.65				fault		schist is very altered (clay) and flaking.
176.65	177.30						
177.30	177.63				breccia		very deformed and flowing.
177.63	178.04	60	315	44			boudins after breccia
178.04	178.31	45	297	52			
178.31	178.40	60					
178.4	178.70				contact	60	contacts between mgran dyke and schist.
178.7	178.83	60					
178.83	178.93				breccia		
178.93	179.06	60					
179.06	179.31				contact	30 +70	contact between pmgran dyke and schist. Upper contact is 30, lower contact is 70.
179.31	179.50	70					
179.5	179.73				contact	70	contacts between pmgran dyke and schist.
179.73	181.06	70					
181.06	181.16				fault	70	schist is very altered (clay) and flaking.
181.16	182.23	70					Minor offsets within interval
182.23	182.37	85					
182.37	182.48	70					

Structure							
Depth From (m)	DepthTo (m)	foliation CA	foliation strike	foliation dip	Struct_type1	Struct_CA1	Struct_description
117.64	122.70				breccia		minor breccias and offsets throughout interval. Silica rich. Foliation in schist varies throughout between 40-50.
122.7	123.43				breccia		fault breccia? Clay and silica rich matrix.
123.43	125.44	40					
125.44	126.24				crackle breccia		very little cement.
126.24	130.25	40					
130.25	130.83				breccia		
130.83	134.60	30-45			fault		foliation of schist within fault zone varies from 30-45. Some areas within zone are more altered than others (possibly more than one fault?).
134.6	135.03	40					
135.03	135.13				fault	35	
135.13	138.09	40					Beta angle on OC is 40.
138.09	138.25				fault	40	schist is very altered (clay) and flaking.
138.25	138.35	40					
138.35	138.45				fault	40	schist is very altered (clay) and flaking.
138.45	138.69	30					
138.69	138.84				fault	40	schist is very altered (clay) and flaking. 3cm vein of clay, qtz, pyr within fault.
138.84	139.14						
139.14	139.29				fault	40	schist is very altered (clay) and flaking.
139.29	139.97	40					
139.97	140.08				breccia	40	very little cement (silica). Some mineralization.
140.08	140.68	40					
140.68	140.87				breccia/fault	40	clay altered and flakey schist as well as slightly brecciated schist at edges.
140.87	142.96	40					Some minor offsets and deformation within this portion
142.96	143.16				fault	30	schist is very altered (clay) and flaking.
143.16	143.31	20					minor deformation and offsets.
143.31	144.16	35					minor deformation and offsets.
144.16	145.46	70					minor deformation and offsets.
145.46	145.69				crackle breccia		very little displacement and cement.
145.69	146.24	50					
146.24	146.30				breccia	50	deformation around breccia. Heterogeneous (shcist and mgran). Silica cement.
146.3	147.32				breccia		very little displacement. Veins/patches of more cement of clay, qtz, and sox. Overall little cement.
147.32	147.55				fault	50	schist is very altered (clay) and flaking.
147.55	147.90				breccia		minor displacement. Silica and clay cement (not much cement).
147.90	148.00	50					
148.00	155.04				fault		schist is very altered (clay) and flaking. Minor breccias within fault zone. (silica and clay cement).
155.04	155.21				breccia		
155.21	155.29				minor folds		Parasitic folds? ~2cm from anticline to syncline. Trend is ~ a 75 degree angle.
155.29	155.55	55					
155.55	155.65				fault	55	
155.65	156.45	55					
156.45	156.63				breccia	30	silica and clay cement. Minor folds within breccia (~ 75 trend angle).
156.63	160.04				fault	30	schist is very altered to clay and flakey. Some brecciation throughout.
160.04	160.19				crackle breccia		silica cemented.

Structure

Depth From (m)	DepthTo (m)	foliation CA	foliation strike	foliation dip	Struct_type1	Struct_CA1	Struct_description
90.33	94.35				breccia		much more silicified clasts with limonite and silica and clay cement (Predominantly silica).
94.35	94.89				breccia		fault breccia?
94.89	102.42				breccia		silicified with vein? Breccias with limonite cement within the larger silicified breccia.
102.42	102.64						
102.64	102.65	60					
102.65	102.88				breccia		heterogeneous breccia with mgran and schist.
102.88	103.87	60					Beta angle of OC is 330
103.87	110.41	45			breccia		lots of crackle breccia within interval, as well as hydrothermal vein? And silica rich matrix breccia. Not a lot of displacement overall.
110.41	110.51				crackle breccia		
110.51	110.56	70					
110.56	110.70	50					
110.7	111.00	80					
111	111.18	60					
111.18	111.64				breccia		fault breccia? Very little cement. Foliation of schist is pulled and warped with small breccia clasts and intense alteration.
111.64	112.05	60					
112.05	112.35	50					
112.35	113.90				breccia		foliation warped and pulled (~10 degreees general trend for foliation in some areas, swirls in others) and slight bleaching.
113.9	114.45	75					
114.45	116.02				breccia		overprtinting and alteration? Hard to tell what happened. Warping of foliation, displacement, not much cement. Oxidation after movement.
116.02	116.07				breccia		Lots of fluid movement. Hydrothermal vein? Silica rich matrix within "vein" and fairly small ~ 1cm subrounded-subangular clasts. Sulphide staining within silca as well as sulphide veins.
116.07	116.22				faults		Very silicified and brecciated. Two points with slicken sides. 116.22, and 116.07. Darker silica (sulphides?) at these points.
116.22	116.46	10			breccia		overprtinting and alteration? Hard to tell what happened. Warping of foliation, displacement, not much cement. Oxidation after movement.
116.46	116.56				breccia		hydrothermal vein? Silica rich cement. Appears to cross-cur mineralized veins (post deformation and mineralization).
116.56	116.86				breccia		overprtinting and alteration? Hard to tell what happened. Warping of foliation, displacement, not much cement. Oxidation after movement.
116.86	116.89				breccia		vein breccia? Silica matrix. Cross-cuts some mineralized veins, but contains small subrounded, massive pyr clasts.
116.89	117.64				breccia		overprtinting and alteration? Hard to tell what happened. Hard to tell if rock is mgran or extremely altered schist. Oxidation after movement.

Structure							
Depth From (m)	DepthTo (m)	foliation CA	foliation strike	foliation dip	Struct_type1	Struct_CA1	Struct_description
67.82	67.92				fault?		entire zone is turned to sand and clay. Very mineralized (lots of pyr and most likely sox within qtz grains). Contact between mgran and sch. Both rock types are darker to either side and have pyr stringers.
67.92	68.24	55					
68.24	68.53				minor folding		~2.5cm folds (peak to trough) within schist. Schist is very deformed and loss of cohesion. Heavily fractured by stringer veins. Fold trend is 35 degrees.
68.53	73.77	55					
73.77	74.25	70					
74.25	74.44				breccia		silica, hematite and limonite cement (20% silica, 70% lim, 10% hem). At contact between mgran and schist.
74.44	75.34	70					
75.34	76.30	55					
76.3	76.36				crackle breccia		very little cement. What is there is mostly qtz with possible sox (the qtz is a dark grey, but hard to tell composition due to alteration).
76.36	77.05						
77.05	77.08				?		very small folding to either side of a clay vein. The vein has a dark grey clay selvage.
77.08	79.40	55					
79.4	79.45				minor offsets		
79.53	79.78				breccia		vein breccias? Qrtz veins are brecciated and offset. Limonite and hematite cemented vein crosscuts one of the qrtz veins and the clasts are of the qrtz vein.
80.37	80.65				breccia		very little cement. Qrtz cement.
81.45	81.76				breccia		very little cement. Qrtz cement.
82.07	82.45				breccia		heterogeneous clasts. Mgran, small amout of schist. Qrtz cemented, very little. Looks as though there is is also a mix of lineated mgran and none-lineated?
82.83	83.39				breccia		vein breccias? Some veins of silica (none crystalline) as well as some offset crystalline veins. Overall, not much cement.
83.39	83.47				breccia		chunk of unoxidized/bleached schist? Darker grey, but now patchy alteration to clay and silicified?
83.47	84.03				breccia		Still little cement. Some veins of qtz with mgran and qtz clasts.
84.03	84.60				breccia		more possible grey schist as well as a large 10cm qtz vein. "Schist" more silicified than previous patch.
84.6	84.98				breccia		silica cemented, but still not much cement.
85.82	89.25				breccia		Much more brecciated than the previous breccia. Much more silicification. Some limonite in cement, lost of silica. 87.07-87.42m less silicified and very clay altered.
89.25	90.04				breccia		Less silica cement. More limonite. Large qtz vein also brecciated.
90.04	90.33				breccia		large schist? Clast? Foliated. Silicified.

Hole: GRD08-79
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Logger: Zuzka Gazdik

Structure

Depth From (m)	DepthTo (m)	foliation CA	foliation strike	foliation dip	Struct_type1	Struct_CA1	Struct_description
6.34	12.39	40					
12.39	12.46				breccia		limonite matrix/cement with qtz selvage.
12.46	13.40	40					
13.4	15.55	50					
15.55	15.73	65					
15.73	15.82				breccia		limonite cement.
15.82	18.66	65					
18.66	19.74	25					
19.74	21.17	70					
21.17	21.51				breccia		fault breccia. Silicified matrix.
21.51	22.47	70					
22.47	22.51				breccia		clay and limonite cement.
22.51	24.54	70					
24.54	27.12	80					
27.12	27.43				breccia		brecciated on both sides of microgranite intrusion
27.43	31.16	80					
31.16	31.23				breccia		between two microgranite intrusions
31.23	32.37	80					
32.37	32.86				breccia		crackle breccia within schist for 0.25m, then microgranite and schist clasts with silica matrix.
32.86	33.38	80					
33.38	34.46				breccia		very oxidized matrix (limonite) with schist and microgranite clasts, then crackle breccia within schist. Trace pyr.
34.46	35.48	80					
35.48	35.60				breccia		hydrothermal breccia? Silica rich matrix and heterogeneous clasts of mgran and sch.
35.6	36.55	80					
36.55	36.73				breccia		breccia surrounding microgranite intrusion
36.73	37.34	80					
37.34	37.38	breccia					fault breccia and fault at 37.38m. Fault has sericite and possibly scorodite.
37.46	39.93	80					
39.93	40.43				breccia		heterogeneous clasts. Hydrothermal breccia?
40.43	43.48	80					
43.48	43.87	40					
43.87	43.97	80					
43.97	44.88	40					
44.88	48.13	60					
48.13	48.27	75					
48.27	48.57	60					
48.57	52.04	40					
52.04	52.72				breccia		
52.72	53.02	40					
53.02	53.13	75					
53.13	53.16				breccia		
53.16	54.67	75					
54.67	54.71				fault	35	clay, limonite and sericite?
54.71	54.80	75					
54.8	54.84				breccia/fault	35	fault breccia
54.84	57.35	75					
57.35	57.40				breccia		
57.4	57.60	75					
57.6	57.65				breccia	35	limonite and hem cement.
57.65	58.88	75					
58.88	58.93	50			breccia		vein breccia? Qtz "vein" brecciated with hem and lim stain-like selvages ~ 1cm in width.
58.93	59.85	75					
59.85	63.65				breccia		varying silica and limonite cement. Some qtz veins with leaching and limonite within vugs.
63.65	64.83	75					
64.83	65.17				breccia		
65.78	67.82	55					

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*Structure and Veining information found in separate booklets

Lithology									Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_descriptio n1		Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
291.21	291.41	0.2	granite	lineated	2	quartz , feldspar, mafics	has schist xenoliths		Absent	grey	pyrite, sulphides	massive	Some pyr found within foliation of schist and in mgran/gran. Replacing biotite?	silica, biotite	
291.41	292.90	1.49	Biotite quartz feldspar schist	foliated	1	biotite, quartz , feldspar	large parts are very silicified. Some small gran intrusions. Slightly magnetic		Absent	grey	pyrite, sulphides	massive	Some pyr found within foliation of schist and in mgran/gran. Replacing biotite?	silica, biotite	
292.90	295.00	2.1	granite	slightly lineated	2	quartz , feldspar, mafics	very silicified.		Absent	grey	pyrite, sulphides	massive	Some pyr found within foliation of schist and in mgran/gran. Replacing biotite?	biotite, silica, chlorite	Trace patchy epidote
295.00	300.64	5.64	granite	slightly lineated	2	quartz , feldspar, mafics	very silicified.		Absent	grey	pyrite, sulphides	massive	Some pyr found within foliation of schist and in mgran/gran. Replacing biotite?	silica	Trace epidote in strgrs and vns
295.00	308.06	13.1	Biotite quartz feldspar schist	foliated	1	quartz , feldspar, biotite	some small gran intrusions. Drill metal on core. Very silicified(overprint) Believe that there was ~60% bio. Slightly magnetic		Absent	grey	pyrite, sulphides	massive	Some pyr found within foliation of schist and in mgran/gran. Replacing biotite?	silica	Trace epidote in strgrs and vns

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Lithology								Oxidation		Mineralization			Alteration	
Depth From (m)	Depth To (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_description1	Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
274.85	274.90	0.05	micro-granite	lineated	1	quartz , feldspar, mafics		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	crb is decreasing down the hole.
274.9	277.67	2.77	Biotite quartz feldspar schist	foliated	1	biotite, quartz , feldspar	has small mgran/gran intrusions throughout interval. Slightly silicified.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist and in mgran/gran. Replacing biotite?	chlorite, carbonate, clay	crb is decreasing down the hole.
277.67	281.27	3.6	Biotite quartz feldspar schist	foliated	1	biotite, quartz , feldspar	has small mgran/gran intrusions throughout interval. Slightly silicified.	Absent	grey	pyrite, sulphides, arsenopyrite, chalcopyrite	massive	Some pyr found within foliation of schist and in mgran/gran. Replacing biotite?	chlorite, carbonate, clay	
281.27	282.05	0.78	granite	slightly lineated	2	quartz , feldspar, mafics		Absent	grey	pyrite, sulphides, arsenopyrite, chalcopyrite	massive	Some pyr found within foliation of schist and in mgran/gran. Replacing biotite?	chlorite, clay, carbonate	
282.05	283.20	1.15	Biotite quartz feldspar schist	foliated	1	biotite, quartz , feldspar	silicified	Absent	grey	pyrite, sulphides, arsenopyrite, chalcopyrite	massive	Some pyr found within foliation of schist and in mgran/gran. Replacing biotite?	chlorite, biotite, carbonate, silica	
283.2	284.21	1.01	granite	slightly lineated	1-2	quartz , feldspar, mafics	has schist xenoliths	Absent	grey	pyrite, sulphides, arsenopyrite, chalcopyrite	massive	Some pyr found within foliation of schist and in mgran/gran. Replacing biotite?	chlorite, biotite, carbonate, silica	
284.21	284.94	0.73	Biotite quartz feldspar schist			biotite, quartz , feldspar	some small gran intrusions. Drill metal on core. Very silicified(overprint) Believe that there was ~60% bio. Slightly magnetic	Absent	grey	pyrite, pyrhotite	massive	Some pyr found within foliation of schist and in mgran/gran. Replacing biotite?	chlorite, biotite, carbonate, silica	
284.94	287.39	2.45	granite	slightly lineated	2	quartz , feldspar, mafics	Some of the groundmass is a little finer. Some schist xenoliths near lower contact.	Absent	grey	pyrite, sulphides	massive	Some pyr found within foliation of schist and in mgran/gran. Replacing biotite?	chlorite, biotite, carbonate, silica	
287.39	291.21	3.82	Biotite quartz feldspar schist	foliated	1	biotite, quartz , feldspar	some metal from drill on core. Slightly magnetic	Absent	grey	pyrite, sulphides	massive	Some pyr found within foliation of schist and in mgran/gran. Replacing biotite?	chlorite, biotite, carbonate, silica	

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*Structure and Veining information found in separate booklets

			Lithology					Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_description1	Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
257.31	257.92	0.61	granite	slightly foliated	1-2	quartz , feldspar, mafics	very mixed with bleached schist and hard to tell apart.	Absent	grey	pyrite, chalcopyrite, arsenopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
257.92	259.26	1.34	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	Some parts are not bleached and have 60% bio.	Absent	grey	pyrite, chalcopyrite, arsenopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, secondary, biotite, clay, carbonate	bio is in patches. Parts of this interval have none.
259.26	259.36	0.1	porphyritic micro-granite	slightly lineated	1-2	quartz , feldspar, mafics		Absent	grey	pyrite, chalcopyrite, arsenopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, secondary, biotite, clay, carbonate	bio is in patches. Parts of this interval have none.
259.36	260.20	0.84	Quartz feldspar biotite schist	foliated	1	quartz , feldspar,	bleached. Bio ~60% before bleaching?	Absent	grey	pyrite, chalcopyrite, arsenopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	
260.2	260.25	0.05	granite	equigranular	2	feldspar, quartz , mafics	Dyke	Absent	grey	pyrite, chalcopyrite, arsenopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	
260.25	262.00	1.75	Quartz feldspar biotite schist	foliated	1	quartz , feldspar	2m section of breccia that is a mix of gran and schist. Dominantly bleached schist. Also some small gran dykes and sections of schist with ~60% bio.	Absent	grey	pyrite, chalcopyrite, arsenopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	
262	272.50	10.5	Quartz feldspar biotite schist	foliated	1	quartz , feldspar	2m section of breccia that is a mix of gran and schist. Dominantly bleached schist. Also some small gran dykes and sections of schist with ~60% bio.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, secondary, biotite, clay, carbonate	
272.5	272.60	0.1	granite	lineated	2	quartz , feldspar, mafics		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	crb is decreasing down the hole.
272.6	274.85	2.25	Biotite quartz feldspar schist	foliated	1	biotite, quartz , feldspar	silicified.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	crb is decreasing down the hole.

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*Structure and Veining information found in separate booklets

			Lithology					Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_description1	Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
240.82	240.91	0.09	granite	slightly lineated	2	feldspar, quartz , mafics	May be more granodiorite?	Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
240.91	241.13	0.22	Biotite quartz feldspar schist	foliated	1	biotite, quartz , feldspar		Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
241.13	241.30	0.17	granite	slightly foliated	2	feldspar, quartz , mafics	May be more granodiorite?	Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
241.3	245.74	4.44	Biotite quartz feldspar schist	foliated	1	biotite, quartz , feldspar	some small gran/mgran? Dykes in interval. Near some contacts very silicified and somewhat bleached. Pyr in foliation. ~1%	Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	
245.74	246.16	0.42	micro-granite	lineated	1	quartz , feldspar, mafics	Mgrans and Pmgrans with mafics in log may or may not be mgran/pmgran. May be fine grained gran?	Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	
246.16	251.36	5.2	Biotite quartz feldspar schist	foliated	1	biotite, quartz , feldspar	At ~ 247.62 mgran dyke sort of brecciating schist, but minor.	Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	
251.36	251.56	0.2	porphyritic micro-granite	slightly lineated	1	quartz , feldspar, mafics	lots of schist xenoliths within dyke. Schist around is very bleached and silicified.	Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
251.56	253.43	1.87	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	believe that there was ~60% biotite, but leached out. Some small mgran dykes in interval (~1-8cm).	Absent	grey	pyrite, chalcopyrite, arsenopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
253.43	257.31	3.88	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	believe that there was ~60% biotite, but leached out. Some small mgran dykes in interval (~1-8cm).	Absent	grey	pyrite, chalcopyrite, arsenopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	

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*Structure and Veining information found in separate booklets

			Lithology					Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_description1	Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
229.26	229.67	0.41	Quartz biotite feldspar schist	foliated	1	quartz , biotite, feldspar	bio is partially altered to chl	Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
229.67	229.75	0.08	micro-granite	lineated	1	quartz , feldspar	Dyke	Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
229.75	231.35	1.6	Quartz biotite feldspar schist	foliated	1	quartz , biotite, feldspar	bio is partially altered to chl. Some small mgran dykes/veins in this interval (~1.5cm).	Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
231.35	231.48	0.13	micro-granite	lineated	1	quartz , feldspar	Dyke. Schist xenoliths.	Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
231.48	232.73	1.25	Biotite quartz feldspar schist	foliated	1	biotite, quartz , feldspar	bio is partially altered to chl	Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
232.73	233.34	0.61	porphyritic micro-granite	lineated	1-2	quartz , feldspar, mafics	Schist brecciated by pmgran near lower contact.	Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
233.34	235.32	1.98	Biotite quartz feldspar schist	foliated	1	biotite, quartz , feldspar	Some small mgran dykes throughout interval.	Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
235.32	236.03	0.71	micro-granite	lineated	1	quartz , feldspar, mafics	Mgran has brecciated schist and has large schist xenoliths.	Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
236.03	240.17	4.14	Biotite quartz feldspar schist	foliated	1	biotite, quartz , feldspar	Some small mgran dykes within this interval (~3-5cm) Some parts of the schist appear to have lost foliation.	Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, secondary, biotite, carbonate, clay	
240.17	240.41	0.24	micro-granite	lineated	1	quartz , feldspar, mafics	has schist xenoliths, and much courser grains near lower contact.	Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
240.41	240.82	0.41	Biotite quartz feldspar schist	foliated	1	biotite, quartz , feldspar		Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	

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Lithology									Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_description1		Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
224.86	225.17	0.31	micro-granite	lineated	1	quartz , feldspar	Dyke		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
225.17	225.49	0.32	Quartz feldspar biotite schist	foliated	1	quartz , feldspar	Belive biotites were present ~30%. Silicified. Some massive pyr clusters.		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
225.49	225.55	0.06	micro-granite	lineated	1	quartz , feldspar	Dyke		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
225.55	226.22	0.67	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	Very silicified.		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
226.22	226.86	0.64	porphyritic micro-granite	slightly lineated	1-2	quartz , feldspar, mafics?	mafics replaced by pyr. Schist xenoliths near lower contact.		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
226.86	227.50	0.64	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, pyr	Believe that there was biotite (~30%), but *rock altered by mgran* contact. Very silicified.massive pyr clusters.		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
227.65	228.00	0.35	micro-granite	lineated	1	feldspar, quartz	some schist xenoliths		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
228	228.39	0.39	Quartz biotite feldspar schist	foliated	1	quartz , biotite, feldspar	bio is partially altered to chl		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
228.39	228.47	0.08	micro-granite	lineated	1	quartz			Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
228.47	229.23	0.76	Quartz biotite feldspar schist	foliated	1	quartz , biotite, feldspar	bio is partially altered to chl		Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
229.23	229.26	0.03	micro-granite	lineated	1	quartz			Absent	grey	pyrite, chalcopyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.

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Lithology									Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_descriptio n1		Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
218.5	221.17	2.67	Quartz feldspar biotite schist	foliated	1	quartz , feldspar	Belive biotites were present ~30%, but some leached out? Silicified. Some massive pyr clusters ~1%		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
221.17	221.19	0.02	micro-granite	lineated	1-2mm	quartz , feldspar, mafics?	Dyke/vein. Some massive pyr clusters. Replacing mafics? Grain size is finer in some areas and courser in others.		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
221.19	222.56	1.37	Quartz feldspar biotite schist	foliated	1	quartz , feldspar	Belive biotites were present ~30%, but some leached out? Silicified. Some massive pyr clusters ~1%		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
222.56	222.66	0.1	micro-granite	lineated	1	quartz , feldspar	Dyke		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
222.66	222.81	0.15	Quartz feldspar biotite schist	foliated	1	quartz , feldspar	Belive biotites were present ~30%, but some leached out? Silicified		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
222.81	222.83	0.02	micro-granite	lineated	1-2mm	quartz , feldspar, mafics?	Dyke/vein. Some massive pyr clusters. Replacing mafics?		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
222.83	224.14	1.31	Quartz feldspar biotite schist	foliated	1	quartz , feldspar	Belive biotites were present ~30%, but some leached out? Silicified		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
224.14	224.16	0.02	micro-granite	lineated	1-3mm	quartz , feldspar, mafics?	Dyke/vein. Some massive pyr clusters. Replacing mafics?		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
224.16	224.86	0.7	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	Belive biotites were present ~30%, but some leached out? Silicified. Some massive pyr clusters ~1%		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.

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			Lithology					Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_description1	Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
208.89	212.73	3.84	micro-granite	lineated	1	feldspar, quartz , mafics		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
212.73	214.80	2.07	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	
214.80	215.19	0.39	micro-granite	lineated	1	feldspar, quartz , mafics	mafics are replaced by chl and pyr	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
215.19	215.39	0.2	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
215.39	215.50	0.11	micro-granite	lineated	1	quartz , feldspar, mafics?	mafics are replaced by chl and pyr	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
215.50	216.53	1.03	Quarz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	silicified	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
216.53	216.83	0.3	micro-granite	lineated	1	quartz , feldspar, mafics?	mafics are replaced by chl and pyr. Lots of schist xenoliths.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
216.83	217.83	1	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
217.83	217.87	0.04	porphyritic micro-granite	lineated	1-2mm	quartz , feldspar, mafics?	mafics are replaced by chl and pyr	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
217.87	218.22	0.35	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.
218.22	218.50	0.28	porphyritic micro-granite	lineated	1-2mm	quartz , feldspar, mafics?	mafics are replaced by chl and pyr	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	some small patches of more intensely altered rock.

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Lithology								Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_description1	Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
203.78	204.96	1.18	Quartz feldspar biotite schist	foliated	1	biotite, quartz , feldspar		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
204.96	205.07	0.11	micro-granite	strongly lineated	1	feldspar, quartz		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
205.07	205.74	0.67	Quartz feldspar biotite schist	foliated	1	biotite, quartz , feldspar		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
205.74	207.15	1.41	Quartz feldspar biotite schist	foliated	1	biotite, quartz , feldspar	Drill metal scoring marks on core.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
207.15	207.17	0.02	Quartz feldspar biotite schist	foliated	1	biotite, quartz , feldspar		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
207.17	207.53	0.36	micro-granite	lineated	1	feldspar, quartz		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
207.53	207.81	0.28	Quartz feldspar biotite schist	foliated	1	biotite, quartz , feldspar		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
207.81	207.90	0.09	micro-granite	lineated	1	feldspar, quartz		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
207.90	208.13	0.23	Quartz feldspar biotite schist	foliated	1	biotite, quartz , feldspar		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
208.13	208.21	0.08	micro-granite	lineated	1	feldspar, quartz , mafics	Silicified on edges, but not in center.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
208.21	208.89	0.68	Quartz feldspar biotite schist	foliated	1	biotite, quartz , feldspar		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.

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*Structure and Veining information found in separate booklets

			Lithology					Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_description1	Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
193.77	193.88	0.11	micro-granite	lineated	1	quartz , feldspar, mafics		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay, carbonate	
193.88	193.95	0.07	Quartz feldspar biotite schist	foliated	1	biotite, quartz , feldspar		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
193.95	194.14	0.19	micro-granite	lineated	1	feldspar, quartz		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
194.14	198.05	3.91	Quartz feldspar biotite schist	foliated	1	biotite, quartz , feldspar		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
198.05	198.30	0.25	micro-granite	lineated	1	quartz , feldspar, mafics		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
198.30	199.00	0.7	Quartz feldspar biotite schist	foliated	1	biotite, quartz , feldspar		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
199.00	199.70	0.7	micro-granite	lineated	1	quartz , feldspar		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
199.70	203.11	3.41	Quartz feldspar biotite schist	foliated	1	biotite, quartz , feldspar		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
203.11	203.13	0.02	micro-granite	lineated	1	quartz , feldspar		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
203.13	203.72	0.59	Quartz feldspar biotite schist	foliated	1	biotite, quartz , feldspar		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.
203.72	203.78	0.06	micro-granite	lineated	1	feldspar, quartz		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	some small patches of more intensely altered rock.

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Lithology								Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_description1	Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
185.52	185.53	0.01	micro-granite	lineated	1	quartz , feldspar, mafics	some mafics (biotite?) replaced by pyr ~1%.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
185.53	185.74	0.21	Quartz feldspar biotite schist	foliated	1	biotite, quartz , feldspar	biotite partially altered to chl	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
185.74	186.04	0.3	micro-granite	lineated	1-2mm	quartz , feldspar, mafics	Grains are smaller in some areas and larger in others.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
186.04	186.70	0.66	Quartz feldspar biotite schist	foliated	1	biotite, quartz , feldspar		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	small patches of more intensely altered rock.
186.70	186.88	0.18	micro-granite	lineated	1-2mm	quartz , feldspar, mafics	Some areas have larger grains. Looks like the dyke has undergone some metamorphism resulting in the grain size variation.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	small patches of more intensely altered rock.
186.88	189.57	2.69	Quartz feldspar biotite schist	foliated	1	biotite, quartz , feldspar	Pyr within foliation. ~5%.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	small patches of more intensely altered rock.
189.57	189.70	0.13	micro-granite	lineated	1	quartz , feldspar, mafics		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	small patches of more intensely altered rock.
189.70	190.70	1	Quartz feldspar biotite schist	foliated	1	biotite, quartz , feldspar		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	small patches of more intensely altered rock.
190.70	190.74	0.04	micro-granite	lineated	1.5	quartz , feldspar, mafics		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	small patches of more intensely altered rock.
190.74	193.77	3.03	Quartz feldspar biotite schist	foliated	1	biotite, quartz , feldspar		Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	small patches of more intensely altered rock.

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Lithology								Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_description1	Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
169.57	174.39	4.82	Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	biotites altered to chl and clay. Silicified. Crb in schist.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
174.39	174.46	0.07	porphyritic micro-granite	lineated	1-2.5mm	quartz , feldspar, mafics?	mafics replaced by sox	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
174.46	178.21	3.75	Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	biotites altered to chl and clay. Silicified. Crb in schist.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
178.21	178.51	0.3	micro-granite	slightly lineated	1	quartz , feldspar, mafics?	mafics replaced by sox	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
178.51	178.88	0.37	Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	biotites altered to chl and clay. Silicified. Crb in schist.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
178.88	179.11	0.23	porphyritic micro-granite	lineated	1-2.5mm	quartz , feldspar	mafics replaced by sox	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
179.11	179.29	0.18	Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	biotites altered to chl and clay. Silicified. Crb in schist.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
179.29	179.73	0.44	porphyritic micro-granite	lineated	1-2.5mm	quartz , feldspar, mafics?	mafics replaced by sox	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
179.73	181.17	1.44	Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	biotites altered to chl and clay. Silicified. Crb in schist.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
181.17	181.30	0.13	porphyritic micro-granite	lineated	1-2mm	quartz , feldspar, mafics?	mafics replaced by sox	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	
181.30	185.52	4.22	Quartz feldspar biotite schist	foliated	1	biotite, quartz , feldspar	biotites altered to chl and clay. Silicified. Crb in schist.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	

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Lithology								Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_description1	Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
157.51	159.69	2.18	Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	biotites are altered to chl and clay. Fds and qtz are partially altered to clay. Fault zone. Crb in schist.	Only at Fractures	faint orange grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay	
159.69	159.76	0.07	porphyritic micro-granite	lineated	1-2mm	quartz , feldspar, mafics?	mafics replaced with sox	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay	
159.76	159.79	0.03	Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	biotites are altered to chl and clay. Fds and qtz are partially altered to clay. Fault zone. Crb in schist.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay	
159.79	159.83	0.04	porphyritic micro-granite	lineated	1	quartz , feldspar, mafics?	mafics replaced with sox	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay	
159.83	163.73	3.9	Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	biotites are altered to chl and clay. Fds and qtz are partially altered to clay. Fault zone. Crb in schist.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay	
163.73	163.76	0.03	porphyritic micro-granite	lineated	1	quartz , feldspar, mafics?	mafics are replaced by sox	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay	Fault zone with small patches of less intensley altered rock.
163.76	166.15	2.39	Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	biotites are altered to chl and clay. Fds and qtz are partially altered to clay. Fault zone. Crb in schist.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay	Fault zone with small patches of less intensley altered rock.
166.15	166.78	0.63	porphyritic micro-granite	lineated	1	feldspar, quartz , mafics?	mafics are replaced by sox	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay	small patch of more intensely altered rock (fault).
166.78	169.52	2.74	Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	biotites altered to chl and clay. Silicified. Crb in schist.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay	small patch of less intensely altered rock.
169.52	169.57	0.05	micro-granite	slightly lineated	1	feldspar, quartz , mafics?	mafics replaced by sox	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, carbonate, clay	

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Lithology								Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_description1	Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
140.82	144.46	3.64	Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	very silicified. Not all biotite altered. What is altered is chl and ~5% pyr.	Only at Fractures	faint orange grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay	
144.46	147.33	2.87	micro-granite	lineated	1	quartz , feldspar, mafics?	mafics replaced with sox.	Only at Fractures	faint orange grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay	
147.33	147.90	0.57	Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	biotites altered to clay and chl. Fds partially altered to clay	Only at Fractures	faint orange grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay	
147.9	148.06	0.16	micro-granite	lineated	1	quartz , feldspar, mafics?	mafics replaced with sox.	Only at Fractures	faint orange grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay	
148.06	150.64	2.58	Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	biotites are altered to chl and clay. Fds and qtz are partially altered to clay. Fault zone. Crb in schist.	Only at Fractures	faint orange grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite\, clay	Few small patches of less intensely altered rock (mgran dyke). Most of this interval is fault zone.
150.64	150.85	0.21	micro-granite	lineated	1	quartz , feldspar, mafics?	mgran within fault zone. Mafics replaced with sox.	Only at Fractures	faint orange grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite\, clay	Few small patches of less intensely altered rock (mgran dyke). Most of this interval is fault zone.
150.85	153.52	2.67	Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	biotites are altered to chl and clay. Fds and qtz are partially altered to clay. Fault zone. Crb in schist.	Only at Fractures	faint orange grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite\, clay	Few small patches of less intensely altered rock (mgran dyke). Most of this interval is fault zone.
153.52	155.31	1.79	Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	biotites are altered to chl and clay. Fds and qtz are partially altered to clay. Fault zone. Crb in schist.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite\, clay	Few small patches of less intensely altered rock (mgran dyke). Most of this interval is fault zone.
155.31	155.75	0.44	micro-granite	lineated	1	quartz , feldspar, mafics?	mafics replaced with sox. Small schist layers within mgran.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay	
155.75	157.51	1.76	Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	biotites are altered to chl and clay. Fds and qtz are partially altered to clay. Fault zone. Crb in schist.	Absent	grey	pyrite	massive	Some pyr found within foliation of schist. Replacing biotite?	chlorite, clay	

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Lithology								Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_description1	Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
121.79	122.58	0.79	porphyritic micro-granite	slightly foliated	1-2mm	quartz , feldspar, mafics?	mafics have been replaced by sulphides. Silicified	<5cm from fractures	grey brown	pyrite, sulphides, arsenopyrite, chalcopyrite	disseminated+ massive+euhedral	Also in trace amounts (0.01) ttr,mal, and sulphates have been found within this interval.	clay	
122.58	123.03	0.45	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	Slightly bleached. biotites have been altered to clay, chl, and bleached.	<5cm from fractures	grey brown	pyrite, sulphides, arsenopyrite, chalcopyrite	disseminated+ massive+euhedral	Also in trace amounts (0.01) ttr,mal, and sulphates have been found within this interval.	clay	
123.03	124.15	1.12	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	Slightly bleached. biotites have been altered to clay, chl, and bleached.	<5cm from fractures	grey brown	pyrite, sulphides	massive		clay	
124.15	125.17	1.02	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	Slightly bleached. biotites have been altered to clay, chl, and bleached.	Only at Fractures	faint orange grey	pyrite, sulphides	massive		clay	
125.17	131.06	5.89	porphyritic micro-granite	slightly lineated	39449	quartz , feldspar, mafics?	mafics have been replaced by sulphides. Silicified. Also some minor schist clasts.	Only at Fractures	faint orange grey	pyrite, sulphides	massive		clay	Small more intensely altered section ~ 15cm at 128.80.
131.06	134.59	3.53	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	biotites have been altered to chl. Fds are altering to clay.	Only at Fractures	faint orange grey	pyrite, sulphides	massive		chlorite, clay	
134.59	135.33	0.74	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	very silicified.	Only at Fractures	faint orange grey	pyrite, sulphides	massive		chlorite, carbonate, clay	There are a few small sections of more intensely altered rock (fault zones).
135.33	138.90	3.57	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	very silicified.	Only at Fractures	faint orange grey	pyrite, sulphides	massive		chlorite, carbonate, clay	There are a few small sections of more intensely altered rock (fault zones).
138.9	139.06	0.16	micro-granite	lineated	1.5	feldspar, quartz		Only at Fractures	faint orange grey	pyrite	massive		chlorite, carbonate, clay	There are a few small sections of more intensely altered rock (fault zones).
139.06	140.82	1.76	Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	very silicified. Not all biotite altered. What is altered is chl and ~5% pyr.	Only at Fractures	faint orange grey	pyrite	massive		chlorite, clay	

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Lithology								Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_description1	Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
103.67	104.83	1.16	Quartz feldspar biotite schist	foliated	1	quartz , feldspar	bleached. believe biotite was present (~30%), but leached away/replaced. Feldspars altering to clay and sericite.	<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		clay	
104.83	104.87	0.04	micro-granite	lineated	1	quartz , feldspar		<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		clay	
104.87	109.96	5.09	Quartz feldspar biotite schist	foliated	1	quartz , feldspar	bleached. believe biotite was present (~30%), but leached away/replaced. Feldspars altering to clay.	<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		clay	
109.96	113.30	3.34	Quartz feldspar biotite schist	foliated	1	quartz , feldspar	bleached. believe biotite was present (~30%), but leached away/replaced. Feldspars altering to clay.	>5cm from fractures	orange tan	pyrite, sulphides	disseminated		clay	
113.3	113.53	0.23	micro-granite	slightly foliated	1	quartz , feldspar		<5cm from fractures	grey brown	pyrite, sulphides	disseminated		clay	
113.53	114.82	1.29	Quartz feldspar biotite schist	foliated	1	quartz , feldspar	bleached. believe biotite was present (~30%), but leached away/replaced. Feldspars altering to clay.	<5cm from fractures	grey brown	pyrite, sulphides	disseminated		clay	
114.82	117.10	2.28	Quartz feldspar biotite schist	foliated	1	quartz , feldspar	bleached. believe biotite was present (~30%), but leached away/replaced. Feldspars altering to clay.	<5cm from fractures	grey brown	pyrite, sulphides, arsenopyrite, chalcopyrite	disseminated+ massive+euhe dral	Also in trace amounts (0.01) ttr,mal, and sulphates have been found within this interval.	clay	
117.1	119.88	2.78	micro-granite	slightly foliated	1.5			<5cm from fractures	grey brown	pyrite, sulphides, arsenopyrite, chalcopyrite	disseminated+ massive+euhe dral	Also in trace amounts (0.01) ttr,mal, and sulphates have been found within this interval.	clay	
119.88	121.79	1.91	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	biotites are altered to chl, clay and bleached.	<5cm from fractures	grey brown	pyrite, sulphides, arsenopyrite, chalcopyrite	disseminated+ massive+euhe dral	Also in trace amounts (0.01) ttr,mal, and sulphates have been found within this interval.	clay	

Hole: GRD08-79
Zone: Nucleus
Logger: Zuzka Gazdik

*Structure and Veining information found in separate booklets

			Lithology					Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_description1	Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
75.53	76.00	0.47	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	biotite altered to chl, clay and limonite.	<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		clay	
76	79.78	3.78	micro-granite	strongly lineated	1	quartz , feldspar		<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		clay	
79.78	81.47	1.69	porphyritic micro-granite	slightly lineated	1-2mm	quartz , feldspar	Phenocrysts of fds~2-3mm. Pinkish colour due to hematite staining.	<5cm from fractures	light pink, light orange beige	pyrite, sulphides	disseminated		clay	
81.47	85.92	4.45	micro-granite	strongly lineated	1	quartz , feldspar	brecciated between pmgran and mgran.	<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		clay	
85.92	86.12	0.2	porphyritic micro-granite	slightly lineated	1-2mm	quartz , feldspar	silicified	<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		clay	
86.12	91.58	5.46	micro-granite	slightly lineated	1	quartz , feldspar	pmgran and mgran are occuring within large brecciated zone.	<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		clay	
91.58	100.87	9.29	porphyritic micro-granite	slightly lineated	1-2mm	quartz , feldspar	Within breccia zone. Some areas silicified.	<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		clay	
100.87	102.01	1.14	micro-granite	lineated	1.5	quartz , feldspar	slightly silicified	<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		clay	
102.01	102.41	0.4	porphyritic micro-granite	slightly lineated	1-2mm	quartz , feldspar	silicified	<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		clay	
102.41	102.64	0.23	micro-granite	slightly lineated	1	quartz , feldspar	silicified	<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		clay	
102.64	103.03	0.39	Quartz feldspar biotite schist	foliated	1	quartz , feldspar	bleached. believe biotite was present (~30%), but leached away/replaced. Feldspars altering to clay.	<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		clay	
103.03	103.08	0.05	micro-granite	slightly lineated	1	quartz , feldspar	silicified	<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		clay	
103.08	103.64	0.56	Quartz feldspar biotite schist	foliated	1	quartz , feldspar	bleached. believe biotite was present (~30%), but leached away/replaced. Feldspars altering to clay.	<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		clay	
103.64	103.67	0.03	micro-granite	lineated	1-2mm	quartz , feldspar	Outer edges consist of larger grain size.	<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		clay	

Hole: GRD08-79
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*Structure and Veining information found in separate booklets

			Lithology					Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_description1	Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
65.15	65.43	0.28	Quart feldspar biotite schist	foliated	1	feldspar, quartz	Believe that there was biotite (30%), but has been altered to limonite, hematite and clay. Very altered here and may be a lot of loss of material.	<5cm from fractures	orange grey	pyrite	massive		clay	
65.43	65.69	0.26	micro-granite	strongly lineated	1	quartz , feldspar		Only at Fractures	faint orange green	pyrite	massive		clay	
65.69	66.49	0.8	Quartz feldspar biotite schist	foliated	1	feldspar, biotite, quartz	biotites are altered to clay and chl.	Only at Fractures	faint orange green	pyrite	massive		clay	
66.49	67.34	0.85	micro-granite	slightly lineated	1	quartz , feldspar		<5cm from fractures	light orange green	pyrite	massive		chlorite, clay	
67.34	67.59	0.25	Quart feldspar biotite schist	foliated	1	quartz , feldspar, biotite	biotites are altered to chl and clay	<5cm from fractures	light orange green	pyrite, sulphides	massive		chlorite, clay	
67.59	67.83	0.24	micro-granite	slightly lineated	1.5	quartz , feldspar		<5cm from fractures	light orange green	pyrite, sulphides	massive		chlorite, clay	
67.83	70.95	3.12	Quartz feldspar biotite schist	foliated	1	feldspar, quartz , biotite	biotites are altered to chl and clay	Only at Fractures	faint orange green	pyrite, sulphides	massive		chlorite, clay	
70.95	70.97	0.02	micro-granite	equigranular	2	quartz , feldspar		Only at Fractures	faint orange green	pyrite, sulphides	massive		chlorite, clay	
70.97	72.15	1.18	Quartz feldspar biotite schist	foliated	1	feldspar, quartz , biotite	biotites are altered to chl and clay	Only at Fractures	faint orange green	pyrite, sulphides	disseminated		chlorite, clay	
72.15	73.02	0.87	Quartz feldspar biotite schist	foliated	1	feldspar, quartz , biotite	biotites are altered to chl and clay	<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		chlorite, clay	
73.02	73.24	0.22	micro-granite	lineated	2	quartz , feldspar		<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		chlorite, clay	
73.24	73.77	0.53	Quartz feldspar biotite schist	foliated	1.5	quartz , feldspar, biotite	biotites have been altered to chl and limonite.	<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		chlorite, clay	
73.77	74.35	0.58	Quartz feldspar biotite schist	foliated	1.5	quartz , feldspar, biotite	biotites have been altered to chl and limonite.	>5cm from fractures	orange tan	pyrite, sulphides	disseminated		clay	
74.35	74.90	0.55	micro-granite	strongly lineated	1	quartz , feldspar		<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		clay	
74.9	75.53	0.63	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	biotite altered to chl, clay and limonite.	<5cm from fractures	light orange tan	pyrite, sulphides	disseminated		chlorite, clay	

Hole: GRD08-79
Zone: Nucleus
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*Structure and Veining information found in separate booklets

Lithology								Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_descriptio n1	Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
50.06	50.70	0.64	micro-granite	lineated	1	quartz , feldspar	silicified and contains a lot of stringer veins with pyr (~ 8% stringers).	<5cm from fractures	orange grey	pyrite	massive		clay	
50.7	51.24	0.54	Quartz feldspar biotite schist	foliated	1	quartz , feldspar	bleached. Believed biotites were present (~30%).	<5cm from fractures	light orange tan	pyrite	massive		clay	
51.24	52.00	0.76	micro-granite	slightly lineated	1	quartz , feldspar	most of the fds is clay altered and some has been leached away.	>5cm from fractures	orange tan	pyrite	massive		clay	
52	52.72	0.72	micro-granite	slightly lineated	1	quartz , feldspar	most of the fds is clay altered and some has been leached away.	<5cm from fractures	light orange beige	pyrite	massive		clay	
52.72	53.30	0.58	Quartz feldspar biotite schist	foliated	1	quartz , feldspar	heavily oxidized (3). Biotites altered to limonite and clay.	>5cm from fractures	orange tan	pyrite	massive		clay	
53.3	53.66	0.36	micro-granite	slightly lineated	1	quartz , feldspar		<5cm from fractures	light pink, light orange beige	pyrite	massive		clay	
53.66	54.29	0.63	unk	slightly foliated	1-10mm	quartz , feldspar, mica?	porphyritic. Large quartz phenocrysts that may have once been fds. Possible mica now altered to limonite and clay. Silicified (overprint).	<5cm from fractures	light pink, light orange beige	pyrite	massive		clay	
54.29	59.22	4.93	micro-granite	slightly lineated	1.5-2	quartz , feldspar	larger grains near contanct with unk. Silicified.	<5cm from fractures	light pink, light orange beige	pyrite	massive		clay	
59.22	63.40	4.18	micro-granite	slightly lineated	1.5-2	quartz , feldspar	larger grains near contanct with unk. Silicified.	<5cm from fractures	light orange beige	pyrite	massive		clay	
63.4	64.51	1.11	micro-granite	slightly lineated	1.5-2	quartz , feldspar	larger grains near contanct with unk. Silicified.	>5cm from fractures	orange dark tan	pyrite	massive		clay	
64.51	64.63	0.12	Quartz feldspar biotite schist	foliated	1	quartz , feldspar	Believe that there was biotite (30%), but has been altered to limonite and clay.	<5cm from fractures	orange grey	pyrite	massive		clay	
64.63	65.15	0.52	micro-granite	slightly lineated	1	quartz , feldspar		<5cm from fractures	orange grey	pyrite	massive		clay	

Hole: GRD08-79
Zone: Nucleus
Logger: Zuzka Gazdik

*Structure and Veining information found in separate booklets

			Lithology					Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_description1	Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
40.78	41.21	0.43	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	somewhat bleached. Biotites altered to clay and limonite	>5cm from fractures	orange tan	pyrite	massive		clay	
41.21	41.51	0.3	micro-granite	lineated	1.5	quartz , feldspar	dyke. Fds altering to clay.	<5cm from fractures	light pink, light orange beige	pyrite	massive		clay	
41.51	41.58	0.07	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	somewhat bleached. Biotites altered to clay and limonite	<5cm from fractures	light orange beige	pyrite	massive		clay	
41.58	41.71	0.13	micro-granite	slightly lineated	1.5	quartz , feldspar	dyke. Fds altering to clay.	>5cm from fractures	orange dark tan	pyrite	massive		clay	
41.71	42.08	0.37	Quartz feldspar biotite? schist	foliated	1	quartz , feldspar, biotite	somewhat bleached. Biotites altered to clay and limonite	>5cm from fractures	orange tan	pyrite	massive		clay	
42.08	42.31	0.23	micro-granite		1.5	quartz , feldspar	dyke. Fds altering to clay.	>5cm from fractures	orange tan	pyrite	massive		clay	
42.31	43.14	0.83	Quartz feldspar biotite? schist	foliated	1	quartz , biotite, feldspar	somewhat bleached. Most biotites altered to clay and limonite. Some overprint silicification, and preserved biotite in overprint zones.	>5cm from fractures	orange tan	pyrite	massive		clay	
43.14	45.61	2.47	Quartz feldspar biotite? schist	foliated	1	quartz , biotite, feldspar	somewhat bleached. Most biotites altered to clay and limonite. Some overprint silicification, and preserved biotite in overprint zones.	<5cm from fractures	orange grey	pyrite	massive		clay	
45.61	45.82	0.21	micro-granite	slightly lineated	1.5	quartz , feldspar	dyke. Fds altering to clay.	Only at Fractures	faint orange green	pyrite	massive		clay	
45.82	49.40	3.58	Quartz feldspar biotite? schist	foliated	1	quartz , feldspar, biotite	Some bleaching. Biotite altered to clay, limonite, and there is some hematite staining. As well, overprint silicification.	>5cm from fractures	orange tan	pyrite	massive		clay	
49.4	50.05	0.65	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	biotites still present	<5cm from fractures	orange grey	pyrite	massive		chlorite, clay	
50.05	50.06	0.01	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	some bleaching. Biotite altered to clay and limonite. Overprint silicification.	<5cm from fractures	orange grey	pyrite	massive		clay	

Hole: GRD08-79
Zone: Nucleus
Logger: Zuzka Gazdik

*Structure and Veining information found in separate booklets

Lithology									Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_description1		Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
24.06	25.09	1.03	Quartz feldspar biotite schist	foliated	1.5	quartz , feldspar, biotite	somewhat bleached. Biotites altered to clay and limonite		Only at Fractures	beige				clay	
25.09	25.90	0.81	Quartz feldspar biotite schist	foliated	1.5	quartz , feldspar, biotite	somewhat bleached. Biotites altered to clay and limonite		<5cm from fractures	light orange beige				clay	
25.9	27.19	1.29	Quartz feldspar biotite schist	foliated	1.5	quartz , feldspar, biotite	somewhat bleached. Biotites altered to clay and limonite		>5cm from fractures	light orange tan				clay	
27.19	27.33	0.14	micro-granite	strongly lineated	1	quartz , feldspar	dyke. Brecciated on either side.		>5cm from fractures	light orange tan				clay	
27.33	30.67	3.34	Quartz feldspar biotite schist	foliated	1.5	feldspar, biotite, quartz	somewhat bleached. Biotites altered to limonite		>5cm from fractures	light orange tan				clay	
30.67	30.90	0.23	micro-granite	lineated	1	quartz , feldspar	dyke. Fds altered to clay.		Only at Fractures	beige				clay	
30.9	31.29	0.39	Quartz feldspar biotite schist	foliated	1.5	quartz , feldspar, biotite	somewhat bleached. Biotites altered to clay and limonite		Only at Fractures	beige				clay	
31.29	31.34	0.05	micro-granite	lineated	1	quartz , feldspar	dyke. Fds altering to clay.		Only at Fractures	beige				clay	
31.34	33.38	2.04	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	silicified in some areas. Bleached. Believe that there was biotite before bleaching~30%.		>5cm from fractures	orange tan				clay	
33.38	34.90	1.52	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	silicified in some areas. Bleached. Believe that there was biotite before bleaching~30%.		>5cm from fractures	orange tan	pyrite	massive		clay	
34.9	36.60	1.7	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	silicified in some areas. Bleached. Believe that there was biotite before bleaching~30%.		<5cm from fractures	light orange beige	pyrite	massive		clay	
36.6	36.70	0.1	micro-granite	lineated	1.5	quartz , feldspar	dyke. Fds altering to clay.		>5cm from fractures	orange tan	pyrite	massive		clay	
36.7	37.60	0.9	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	somewhat bleached. Biotites altered to clay and limonite		>5cm from fractures	orange tan	pyrite	massive		clay	
37.6	40.78	3.18	Quartz feldspar biotite schist	foliated	1	quartz , feldspar, biotite	somewhat bleached. Biotites altered to clay and limonite		<5cm from fractures	light orange beige	pyrite	massive		clay	

Hole: GRD08-79
Zone: Nucleus
Logger: Zuzka Gazdik

*Structure and Veining information found in separate booklets

			Lithology					Oxidation		Mineralization			Alteration	
Depth From (m)	DepthTo (m)	length	rock1 name	texture1 old	grainsize1 (mm)	Lith_min1	Lith_descriptio n1	Oxidation	Colour	Min_composition	Min_Texture	Min_comments	Alt_minerals	alt_description
6.34	10.35	4.01	Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	sligtly bleached.	<5cm from fractures	grey brown				chlorite, clay	
10.35	10.57	0.22	micro-granite	slightly lineated	1.5	quartz , feldspar	dyke.Fds altering to clay.	<5cm from fractures	grey brown				chlorite, clay	
10.57	13.59	3.02	Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	slightly bleached.	<5cm from fractures	grey brown				clay	
13.59	14.43		Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	slightly bleached.	>5cm from fractures	orange tan				clay	
14.43	16.88		Quartz feldspar biotite schist	foliated	1	quartz , biotite, feldspar	slightly bleached.	Only at Fractures	beige				clay	
16.88	18.72	1.84	micro-granite	slightly lineated	1.5	quartz , feldspar	dyke. Fds altering to clay.	Only at Fractures	beige				clay	
18.72	19.31	0.59	Quartz feldspar biotite? schist	foliated	1	quartz , feldspar	bleached. Believe that there was biotite, but none left. Biotite would have been ~30%	Only at Fractures	beige				clay	
19.31	20.66		Quartz feldspar biotite? schist	foliated	1	quartz , feldspar	bleached. Believe that there was biotite, but none left. Biotite would have been ~30%	<5cm from fractures	light orange beige				clay	
20.66	21.30	0.64	micro-granite	lineated	1	quartz , feldspar	dyke. Fds altering to clay.	<5cm from fractures	light orange beige				clay	
21.3	21.49	0.19	Quartz feldspar biotite? schist	foliated	1.5	quartz , feldspar	bleached. Believe that there was biotite, but none left. Biotite would have been ~30%	<5cm from fractures	light orange beige				clay	
21.49	21.67	0.18	micro-granite	slightly lineated	1	quartz , feldspar	dyke. Fds altering to clay.	<5cm from fractures	light orange beige				clay	
21.67	21.80	0.13	micro-granite	slightly lineated	1	quartz , feldspar	dyke. Fds altering to clay.	Only at Fractures	beige				clay	
21.8	22.01	0.21	Quartz feldspar biotite? schist	foliated	1.5	quartz , feldspar	bleached. Believe that there was biotite, but none left. Biotite would have been ~30%	Only at Fractures	beige				clay	
22.01	24.06	2.05	micro-granite	equigranular	1.5	quartz , feldspar		Only at Fractures	beige				clay	

Hole: GRD08-080
Zone: Nucleus
Logger: Kim Ferguson

Lithology								Oxidation		Mineralization			Alteration
Depth From (m)	DepthTo (m)	length	rock name	texture	grainsize (mm)	Lith_mineralogy	Lith_description	Oxidation	Colour	Min_Mineral suite	Min_texture	Min_comments	Alteration Suite
2.71	20.21	17.50	Quartz feldspar biotite schists	foliated	2	feldspar, quartz, biotite		2	light orange				chl, clay
20.21	21.65	1.44	Quartz feldspar biotite schists	foliated	2	feldspar, quartz, biotite		3	orange tan	feo, pyrite	veinlets, massive and blebs		chl, clay
21.65	47.65	26.00	Quartz feldspar biotite schists	foliated	2	feldspar, quartz, biotite		2	orange grey	feo, pyrite	veinlets, massive and blebs	breccia cement between (41.41-41.50m)	chl, clay, sil
47.65	49.81	2.16	Microgranite	massive	0.5	quartz, feldspar, biotite	Fine grained showing intense bleaching throughout section, excepting the first 2m which have minor silicification that has partially preserved the rock. Contact angle with above schist is 35deg to CA.	1	medium grey	pyrite	veinlets and blebs		clay
49.81	65.24	15.43	Microgranite	massive	0.5	quartz, feldspar, biotite	Fine grained showing intense bleaching throughout section, excepting the first 2m which have minor silicification that has partially preserved the rock. Contact angle with above schist is 35deg to CA.	2	orange grey	hematite	veinlets, stain		sil, clay
65.24	74.96	9.72	Quartz feldspar biotite schists	patchy foliation	2	feldspar, quartz, biotite	This section is intensely bleached, it resembles the previous micro-granite very closely and is discernable only due to the foliation in the section. Vein breccia occurs at 74.43m to 74.66m.	3	orange tan	hematite	stain near fractures		clay
67.6	74.96	7.36	Quartz feldspar biotite schists	patchy foliation	2	feldspar, quartz, biotite	This section is intensely bleached, it resembles the previous micro-granite very closely and is discernable only due to the foliation in the section. Vein breccia occurs at 74.43m to 74.66m.	3	orange tan	pyrite, fragments	vein		clay
74.96	78.45	3.49	Microgranite Breccia	massive	0.5	quartz, feldspar, biotite	This section is intensely bleached. Micro-granite breccia, has been altered and bleach post brecciation. Top of section I well brecciated but bleaching and overprint ha obscured much of the detail, fault breccia occurs directly after that at 75.59m to 76.07m, weak to intense crackle breccia occurs through rest of the section.	3	orange tan				clay
78.45	79.78	1.33	Hydrothermal Breccia	massive	0.1	quartz, feldspar, clay	This section is intensely bleached. Section is silicified, matrix is silica rich and qtz clasts or quartz rich clasts and rebrecciated clasts are common. Clay and quartz form the matrix, but it is a clast supported breccia. The clasts are more silica rich than the matrix.	3	orange tan	oxidized sulphides	breccia cement and within clasts through out the breccia		sil, clay
79.78	85.50	5.72	Microgranite	massive	0.5	feldspar, quartz, biotite, clay	This section is intensely bleached. Partially brecciated with fault breccia at top of section followed by varying degree's of crackle breccia. The matrix is largely clay with limonite.	3	orange tan				clay
85.5	85.65	0.15	Microgranite	massive	0.5	feldspar, quartz, biotite, clay	This section is intensely bleached. Partially brecciated with fault breccia at top of section followed by varying degree's of crackle breccia. The matrix is largely clay with limonite.	3	orange tan	oxidized sulphides	veinlets		clay, sil
85.65	86.53	0.88	Microgranite	massive	0.5	feldspar, quartz, biotite, clay	This section is intensely bleached. Partially brecciated with fault breccia at top of section followed by varying degree's of crackle breccia. The matrix is largely clay with limonite.	3	orange tan				clay, sil
86.53	88.54	2.01	Feldspar Quartz Bioite Schist	patchy foliation	1.5	feldspar, quartz, biotite	This section is intensely bleached.	3	orange tan				clay, sil
88.54	93.54	5	Feldspar Quartz Bioite Schist	patchy foliation	1.5	feldspar, quartz, biotite	This section is intensely bleached.	4	dark orange red	pyrite	veinlets, disseminated, breccia cement, breccia clasts		sil, clay
93.54	95.49	1.95	Microgranite	massive	0.5	feldspar, quartz, biotite	This section is intensely bleached.	3	orange tan				clay

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Lithology								Oxidation		Mineralization			Alteration
Depth From (m)	DepthTo (m)	length	rock name	texture	grainsize (mm)	Lith_mineralogy	Lith_description	Oxidation	Colour	Min_Mineral suite	Min_texture	Min_comments	Alteration Suite
95.49	96.23	0.74	Feldspar Quartz Bioite Schist	patchy foliation	1.5	feldspar, quartz, biotite	This section is intensely bleached.	2	Light beige orange				clay
96.23	101.50	5.27	Microgranite	massiv e	1	quartz, feldspar, biotite	This section is intensely bleached.	2	Light beige orange				clay
101.50	126.76	25.26	Microgranite	massiv e	1	quartz, feldspar, biotite	This section is intensely bleached.	2	Light beige orange	sulphides	vein		clay, sil
126.76	143.18	16.42	Microgranite	massiv e	1	quartz, feldspar, biotite	This section is intensely bleached.	2	Light beige orange			trace asp	clay, sil
143.18	144.36	1.18	Biotite Feldspar Quartz Schist	foliated	1	biotite, feldspar, quartz		1	Grey	pyrite	veinlet		chl
144.36	148.82	4.46	Microgranite	massiv e	1	quartz, feldspar, biotite		1	Grey	sulphides, pyrite	stringers, blebs, vein		clay, chl
148.82	150.63	1.81	Feldspar Biotite Quartz Schist	patchy foliation	0.5	feldspar, biotite, quartz		0	Grey	pyrite, sulphides	stringers		clay, sil
150.63	152.46	1.83	Microgranite	massiv e	1	quartz, biotite, feldspar		0	Grey	pyrite	stringers		clay, bio
152.46	155.77	3.31	Feldspar Quartz Bioite Schist	patchy foliation	0.5	feldspar, quartz, biotite		0	Grey	pyrite, prt	stringers		sil, clay, chl
155.77	157.77	2	Feldspar Quartz Bioite Schist	patchy foliation	0.5	feldspar, quartz, biotite		0	Grey	pyrite, prt	stringers		chl, sil, cal
157.77	166.21	8.44	Schist-Microgranite Breccia	massiv e	0.1	quartz, biotite, feldspar,		0	Grey	pyrite	stringers		sil, chl, cal
166.21	167.88	1.67	Biotite Feldspar Quartz Schist	foliated	1	biotite, feldspar, quartz	Mgran dyke at 169.61 to 170.1, 173 to 173.94	0	Grey	pyrite, prx, chalcopyrite	stringers, veinlets, vein	@ 45deg to CA	cal, chl, clay
167.88	172.21	4.33	Biotite Feldspar Quartz Schist	foliated	1	biotite, feldspar, quartz	Mgran dyke at 169.61 to 170.1, 173 to 173.94	0	Grey	pyrite, prx, chalcopyrite	stringers, veinlets, vein	@ 45deg to CA	sil, chl
172.21	178.75	6.54	Biotite Feldspar Quartz Schist	foliated	1	biotite, feldspar, quartz	Mgran dyke at 169.61 to 170.1, 173 to 173.94	1	Medium to light grey/bro	sulphides, pyrite, chalcopyrite	stringers, blebs, massive		clay, chl, sil
178.75	180.19	1.44	Biotite Feldspar Quartz Schist	foliated	1	biotite, feldspar, quartz	Mgran dyke at 169.61 to 170.1, 173 to 173.94	0	Medium to light grey/bro	pyrite	stringers, blebs		sil, cal, chl
180.19	184.01	3.82	Microgranite	massiv e	0.5	quartz, feldspar, biotite	Dykes in surrounding schist appear to be of the same composition.	0	Medium to light grey/bro	pyrite	stringers, blebs		clay, cal, chl
184.01	197.63	13.62	Biotite Quartz Feldspar Schist	patchy foliation	1	biotite, quartz, feldspar	Mgran dyke at 189.64 to 190.46, 191.26 to 191. 191.65, 192.74 to 193.02, 196.22 to 196.42, 200 to 200.18, 201.88 to 203.6, 204.35 to 205.66, 206.26 to 207.6	0	Medium to light grey/bro	sulphides, pyrite	vein, stringers, blebs	@ 45deg to CA	sil, cal, chl
197.63	197.73	0.1	Biotite Quartz Feldspar Schist	patchy foliation	1	biotite, quartz, feldspar	Mgran dyke at 189.64 to 190.46, 191.26 to 191. 191.65, 192.74 to 193.02, 196.22 to 196.42, 200 to 200.18, 201.88 to 203.6, 204.35 to 205.66, 206.26 to 207.6	0	Medium to light grey/bro	pyrite, chalcopyrite	vein		clay, chl
197.73	221.16	23.43	Biotite Quartz Feldspar Schist	patchy foliation	1	biotite, quartz, feldspar	Mgran dyke at 189.64 to 190.46, 191.26 to 191. 191.65, 192.74 to 193.02, 196.22 to 196.42, 200 to 200.18, 201.88 to 203.6, 204.35 to 205.66, 206.26 to 207.6	0	Medium to light grey/bro	pyrite	stringers, disseminated		sil, chl
221.16	230.95	9.79	Quartz feldspar biotite schists	patchy foliation	0.5	quartz, feldspar, biotite	Intensely bleached and altered schist. Possibly emplaced by faulting. Dykes and dykelets in section have similar composition as those in above schist section. The micro-granite is difficult to distinguish from the schist, which is very bleached and altered.	0	Medium to light grey/bro	pyrite	stringers, disseminated		sil, chl

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Lithology								Oxidation		Mineralization			Alteration
Depth From (m)	DepthTo (m)	length	rock name	texture	grainsize (mm)	Lith_mineralogy	Lith_description	Oxidation	Colour	Min_Mineral suite	Min_texture	Min_comments	Alteration Suite
230.95	231.36	0.41	Quartz feldspar biotite schists	patchy foliation	0.5	quartz, feldspar, biotite	Intensely bleached and altered schist. Possibly emplaced by faulting. Dykes and dykelets in section have similar composition as those in above schist section. The micro-granite is difficult to distinguish from the schist, which is very bleached and altered.	1	Medium to light grey/bro	pyrite	stringers, disseminated		sil, chl
231.36	243.40	12.04	Quartz feldspar biotite schists	patchy foliation	0.5	quartz, feldspar, biotite	Intensely bleached and altered schist. Possibly emplaced by faulting. Dykes and dykelets in section have similar composition as those in above schist section. The micro-granite is difficult to distinguish from the schist, which is very bleached and altered.	0	Medium to light grey/bro	pyrite	stringers, disseminated	trace chalcopyrite	sil, ser, chl
243.40	247.78	4.38	Microgranite	massiv e	0.5	quartz, feldspar, biotite		1	Medium to light grey/bro	pyrite	stringers, disseminated	trace chalcopyrite	sil, chl
247.78	250.96	3.18	Biotite Quartz Feldspar Schist	patchy foliation	1	biotite, quartz, feldspar		0	Medium to light grey/bro	pyrite	stringers, disseminated		sil, chl
250.96	251.64	0.68	Microgranite	massiv e	0.5	quartz, feldspar, biotite		0	Medium to light grey/bro	pyrite	stringers, disseminated		sil, chl
251.64	252.36	0.72	Biotite Quartz Feldspar Schist	patchy foliation	1	biotite, quartz, feldspar		0	Medium to light grey/bro	pyrite	stringers, disseminated		sil, chl
252.36	253.73	1.37	Microgranite	massiv e	0.5	quartz, feldspar, biotite		0	Medium to light grey/bro	pyrite	stringers, disseminated		sil, chl
253.73	257.99	4.26	Quartz biotite feldspar Schist	foliated	1.5	quartz, biotite, feldspar		0	Medium to light grey/bro	pyrite			sil, chl
257.99	272.30	14.31	Brecciated Schist	massiv e	0.5	quartz, feldspar, biotite	Schist is brecciated with micro-granite matrix.	0	Medium to light grey/bro	pyrite	stringers, disseminated, massive		sil, chl
272.30	278.27	5.97	Quartz biotite feldspar Schist	foliated	1	quartz, biotite, feldspar		0	Medium to light grey/bro	pyrite	stringers, disseminated, massive		sil, ser, chl
278.27	292.26	13.99	Quartz feldspar biotite schists	foliated	1	quartz, feldspar, biotite	Section is quite bleached, micro-granite intrusions within section are difficult to discern from the bleached and altered schist.	0	Medium to light grey/bro	pyrite	stringers, disseminated, massive		sil, ser, chl
292.26	299.78	7.52	Quartz biotite feldspar Schist	foliated	1.5	quartz, biotite, feldspar	Section is a large scale crackle breccia with a quartz matrix. The section has more iotite preserved than surrounding schists.	0	Medium to light grey/bro	pyrite	stringers, disseminated, massive		sil, chl
299.78	302.13	2.35	Microgranite	massiv e	0.5	quartz, feldspar, biotite		0	Medium to light grey/bro	pyrite	stringers, disseminated, massive		sil, ser, cal
302.13	307.88	5.75	Quartz feldspar biotite schists	patchy foliation	1	quartz, feldspar, biotite		0	Medium to light grey/bro	pyrite	stringers, disseminated, massive		sil, clay, chl, cal

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Vein Log

Depth From (m)	Depth To (m)	Texture	Description	CA	Beta Angle	Strike (RHR)	Dip	Selv width (mm)	Selvage comp	Min 1	Min 1 %	Min 2	Min 2 %	Min 3	Min 3 %	Min 4	Min 4 %	Gangue 1	Gangue 1 %	Gangue 2	Gangue 2 %	Gangue 3	Gangue 3 %	Gangue 4	Gangue 4 %	Voids
4.32	4.41	massive		40						lim	15	pyr	0.01					qtz	85							
5.59	5.592	leached		40						lim	15							qtz	35							50
5.592	6.76	leached	1% of total interval							lim	98	pyr	0.01													2
6.76	6.8	massive		50						lim	3							qtz	90	fsp	7					
6.8	11.65	leached	1% of total interval							lim	98	pyr	0.01													2
11.65	11.659	leached	well developed qtz crystals o	15						lim	20							qtz	70							10
11.659	15.24	leached	1% of total interval							lim	98	pyr	0.01													2
15.24	15.245	leached		35						lim	20							qtz	10							70
15.245	17.52	leached	1% of total interval							lim	98	pyr	0.01													2
17.52	17.58	massive		45						lim	3							qtz	97							
17.66	17.665	massive	black, very fine grained and s	30						sox	5							clay	95							
17.665	24.58	leached	1% of total interval							lim	98	pyr	0.01													2
24.58	24.59	massive		15						sox	30	lim	20	hem	1			clay	40							9
24.68	24.93	leached	1% of total interval							lim	98	pyr	0.01													2
24.93	25.07	massive	a large area of pyr in stringer	40						sox	15	lim	10	pyr	3			clay	37	qtz	35					
25.07	27.26	leached	1% of total interval							lim	98	pyr	0.01													2
27.26	27.261	massive		45						pyr	100															
27.261	29.05	leached	1% of total interval							lim	98	pyr	0.01													2
29.05	29.07	massive		40						sox	25	lim	10	pyr	5			qtz	50	clay	10					
29.07	30.23	leached	1% of total interval							lim	98	pyr	0.01													2
30.23	30.232	massive/leached		60						lim	15							qtz	80							5
30.232	31.045	leached	3% of total interval							lim	98	pyr	0.01													2
31.045	31.048	earthy		30						lim	65							clay	35							
33.64	36.04	leached	3% of total interval							lim	98	pyr	0.01													2
36.04	36.042	leached		10						lim	20							qtz	40							40
36.042	36.332	leached	3% of total interval							lim	98	pyr	0.01													2
36.332	36.352	massive		20						lim	3	pyr	3					qtz	90							4
36.352	41.41	leached	3% of total interval							lim	98	pyr	0.01													2
41.5	48.9	stringers, veinl	1.5% of total interval							pox	50	lim	30	pyr	20											
48.9	48.908	leached		15						lim	60							qtz	20							20
50.12	50.125	massive		35						hem	70	lim	15					clay	15							
50.125	57.33	stringers, veinl	1% of total interval															qtz	100							

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Vein Log

Depth From (m)	DepthTo (m)	Texture	Description	CA	Beta Angle	Strike (RHR)	Dip	Selv width (mm)	Selvage comp	Min 1	Min 1 %	Min 2	Min 2 %	Min 3	Min 3 %	Min 4	Min 4 %	Gangue 1	Gangue 1 %	Gangue 2	Gangue 2 %	Gangue 3	Gangue 3 %	Gangue 4	Gangue 4 %	Voids
57.33	60.73	stringers, veinl	.5% of total interval															qtz	100							
60.73	60.732	massive		45						lim	60							clay	40							
60.732	62.25	stringers, veinl	1.5% of total interval															qtz	100							
62.25	62.254	braided		50						hem	30	lim	20					clay	40	qtz	10					
62.254	68.16	stringers, veinl	2% of total interval															qtz	100							
68.16	68.235	braided		50														qtz	60	clay	40					
68.235	70.91	stringers, veinl	1.5% of total interval															clay	100							
70.91	70.912	massive		45														clay	100							
70.93	70.934	massive		65														clay	100							
71.37	71.382	braided		50														clay	80	qtz	20					
71.45	71.453	massive		50														clay	100							
71.56	71.562	massive		25														clay	100							
71.63	71.632	massive		65														clay	100							
71.632	72.89	stringers, veinl	0.01% of interval															clay	100							
72.89	72.897	massive		50														clay	100							
72.897	73.27	stringers, veinl	0.1% of interval															clay	100							
73.27	73.275	massive		45														clay	100							
73.34	73.343	braided		70														clay	100							
73.343	73.65	stringers, veinl	2% of total interval	55														clay	100							
73.65	73.655	massive		35														clay	100							
73.655	74.13	stringers, veinl	2% of total interval	55														clay	100							
74.13	74.133	leached		45						pyx	1							qtz	69							30
74.133	74.96	stringers, veinl	0.5% of total interval															clay	60	qtz	40					
81.82	81.824	massive		40														qtz	70	clay	30					
89.5	89.503	leached		5						pyx	1							qtz	60							39
91.67	91.674	massive		40														ser	70	clay	30					
91.69	91.696	massive		40														ser	70	clay	30					
91.76	91.762	massive		40														ser	70	clay	30					
91.762	96.23	stringers, veinl	1% of total interval															clay	100							
96.23	101.48	stringers, veinl	1.5% of total interval															qtz	90	clay	10					
101.48	101.5	massive		45						sul	5							qtz	80	clay	15					
101.5	102.17	stringers, veinl	1.5% of total interval															qtz	90	clay	10					
102.17	102.96	stringers, veinl	1% of total interval							sul	10							qtz	90							
102.96	102.97	massive		15														qtz	100							
102.97	103.04	stringers, veinl	1% of total interval							sul	10							qtz	90							
103.04	103.042	banded		40						sul	20							qtz	80							
103.042	104.25	stringers, veinl	1% of total interval							sul	10							qtz	90							
104.25	104.258	massive		50														qtz	100							
104.258	105.09	stringers, veinl	1% of total interval							sul	10							qtz	90							
105.09	105.105	massive		30														qtz	100							
105.105	105.34	stringers, veinl	1% of total interval							sul	10							qtz	90							
105.34	105.349	massive		20														qtz	100							

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Structure

Depth From (m)	DepthTo (m)	foliation CA	foliation strike	foliation dip	Struct_type1	Struct_CA1	Struct_description
4.57	6.56	50					
6.56	10.00	70					
10	22.00	60					
22	24.50	60					
24.5	26.00	40					
26	28.00	45					
28	31.00	50					
31	33.64	20			fault		
33.64	41.41	75					
41.41	41.50	35			breccia		faulted lower contact
41.5	45.26	75					
45.26	47.65	30					
65.24	71.93	45					
71.93	74.96	55					
74.96	83.31				breccia	60	Brecciation is gradual. Fault breccia within brecciated area ha a lower contact at 60deg to CA at 80.12m.
83.31	84.74	40					
84.74	87.54	50					
87.54	90.02	50					
90.02	90.90				breccia		
90.9	91.71	50					
91.71	93.54				breccia		
93.54	93.54	50					
95.49	96.23	60					
143.18	144.36	15					
148.82	150.63	70					
152.46	157.77	55					
157.77	166.21				breccia		Breccia clasts are schist with a micro-granite and quartz matrix. Ranging from crackle breccia to fully displaced clasts. Calcite stringers crosscut the breccia.
166.21	167.88	75					
169.61	170.10	75					
173.94	179.00	45					
179	184.19				breccia	65	Breccia clasts are schist with a micro-granite matrix. Largely a crackle breccia. Fault plane at top of section at65deg to CA.
184.19	189.64	40	240	30			
191.65	192.74	35					
196.42	200.00	30	109	36			
200.18	201.88	30	91	49			
203.6	204.35	80					
205.66	206.26	60	309	27			
207.6	212.51	25	201	26			
212.51	215.45				breccia		Breccia is a crackle breccia, with a micro-granite matrix invading schist. Micro-granite comprises approximately 30% of the section.
215.45	236.22	70	12	58			
236.22	243.44	40	356	90			
243.44	246.46	35	294	64			
253.73	256.80	60	5	70			
256.8	259.99	35	156	89			
259.99	272.30				breccia		Breccia ranges from a large scale crackle breccia to a matrix supported breccia. Clasts are schist, matrix is micro-granite of the ame composition as the micro-granite units and intrusions in the area. The breccia is weakly mineralized with pyr stringers and blebs which are found throughout the core and probably post date the breccia formation. Micro-granite comprises approximately 40% of the breccia section.
272.30	274.17	10					
274.17	278.27	50					
278.27	283.96	60					
283.96	295.10	50	298	43			
295.10	296.83	40	280	42			
296.83	299.78	50	298	43			

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Vein Log

Depth From (m)	DepthTo (m)	Texture	Description	CA	Beta Angle	Strike (RHR)	Dip	Selv width (mm)	Selvage comp	Min 1	Min 1 %	Min 2	Min 2 %	Min 3	Min 3 %	Min 4	Min 4 %	Gangue 1	Gangue 1 %	Gangue 2	Gangue 2 %	Gangue 3	Gangue 3 %	Gangue 4	Gangue 4 %	Voids
295.176	295.75	stringers, disse	0.5% of total interval															cal	100							
295.75	295.752	massive		85						pyr	80							dol	20							
295.752	299.76	stringers, disse	0.5% of total interval															cal	100							
299.76	300.05	stringers, disse	1.5% of total interval							pyr	70							cal	30							
300.05	300.053	massive		35	250	281	52			pyr	60							qtz	30	bio	10					
300.053	300.56	stringers, disse	1.5% of total interval							pyr	70							cal	30							
300.56	300.564	massive		40						pyr	30							cal	40	pyr	30					
300.564	302.13	stringers, disse	1.5% of total interval							pyr	70							cal	30							
302.13	303.29	stringers, disse	2% of total interval							pyr	40							cal	60							
303.29	303.292	massive		55						pyr	70							cal	30							
303.292	303.7	stringers, disse	2% of total interval							pyr	40							cal	60							
303.7	303.702	massive		25						pyr	80							bio	20							
303.702	303.99	stringers, disse	2% of total interval							pyr	40							cal	60							
303.99	303.992	massive		30														cal	100							
303.992	304	stringers, disse	2% of total interval							pyr	40							cal	60							
304	304.78	stringers, veinl	1% of total interval							pyr	20							dol	60	cal	20					
304.78	304.812	massive		75														qtz	95	bio	5					
304.812	305.07	stringers, veinl	1% of total interval							pyr	20							dol	60	cal	20					
305.07	305.11	massive		20														cal	100							
305.11	305.14	stringers, veinl	1% of total interval							pyr	20							dol	60	cal	20					
305.14	305.143	massive		10														cal	100							
305.143	305.18	stringers, veinl	1% of total interval							pyr	20							dol	60	cal	20					
305.18	305.185	massive		50														cal	100							
305.185	305.29	stringers, veinl	1% of total interval							pyr	20							dol	60	cal	20					
305.29	305.295	massive		50														dol	100							
305.295	305.49	stringers, veinl	1% of total interval							pyr	20							dol	60	cal	20					
305.49	305.492	massive		50														cal	100							
305.492	307.2	stringers, veinl	1% of total interval							pyr	20							dol	60	cal	20					
307.2	307.203	massive		30														cal	100							
307.203	307.73	stringers, veinl	1% of total interval							pyr	20							dol	60	cal	20					
307.73	307.732	massive		70														cal	100							
307.732	307.754	stringers, veinl	1% of total interval							pyr	20							dol	60	cal	20					
307.754	307.758	pinch & swell		5						pyr	60							cal	30							10
307.758	307.85	stringers, veinl	1% of total interval							pyr	20							dol	60	cal	20					

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Vein Log

Depth From (m)	Depth To (m)	Texture	Description	CA	Beta Angle	Strike (RHR)	Dip	Selv width (mm)	Selvage comp	Min 1	Min 1 %	Min 2	Min 2 %	Min 3	Min 3 %	Min 4	Min 4 %	Gangue 1	Gangue 1 %	Gangue 2	Gangue 2 %	Gangue 3	Gangue 3 %	Gangue 4	Gangue 4 %	Voids
273.785	274.12	stringers, disse	0.1% of total interval							pyr	100															
274.12	274.122	massive		25						pyr	30							qtz	70							
274.122	274.31	stringers, disse	0.1% of total interval							pyr	100															
274.31	274.52	stringers, disse	1.5% of total interval							pyr	100															
274.52	274.524	massive		45						pyr	10							qtz	90							
274.524	275.27	stringers, disse	1.5% of total interval							pyr	100															
275.27	275.271	massive		30						pyr	50							cal	50							
275.271	278.35	stringers, disse	1.5% of total interval							pyr	100															
278.35	278.368	massive		55						pyr	5							qtz	95							
278.368	278.56	stringers, disse	1.5% of total interval							pyr	100															
278.56	278.563	braided		55						pyr	30							clay	40	qtz	30					
278.563	278.81	stringers, disse	1.5% of total interval							pyr	100															
278.81	278.814	braided		25						pyr	30							clay	40	qtz	30					
278.814	279.55	stringers, disse	1.5% of total interval							pyr	100															
279.55	279.554	massive		40						pyr	60							qtz	40							
279.554	283.96	stringers, disse	1.5% of total interval							pyr	100															
283.96	284.63	stringers, disse	0.5% of total interval							pyr	60							cal	40							
284.63	284.632	massive		30						pyr	60							cal	40							
284.632	285.27	stringers, disse	0.5% of total interval							pyr	60							cal	40							
285.27	285.272	massive		50	250	298	43											bio	70	cal	30					
285.272	285.49	stringers, disse	0.5% of total interval							pyr	60							cal	40							
285.49	285.494	massive		15						pyr	20							cal	50	qtz	30					
285.494	285.55	stringers, disse	0.5% of total interval							pyr	60							cal	40							
285.55	285.555	massive		25						pyr	60							cal	35							5
285.555	285.84	stringers, disse	0.5% of total interval							pyr	60							cal	40							
285.84	285.852	massive		50	250	298	43											qtz	100							
285.852	286.22	stringers, disse	0.5% of total interval							pyr	60							cal	40							
286.22	286.224	massive		60	240	310	35			sul	25	pyr	15					cal	60							
286.224	286.31	stringers, disse	0.5% of total interval							pyr	60							cal	40							
286.31	286.313	massive		60	240	310	35			pyr	40							cal	60							
286.313	286.34	stringers, disse	0.5% of total interval							pyr	60							cal	40							
286.34	286.346	massive		35						pyr	40							cal	60							
286.346	290.13	stringers, disse	0.5% of total interval							pyr	60							cal	40							
290.13	291.9	sheeted veins		10						sul	15							ank	60	cal	15	qtz	10			
291.9	291.905	massive		50						pyr	40							bio	30	qtz	20	chl	10			
291.905	291.91	stringers, disse	0.5% of total interval							pyr	60							cal	40							
291.91	292.24	stringers, disse	0.5% of total interval															cal	100							
292.24	292.249	massive		20						pyr	10							qtz	90							
292.249	292.92	stringers, disse	0.5% of total interval															cal	100							
292.92	292.926	braided		50														cal	100							
292.926	295.16	stringers, disse	0.5% of total interval															cal	100							
295.16	295.176	massive		60	270	318	48											qtz	80	bio	20					

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Depth From (m)	DepthTo (m)	Texture	Description	CA	Beta Angle	Strike (RHR)	Dip	Selv width (mm)	Selvage comp	Min 1	Min 1 %	Min 2	Min 2 %	Min 3	Min 3 %	Min 4	Min 4 %	Gangue 1	Gangue 1 %	Gangue 2	Gangue 2 %	Gangue 3	Gangue 3 %	Gangue 4	Gangue 4 %	Voids
246.279	246.37	disseminated	4% of total interval							pyr	100															
246.37	246.41	stringers, disse	1% of total interval							pyr	100															
246.41	246.414	braided		30	40	214	88			pyx	40							qtz	60							
246.414	247.34	stringers, disse	1% of total interval							pyr	100															
247.34	247.344	banded		50	250	298	43											cal	70	dol	30					
247.344	250.96	stringers, disse	1% of total interval							pyr	100															
250.96	253.73	stringers, disse	1.5% of total interval							pyr	100															
253.73	254.62	stringers, disse	1% of total interval															cal	100							
254.62	254.622	massive		5						pyr	80							cal	20							
254.622	256.86	stringers, disse	1% of total interval															cal	100							
256.86	256.866	massive		60	350	355	70											cal	100							
256.866	257.03	stringers, disse	1% of total interval															cal	100							
257.03	257.034	massive		45	350	353	85			pyr	100															
257.034	257.99	stringers, disse	1% of total interval															cal	100							
257.99	262	stringers, disse	1% of total interval							pyr	100															
262	262.41	stringers, disse	0.5% of total interval							pyr	100															
262.41	262.494	massive		50						pyr	40							qtz	60							
262.494	263.07	stringers, disse	0.5% of total interval							pyr	100															
263.07	263.079	massive		75						pyr	30							qtz	40	bio	30					
263.079	263.18	stringers, disse	0.5% of total interval							pyr	100															
263.18	263.183	massive		30						pyr	80							cal	20							
263.183	264.41	stringers, disse	0.5% of total interval							pyr	100															
264.41	264.417	massive		15						pyr	20							cal	80							
266.41	267.6	stringers, disse	1% of total interval							pyr	100															
267.6	267.604	massive		10						pyr	100															
267.604	268.44	stringers, disse	1% of total interval							pyr	100															
268.44	268.442	banded		25						pyx	20							clay	70	cal	10					
268.442	269.22	stringers, disse	1% of total interval							pyr	100															
269.22	269.222	massive		55														clay	90	cal	10					
269.222	270.41	stringers, disse	1% of total interval							pyr	100															
270.41	270.412	banded		50						pyr	80.0							clay	20							
270.412	270.49	stringers, disse	1% of total interval							pyr	100															
270.49	270.492	banded		50						pyr	20.0							qtz	80							
270.492	270.8	stringers, disse	1% of total interval							pyr	100															
270.8	270.803	banded		70						pyr	20.0							qtz	80							
270.803	272.3	stringers, disse	1% of total interval							pyr	100															
272.3	272.47	stringers, disse	0.1% of total interval							pyr	100															
272.47	272.472	banded		40						pyr	50							qtz	50							
272.472	272.56	stringers, disse	0.1% of total interval							pyr	100															
272.56	272.563	banded		50						pyr	40							qtz	60							
272.563	273.78	stringers, disse	0.1% of total interval							pyr	100															
273.78	273.785	massive		40														cal	100							

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Depth From (m)	Depth To (m)	Texture	Description	CA	Beta Angle	Strike (RHR)	Dip	Selv width (mm)	Selvage comp	Min 1	Min 1 %	Min 2	Min 2 %	Min 3	Min 3 %	Min 4	Min 4 %	Gangue 1	Gangue 1 %	Gangue 2	Gangue 2 %	Gangue 3	Gangue 3 %	Gangue 4	Gangue 4 %	Voids
209.52	209.541	banded		45						pyr	20							qtz	45	cal	35					
209.541	210.89	stringers	0.5% of total interval							pyr	60							cal	40							
210.89	210.9	massive		55														qtz	100							
210.9	211.22	stringers	0.5% of total interval							pyr	60							cal	40							
211.22	211.238	banded		40						sul	10	pyr	2					cal	63	qtz	15	clay	10			
211.238	220.96	stringers	0.5% of total interval							pyr	60							cal	40							
220.96	220.961	massive		60						pyr	15	cpy	2					clay	43	cal	30	qtz	10			
220.961	226.13	stringers, disse	1% of total interval							pyr	100															
226.13	226.132	banded		65						pyx	10							clay	90							
226.132	228.46	stringers, disse	1% of total interval							pyr	100															
228.46	228.464	massive		40						pyx	100															
228.464	228.9	stringers, disse	1% of total interval							pyr	100															
228.9	229	disseminated	8% of total interval							pyx	100															
229	229.52	stringers, disse	1% of total interval							pyr	100															
229.52	229.522	massive		40						pyx	100															
229.522	232.33	stringers, disse	1% of total interval							pyr	100															
232.33	232.347	banded		40						pyx	30	cpy	5					qtz	55							10
232.347	232.52	stringers, disse	0.1% of total interval							pyr	100															
232.52	232.522	massive		45						sul	30.0	pyx	20					qtz	50							
232.68	232.683	massive		50						pyx	35.0							qtz	65							
232.683	233.44	stringers, disse	0.1% of total interval							pyr	100															
233.44	233.445	massive		45														clay	60	qtz	40					
233.445	238.15	stringers, disse	0.1% of total interval							pyr	100															
238.15	238.157	massive		50						pyx	30							qtz	70							
238.157	238.3	stringers, disse	0.1% of total interval							pyr	100															
238.3	238.304	massive		55	305	329	65											qtz	100							
238.304	241.7	stringers, disse	0.1% of total interval							pyr	100															
241.7	241.703	massive		50	345	350	79											qtz	100							
241.703	242.45	stringers, disse	0.1% of total interval							pyr	100															
242.45	242.453	banded		40	270	298	61											qtz	60	clay	40					
242.453	242.56	stringers, disse	0.1% of total interval							pyr	100															
242.56	242.562	banded		40	290	310	71											qtz	60	clay	40					
242.562	242.98	stringers, disse	0.1% of total interval							pyr	100															
242.98	242.983	massive		60	265	316	46											qtz	60	clay	40					
242.983	244.16	stringers, disse	0.1% of total interval							pyr	100															
244.16	244.163	infill		50	340	347	79			pyr	35	cpy	5					qtz	60							
244.163	245.83	stringers, disse	0.1% of total interval							pyr	100															
245.83	245.832	massive		55	350	354	75			pyx	80							qtz	20							
245.832	245.89	stringers, disse	0.1% of total interval							pyr	100															
245.89	245.892	massive		45	345	349	84			pyr	60							qtz	40							
245.892	246.27	stringers, disse	0.1% of total interval							pyr	100															
246.27	246.279	massive		30	290	304	79			pyx	50							qtz	50							

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Depth From (m)	DepthTo (m)	Texture	Description	CA	Beta Angle	Strike (RHR)	Dip	Selv width (mm)	Selvage comp	Min 1	Min 1 %	Min 2	Min 2 %	Min 3	Min 3 %	Min 4	Min 4 %	Gangue 1	Gangue 1 %	Gangue 2	Gangue 2 %	Gangue 3	Gangue 3 %	Gangue 4	Gangue 4 %	Voids
181.35	186.49	stringers, blebs	0.5% of total interval							pyr	80.0							cal	20							
186.49	186.516	massive		60						sul	60	pyx	20					qtz	20							
186.516	190.47	stringers, blebs	0.5% of total interval							pyr	60.0							cal	40							
190.47	191.56	stringers, blebs	0.5% of total interval							sul	40.0	pyr	20					clay	40							
191.56	191.578	massive		40						sul	60	pyr	40													
191.578	191.8	stringers, blebs	0.5% of total interval							pyr	60.0							cal	40							
191.8	191.828	massive		30						pyr	60							clay	40							
191.828	191.88	stringers, blebs	0.5% of total interval							pyr	100															
191.88	191.98	stringers, blebs	3% of total interval							pyr	100															
191.98	194.89	stringers, blebs	1% of total interval							pyr	100.0															
194.89	195.27	stringers, disseminated	0.5% of total interval							pyr	100															
195.27	195.272	massive		60						pyr	20							qtz	80							
195.272	196.42	stringers, disseminated	0.5% of total interval							pyr	100															
196.6	197.63	stringers, disseminated	0.1% of total interval							pyr	100															
197.63	197.632	massive		40						pyr	30	cpy	1					qtz	69							
197.69	197.693	massive		40						pyr	30	cpy	1					qtz	69							
197.72	197.725	massive		40						pyr	30	cpy	1					qtz	69							
197.725	198.13	stringers, disseminated	1% of total interval							pyr	100															
198.13	198.136	massive		40						pyr	60							qtz	40							
198.14	198.142	massive		60						pyr	50							qtz	50							
198.142	198.43	stringers, disseminated	1.5% of total interval							pyr	60							cal	40							
200	208.23	stringers	0.5% of total interval							pyr	60							cal	40							
208.23	208.232	massive		50						pyr	40							qtz	60							
208.232	208.93	stringers	0.5% of total interval							pyr	60							cal	40							
208.93	208.933	layered		20						pyr	1							qtz	80	bio	19					
208.933	209.04	stringers	0.5% of total interval							pyr	60							cal	40							
209.04	209.042	layered		55						pyr	15							qtz	75	clay	10					
209.042	209.37	stringers	0.5% of total interval							pyr	60							cal	40							
209.37	209.38	massive		30						pyr	5							qtz	95							
209.38	209.52	stringers	0.5% of total interval							pyr	60							cal	40							

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Depth From (m)	Depth To (m)	Texture	Description	CA	Beta Angle	Strike (RHR)	Dip	Selv width (mm)	Selvage comp	Min 1	Min 1 %	Min 2	Min 2 %	Min 3	Min 3 %	Min 4	Min 4 %	Gangue 1	Gangue 1 %	Gangue 2	Gangue 2 %	Gangue 3	Gangue 3 %	Gangue 4	Gangue 4 %	Voids
141.72	143.18	stringers, veinl	0.1% of total interval							pyx	100															
144.36	144.361	massive		45						pyr	100															
144.361	146.4	massive								sul	60	pyr	40													
146.4	146.402	massive		20						pyr	5							clay	95							
147.71	147.716	massive		40														qtz	70	clay	30					
148.55	148.82	massive		50						pyr	1							qtz	99							
148.82	148.97	stringers, veinl	0.1% of total interval							pyr	100															
148.97	150.4	stringers, veinl	1.5% of total interval							sul	100															
150.4	150.404	massive		40														clay	90	qtz	10					
150.404	150.63	stringers, veinl	1.5% of total interval							sul	100															
151.14	151.33	stringers, veinl	0.1% of total interval							pyr	100															
151.33	151.336	massive		70														qtz	100							
151.336	152.14	stringers, veinl	0.1% of total interval							pyr	100															
152.22	152.224	massive		80														qtz	100							
152.224	153.07	stringers, veinl	0.1% of total interval															cal	100							
153.07	153.077	banded		40														qtz	60	cal	40					
153.08	153.28	stringers, veinl	1% of total interval							prt	50	pyr	50													
153.28	154.24	stringers, veinl	0.1% of total interval							pyr	100															
154.24	155.97	stringers, veinl	0.5% of total interval															cal	100							
155.97	161.21	stringers, veinl	0.5% of total interval							pyr	100															
161.21	166.21	stringers, veinl	1% of total interval															cal	100							
166.21	166.213	massive		40														cal	100							
166.213	167.32	stringers, veinl	0.5% of total interval															cal	100							
167.32	167.328	massive		5														cal	100							
167.328	169.71	stringers, veinl	0.6% of total interval							pyr	60	prx	20					cal	20							
169.71	169.713	massive		80						pyr	65	cpy	35													
169.713	170.47	stringers, veinl	0.6% of total interval							pyr	60	prx	20					cal	20							
170.47	170.474	massive		80						pyr	75	cpy	25													
170.474	172.21	stringers, veinlets	0.6% of total interval							pyr	60	prx	20					qtz	20							
173.94	175.26	stringers, blebs	5% of total interval							pyr	7	cpy	3					qtz	90							
175.26	176.31	stringers, blebs	1.1% of total interval							sul	40	pyx	10					clay	50							
176.31	177.74	stringers, blebs	1% of total interval							pyr	60							qtz	40							
177.74	178.02	blebs, massive	58% of total interval							sul	38	pyx	20					clay	42							
178.02	179.23	stringers, blebs	8% of total interval							pyr	50	cpx	10					cal	40							
179.23	181.35	stringers, blebs	0.5% of total interval															cal	100							

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Depth From (m)	DepthTo (m)	Texture	Description	CA	Beta Angle	Strike (RHR)	Dip	Selv width (mm)	Selvage comp	Min 1	Min 1 %	Min 2	Min 2 %	Min 3	Min 3 %	Min 4	Min 4 %	Gangue 1	Gangue 1 %	Gangue 2	Gangue 2 %	Gangue 3	Gangue 3 %	Gangue 4	Gangue 4 %	Voids
105.349	105.82	stringers, veinl	1% of total interval							sul	10							qtz	90							
105.82	105.824	massive		40														clay	100							
105.824	105.92	stringers, veinl	1% of total interval							sul	10							qtz	90							
105.92	106.28	stringers, veinl	1% of total interval															qtz	100							
106.28	106.283	leached		35														qtz	80							20
106.283	107.86	stringers, veinl	1% of total interval															qtz	100							
107.86	107.862	massive		20						sul	15							qtz	85							
107.862	108.47	stringers, veinl	1% of total interval															qtz	100							
108.47	108.473	leached		35						lim	5							clay	65							30
108.52	108.522	leached		25						lim	5							clay	65							30
108.522	111.42	stringers, veinl	1% of total interval															qtz	100							
111.42	111.421	massive		25						sul	10							qtz	90							
111.421	112.5	stringers, veinl	1% of total interval															qtz	100							
112.5	112.66	stringers, veinl	2% of total interval							sul	20							qtz	80							
112.66	112.664	leached		35														qtz	90							10
112.664	113.5	stringers, veinl	2% of total interval							sul	20							qtz	80							
113.5	113.501	leached		20														qtz	95							5
113.56	113.565	leached		20														qtz	70							30
113.565	113.69	stringers, veinl	2% of total interval							sul	20							qtz	80							
113.69	114.97	stringers, veinl	0.5% of total interval							lim	40							qtz	60							
114.97	114.973	massive		30						sul	10							qtz	90							
114.973	118.27	stringers, veinl	0.5% of total interval							lim	40							qtz	60							
118.27	118.272	massive		30														qtz	100							
118.272	118.87	stringers, veinl	0.5% of total interval							lim	40							qtz	60							
118.87	118.92	stringers, veinl	1% of total interval							sul	20	lim	10					qtz	70							
118.92	118.942	leached		40														qtz	75	clay	10					15
118.942	120.39	stringers, veinl	1% of total interval							sul	20	lim	10					qtz	70							
120.39	120.406	leached		15														qtz	75	clay	15					10
120.406	120.65	stringers, veinl	1% of total interval							sul	20	lim	10					qtz	70							
120.65	122.47	stringers, veinl	1% of total interval															qtz	100							
122.47	122.59	stringers, veinl	5% of total interval							sul	20							qtz	80							
122.59	124.43	stringers, veinl	1% of total interval															qtz	100							
124.43	126.76	stringers, veinl	1% of total interval							lim	20							qtz	80							
126.76	126.764	massive		50						sul	10							qtz	90							
126.764	128.01	stringers, veinl	1% of total interval							lim	20							qtz	80							
128.01	128.013	leached		10														qtz	90							10
128.013	129.49	stringers, veinl	1% of total interval							lim	20							qtz	80							
129.49	129.491	massive		15														qtz	80	clay	20					
129.491	129.85	stringers, veinl	1% of total interval							lim	20							qtz	80							
129.85	129.854	massive		30														qtz	100							
129.854	132.4	stringers, veinl	1% of total interval							lim	20							qtz	80							
138.97	140.02	stringers, veinl	0.01% of total interval							pyr	100															

Appendix 2

Cross Sections for Holes GRD08-077, 079 and 080

Geological log

Hole No: 08 ST-05 **p** 1 / 16

Project:	Zone:	logged by:	Az:	Dip:	Length:
		E. Miller			

From	To	Rx code	rx code modifier	Rx Name	Description
2.43	22.70	GRAN		K-fsp porphyritic granite	Coarse grained granite. (2mm-5cm) Biotite → ranges from 1% - 5% of rock. Mostly appears to be primary. Ranges from black and fresh to ratty w a green to brown colouration. Occurs as inclusions in almost all other crystals (early phase). Plagioclase → (20-30%) → weakly to strongly altered. Colouration white to green to yellowish/brown. K-fsp → (25-30%) → charactristic pink colouration. Well-formed crystals many are phenocrystic/megacrystic. Larger crystals often show what appears to be zonation w a paler pink to white central area. Qtz → (25-30%) → Qtz has an almost mottled appearance. Under magnification looks like amalgamations of fine-grained qtz crystals or v. fractured/dirty. Clear grey-blue to almost purplish-grey colouration. Often looks interstitial. Magnetite → (1-5%) → Occurs throughout rock mostly looks to be altering to chl. (ratty w green colouration) Often difficult to visually distinguish from altering biotite. May also occur as fine-grained inclusions in qtz. May be replacing bio/chl. Overall minerals look to be in equilibrium w one-another (interlocking grains) other than pervasive alteration textures. Cut by rusty calcite veins. Alteration assemblage appears to be phyllic to possibly v. weak argillic (ser, kaol, ill, sm, chl)
					S; 8.15 - 8.40 rubble/crush. Clay-rich v. calcitic
					M 16.65 - 18.00 spotted w red hem some of which have pyritic cores

Structure (interval/point)

Type	CA	Strike	dip

Alteration

Type	intensity
Seri	w-m
Kaol	w-m
ill±smectite	w
~~Sm~~	~~m~~
chl	w-m
Ox	m
Cal	w

Mineralization

mineral	mode of occ.	%
hem	diss.	tr
mal	str	tr
mt	repl	3%
mt	diss	2%
subtly hem (16.65 - 18.00)	dissem	2%

Veining

type	thickness mm	no/m	CA	Strike	dip
rusty cal stringers	<2mm	13	var		
rusty cal + mal veinlets	2mm	0.5	5°		
Subtly dark qtz 9.36 fsp clump	0.5mm		86°	100°	66°
10.10 dark qtz mag veinlet	5mm		25°	192°	83°
20.75 qtz, cal, mag, hem, py, cpy? veinlet	2mm		5°		

Samples

Sample no	From	To	Notes
G982785	2.40	3.95	
786	3.95	5.10	Poor recovery
787	5.10	6.40	
788	6.40	7.50	
789	7.50	8.55	
790	Standard		Oreas 53Pb
791	8.55	10.30	
792	10.30	11.60	
793	11.60	13.05	
794	13.05	14.15	
795	14.15	15.00	
796	15.00	16.00	
797	16.00	17.65	
798	17.65	19.00	
799	19.00	19.95	
800	19.95	21.00	
G983301	21.00	22.70	

Ent Pw

Geological log

Hole No: 08ST-05 **p** 2 / 16

Project:			Zone:									logged by: E. Miller			Az:			Dip:		Length:
						Structure (interval/point)				Alteration		Mineralization			Veining					Samples			
From	To	Rx code	rx code modifier	Rx Name	Description	Type	CA	Strike	dip	Type	intensity	mineral	mode of occ.	%	type	thickness mm	no/m	CA	Strike	dip	Sample no	From	To	Notes
22.70	65.60	GG GRAN	medium grained biotite	K-spar megacrystic coarse grained gran	Almost identical to previous unit but w much lower proportion of mt, and with a much rustier appearance. Plag dominantly brown to green w mt veins where it is bleached white. Alkali feldspar is white to orange-brown to beige w rare intervals preserving Salmon-pink colour. Mn-oxide stringers & fracture coatings also much more common	45.90 fault	25°			ser	m	mt	repl	tr	rusty coarse veins	1-10mm	20	var			G998330 2	22.70	24.05	
					L: 44.85 - 47.00 less rusty, paler looking plag pale mint green to darker green K-fsp pink to beige to white; 45.73 -					kaol	m-s	hem	diss	tr							303	24.05	25.60	
					L: 45.73 - 46.00 v fine grained rusty mafic dyke w clay-rich crush (poss. fault)					ill	m-s	MnO_x	coat	1%							304	25.60	27.05	
					V: 52.20 - 53.55 → Abundant rusty, vaggy, calcite-rich veining (Minor v. rusty py cubes)					Smot	w-m	Py	cube	1%							305	27.05	28.95	Duplicated
										Chl	w									306	28.95	30.00	
										Ox	m-s									307	30.00	31.20	
										Carb	w-m									308	31.20	32.20	
																				309	32.20	33.50	
																				310	Duplicate of		G982805
																				311	33.50	34.30	
																				312	34.30	35.35	
																				313	35.35	36.50	
																				314	36.50	37.60	
																				315	37.60	38.70	
																				316	38.70	40.10	
																				317	40.10	41.10	
																				318	41.10	42.05	
																				319	42.05	43.05	
																				320	Standard		Orea s 52Pb
																				321	43.05	44.05	
																				322	44.05	44.95	
																				323	44.95	46.00	
																				324	46.00	47.00	
																				325	47.00	48.00	
																				326	48.00	49.10	
																				327	49.10	50.20	
																				328	50.20	51.25	
																				329	51.25	52.20	
																				330	52.20	53.55	
																				331	BLANK		BLANK
																				332	53.55	55.00	
																				333	55.00	56.20	
																				334	56.20	58.00	
																				G983335	58.00	59.45	
																				336	59.45	61.05	Duplicated
																				337	61.05	62.50	
																				338	62.50	63.70	
																				339	63.70	64.70	
																				340	Duplicate of		G988636
																				341	64.70	65.60	

Geological log

Hole No: 0857-05 **p** 3 / 16

Project: **Zone:** **logged by:** E. Miller **Az:** **Dip:** **Length:**

From	To	Rx code	rx code modifier	Rx Name	Description	Structure (interval/point) Type	CA	Strike	dip	Alteration Type	intensity	Mineralization mineral	mode of occ.	%	Veining type	thickness mm	no/m	CA	Strike	dip	Samples Sample no	From	To	Notes
65.60	67.60	Dyke	QFP	Quartz Feldspar porphyritic dyke	V. fine-grained Dark grey to rusty brown matrix spotted w white, pinkey green, & black phenocrysts. matrix → 75% phenocrysts → 20% ⇒ qtz (30%), plag (60%), mt (10%) fragments → 5% ⇒ K-spar. Contacts obvious but not clear cut as fragments of dyke and surrounding Coarse grained granite seem to grade into one another possibly "mixing" effects where dyke intruded while granite was still relatively hot? The K-spar crystals in the dyke are euhedral to rounded but all show a brown reaction rim suggesting that they are not in equilibrium w surrounding magmas. Could indicate that they are fragments from granite or support the "mixing" hypothesis where the chemistry of the magma may have been changed enough to throw previously formed crystals out of equilibrium w magma. Rock is strongly magnetic indicating presence of significant magnetite, some of which may be held in fine matrix some of which is visible as "salty" black and green xtls. Photograph taken at 66.30m & 66.90 Cut by rusty carbonate veinlets, rich in dissem. flecks of a yellow-brig. colour possibly sphalerite? rounded qtz eyes found throughout.					carb	m	mt	diss	10%	rusty carb veinlets	1-4mm	23	var			6983342	65.60	66.60	
										Chl	m	py	diss	0.5%							343	66.60	67.60	½ dyke, ½ gran
										Chl	w-m	hem	diss.	1%										
										lin	w-m													
67.60	69.40	MG GRAN Dyke	rust QFP	rusty MG gran and qtz fsp porphyritic dyke	An altered mixture of above dyke (30%) and lower gran (70%). In places difficult to determine boundaries between due to intense rusty alteration. This alt. gives rock a pseudo-fractured appearance most reminiscent of a tuffisitic texture, felsitic component fine grained than gran below, but some constituents gradual increase in grain size down unit. More of a transition zone between the two units than a truly distinct rock in and of itself. Scratched rock effervesces in HCl suggesting a carbonate alteration. Almost no magnetic response. Lower Contact gradual.					carb	m-s	mt	diss	tr	rusty carb veinlets	1-3mm	30	var			6983344	67.60	69.40	⅔ gran, ⅓ dyke
										lim	m	py	diss	2%										
										clay	m	hem	repl	2%										
										Chl	w													

andesitic

Geological log

Hole No: 08ST-05 **p** 4 / 16

Project:			Zone:			logged by: E. Miller								Az:			Dip:		Length:
						Structure (interval/point)				Alteration		Mineralization			Veining						Samples			
From	To	Rx code	rx code modifier	Rx Name	Description	Type	CA	Strike	dip	Type	intensity	mineral	mode of occ.	%	type	thickness mm	no/m	CA	Strike	dip	Sample no	From	To	Notes
69.40	74.45	CGGRAN	Megacrystic brown	brown coarse grained granite to K-spar megacrystic	red-orange-yellow-brown colouration w green undertones in some grains. Alteration varies across unit with outer edges (lower & upper) a lighter, more orange pink tone and middle a darker redder-orange tone. Very spotted appearance Qtz (40%) → clear grey in colour, larger aggregates (2-10mm) of smaller qtz grains (<2mm) Plag (~20%) → euhedral to space-filling. Altered to a waxy olive green to brown w green undertones. Avg grain size ~ 3-4mm. K-spar (~38%) → some small euhedrals (2-4mm) but mostly larger phenos/ mega-crysts (7-20mm). Pinkish to orange colouration B.O (Rx) → rusty network of rusty carbonate stringers and veins pervasive throughout unit. hematite blebs distributed throughout rock L: 70.10 - 70.15 fine grained rusty-green enclave. (similar colour to plag grains contains minor qtz blebs) dyke? fragment? fine-ground segregation? Contacts Sharp. L: 70.48 - 70.60 band of fine-ground pink to tan material, fairly tabular appearance. Hard / qtz-rich. Minor blebs of fg sx spotted w hem. poss some k-spar also contributing to colouration. Dyke? fine-grained segregation? Aplite? Contacts sharp L: 72.20 - 72.25 (same as 70.10 - 70.15). Green to brown green fine-grained enclave. w minor qtz blebs/eyes → look similar to qtz in main unit. contacts sharp. L: 74.20 - 74.30 Band of fine-grained pink to orange to qtz-rich material. Qtz has fairly granular euhedral appearance fine-grained v. altered matrix provides colour. fsp altered? minor hem blebs. Dyke? Contacts sharp L.C Sharp but slightly irregular (C.A ~ 130°)					carb	m	mt	diss.	tr	rusty carb veinlets	1-3mm	20	var				6983345	69.40	70.40	
												py	diss.	0.5%	white calcite veins	2-5mm	3	var			346	70.40	71.40	
										clay	m	hem	diss	1%	rusty, sfg qtz-rich veins	6-10mm	1	var			347	71.40	72.40	
										lim	m	MnOx	coat	1%							348	72.40	73.40	
																					349	73.40	74.45	
																					350	Standard		Oreas 53Pb
74.45	76.85	Dyke CG GRAN	And mesocrystic	dark blue-grey andesitic dyke w intervals of coarse-grained granite	Main rock type is a v. fine grained dark blue-grey dyke, some of matrix effervesces in acid. Contains white & rusty-orange phenocrysts (5%). The white phenos are qtz but show rectangular to cubic shapes & so may represent replacement of earlier minerals Rusty-orange phenos show similar shapes / some rusty phases of white ones also Some qtz phenos also have a rusty-orange rim. Smaller, more difficult to see green phenos also spot rock (~20-25%) L: 75.15 - 75.75 CG Gran. Essentially identical to Gran from 69.40-74.45 but w higher proportion of bio (~5%) L: 76.38 - 76.58 Same as above but w more & larger k-spar megacrysts (45%; 5-15mm), dissem hem & a few thin black stringers that may contain fg sx Cut by rusty crb veinlets L.C Sharp. Broken up so no C.A available					chl	m-s	hem	diss	0.5%	Rusty carb veinlets, black stringers	1-4mm	5	var				6983351	74.45	75.65	1/2 dyke, 1/2 gran
										carb	m-s	py	diss.	tr		<1mm	1	var			352	75.65	76.85	2/3 dyke, 1/3 gran
										lim	w-m													

Geological log

Hole No: 08ST-05 **p** 5 / 16

Project:		Zone:		logged by:		Az:		Dip:		Length:

From	To	Rx code	rx code modifier	Rx Name	Description	Structure (interval/point) Type	CA	Strike	dip	Alteration Type	intensity	Mineralization mineral	mode of occ.	%	Veining type	thickness mm	no/m	CA	Strike	dip	Samples Sample no	From	To	Notes
76.85	83.10	GG GRAN	megacryst	Variably altered megacrystic granite	V. Similar to granite seen from 69.40-74.45							mt	repl	2%	rusty carbonate veinlet	1-3mm	25	Var.			G983353	76.85	77.45	
					w̄ slightly different modal mineral proportions and							py	diss.	tr							354	77.45	78.90	
					more variable alteration. Texturally almost identical.							MnOx	Coat	1%							355	78.90	80.00	
					Ranges from v. altered yellow- to orange- to pink-brown																356	80.00	81.50	
					in colour to a more "fresh"-looking spotted pink, grey-blue and pale greenish orange. Qtz ~ 20% Kspar ~ 45%,																357	81.50	83.10	
					plag 25%, Bio 8%, Mt 2%																			
					A. 76.85-77.30 orange-yellow to pink pervasively altered. Only cores of larger K-spar phenos remain relatively "fresh". Qtz unaltered → stands out against "mottled-looking" altered background																			
					A. 77.30-78.90 + 80.00-80.47 v. speckled appearance. K-spar remains pink. plag altered to a pale yellow-green. bio v. ratty looking mix of ser + chl? Qtz fresh																			
					A. 78.90-80.00 + 80.47-81.50 mottled + speckled appearance Kspar remains pink to slight orange tint. plag mostly orange-brown w̄ some greenish grains. biotite ratty (mix of ser + chl?). Some Mn-oxide																			
					L. 78.15-78.35 fine grained brown to beige-green silicified brown, clayey beige-green. abundant rusty stringers. dyke? Severely altered host rock? Includes biotite/K-spar band																			
					L. 81.50-82.85 half of core a fine-grained silicious pink to orange porphyritic intrusive poss felsic dyke. Plag phenos (30%) gone to rusty orange, qtz phenos white. minor f.g. sx peppered through rock. Other half is main gran unit. Contact C.A ~ 0°																			

andesite andesite

dendritic

Geological log

Hole No: 08ST-05 **p** 6 / 16

Project:		Zone:		logged by: E Miller	Az:	Dip:	Length:

From	To	Rx code	rx code modifier	Rx Name	Description	Structure (interval/point) Type	CA	Strike	dip	Alteration Type	intensity	Mineralization mineral	mode of occ.	%	Veining type	thickness mm	no/m	CA	Strike	dip	Samples Sample no	From	To	Notes
83.10	87.40	Dyke CG GRAN	and megacryst	phenocrystic andesite dyke ŵ CG Gran enclaves	A dark grey-blue to dark green to rusty andesitic					Chl	m-s	MnOx	Coat	3%	rusty carb veinlets	1-3mm	12	var			G983358	83.10	83.95	
					dyke ŵ rectangular phenos mostly replaced by qtz or					Ser	m	Py	diss.	tr	carbonate veins	4-6mm	1	var			359	83.95	84.90	
					rusty Fe-oxide. Almost identical to dyke from 74.45-					Silica	w	Mt	diss.	1%							360	84.90	85.75	
					76.85. Cut by carbonate veins. Contains enclaves					Clay	m-s										361	85.75	86.85	
					of surrounding megacrystic CG Gran. From 84.88 down					Carb	w										362	86.85	87.40	
					dyke grades into a fine-grained, heavily altered																			
					rusty rock that may or may not be a different																			
					alteration of same dyke material. Does not react to																			
					HCl even when scratched/powdered. Soft & easily scratched!																			
					abundant dendritic MnOx. Moderate magnetic response																			
					L. 83.38-83.76 CG Gran plag orange; bio completely altered to																			
					chl; K-spar slight blue tinge but still pink																			
					L. 85.75-85.90 v. rusty CG Gran plag & K-spar to																			
					clayey orange to beige to brown.																			
					L. 86.10-86.86 Rusty CG Gran plag is a waxy mint to olive																			
					green. Alkali feldspar is a reddish to orangish brown																			
					qtz is clear grey																			
					A. 84.88-87.40 Rusty alteration v. pervasive. Completely					lim	S													
					eats dyke material. Alters fsp in gran v. effectively					carb	w-s													
					Abundant dendritic MnOx. Effervescence in granitic					Clay	S													
					phases only. No magnetic response.																			
					L.C. Sharp but interfingered																			
87.40	94.80	CG GRAN	megacryst	Variably altered fine megacrystic coarse grained granite	Variably altered but overall appears					Carb	s-i	MnOx	Coat	3%	rusty carb veinlets	1-3mm	10	var			G983363	87.40	88.75	
					rusty brown-orange ŵ Fe-carbonate alteration.					Ser	w-m	hem	diss.	tr	fine-grained qtz vein	3-5mm	2	10°			364	88.75	90.25	
					Some intervals ŵ green coloured plagioclase. Mostly					lim	w	py	diss.	tr							365	90.25	91.30	
					completely/pervasively overprinted by rusty alteration					Clay	m-s										366	91.30	92.95	
					(in all locations plag has a more "waxy" appearance while					Chl	w-m										367	92.95	94.80	
					K-spar is more "dusty"). ~~Ksp~~ Otherwise almost																			
					identical to previous granite. Grades downward																			
					into a more & more pervasive alteration until almost																			
					everything other than qtz is an almost uniformly altered																			
					to an almost red-brown carbonate. K-spar still easily distinguished																			
					as megacrystic pseudomorphs. What bio remains is altering to chl.																			
					A. 90.10-90.80 pale green alt. → plag is a waxy olive green																			
					& K-spar is a pink mint green to white.																			

Geological log

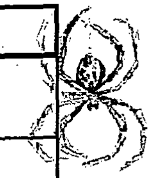
Hole No: 08ST-05 **p** 7 / 16

Project: **Zone:** **logged by:** E. Miller **Az:** **Dip:** **Length:**

From	To	Rx code	rx code modifier	Rx Name	Description	Structure (interval/point) Type	Structure CA	Structure Strike	Structure dip	Alteration Type	Alteration intensity	Mineralization mineral	Mineralization mode of occ.	Mineralization %	Veining type	Veining thickness mm	Veining no/m	Veining CA	Veining Strike	Veining dip	Samples Sample no	Samples From	Samples To	Notes
94.80	102.15	CG GRAN	Bx	Rusty brecciated coarse grained granite.	V. Difficult to distinguish beginning of bx as the intense red-orange-brown alteration in previous unit grades down into bx obscuring both brecciation and unbroken granite. Almost appears to be a pseudobreccia but for the tell-tale angular fragments. Many fragments show a long, rectangular form suggesting almost no movement & instead an in place shattering infilled by what is now a fine-grained qtz and orange-brown alteration product of unknown mineralogy. Degree of bx varies downhole but is made difficult to trace by the obscuring alteration. MnOx stringers become abundant towards bottom of unit. Carbonate veinlets still abundant along w/ a few almost chalcedonic qtz veins. Host of bx is CG Gran identical to above unit. Any originally present mafics are now gone. Mostly what is left in a recognisable form is qtz and a couple k-spar pseudomorphs. L.C. [illegible] parallel to rusty carb vein at 160°/43°	L.C.		160°	43°	Carb	s-i	MnOx	Coat	2%	rusty carbonate veinlets	1-3mm	30	Var			G983368	94.80	96.00	
										lim	m	hem	diss.	tr	[illegible] 102.10 Rusty calcite vein	10mm			160°	43	369	96.00	97.15	
										Clay	m										370	Standard		Oreas 52pb
																					371	97.15	98.40	
																					372	98.40	99.65	
																					373	99.65	101.00	
																					374	101.00	102.15	
102.15	105.15	MG GRAN	equigran rust	Rusty equigranular medium grained granite.	[illegible] identical to previous unit, much finer grained, pervasively altered to rusty orange-brown only qtz left untouched. plag looks waxy while the K-spar has a more "dusty" appearance. 40-45% qtz and ~equal parts k-spar + plag. Abundant rusty carb veinlets/stringers run throughout. Near bottom of interval plag becomes "greener" in colour. L.C. gradual. Not so much a contact as presence of regular closely spaced mineralised veinlets.					Carb	S	MnOx	coat	2%	rusty carbonate veinlets	1-6mm	10	Var			G983375	102.15	103.70	
										lim	w-m	py	diss	0.5%							376	103.70	105.15	
										Clay	m													
																					G983377	105.15	106.20	
105.15	108.80	MG GRAN	equigran min	mineralized rusty, equigranular medium-grained granite	Same as above but w/ abundant, parallel (55°/[illegible]) qtz, py, mal veinlets and stringers. Alteration colour appears a slightly lighter tan brown than deep orange-brown of previous units. Some dissem mal as well as in veinlets. Calcite/carbonate veins and veinlets cut across mineralized qtz veins. (~200°/75°). A: 106.70-106.90 White kaolinitic (?) alteration of plag gives rock a pseudo-phenocrystic appearance. much of the py shows an oxidation to Fe-oxides					Carb	S	MnOx	coat	2%	rusty carbonate stringers	1-3mm	7	Var.			G983378	106.20	107.20	
										Clay	m-s	mal	vein	2%	rusty to white calcite veins		4		200°	75°	379	BLANK		BLANK
										lim	w-m	py	Vein	2%	qtz-py-mal veinlets		35		055°	88°	380	107.20	108.10	
										Chl	w	hem	repl	3%							381	108.10	108.80	

Geological log

Hole No: 08ST-05 **p** 8 / 16 ✓



Project:	Zone:	logged by: E. Miller	Az:	Dip:	Length:

From	To	Rx code	rx code modifier	Rx Name	Description	Structure (interval/point) Type	CA	Strike	dip	Alteration Type	intensity	Mineralization mineral	mode of occ.	%	Veining type	thickness mm	no/m	CA	Strike	dip	Samples Sample no	From	To	Notes
108.80	122.40	MG GRAN	equigran.		Grey-blue, pink speckled medium grained granite					Clay	w-m	py	diss	1%	rusty carb veinlets	1-2mm	12	var			G983382	108.80	109.80	
					slightly variably altered but dominantly looks					Chl	w	mal	diss.	1%	hem-py veinlets	2-4mm	1	var			383	109.80	111.25	
					considerably fresher than any of the previous					Carb	w	cp	diss.	tr	mal stringers	1-2mm	2	var			384	111.25	112.25	
					unit. For the most part unit is equigranular							mt	diss.	5%							385	112.25	113.30	
					w/ v. rare fsp phenos & the biotite appearing							py	vein	1%							386	113.30	114.30	
					Slightly (but not significantly) phenocrystic.																387	114.30	115.40	
					Qtz (30%) → clear grey, euhedral to space																388	115.40	116.75	
					filling																389	116.75	117.85	
					Plag (30%) → white to green or blue tinted																390	Standard		Oreas 52Pb
					mostly euhedral to subhedral grains																391	117.85	119.00	
					K-spar (20%) → pale pink to white to																392	119.00	120.00	
					slightly orange in certain intervals.																393	120.00	121.00	
					mostly euhedral																394	121.00	122.40	
					Biotite (20%) → Most of the biotite looks																			
					reasonably fresh. Some has a slightly																			
					"shreddy" appearance but whether this is due to alteration of																			
					primary biotite or an indication of secondary biotite is unclear.																			
					Py and minor cp seems to "cling" to many of these biotite grains. Some																			
					grains obviously altering to chl.																			
					Some fracture surfaces show abundant mal & there is minor mal																			
					disseminated throughout.																			
					A. 108.80 - 112.25 Essentially a transition zone from the intensely altered					Carb	m-s													
					unit above to the 'fresh unit' below. Is much less altered than					Hem	m													
					previous but is still more altered than below. Has a					Clay	m-s													
					white, almost bleached appearance w/ a slight pink-brown					Chl	m-s													
					tint. Is heavily fractured. biotite is ratty in appearance altering to chl																			
					becoming more abundant down hole. Plag is green to white																			
					& alkali fsp is brown-orange to white. mal more abundant																			
					than in rest of unit. rare py.																			
					L./A. 112.80 - 113.00 Fine grained pink interval. v qtz-rich.																			
					colour reminiscent of K-spar. Has an almost "graphic" texture																			
					minor plag phenos & biotite. potassic alt? Dyke?																			
					L. 114.85 - 114.88 Fine-grained phase of intrusion. Same mineralogy																			
					smaller grain size. No chill margins but reasonably sharp &																			
					traceable contact																			
					Some mt appears to be replacing bio difficult to determine primary or secondary																			
					in other grains. Much of the bt has a ratty greenish appearance, replacing or																			
					being replaced by Chl? Usually also has some Py "clinging" to it.																			

Where I want to be right now. Rather than stuck in a core shack.

Geological log

Hole No: 08ST-05 **p** 9 / 16

Project:		Zone:		logged by:		Az:		Dip:		Length:

From	To	Rx code	rx code modifier	Rx Name	Description	Structure (interval/point) Type	CA	Strike	dip	Alteration Type	intensity	Mineralization mineral	mode of occ.	%	Veining type	thickness mm	no/m	CA	Strike	dip	Samples Sample no	From	To	Notes
122.40	124.20	MG GRAN	dk green alt	dark green altered medium grained equigranular granite	Contacts gradual. While at first glance					Carb	m-s	mt	diss	tr	Carb veinlets	1-6mm	15	var			G983395	122.40	123.35	
					this unit looks radically different from Surrounding					Chl	m-s	mal	diss	1.5%	py veinlet	1-4mm	3	var			396	123.35	124.20	
					"fresh" granite on closer examination it seems likely					lim	m	py	diss	2%										
					that this is the same lithological unit that has been					Clay	s	py	vein	1%										
					altered in a very different way. This is, however					Ser	m	MnOx	coat	1%										
					difficult to determine conclusively w just a visual																			
					examination of core. Unit is a dark green																			
					attributable to what looks like a green "waxy"																			
					alteration of the plag. Qtz is clear white																			
					to gray & K-spar is light brown to white																			
					~~M.~~ Dendritic MnOx spreads from fractures giving																			
					rock an even darker appearance. Very few actual mafics visible																			
					minor v. ratty biotite can be found disseminated unevenly in																			
					rock. Py disseminated and as veinlets throughout unit.																			
					mal dissem through rock, concentrated between																			
					123.10-123.20 where mal ~ 5-10% of rock.																			
124.20	127.50	MG GRAN	equigran		Identical to 108.80-122.40m					clay	w-m	py	diss	2%	rusty carb	1-2mm	10	var			G983397	124.20	125.60	
					w slight increase in dissem py					chl	w	mal	diss	1%	hem-py veinlets	1-2mm	3	var			398	BLANK		BLANK
										Carb	w	cp	diss	tr	mal stringers	1mm	1	var			399	125.60	126.55	
												mt	diss	5%							400	126.55	127.50	
												py	vein	1%										
127.50	129.35	MG GRAN	dk green alt	Dark green & brown altered medium grained equigranular granite	Very similar to alteration of Gran from	128.45-128.90 flt?	65°	[illegible]		Carb	m	py	diss	tr	rusty carb veinlets	1-3mm	10	var			G983401	127.50	129.35	
					122.40-124.20. Again contacts are gradual					Chl	m-s	MnOx	coat	1%										
					w "rusty" alteration grading into dk green. Main					lim	m													
					difference is much larger proportion of dark brown					Clay	m-s													
					alteration mineral (fengite?) and of a fine white					Ser	m-s													
					mica (Ser?). Also lower py + mal + mt. Rock has a dark green & brown					Fng	m-s													
					Spotted appearance. Again difficult to definitively																			
					say whether unit is lithologically the same as the surrounding																			
					"fresh" granite. Looks v. similar mineralogically																			
					speaking																			
					S. 128.45-128.90 → clay seam. flt gouge?																			
					C.A. 65°																			

ROCKS

Geological log

Hole No: 08ST-05 p 10 / 16

Project: | Zone: | logged by: E. Miller | Az: | Dip: | Length:

From	To	Rx code	rx code modifier	Rx Name	Description	Structure (interval/point) Type	CA	Strike	dip	Alteration Type	intensity	Mineralization mineral	mode of occ.	%	Veining type	thickness mm	no/m	CA	Strike	dip	Samples Sample no	From	To	Notes
129.35	133.68	MG GRAN	equigran		Almost identical to granite from 108.50-132.40 & 124.20-127.50m. Slightly higher proportion of mt most of which is "fatty" to a green tint while bio looks for the most part fairly fresh black. Mt & bio slightly but not significantly phenocrystic. Grain size seems to show a subtle fining in size down hole. Much less py than in previous occurrences of the grain. There are a couple chl stringers to epidote in alteration halo (130.00m)					Carb	w	mt	repl	6%	rusty carbonate veinlet	1-5mm	8	var			G983402	129.35	130.40	
										Clay	w-m				chl-epidote stringer	1-2mm	0.5	30°			403	130.40	132.40	Duplicated
										chl	w										404	132.40	133.68	
										mt	m													
133.68	143.75	MG GRAN	Green brown		Basically identical to granite between 127.50-129.35 w varying degrees of dominance between brown carbonatic and green clayey alteration. Plag has "waxy" appearance ranging from green to brown. K-spar has a "dusty" appearance ranging from pinkish to brown. Apart from a few surviving "fatty" looking biotite grains (more abundant in brown-dominated sections) mafics seem to be altered out. No discernable magnetite. L. 138.68-138.90 fine-grained pale pink salmon granite band, likely distinct pulse of magma coming through while mag granite was still cooling. Shows similar if less intense alteration to surrounding. No preserved mafics. Surrounding rock contains diss. mal and fine scheelite grains. S. 142.00-142.200 crushed, rubbly intensely altered Mn_2O_3-rock flt?					Carb	w-m	Sch	diss	tr	rusty carb veinlets	1-3mm	15	var			G983405	133.68	135.00	
										Chl	S	Mn_2O_3	coat	1%	qtz-carb veinlets	2-4mm	1	var			406	135.00	136.80	
										Clay	ms	mal	diss	~~tr~~	chl-carb veinlets	1-6mm	2	var			407	136.80	138.65	
																					408	138.65	139.65	
																					409	139.65	140.70	
																					410	Duplicate of		G983403
																					411	140.70	141.60	
																					412	141.60	142.70	
																					413	142.70	143.75	
143.75	163.05	MG GRAN	equigran		Return to granite from 108.50-132.40. A relatively fresh version of the medium grained granite w/ a patchy "rusty" pink alteration spreading from some fractures. This patchy alteration dies out down hole. But is dominant for first four meters. Fine-grained scheelite occurs throughout unit Qtz → (27%) → clear grey w/ white in both "fresh" and altered sections K-spars (25%) → Pink to orange-brown Plags (35%) → White to blue-grey to greenish Bio (10%) → Ranges from fresh looking black to rusty green Mt → (3%) → Seems to be replacing bio + chl. More abundant in "fresher" looking areas	147.44-148.46 filt gauge	60° to b.a.			Carb	w-m	mt	repl	3%	rusty carb veinlets	1-5mm	12	var			G983414	143.75	145.75	
										Clay	w-m	Sch	diss	tr	rusty py veinlets	1-4mm	2	var			415	145.75	146.90	
										Chl	m	Mn_2O_3	coat	tr							416	146.90	147.90	
										Lim	w-m	Cu Wol	coat	tr							417	147.90	149.35	
										mt	w-m	py	~~diss~~ vein	0.5%							418	149.35	150.40	
												hem	vein	0.5%							419	150.40	151.70	
												mal	coat	~~tr~~							420	151.70	152.80	
																					421	152.80	153.90	

Geological log

Hole No: 08ST-05 **p** 11 / 16 ✓

Project:		Zone:													logged by: E. Miller		Az:			Dip:			Length:	
						Structure (interval/point)				Alteration		Mineralization			Veining						Samples			
From	To	Rx code	rx code modifier	Rx Name	Description	Type	CA	Strike	dip	Type	intensity	mineral	mode of occ.	%	type	thickness mm	no/m	CA	Strike	dip	Sample no	From	To	Notes
					A. 158.35 - 161.54 rusty carbonate					carb	S										G983422	153.90	154.95	
					altered interval.					ser	w-m										423	154.95	156.10	
					K-spar ~ red-brown to pink, plag white-orange					lim	m										424	156.10	157.20	
					V few mafics remain ~3% biotite					clay	m										425	157.20	158.30	
					Some green (ser?) altered plag.																426	158.30	159.80	
					bio prob. altered to red-orange Fe-oxide / Fe-rich that shows																427	159.80	161.54	
					remnant micaceous textures																428	161.54	163.05	
					S./L. 161.54 - 163.05																			
					clay-rich crumbly / rubbly. poss																			
					flt ~~gouge~~ zone, ser alteration prominent																			
					L.C. Sharp but in rubble																			
163.05	168.15	Dyke	fine-grained dark	Dark Grey v.fine grained dyke	A dark grey-black to red tinted v. fine		40°			Carb	w-m	Py	diss	tr	Rusty Carb veinlets	1-2mm	15	var			G983429	163.05	164.10	
					grained dyke. Very siliceous and contains					Clay	w	hem	diss	tr							430	Standard		Oreas 53Pb
					abundant qtz eyes and fsp phenos (10%) May					lim	w	MnOx	coat	1%							431	164.10	165.20	
					simply be a dark rhyolite, as felsic components					Sil	m-s										432	165.20	166.50	
					Seem to be high despite dark colour. Displays																433	166.50	168.15	
					what may either be flow banding or																			
					a faint foliation CA. 40°. Colour																			
					lightens to a greenish-beige down hole.																			
					Very small (<1mm) white "needles" of fsp follow foliation/																			
					banding → points to foliation rather than flow-banding. Fracture																			
					surfaces light beige to yellowish w/ Mn-Ox and rare																			
					Cu Wad.																			
					J. 167.20 - 167.70 looks very much like																			
					flow banding. Much lighter beige																			
					colour than higher in hole																			
					Where rock takes on a a more reddish tone many of the phenocrysts have been																			
					replaced by carbonate also rock cut by carbonate stringers.																			
					L.C. Sharp																			

Geological log

Hole No: 08ST-05 **p** 12 / 16

Project:		Zone:		logged by: E. Miller	Az:	Dip:	Length:

From	To	Rx code	rx code modifier	Rx Name	Lithology Description	Structure (interval/point) Type	CA	Strike	dip	Alteration Type	intensity	Mineralization mineral	mode of occ.	%	Veining type	thickness mm	no/m	CA	Strike	dip	Samples Sample no	From	To	Notes
168.15	183.30	MG Gran	equagran	Equigranular medium grained granite	Identical to granite from 143.75-163.05m					Clay	w-m	py	diss	tr	rusty carbonate veinlet	1-3mm	10	var			G983434	168.15	169.25	
					Black, white, green, pink speckled granite.					Carb	W-m	mt	repl	3%	qtz carb veinlet	2-4mm	2	Var			435	169.25	170.70	
					grains from 2-4mm (equigranular). Rock					Chl	m	MnOx	Coat	tr	Chl stringers	<1mm	5	Var			436	170.70	172.20	
					appears quite fresh. Plag still shows green + white clayey					mt	m	CuWad	Coat	tr							437	172.20	173.25	
					and orange/brown carbonitic alteration. K-spar more fresh																438	173.25	175.26	
					generally appearing pink but partially bleached to white							173.00-173.25 Sch	dissem	tr							439	175.26	176.40	
					in some localised patches. Biotite ranges from fresh black							175.40-176.00 Sch	dissem	1%							440	Standard		Oreas 53Pb
					to slightly ratty to heavily chloritized. Some																441	176.40	177.50	
					chloritized grains seem to be further replaced by mt.																442	177.50	178.75	
					There are v. rare k-spar megacrysts. There are also																443	178.75	180.05	
					small beige flecks/wedges disseminated throughout poss leucoxene																444	180.05	181.30	
					L.C. Not so much contact as transition into mineralisation																445	181.30	183.30	
183.30	201.00	MG Gran	equagran min	Mineralised equigranular medium grained granite	Identical to above but greater degree	Fault 189.30-189.35	115°	052°	74°	Same as above		py	vein	1%	mal, carb veinlets	1-2mm	3	10°			G983446	183.30	184.40	
					of mineralisation. w/ abundant subparallel mal, py, qtz veins							mal	vein	3%	qtz, mal, py ± cpy veinlets	1-4mm	15	120°	056°	76°	447	184.40	185.50	
					Also mal-carb veinlets running almost core parallel.							MnOx	Coat	2%	qtz, py, sch veinlets	2-3mm	1	120°			448	185.50	186.50	
					mal, CuWad, MnOx coat fractures. Some							CuWad	Coat	1%	qtz py-cp-mo veinlets	1-3mm	10	120°	056°	76°	449	186.50	187.60	
					Veins contain Scheelite							hem	diss	0.5%							450	BLANK		BLANK
					A) 189.00-190.00 Dark green to brown alteration					Clay	m-s	Sch	diss	tr							451	187.60	188.80	
					of granite.					Ser	m	mt	repl	5%	subtotal 183.50 qtz, mal stringer	0.25		125°	070°	82°	452	188.80	190.00	
										Chl	m	mo	diss	tr	183.56 mal, CuWad veinlet	0.5		128°	056°	78°	453	190.00	191.00	
					S) 189.30-189.35 V. clay-rich. poss					carb	m-s										454	191.00	192.00	
					flt gouge. C.A. 115°. 052° 74°					lm	m										455	192.00	193.00	
					M) 193.00-193.35 very rich in mal and CuWad							mal	Coat	2%							456	193.00	194.00	
					S) 193.45-193.50 V. clay-rich. Poss flt gouge							CuWad	coat	5%							457	194.00	195.00	
					C.A. 70°							mal	vein	1%							458	195.00	196.70	
					S) 194.15-194.20 V. clay-rich. poss flt gouge																459	196.70	197.80	
					C.A. 50°																460	Standard		Oreas 52Pb
					A) 193.50-193.90 Dark green to brown alt of granite																461	197.80	198.90	
					L) 194.30-194.40 fine grained pink granite																462	198.90	200.00	
					M) 194.40-196.70 Less mineralized interval							mal	Coat	0.5%							463	200.00	201.00	
												CuWad	coat	1%										
												py	diss	tr										
					M) 197.80 - 199.60 Less mineralized interval							mal	Coat	0.5%										
												CuWad	Coat	tr										
												py	diss	tr										
												Sch	diss	tr										

Project: | Zone: | logged by: E. Miller | Az: | Dip: | Length:

From	To	Rx code	rx code modifier	Rx Name	Description	Structure (interval/point) Type	CA	Strike	dip	Alteration Type	intensity	Mineralization mineral	mode of occ.	%	Veining type	thickness mm	no/m	CA	Strike	dip	Samples Sample no	From	To	Notes
201.00	213.40	MG GRAN	equigran	Equigranular medium grained granite	Identical to granite from 168.15-183.30	205.05-205.10 fit; 213.40 L.C.				clay	w-m	mt	repl	10%	rusty carb veinlets	1-5mm	15	var			G983464	201.80	202.90	
					w a slightly higher degree of chlorite alteration + poss. higher ser alteration. Only difference from above unit is degree of mineralization, is much lower while abundance of carb veinlets is higher.			215°	20°	carb	w-m	Sch	diss	tr	mal string	1-2mm	2	var			465	202.90	204.45	
										Chl	m-s	mal	coat	tr	Calcite veins	3-6mm	2	var			466	204.45	205.45	
										mnt	m	CuWad	coat	tr	carb-sch veinlets	1-3mm	1	var			467	205.45	207.00	
										Ser	w-m	Py	diss	tr							468	207.00	207.90	
												Cpy	diss	tr							469	207.90	209.00	
					L) 204.70-206.40 heavily fractured + rubbly, slightly higher clay alt							mo	diss	tr							470	Standard		Orcas 52Rb
					S) 205.05-205.10 clay-rich pass fit gouge.																471	209.00	210.00	
					L) 207.00-207.35 Dark green-grey dyke. Shows a slight possible compositional banding. has large (2 1-3cm) blocky, rectangular vugs throughout. Contains a k-spar phens or clast near top contact. Dyke contains small (mm sized) fsp phens that have been replaced by carbonate					Chl	m									472	210.00	212.00	Duplicate!
										clay	w-m										473	212.00	213.40	
										carb	m													
					Contact Sharp parallel by what almost looks like a bx vein																			
					L) 207.35-207.90 heavily fractured + rubbly. Slightly higher clay alt																			
213.40	226.45	Dyke	brown	V. fine grained brown-beige dyke	Very fine grained brown-beige "glassy" rock contains altered phenos of fsp (20%) + has an almost "Streaked" appearance of reddish brown alteration? Extremely silicified. Very abundant Pyrolusite. Poss. faint traces of flow banding especially at contacts. Many fractures also coated in CuWad Seems to become more heavily fractured towards end of unit.					Silica	s-i	Sch	diss	tr	rusty carb Veinlets	1-3mm	6	var			G983474	213.40	214.60	
										Carb	m	CuWad	coat	1%	MnOx Stringers	<1mm	25	var			475	214.60	215.75	
										clay	w	MnOx	coat	3%							476	215.75	216.75	
																					477	216.75	217.80	
																					478	217.80	218.80	
																					479	218.80	220.00	
																					480	Duplicate of		G983472
																					481	220.00	221.00	
																					482	221.00	222.05	
					S 214.45-214.55 clay-rich pass fit gouge																	483	222.05	223.30	
					S 224.35-225 heavily fractured + rubbly																	484	223.30	224.70	
					S 225.10-225.50 heavily fractured + rubbly																	485	224.70	226.45	
					L.C. sharp but obscured by crumbly nature.																				
226.45	242.20	MG GRAN	equigran	Equigranular medium grained granite	Identical to granite from 201.80-213.40m, plag slightly more green, mafics slightly more abundant. Chloride alteration seems to spread from granite fractures and chl-carb stringers (Also pos. mt).					Silicea	w	Sch	diss	tr	rusty carb veinlets	1-3mm	20	var			G983486	226.45	227.65	
										Chl	m-s	mt	repl	10%	chl-carb stringers	1-3mm	6	var			487	227.05	228.65	
										clay	w-m	mal	string	tr	mal-carb stringers	1-2mm	3	var			488	228.65	229.80	
										carb	w-m	hem	repl	tr	carb-sch veinlets	1-2mm	1	var			489	229.80	231.80	
					S 235.20-235.60 heavily fractured					mt	m	py	diss	tr							490	Standard		Orcas 53Pb
					S 238.95-241.85 fractured + rubbly rusty, clay-rich, lim fracture surfaces coated in Mn-oxide					Ser	w-m	Sch	vein	tr							491	231.80	232.85	
																					492	232.85	233.85	

493	233.85	234.85
494	234.85	235.90
495	235.90	236.95
496	236.95	238.00
497	238.00	239.25

Geological log

Hole No: 085T-05 **p** 14 / 16

Project:			Zone:								**logged by:** E. Miller			**Az:**			**Dip:**		**Length:**
						Structure (interval/point)				Alteration		Mineralization			Veining						Samples			
From	To	Rx code	rx code modifier	Rx Name	Description	Type	CA	Strike	dip	Type	intensity	mineral	mode of occ.	%	type	thickness mm	no/m	CA	Strike	dip	Sample no	From	To	Notes
248.20	243.95	Dyke	brown	V. fine-grained brown Dyke	Very similar to dyke from 213.40-226.45m					carb	m	py	diss	tr	rusty carb veinlets	1-4mm	10	var			G983500	242.20	243.95	Duplicated
					Light brown to beige v. fine-grained matrix					clay	w-m	hem	diss	0.5%	white calcite veins	2-6mm	1	var						
					(5) Small fsp phenocrysts altering to a					lim	w-m	MnOx	coat	1%										
					clay or carbonate. Cut by rusty carb veinlets					Silica	w-m													
					and in pyrolusite in fractures & stringers.																			
					Near top and bottom of dyke there is a																			
					compositional banding, appearance of flow banding?																			
					The lower portion of the dyke is quite																			
					Silicified																			
					L.C. Sharp																			
243.95	252.40	MG GRAN	equigran	Variably altered medium grained granite	Variably altered but mineralogically identical					clay	w-m	MnOx	coat	1%	rusty carb veinlets	1-4mm	14	var			G983501	243.95	245.05	
					to previous granites, while some areas					carb	w-m	cp	diss	tr	cpy-py stringers	2-3mm	1	var			502	245.05	246.20	
					show moderate alteration unit as a					lim	w-m	py	diss	tr	mal-carb veinlets	1-3mm	4	var			503	246.20	247.20	
					whole is still relatively fresh.					chl	m-s	mal	coat	0.5%							504	247.20	248.25	
										mnt	m	mt	rpl	6%							505	248.25	249.30	
					L) 250.78-251.30 Dark grey-green					ser	w	sch	str	tr							506	249.30	250.78	
					fine grained. Contains 5% ±																507	250.78	251.30	
					fsp phenos. Rusty carb vein almost					Subunits											508	251.30	252.40	
					parallel to C.A. Cuts unit altering fsp					243.95-244.75														
					and some of fine-grained matrix					clay	m-s													
										carb	m													
					L.C. Not so much a contact as a significant increase in degree					chl	m													
					of mineralization					244.85-245.85														
										chl	s													
										clay	w													
										mnt	m													
										249.30-249.80														
										carb	s													
										clay	w-m													
										lim	m													
252.40	269.05	MG GRAN	min equigran	mineralised medium grained equigranular granite	Identical to above gran but w greater degree of					clay	m	MnOx	Coat	1%	rusty carb veinlets	1-6mm	2	5°	018°	60°	G983509	252.40	253.50	
					mineralisation. Cut by many subparallel veinlets					carb	w-m	cp	V	0.5%	chl stringers	1-3mm	2	var			510	Duplicate of		G983500
					± stringers containing py, mo, cpy, ± mal. These					chl	m-s	py	V	1%	qtz-py-cp-mo veinlets	2-5mm	16	60°	065°	70°	511	253.50	254.40	
					mineralised veinlets are cut by rusty carb veins almost parallel					lim	w	mo	V	0.5%	py-carb veinlets	2-4mm	3	60°	340°	40°	512	254.40	254.40	
					to C.A.'s that are unmineralised except for some mal					ser	w-m	C.wad	Coat	tr	py-sch. veinlets	2-3mm	1	60°			513	255.60	256.85	
					content. There is much less mt in this section							hem	diss	tr							514	256.85	258.00	
																					515	258.00	259.10	
																					516	259.10	260.10	
																					517	260.10	261.35	
																					518	261.35	262.40	
																					519	262.40	263.65	
																					520	263.65	264.85	
																					521	264.85	265.85	
																					522	265.85	266.85	
																					523	266.85	267.90	

Geological Log

Hole No: 08ST-05 p 15 / 16

Project: | Zone: | logged by: E. Miller | Az: | Dip: | Length:

From	To	Rx code	rx code modifier	Rx Name	Description	Structure (interval/point) Type	CA	Strike	dip	Alteration Type	intensity	Mineralization mineral	mode of occ.	%	Veining type	thickness mm	no/m	CA	Strike	dip	Samples Sample no	From	To	Notes
269.05	270.25	Dyke	brown	fine-grained dark orange-brown to green Dyke	Most of unit is an orange-red-brown carbonate alterated colour w patches of less altered green rock. Bottom of unit is slightly brecciated by carb veins. Abundant pyrolusite stringers in brown-altered rock, almost none in green portions, fsp phenos altering to clay + carbonate. L.C. Sharp					Carb	w-s	Py	diss	tr	rusty carb Veinlets	1-4mm	22	var			G983526	269.05	270.25	
										Chl	m-s	MnOx	coat	5%	brecciating carb veins	30mm	2	Var						
										Clay	m				MnOx String	<1mm	50	Var						
										lim	m													
270.25	271.85	MG GRAN	Brown equigran	Brown altered medium grained granite	Brown to green-tinted equigranular medium-grained granite. K-spar altered to a "dusty" tan colour. plag altered to a green tinted hazy w a slightly "waxy" appearance. Mafics almost completely altered to a "rusty" brown to green.					Carb	m-s	MnOx	Coat	1%	rusty carb veinlets	1-5mm	20	var			G983527	270.25	271.85	
										chl	m	hem	V	tr	grey-hem-py Veinlets	2-3mm	3	65°						
										Clay	m	py	V	tr										
										Ser	w-m													
										lim	m													
271.85	273.50	Dyke	brown	f.-m.g. brown to beige Dyke	V fine grained almost glassy, brown-beige rock w fsp phenos. Very Siliceous. Essentially identical to 213.40-226.45. Traces of flow banding throughout. Top 20cm are brecciated by carbonate ± veins. Also contains fragments of above gran					Silica	m	MnOx	Coat	1%	Carb Veinlets	1-3mm	13	Var			G983528	271.85	273.50	
										Carb	m				MnOx Stringers	<1mm	20	Var						
										Ser	w-m													
										lim	m													
										Chl	w-m													
273.50	281.85	MG GRAN	equigran	equigranular medium grained granite	Essentially identical to Gran from 243.95-252.40. Range from brown carbonate altered Near both upper and lower contacts to almost fresh but for pervasive Chl ± hot alteration of mafics in middle sections					clay	w-m	py	V	0.1%	rusty carb veinlets	1-4mm	9	var			G983529	273.50	274.75	
										Carb	w-m	Mo	diss	tr	calcite calcit Veinlets	2-5mm	2	var			530	Standard		Orcas 52Pb
										Chl	m-s	hem	V	tr	chl-carb Stringers	<2mm	10	var			531	274.75	276.40	
										lim	w	mt	repl	5%	Py string	<2mm	3	var			532	276.40	278.25	
										Ser	w-m										533	278.25	279.30	
										Subunits											534	279.30	280.40	
										273.50-274.75											535	280.40	281.85	
										Carb	S													
										lim	m-s													
										Ser	m													
										Chl	m													
										Clay	m													
										274.75-276.40														
										Clay	m-s													
										Carb	w													
										Chl	m-s													
										Ser	m-s													
										276.40-278.25														
										Chl	S													
										Ser	S													
										Carb	w-m													
										Clay	w													

L.C. Sharp CA. 90°

Geological log

Hole No: 08ST-05 **p** 16 / 16

Project: | Zone: | logged by: | Az: | Dip: | Length:

From	To	Rx code	rx code modifier	Rx Name	Description	Structure (interval/point) Type	CA	Strike	dip	Alteration Type	intensity	Mineralization mineral	mode of occ.	%	Veining type	thickness mm	no/m	CA	Strike	dip	Samples Sample no	From	To	Notes
281.85	299.55	Dyke	brown	Brown, v. fine grained	V. fine-grained to glassy brown to beige rock					Silica	m-s	MnOx	coat	1%	rusty carb veinlets	1-3mm	10	Var			G983536	281.85	283.05	
				dyke	with altered fsp phenos and small black hem					Clay	w-m	py	diss	tr	MnOx string	<1mm	8	Var			537	283.05	284.45	
					flecks. Basically Identical to Dyke from					Chl	w-m	hem	diss	0.1%							538	284.45	286.40	Duplicated
					243.95-252.40m. Shows a banding (flow					Carb	m-s										539	286.40	287.35	
					banding?) throughout unit. Colour varies					lim	m										540	Standard		Oreas 52Pb
					from an orange brown to an olive-green tinted																541	287.35	288.40	
					brown to a pink brown. qtz eyes																542	288.40	289.55	
					become more abundant downhole																543	289.55	290.80	
					L) 287.35 - 287.60m MG Gran																544	290.80	291.95	
					clay & carb altered. abundant																545	291.95	292.95	
					pyrolusite in microfractures.																546	292.95	293.90	
					mafics all altered or replaced.																547	293.90	295.70	
					L) 287.90-288.00 MG Gran																548	295.70	296.85	
					same as above																549	296.85	298.40	
					L) 290-290.47 MG Gran same as above																550	Duplicate of		G983538
					but much less pyrolusite																551	298.40	299.55	
					L) 291.90-292.35 same as above																			
					L) 293.90-294.35 Same as above																			
					S) 294.65-294.70 clay rich flt gouge?																			
					L) 294.70-295.50 MG Gran same as above																			
					S) 299.45-299.55 crumbly, clay rich rubble																			
					fault?																			
299.55	318.51	MG GRAN	equigran	equigranular medium-grained	Essentially identical to Gran from 243.75-252.40					Chl	m-s	Py	cube	tr	rusty carb veinlets	1-4mm	6	Var			G983552	299.55	300.85	
	EOH			granite	but less mineralised. Unit is relatively fresh					mt	m	hem	diss	tr	qtz-hem-py-carb veins	3-6mm	0.1	Var			553	300.85	302.55	
					Despite a couple more altered intervals. Most					Clay	w	mt	repl	5%	cal-chl string	<2mm	3	Var			554	BLANK		BLANK
					alteration present is a chl & mt alteration					Carb	w										555	302.55	303.55	
					of the biotite.																556	303.55	304.55	
										300.85-302.55 Clay	m										557	304.55	306.30	
					L) 309.37-309.57 Fine grained dark dyke?					Chl Carb	m w-m										558	306.30	307.40	
					dark green-grey					Chl 302.55-303.05	m										559	307.40	308.45	
										Clay Carb	s w-m										560	Standard		Oreas 53Pb
					Rock becomes fresher, less veined, and less					Chl Ser	m w										561	308.45	309.80	
					fractured downhole					304.30-306.30 Clay Carb	m m										562	309.80	310.95	
					S) 303.20-303.30					Chl mt	w-m tr										563	310.95	312.40	
					Clay + ser? rich zone. flt gouge?					308.45-309.80 Clay	m										564	312.40	313.65	
										Carb	w-m										565	313.65	314.50	
					EOH					Chl Ser	m w										566	314.50	315.45	
																					567	315.45	316.90	
																					568	316.90	318.51	
																					EOH			

Geological log v w - w - m - str - int - ext **Hole No:** 085T-04 p ___/___

Project: | **Zone:** | **logged by:** DAN HEPP | **Az:** 320 | **Dip:** -50 | **Length:**

From	To	Rx code	rx code modifier	Rx Name	Description	Structure (interval/point) Type	CA	Strike	dip	Alteration Type	intensity	Mineralization mineral	mode of occ.	%	Veining type	thickness mm	no/m	CA	Strike	dip	Samples Sample no	From	To	Notes
0.0	6.0	OVBN			OVBN - 25 cm of redrill, 6.6. granite found					Kaol lim. calc	int m-s w				calcite	tr-3	5-10	rd	rdm					
																					G982733	6.0	7.62	
																					734	7.62	8.74	
																					35	8.74	9.75	
																					36	9.75	10.90	
																					37	10.90	12.19	
																					38	12.19	13.55	
																					39	13.55	14.93	
																					40	LOW STD ORREAS 52 P6		
																					41	14.93	16.43	
																					42	16.43	18.28	
																					43	18.28	19.78	
																					44	19.78	21.33	
																					45	21.33	22.55	
6.0	22.25	CG GRAN WEA		COARSE GRAINED GRANITE (AKA K-spar Porph)	Rock is speckled light br, pinkish br & clear gy. Texture is C.G. w/ kspar phenos avg 1X2cm. Crystals are mottled. Weathering is intense causing overall rusty colour (limonite) & fracturing intense. Alteration strong, based on pima primarily kaolinite w/ minor illite and rare smectite. Original composition: 25% kspar, ~35% plag, 35% Qtz, 5% mafics. Maf x staining/coating encountered b/w x/s & and along frac. Calcite found as thin randomly oriented veins & as microveins w/ in rock 5-10/m² (0.3mm - 3mm). LC is sharp and broken.																		
				0.5x0.5cm																				
				kspar + plag gone to clay.																				
22.55	25.44	MAFIC DIKE	DK GREEN	MAFIC DIKE.	Unit is dk green almost black in colour. Texture is f.g. subvolcanic. Mineralogy is difficult to tell, but from pima it is inferred to have considerable hblende w/ possibly light coloured plag? Dk green colour is also caused by chlorite replacement. Several crumbly decimeter sized sections that are friable & rusty. Trace pyrite cubes (<0.5mm) visible disseminated throughout. Calcite veins rusty & white are found randomly oriented <1mm - 5mm in thickness 5-10/m. LC is sharp @ 75° to C.A	LC	75			chl lim	s w	py	diss	tr	calc.	1-5	5-10	rdm		46 47	22.55 24.00	24.00 25.44	
																						25.44	~~27.00~~	

SR - 3W - V

Geological log **Hole No:** ______________ p. ____

Project:		Zone:		Logged by:	Az:	Dip:	Length:

From	To	Rx code	rx code modifier	Rx Name	Description	Structure (interval/point) Type	CA	Strike	dip	Alteration Type	Intensity	Mineralization mineral	mode of occ.	%	Veining type	thickness mm	no/m	CA	Strike	dip	Samples Sample no	From	To	Notes
25.44	52.30	CGGRAN	WEA		COARSE GRAINED GRANITE (AKA K-spar Porp)					kaol	in				calcite	tr-3	5-10	rdm			48	25.44	27.00	DUPLICATED
					Identical to 6.0 - 22.25 unit.					lim	m-s										49	27.00	28.50	
										calc	w										50	28.50	30.25	
				L: Green	felsic dike: f.g. subvolcanic. Upper																6982801	30.25	31.8	
				31.8	and lower contacts are gradual					phengite	?				Qtz ?	50	1	60°	?	?	802	31.8	32.5	
				- 32.50m	indicating possible absorption.					illite	W										803	DUPLICATE OF		~~6982718~~ 6982718
					Very hard → silica, pima indicates					sili	m										804	32.5	33.83	
					illite + phengite present. Vuggy																805	33.83	35.3	
					very rusty MnOx stained 5 cm																806	35.3	37.15	
					thick vein found @ 32.1 m.																807	37.15	39.0	
																					808	39.0	40.7	
				LC.	is gradual + broken.																809	40.7	42.67	
										Kaol	ext										810	HIGH	STD	OREAS 53Pb
				Alt:	51.8 - 52.30m Alt intensifies					lim	m-s										811	42.67	44.63	
					rock crumbles apart					calc	s										812	44.63	46.63	
										ill	ext										813	46.63	48.63	
52.30	63.10	CGGRAN			COARSE GRAINED GRANITE (AKA K-Spar Porph)																814	48.63	49.93	
					Unit becomes "fresh" + has a C.G.							py	diss	tr	calcite	tr-3	10	rdm			815	49.93	51.10	
					intrusive texture. Crystals are generally subhedral																16	51.10	52.30	
					+ rock is weak - mod. fractured. Colour																17	52.30	54.0	
					is a light speckled pink, w/ clear gray																18	54.0	56.0	
					qtz + dk mafics.																19	56.0	58.0	
				Mineralogy:	Kspar 35% phenos 1cmx2cm																20	58	60.0	
					Plag 25%, white → green white																21	60	61.05	
					Qtz 30%, cl. gy (smoky)																22	61.05	63.10	
					Biotite 5-10%, sometimes "shreddy"																23	BLANK		
					often contains magnetite on																			
					edges (~<1%)																			
				Alteration	is weak, kaolinite w/ small					kaol	w													
					5-10 cm zones w/ int. crumbly alt.					lim	tr-w													
					Limonitic weak also, + where present					seri	tr													
					patchy.					ill	ext													
				Mineral:	tr. pyrite diss																			
				Veining	Rusty calc sporadic + rdm																			
					generally thin <1mm - 3																			
					10/m																			

Geological log — Hole No: _____ p 3 /

Project: | Zone: | logged by: | Az: | Dip: | Length:

From	To	Rx code	rx code modifier	Rx Name	Description	Structure (Interval/point) Type	CA	Strike	dip	Alteration Type	intensity	Mineralization mineral	mode of occ.	%
62.10	90.25	CG GRAN	MIX	COARSE GRAINED GRANITE OF MIXED ALTERATION	Colour of unit varies depending on which alterations are affecting the rock. From rusty off white to a pale creamy green to fresh. Original mineralogy + textures remain the same as above unit except @ times the rock can become mottled. Changes in alteration are abrupt and can be gradual. Mineralization includes trace pyrite + hematite. Veining consists thin sporadic calcite veins that are often rusty <1mm – 10mm in width 5-10/m. 4 cm thick rusty qtz + hem vein @ 67.65m. Dominant alteration is kaolinite (pima) + is rusty white. other alterations include illite, muscovite, hematite. ↓sericite					kaol	w-int	py	diss	tr~
										illite	?	hem	diss	tr-1
										ser	tr-s		+ veinlets	
					LC is picked on increase in mineralization sharp? → subjective									
					S: 69.80 – 70.10 m Fault gouge									
					M: 71.25 – 71.75 Pyrite rich zone, occurs as disseminated matts (aggregates)					ser	s	py	diss	3%
90.25	94.48	CG GRAN	MIN	COARSE GRAINED GRANITE MINERALIZED	Unit is the same as above, w a variety of colours depending on which alterations are affecting the rock. The dominant alteration is a white clay (kaolonite) + illite that is a rusty colour. Mineralization doesn't seem to be specific to one particular alteration type in this case. Cp is present as thin parallel veinlets (4-15/m) w qtz, py + hematite rimming around cp + as disseminated blebs from <1mm – 5mm in diameter. In total cp constitutes upto 1% of rock but likely averages around 0.5%. One common alteration throughout is the increase in silicification which is m-s. LC is gradual	C	S	sili	m-s	cp
										kao	w-s	cp	vnl	0.5
										lim	ars			tr
										ill	w-s	py	diss	0.5
										ser	m	py	vnl	0.5
												mal	diss	tr-0.5
												mal	veins	tr-0.5

From	Veining type	thickness mm	no/m	CA	Strike	dip	Samples Sample no	From	To	Notes
	calc	<1 – 10	5-10	rdm			24	63.10	65.15	
	74.2	1		20	250	31	25	65.15	66.0	
	75.05	1		40	098	84	26	66	67.06	
	75.35	1		45	074	71	27	67.06	68.10	
	76.05	3		20	178	72	28	68.1	69.80	
	75.9	5		20	112	71	29	69.8	70.10	
	75.85	3		50	170	88	30	70.1	71.25	
	76.3	2		50	091	87	31	71.25	71.75	
	76.55	3		45	100	77	32	71.75	73.30	
	76.60	3		45	346	44	33	73.30	75.28	
	77.4	1		70	029	54	34	75.28	76.45	
	77.48	1		65	115	43	35	76.45	77.50	
	77.75	2		30	115	72	36	77.50	78.77	
	77.80	1		30	113	78	37	78.77	79.76	
	78.70	2		15	185	56	38	79.76 80.87	80.87	
	78.75	1		45	113	80	39	80.87 81.50	81.50	
	83.2	1		45	115	70	40		HIGH	STD 53 Pt
	BIOTITE BAND					??	41	81.5	82.29	
	@ 83.50			30	270	30	42	82.29	83.23	
							43	83.23	84.85	
							44	84.85	86.0	
							6982845	86	87.1	
							6982846	87.1	88.1	
							6982847	88.1	89.2	
							6982848	89.2	90.25	
	cal,	2-5	1	var	var	var				
	qtz	1-20	0.5	var	var	var	6982849	90.25	91.1	
	qtz + sx	0.5-3	4-15	50	050	80	6982850	Blank		
							6982851	91.1	92.0	
							6982852	92.0	92.8	
							6982853	92.8	93.6	
							6982854	93.6	94.48	

Avg. vein orientation is about 050/80 for cp/qtz veins.
Mal. staining present in patchy sxns 0.5 – tr

19.07.08

Geological log

Hole No: 08St-04 **p** 4 1

Project:	Zone:	logged by:	Az:	Dip:	Length:

From	To	Rx code	Rx code modifier	Rx Name	Description	Structure (interval/point) Type	CA	Strike	dip	Alteration Type	Intensity	Mineralization mineral	mode of occ.	%	Veining type	thickness mm	no/m	CA	Strike	dip	Samples: Sample no	From	To	Notes
94.5	110.5			medium grained granite	Medium grained granite: pale pink (K-feldspar) - pale light green (sericite) - pale greyish (quartz) and dark spotted (biotite) granite with random, poorly defined, irregular appearance (quartz, feldspar, K-feldspar and well defined, variable shaped, ± irregular mafics (biotite; amphibole appears to be ± lacking). Weak patchy magnetism is restricted to fresh appearing subsections. The majority of the material is moderately scratch resistant - hard, with softer patches and < several cm subsections as a result of variably intensely and variably predominantly sericite or clay bearing alteration. Mafics (biotite) ± with corroded appearance and as a result of partial chloritisation and/or replacement by trace-minor sulphides (pyrite) mm- rarely < cm scale, ± sand. pale dark - discrete rusty coloured, ± strongly carbonate bearing, variably orientated quartz± veinlets and veins amount to <1 - >5/m; and they ± display rusty coloured, weakly carbonate bearing (± increased clay and sericite) halos.					clay: weak; chlorite: very weak; calcite: very weak; sericite: moderate		pyrite: mafic replacement, <<0.5%; chalcopyrite specks in veinlets: trace			quartz ± carbonate: preferably 8-30° to CA, preferably strike ~120°, dip ~75°; 1->5/m						6982855	94.48	95.9	
																					6982856	95.9	97.4	
																					6982857	97.4	98.8	
																					6982858	98.8	100.2	
							96.7-99.2			clay: strong; sericite: moderate; calcite: weak		malachite disseminated: trace									6982859	100.2	101.6	
																					6982860	Standard		52Pb
																					6982861	101.6	103	
																					6982862	103	104.4	
																					6982863	104.4	105.4	
																					6982864	105.4	106.4	
																					6982865	106.4	107.4	
																					6982866	107.4	108.4	
																					6982867	108.4	109.4	
																					6982868	109.4	110.5	

quartz± (Rx Name margin, beside veinlets line)

19.07 - 20.07.08

Geological log

Hole No: 08 St-04 p 5 1

Project:	Zone:	logged by:	Az:	Dip:	Length:

Columns: From | To | Rx code | rx code modifier | Rx Name | Description | Structure (interval/point): Type, CA, Strike, dip | Alteration: Type, Intensity | Mineralization: mineral, mode of occ., % | Veining: type, thickness mm, no/m, CA, Strike, dip | Samples: Sample no, From, To, Notes

Sulphide mineralisation predominantly occurs as trace - minor disseminated pyrite (+- sulphidisation of mafics). Locally trace chalcopyrite (mm-scale specs) in local and related w/ cm quartz vein (95.5 m). Locally trace - minor malachite coating on fractures, disseminated ①

LC: +- arbitrary chosen, based on transient fresher / well defined appearance, no plane.

① From 96.75 - 96.9: Material is crumbly sand - fine gravel sized material, presumably as a result of lost cohesion in conjunction with clay bearing alteration (and destroyed when drilled?)

From	To	Rx Name	Description	Structure	Alteration	Mineralization	Veining
110.5	153.5	② Locally weak porphyritic texture with ≤ [illegible] scale phenocrysts.	Very reminiscent to / i.e. seamless continuation of overlying interval but overall fresher appearing equigranular, medium grained granite ②. The colour of protolith varies from medium - light grey to weakly pinkish. Material is weakly - locally moderately altered (patches / subsections): Sericite, chlorite, magnetite, pyrite, carbonate, clay? and silicification? (based on locally detectably exceptionally hard feldspar phenocrysts). The majority of the mafics (biotite, +- minor amphibole) with a corroded appearance as a result of partial replacement by pyrite, chlorite, magnetite.	+/- patchy; 1393 - 139.6	clay: weak; carbonate: weak; sericite: weak; chlorite: weak; magnetite: weak; 139.3 - 139.6 calcite: intense	pyrite: mafic - replacement ≤ 1%; chalcopyrite mafic - replacement: trace; magnetite: mafic - replacement: ≤ 1%; chalcopyrite: disseminated trace; malachite: coating on fractures; 120.6 - 120.85 malachite disseminated ≤ 2%?; 112.5 - 112.6 chalcopyrite: disseminated: trace; 112.5 - 112.6 pyrite: mafic replacement: > 3%?	calcite? >1 - <3, <1; quartz? calcite? ≤1, 1-6, variable; quartz +- calcite <10 - <50, <1, 35, 120, 70; calcite >10, <1, n.d

Sample no	From	To	Notes
6982869	110.5	111.8	
6982870	112.8	114.5	Duplicate of 6982873
6982871	111.8	112.4	
6982872	112.4	112.8	
6982873	112.8	114.5	Duplicated
6982874	114.5	116	
6982875	116	117.5	
6982876	117.5	118.9	
6982877	118.9	119.7	
6982878	119.7	120.6	
6982879	120.6	120.9	
6982880			Standard 53Pb
6982881	120.9	121.5	
6982882	121.5	121.9	
6982883	121.9	123.25	

⊕ rarely grading to ~ m scale pervasive orange tint: carbonate bearing, +/- sericite and clay bearing, locally over < dm width associated with [illegible] decreased [illegible] (carbonation)

Geological log

Hole No: 0854-04 **p.** 6

Project:	Zone:	logged by:	Az:	Dip:	Length:

Description:

There is enough secondary magnetite to produce weak, patchy magnetism. Rusty walled fracture planes and variably pale - discretely rusty orange variably [illegible], +/- carbonate bearing hairlines and veinlets are partially [illegible] by rusty orange halos ⊕ Geneticically related, [illegible] ~ 25 cm wide, +/- grey, pale - rusty orange quartz-, +/- calcite veins at 119.5 and 121.75 at ~35° to CA ≙ ~ strike 120°, dip 70°.
At 139.3 - 139.6: several cm scale, pale, patchy calcite veins, very weakly aligned β ~ 20° to CA ≙ strike ~ 156° and dip ~ 48° in highly altered (loss of primary textures) highly calcite bearing material locally weak - moderate malachite stain on fracture planes, very rarely grading to small [illegible] - [illegible] with weak, pervasive malachite: 120.6 - 120.85. Magnetite replacing mafics is estimated < 1%. Pyrite replacing mafics is estimated < 0.5. Chalcopyrite replacing mafics [illegible] to trace. ⊕ see reverse
From 123.25 - 124: intensive fracturing, +/- rusty - black (Mn) stained fracture planes weak response to copper [illegible]

Sample no	From	To	Notes
6982884	123.25	124.05	
6982885	124.05	125.5	
6982886	125.5	127	
6982887	127	128.5	
6982888	128.5	129.5	
6982889	129.5	130.6	
6982890			
6982891	130.6	131.6	
6982892	131.6	132.6	
6982893	132.6	133.6	
6982894	133.6	134.65	
6982895	134.65	135.65	
6982896	135.65	136.6	
6982897	136.6	137.7	
6982898	137.7	138.7	
6982899	138.7	140	
6982900			Blank
6982901	140	141.5	
6982902	141.5	142.25	
6982903	142.25	143.5	
6982904	143.5	144.6	S+C

test, moderate - strong clay? and sericite? bearing alteration.

Geological log

Hole No: 08ST-04 **p** 7 /

Project:		Zone:		logged by:		Az:		Dip:		Length:

From	To	Rx code	rx code modifier	Rx Name	Description
144.6	145.4			Fault	discrete rusty orange - dirty dark brown (Mn-oxides?) with primary textures ± obliterated. Weakly carbonate bearing. Weak-moderate sericite bearing alteration? moderate - strong (within patches) clay bearing alteration? From 144.6 - 144.8 strongly fractured core and < 10cm orange earthy, silty-medium gravelly, breccia textured fault gouge underlain by fault plane @ 70° to CA. UC Abruptly increasing clay bearing alteration LC: Abruptly decreasing clay bearing alteration, crumbly core, no plane From 145.4 - 146.3: >7/m mm-few mm scale rusty and dirty dark grey variably oriented highly calcite ⊕ bearing veinlets associated with weak pervasive calcite bearing alteration. From 149.25 - 150.3 patchy-pervasive sericite- and prominently orange ⊡ carbonate bearing alteration. From 152.8 - 153.3 discrete orange tint and significantly increased clay- and sericite bearing alteration associated with strong fracturing (weak core pattern) and decreased competency, locally silty-earthy seams - gouge. LC: Gradational, no plane.

⊕ ± minor pyrite

⊡ tinted

Structure (interval/point) / Alteration

Interval	Alteration Type : intensity
123.25 - 124	clay? moderate; sericite moderate
145.4 - 146.3	sericite: moderate
149.25 - 150.3	sericite: moderate; calcite: moderate-strong
152.8 - 153.3	sericite?: moderate; clay: strong

Mineralization

Interval	mineral	mode of occ.	%
122.5 - 122.6	chalcopyrite	sulphide replacement	> 0.5%?

Veining

Interval	type	thickness mm	no/m	CA	Strike	dip
145.4 - 146.3	calcite ± quartz?, grey	1-3	>7	22	115	84
				51	012	74
				14	120	88
150	rusty [illegible]	3	1	15	123	87
150.5	calcite ± quartz?, ± pyrite grey	3	1	20	112	88

Samples

Sample no	From	To	Notes
6982905	144.6	145.4	C
6982906	145.4	146.3	
6982907	146.3	147.8	
6982908	147.8	149.25	
6982909	149.25	150.3	
6982910	Standard		
6982911	150.3	151.6	
6982912	151.6	152.8	
6982913	152.8	153.5	✓

23.04.08

Geological log

Hole No: ST-04 **p** 8 /

Project:		Zone:		logged by:		Az:		Dip:		Length:

From	To	Rx code	rx code modifier	Rx Name	Description	Alteration Type	intensity	Mineralization: mineral	mode of occ.	%	Veining: type	thickness mm	no/m	CA	Strike	dip	Sample no	From	To	Notes
153.5	157.7			mineralised granite	Medium grained, equigranular granite as described for overlying intervals is crosscut by dark coloured, sulphide bearing (pyrite, chalcopyrite, ± molybdenite) sheeted (@ 60° to CA ≅ strike 060, dip 80) hairlines, that partially grade to < few mm scale, poorly defined veinlets. From UC - 156.4 < 1/m of these hairlines with abrupt increase to > 15/m around 156.5 - sheeted hairlines/veinlets. Trace - minor disseminated molybdenite and chalcopyrite. As a result of fine grain size mineral contents are difficult to estimate: molybdenite: trace, chalcopyrite < 0.3%, pyrite > 0.5%. Trace scheelite. LC = Abrupt decrease of sulphide bearing hairlines: no plane.	clay: very weak; carbonate: very weak; sericite: weak; chlorite: weak; magnetite: weak		magnetite - mafic replacement: < 1%; pyrite: sheeted hairlines/mafic replacement: < 2%; chalcopyrite sheeted hairlines/mafic replacement: < 0.3%; molybdenite disseminated, hairlines: trace; scheelite: disseminated, hairlines: trace									6982914	153.5	154.5	
																	6982915	154.5	155.5	
																	6982916	155.5	156.4	
																	6982917	156.4	157.05	
																	6982918	157.05	157.7	
										156.5 - 157.6	± quartz, ± pyrite, ± molybdenite, ± chalcopy	< 1-3	> 15	60	060	80				
																	6982919	157.7	159.25	
																	6982920	Duplicate of		↓ 6982931
157.7	173.75			medium grained granite	Medium grained, equigranular granite as described for overlying intervals (110.5 - 153.5). Within the upper part of this interval few scattered dark - rusty sulphide bearing hairlines as described for "153.5 - 157.6" @ 50°-60° to CA = ~ strike 050°, dip ~ 80° are displayed. Locally minor molybdenite coating and scheelite coating on fracture planes. Overall relatively feldspar rich weakly altered and mineralised granite interval. [illegible]			scheelite: disseminated, coating on fractures: trace									6982921	159.25	160.8	C
																	6982922	160.8	162.3	S
																	6982923	162.3	163.85	S
																	6982924	163.85	165.1	S
																	6982925	165.1	166.35	S
																	6982926	166.35	167.85	C+S

Geological log **Hole No:** St-04 **p** 9 /

Project:		Zone:												logged by:				Az:			Dip:		Length:	
						Structure (interval/point)				Alteration		Mineralization			Veining						Samples			
From	To	Rx code	rx code modifier	Rx Name	Description	Type	CA	Strike	dip	Type	intensity	mineral	mode of occ.	%	type	thickness mm	no/m	CA	Strike	dip	Sample no	From	To	Notes
					Fractures are partially coated by rusty reddish halos, locally patches - small sub-sections with somewhat increased clay? - and sericite bearing alteration. LC: Abruptly increasing fracturing and alteration, & steep angle to CA.					sericite: very weak chlorite: very weak magnetite: weak		magnetite: mafic replacement ≤<1% pyrite: mafic replacement, hairlines: <1%? chalcopyrite: mafic replacement, hairlines: trace									6982927	167.85	169.35	S+C
																					6982928	169.35	170.8	C
																					6982929	170.8	171.3	C
																					6982930			
																					6982931	172.3	173.75	S
✓ 163.85	166.35			altered granite	Medium grained granite as described before, moderately - strongly sericite altered (majority of feldspars is ~ entirely sericite altered resulting in waxy green colour) with < dm strongly clay altered, pale - pinkish patches and 4 (occurring as 1 swarm) discrete clay, orange - locally pale coloured +/- discretely zoned, highly calcite bearing, sub mm - ~5 mm veinlets subparallel to CA ≙ strike 150°, dip 80°. Moderately calcite bearing throughout. Trace - minor disseminated sulphides, +/- with rusted seams: pyrite. UC: Moderately well defined alteration front & shallow angle to CA. ⊕ LC: Decreasing alteration over several cm, no plane					sericite: strong chlorite? weak? carbonate: moderate		pyrite: disseminated <0.3%?												

⊕ Scattered red specks indicating magnetite oxidised to hematite

⊗ locally < few cm scale, discretely rusty orange, earthy seams, interpreted as veinlets / veinswatter than gouge.

24.07.08

Geological log

Hole No: 08ST-04 p 10 1

Project: | Zone: | logged by: | Az: | Dip: | Length:

						Structure (interval/point)				Alteration		Mineralization			Veining							Samples			
From	To	Rx code	rx code modifier	Rx Name	Description	Type	CA	Strike	dip	Type	intensity	mineral	mode of occ.	%	type	thickness mm	no/m	CA	Strike	dip	Sample no	From	To	Notes
173.75	176.8			altered granite	Pale light reddish brown-beige, locally very lightly greenish, finely mottled-spotted (altered intrusive texture), dusky gray-blue patches, blotches and filament bearing variably weakly-discretely relict granitic textured, altered, medium grained granite. Prominent dusky coating (Mn-oxides, rust) on fracture planes, ± with irregular usually coloured halos penetrating into host rock forming pinlines, wisps, patches and result in dirty appearance. Responds to copper wand test. Moderately scratch resistant-soft as a result of moderate-strong clay ± sericite? and ± limonite? bearing alteration: Majority (>80%) of mafic-mineralds altered to very soft red brown-rusty ordinary material, feldspar ± altered to clay minerals and sericite. LC: Over ~ 3 cm discussing alteration, no plane					clay: moderate silicify: moderate limonite/clay: strong		wisps, patches: <10%	limonite	<1	5	0-5	variable			6982932	173.75	174.8	split
																					6982933	174.8	175.8	S
																					6982934	175.8	176.8	S

Geological log

Hole No: 08 St-04 **p** 11

⊕ locally weakly porphyritic

Project:		Zone:							logged by:								Az:			Dip:		Length:		
						Structure (interval/point)				Alteration		Mineralization			Veining						Samples			
From	To	Rx code	rx code modifier	Rx Name	Description	Type	CA	Strike	dip	Type	intensity	mineral	mode of occ.	%	type	thickness mm	no/m	CA	Strike	dip	Sample no	From	To	Notes
176.8	210.2			medium	(grey-pinkish (K-feldspar)					chl	W	mte	sr	<1?							6982935	176.8	177.5	S
				grained	medium grained equigranular ⊕					mtl	W	cPY	sr	0.01							6982936	177.5	177.95	S
				granite	granite as described before.							cPY	V	0.01										
					Up to >3 m, fresh appearing							PY	sr	<0.3?							6982937	177.95	178.15	S
					subsections (mafics, parti-							PY	V	0.01							6982938	178.15	178.25	S
					cularly biotite are partially							mol	V	0.01										
					replaced with magnetite							mol	diss	0.01							6982939	178.25	178.6	S
					chlorite, rarely trace pyrite)									178.05	qtz-mol, cPY	4	n.d.	55			6982940	Standard	53Pb	
					are alternating with equally																6982941	178.6	179.85	S
					sized, discontinuous and ... altered									178.2	qtz, py, mol	<1	n.d	55						
					subsections: Particularly mafics																6982942	179.85	180.7	S
					are replaced by prominently										carb, orange	1-4	<1-~24	variable, ref. 20						
					orange, very soft, unknown																6982943	180.7	181.5	S
					mineral / mix of minerals:									200	py, cPY, mol	2	n.d	70	055	81				
					± carbonate (siderite & ankerite?)																6982944	181.5	182.1	S
					clay?, limonite?) - and	177.5-177.95				clay	m				qtz py cPY	<1	n.d.	50	052	83				
					material is crosscut by					carb	m										6982945	182.1	183.3	S
					0 to <5/m pale-discrete,	178.15-178.25				clay	m													
					orange, variably orientated, ±?					carb	W										6982946	183.3	184.5	S
					± illite bearing. Fe-carbonate?	178.6-179.8				clay	S	illite	V	0.01										
					bearing and/or limonite?					carb	W										6982947	184.5	185.2	S
					bearing veinlets of random					ser	m													
					mm scale, very rarely ~	180.4-181.5				clay	m										6982948	185.2	185.5	S
					5 mm scale. Within these					carb	m													
					subsections poorly defined					ser	m										6982949	185.5	186.7	S
					patches display sericite and/	182.1-184.5				clay	m?										6982950	Blank		
					or clay altered feldspars; ⊠					carb	m-S										6982951	186.7	188	S
					Intensive clay bearing alteration					ser	m													
					is associated with heavily	185.2-185.5				carb	S										6982952	188	189.3	S
					decreased competence/					clay	S?													
					crumbly broken core. No	189.3-189.6				carb	S				also refer to structural						6982953	189.3	189.9	S
					association between sulphide					clay	S?				log									
					bearing mineralization	193.8-195.8				carb	m										6982954	189.9	191.2	S
					and orange altered sections/					clay	m-S?													
					patches could be detected. With					ser	W										6982955	191.2	192.5	S
					the exception of magnetite	197.95-198.8				carb	W-m													
					large portions of the material					clay	m?										6982956	192.5	193.8	S
					appear to be non- very weakly					ser	W													

⊠ ± grading to pervasive, moderate-strong sericite/clay alteration.

Geological log

Hole No: 08SY-04 p 12 /

Project:			Zone:							logged by:			Az:		Dip:		Length:
						Structure (interval/point)				Alteration		Mineralization			Veining								Samples			
From	To	Rx code	rx code modifier	Rx Name	Description	Type	CA	Strike	dip	Type	intensity	mineral	mode of occ.	%	type	thickness mm	no/m	CA	Strike	dip	Sample no	From	To	Notes
					mineralised with locally typical <0.3% disseminated (sulphide replacement) chalcopyrite and overall trace - <0.3% chalcopyrite and molybdenite which are +/- associated with <0.3% pyrite as constituent of sub mm - rarely <5mm quartz | veinlets, preferably @ 60°-70° to CA and frequency commonly 0 - very rarely >5%. Few weakly malachite stained fractures and faint halos superimposing sulphide bearing laminae. LC: ± arbitrary screen based on increasing mineralisation, no plane	200.8	-201.8			dwy	m²											6982957	193.8	194.8	S
										wkly	m													
										ser	Vn										6982958	194.8	195.8	S
						202.6	-203.3			dwy	m²													
										wkly	m										6982959	195.8	196.8	S+C
										ser	Vn										6982960	Standard		Pb
						204.75	-208.5			wkly	Vn	very weak!									6982961	196.8	197.95	C
										dwy	m													
										wkly	m										6982962	197.95	198.8	C
																					6982963	198.8	199.8	C
																					6982964	199.8	200.8	C
																					6982965	200.8	201.8	C
																					6982966	201.8	202.6	C
N	181.85	182.1		mafic dike	Dark grey, aphanitic, resistant (mm-<4mm quartz filled <10%) moderately magnetic, moderately weak-resistant, presumably mafic dike. UC: sharp, distinct, 860° to CA ≙ strike 065°, dip 84° LC: sharp, distinct, sub-parallel to UC.																6982967	202.6	203.3	C
																					6982968	203.3	204.75	S
																					6982969	204.75	206	S
																					6982970	Duplicate of		
																					6982971	206	207.25	S
																					6982972	207.25	208.5	S
N	189.6	189.9		Fault	moderately-strongly broken core and 2 sericitic, reddish brick clayey gouge seams @ 60°-70° to CA.																6982973	208.5	209.5	
																					6982974	209.5	210.2	
N	198.2	198.25		Aplite	Pinkish, aphanitic intrusion. Sharp, distinct contacts @ 60° to CA.																				
N	203.13	203.2		Felsic? intrusion	Pale olive green grey - pinkish beige, aphanitic, hard, discretely flow banded, presumably felsic intrusive. Sharp, distinct, 50° to CA.																				

Geological log 29.07.08
table 30.07.08

Hole No: 08St-04 p. 13 /

Project:		Zone:										logged by:					Az:			Dip:		Length:		
						Structure (interval/point)				Alteration		Mineralization			Veining						Samples			
From	To	Rx code	rx code modifier	Rx Name	Description	Type	CA	Strike	dip	type	intensity	mineral	mode of occ.	%	type	thickness mm	no/m	CA	Strike	dip	Sample no	From	To	Notes
210.2	216.05		mineralized		Seamless continuation of over-	210.2-210.5				chl	W			211=	cal	5	n.d	55			6982975	210.2	210.5	
				granite	lying interval, but signi-			"		mtc	W													
					ficantly increased alteration					210.2-216.5		cpy	diss	0.3							6982976	210.5	211.15	
				±	associated with sulphide					"		py	V	0.3										
					mineralization. A total of					"		cpy	V	0.01							6982977	211.15	211.75	
					1.3 m of entire interval					"		mol	V	0.01										
					with weakly altered	210.5-211.15				carb	W										6982978	211.75	212.6	
					appearance displayed as			"		lim	m													
					≥ dm - < few dm sized			"		arg	m										6982979	212.6	213.5	
					patches and subsections					210.5-211.5		py	V	0.5							6982980	Standard		53Pb
					with biotite- and magnetite																6982981	213.5	214.4	
					altered mafics as described	211.15-211.75				chl	m													
					before. Rusty orange, carbonate,			"		ser	w										6982982	214.4	215.3	
					± limonite?, ± clay bearing			"		carb	W													
					alteration particularly from					211.15-211.75		py	diss	0.3							6982983	215.3	216.05	
					210.5-211.15 associated with					"		cpy	diss	0.3										
					locally crumbly broken core					"		py	V	0.5										
					and ? rare 5 mm carbonate					"		cpy	V	0.01										
					vein @ 55° to CA					"		mol	V	0.01										
					From 211.75 downwards predom-	211.75-216.05				ser	S													
					inantly a pale cream (clay			"		arg	m													
					altered feldspar) - pale green			"		carb	W													
					(sericite altered feldspar)			"		chl	W													
					bleached appearance associated					211.75-216.05		py	diss	0.3										
					with few rusty orange coloured					"		cpy	diss	0.5										
				-pale	carbonate bearing veinlets as					"		py	V	0.5										
					described for overlying					"		cpy	V	0.3										
					interval. Material bears					"		mol	V	0.3										
					a total of ~1%? disseminated										qtz-	<1-3	<5-20	55	050	75				
					sulphides (± sulphides										sulphide									
					replacing mafics): pyrite >																			
					chalcopyrite > molybdenite.⊛																			
					Material displays < 5 to																			
					230/m hairline - < 4 mm,																			
					± quartz, ± pyrite, ± chalcopyrite,																			
					± molybdenite bearing ± shielded																			
				⊠ preferrably	veinlets/veins ⊠ @ ~50° to CA																			
					≙ strike 055°; dip 80°.																			

⊛ preferrably in weakly altered appearing subsections.

Geological log

Hole No: 08St-04 **p** 141

Project:			Zone:										logged by:					Az:			Dip:		Length:	
						Structure (interval/point)				Alteration		Mineralization			Veining						Samples			
From	To	Rx code	rx code modifier	Rx Name	Description	Type	CA	Strike	dip	Type	intensity	mineral	mode of occ.	%	type	thickness mm	no/m	CA	Strike	dip	Sample no	From	To	Notes
					Total sulphides of vein mineralisation is estimated to be <2% (pyrite > chalcopyrite > molybdenite). LC: sharp, distinct, irregular, no planar.																6482984	216.05	216.7	
																					6482985	216.7	217	
																					6482986	217	218.5	
216.05	218.5			rhyolite	Variably dark grey - pale green - pale cream - discretely rusty red stained, bleached, feldsparphyric (>10%, <mm - seldom <5mm subhedral-euhedral plagioclase and <5% +/- <cm, +/- chloritised and +/- sulphidised, anhedral mafics in aphanitic groundmass) locally accumulation of sub mm quartz veins. Rusty coated fracture planes and hairline envelopped by prominent rusty haloes. LC: indistinct, sharp, ?65° to CA					chl	W	py	diss	<1										
√ 216.7	217			Fault	Rusty red, silty - fine gravelly, earthy material: fault gouge?																			

01.08.08 Geological log **Hole No:** 08 St-04 **p** 15 1

Project:		Zone:		logged by:		Az:		Dip:		Length:

From	To	Rx code	rx code modifier	Rx Name	Description	Structure (interval/point) Type	CA	Strike	dip	Alteration Type	intensity	Mineralization mineral	mode of occ.	%	Veining type	thickness mm	no/m	CA	Strike	dip	Samples Sample no	From	To	Notes
218.5	222.5			altered granite	Rusty altered, medium grained, equigranular granite: Distinctly pale orange tinted material. Primary textures are obscured by (particularly mafic minerals) ± completely replaced by limonite- and clay bearing (locally sericite bearing) alteration. Moderately-strongly fractured, preferably @ ~50° to CA. Fracture planes are ± rusty coated, locally associated with Mn oxides, very rarely with malachite coating (220.15m) locally weak, wispy Mn oxides grades rarely to fairly developed, cm scale Mn oxide bearing band @ 50° to CA. From 221.8 – 222.5 two 3-4 mm quartz veins bear ~20% strongly rusted, mm-cm scale, cubic pyrite aggregates / crystals associated with faint-discont. malachite wisps. From UC – 219.6* < dm scale, silty-coarse sandy, earthy, rusty orange gouge seams associated with fracture planes @ 40°-50° to CA and breccia textures. LC - Abruptly decreasing alteration, no plane.					ser arg lim	w m m	mal py ch	V V V	0.01 0.01 0.01							6982987 6982988 6982989 6982990 6982991 6982992	218.5 219.6 221 Blank 221.65 221.9	219.6 221 221.65 221.9 222.5	
* a total of ~17cm																								
V: 221.65	221.9			Fault	10cm rusty orange, strongly clayey - weakly sandy gouge sandwiched between fracture planes @ 55° to CA and overlapped by dm scale intensively fractured halo.																			

Geological log 01.08.08 **Hole No:** 08St-04 **p** 16 /

Project: **Zone:** **logged by:** **Az:** **Dip:** **Length:**

From	To	Rx code	rx code modifier	Rx Name	Description	Structure (interval/point) Type	CA	Strike	dip	Alteration Type	intensity	Mineralization mineral	mode of occ.	%	Veining type	thickness mm	no/m	CA	Strike	dip	Samples Sample no	From	To	Notes
																					6982993	222.5	223.9	
222.5	226.6			medium	(grey-pinkish (K-feldspar)					wb	W	py	V	0.01	sulphide	<<1	1-2	55						
				grained	medium grained, equigranular					lim	W	cpy	V	0.01							6982994	223.9	225.2	~30% core loss
				granite	granite as described before.					chl	W	mol	V	0.01										
					several m wide, fresh					mtc	W										6982995	225.2	226.6	
					appearing subsections																			
					(mafics +- replaced by																			
					chlorite and magnetite)																			
					alternate with < m wide,																			
					discretely orange altered																			
					subsections, which bear																			
					carbonate, clay and limonite.																			
					locally several mm, variably																			
					orientated, +-(calcite) carbonate																			
					and limonite bearing veinlets																			
					amount to <1%.																			
					Very reminiscent to/same as																			
					"176.8-210.2".																			
					minor malachite coating																			
					on fractures.																			
(+)(pyrite, chalcopyrite,					From ~225 downwards 1 to 2/m																			
	molybdenite)				sulphide bearing hairlines																			
					@~55° to CA, subparallel																			
					to prominent orientation																			
					of fracturing.																			
					LC: Arbitrary chosen based																			
					on increasingly abundant																			
					sulphide bearing hairlines																6982996	226.6	227.45	
226.6	233.4			mineralised	Lithology of this interval					wb	m	py	diss	<0.3	sulphide	<<1	>5-<10	55			6982997	227.45	227.85	
				granite	is very reminiscent to					lim	m	cpy	diss	<0.3	quartz-sulphide	<4	<1-2	55	056	80				
					overlying interval i.e.					chl	W										6982998	227.85	228.8	
					material is a medium					mtc	W	py	V	<0.3										
					grained, equigranular granite							cpy	V	<0.3							6982999	228.8	229.5	
					as described before, minerali-							mol	V	<0.3							6983000	Standard		527 b
					sation bearing. Mineralisation																6981651	229.5	230.1	
					shows as mafic minerals																			
					(predominantly biotite)																6981652	230.1	230.7	
					partially replaced by																			

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Project:		Zone:		logged by:		Az:		Dip:		Length:

From	To	Rx code	rx code modifier	Rx Name	Description	Structure (interval/point) Type	CA	Strike	dip	Alteration Type	intensity	Mineralization mineral	mode of occ.	%	Veining type	thickness mm	no/m	CA	Strike	dip	Samples Sample no	From	To	Notes
					sulphides (pyrite, chalco-pyrite) in total amounting to <0.5%.																6981653	230.7	231.3	
					Particularly the less rusty orange altered, relatively																6981654	231.3	231.7	
					fresh appearing sub-sections display® healed																6981655	231.7	232.3	
® ~ <20/m					(~@ 55° to CA = partially orientated @ strike: 056°; dip 80°), sulphide bearing (chalcopyrite > pyrite > molybdenite) hairlines and rarely <4mm quartz sulphide veinlets. Vein hosted sulphides are esti-mated to amount to <0.5% in total. Locally weak malachite coatings on fractures, + very faint malachite wisps/halos associated with a.m. sulphide mineralisation. Rusty orange alteration from 227.85–230.1 and 232.2–233.4, associated with minor, variably orientated rusty orange veinlets as described before. LC: EOH																6981656	232.3	233.4	
N 227.45	227.85				Dark green grey vesicular, aphanitic, weakly magnetic presumably mafic intrusive/subvolcanic, + pale orange bleached/altered. Strongly–intensively fractured core. UC: sharp, distinct, broken core, ~60° to CA?																			

LC: sharp, distinct, underlain by 2cm reddish beige, clayey–coarse sandy, deformable gouge, @~60° to CA

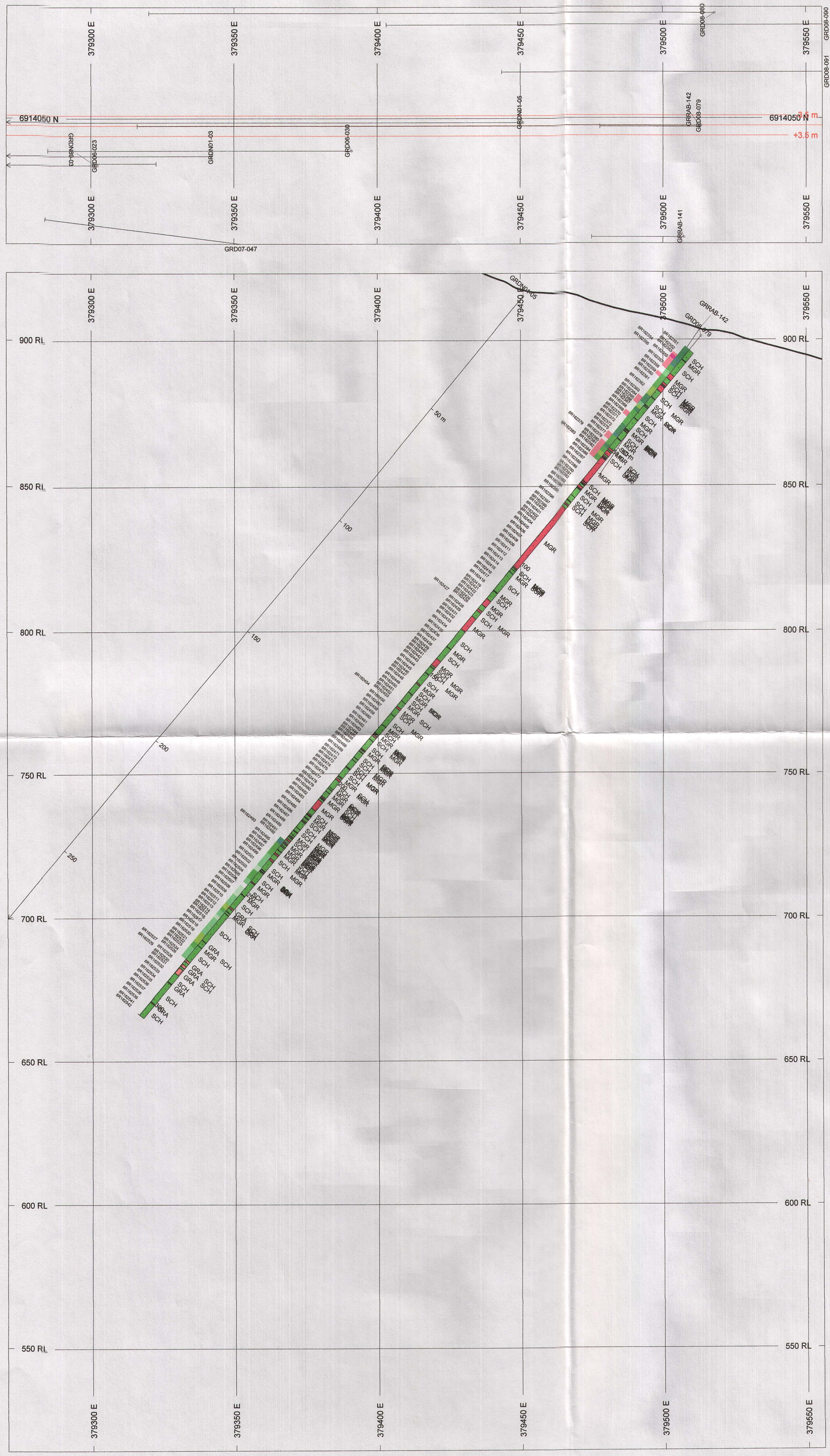
02.08.08 Geological log **Hole No:** 08 St-04 **p** 18 1

Project:		Zone:												logged by:				Az:			Dip:		Length:	
						Structure (interval/point)				Alteration		Mineralization			Veining						Samples			
From	To	Rx code	rx code modifier	Rx Name	Description	Type	CA	Strike	dip	Type	intensity	mineral	mode of occ.	%	type	thickness mm	no/m	CA	Strike	dip	Sample no	From	To	Notes
231.3	233.4			Fault zone	Moderately - intensively fractured core, locally grades to crumbly broken core (associated with strong - intense clay bearing alteration) and 3, < 1cm clayey - sandy, breccia bearing gouge seams, indicated by strongly clay - and carbonate bearing, discrete dk rusty orange halo from 232.3-233.4. UC: Increasing fracturing, no plane.																			
@ at 231.65-232.3																								
233.4					EOH																			

Geological log

Hole No: 08ST-04 p 1

Project:			Zone:										logged by:			Az:			Dip:		Length:		
						Structure (interval/point)				Alteration		Mineralization			Veining						Samples			
From	To	Rx code	rx code modifier	Rx Name	Description	Type	CA	Strike	dip	Type	intensity	mineral	mode of occ.	%	type	thickness mm	no/m	CA	Strike	dip	Sample no	From	To	Notes
95.48	110.50	MGGRAN		MG GRANITE Unit becomes medium grained granite giving it a speckled clear, pink, white, black colour. Texture is intrusive m.g. Mineralogy consists of qtz:																				



NORTHERN FREEGOLD RESOURCES LTD.

ROCK CODES	PAT	LABEL	DESCRIPTION
rock1_code		GRA	Granite
		MGR	Micorgranite
		SCH	Schist
		UNK	Unknown

NUMBER BANDS	L/R	COL	RANGE
Au_ppm	R		10
			5
			3
			1
			0.5
			0.1
			0.09

NUMBER BANDS	L/R	COL	RANGE
Cu_ppm	L		500
			200
			150
			100
			50
			30

POSTED TEXT	L/R	TEXT	ITEMS
rock1_code	R	-------	All

SECTION SPECS:

REF. PT. E, N	379413 m	6914048 m
EXTENTS	285.3 m	408.5 m
SECTION TOP, BOT	923.1 m	514.6 m
TOLERANCE +/-	3.5 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

*unknown

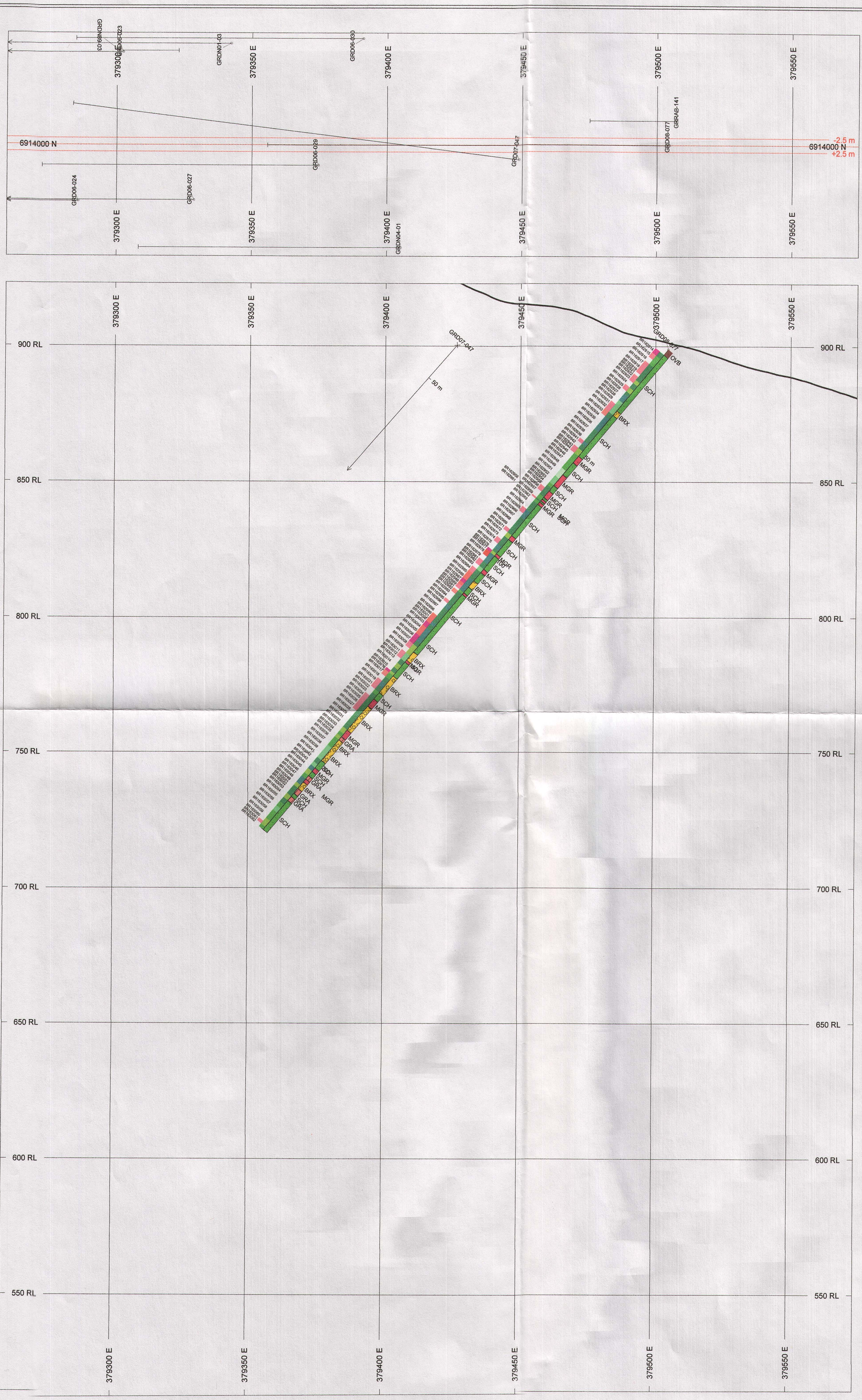
AZIMUTH = 90°

N W E S

Nucleus

Figure 7: GRD08-079

April 30, 2009



NORTHERN FREEGOLD RESOURCES LTD.

NUMBER BANDS	L/R	COL	RANGE
Au_ppm	L		10
			5
			3
			1
			0.5
			0.1
			0.09

NUMBER BANDS	L/R	COL	RANGE
Cu_ppm	L		500
			200
			150
			100
			50
			30

ROCK CODES	PAT	LABEL	DESCRIPTION
rock1_code		BRX	Breccia
		GRA	Granite
		MGR	Micorgranite
		OVB	Overburden
		SCH	Schist

POSTED TEXT	L/R	TEXT	ITEMS
rock1_code	R	------	All
SampleID	L	------	All

SECTION SPECS:

REF. PT. E, N	379417 m	6914000 m
EXTENTS	315.3 m	408.5 m
SECTION TOP, BOT	923.1 m	514.6 m
TOLERANCE +/-	2.5 m	

SCALE 1 : 1000

(m)

-5 0 5 10 15 20 25 30

*unknown

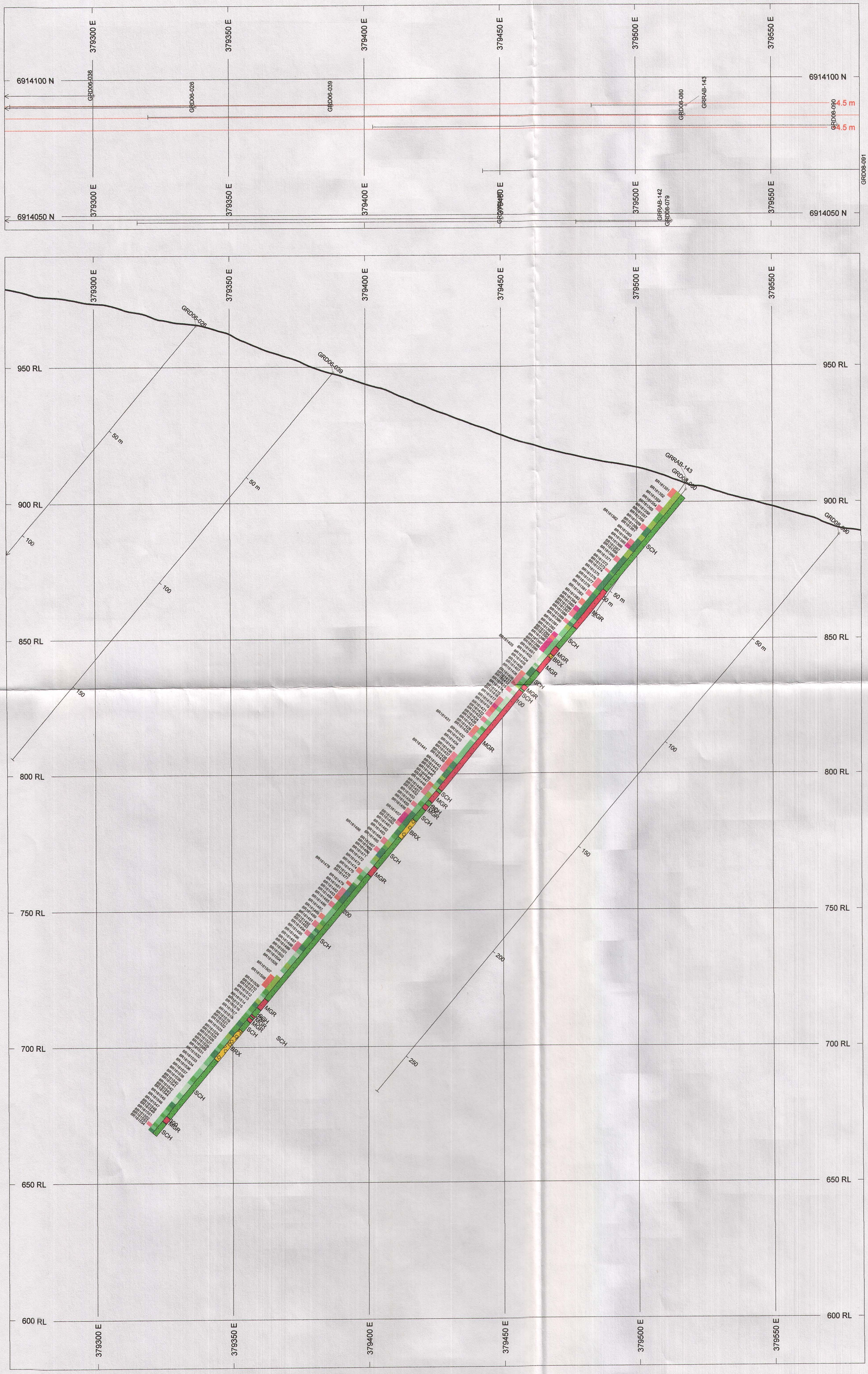
AZIMUTH = 90°

N W E S

Nucleus

Figure 6: GRD08-077

April 30, 2009



NORTHERN FREEGOLD RESOURCES LTD.

NUMBER BANDS	L/R	COL	RANGE
Au_ppm	R		10
			5
			3
			1
			0.5
			0.1
			0.09

NUMBER BANDS	L/R	COL	RANGE
Cu_ppm	L		500
			200
			150
			100
			50
			30

ROCK CODES	PAT	LABEL	DESCRIPTION
rock1_code		Breccia	Breccia
		Microgranite	Microgranite
		Schist	Schist

POSTED TEXT	L/R	R TEXT	ITEMS
rock1_code	R	------	All

SECTION SPECS:

REF. PT. E, N	379425 m	6914086 m
EXTENTS	315.3 m	408.5 m
SECTION TOP, BOT	990.9 m	582.4 m
TOLERANCE +/-	4.5 m	

SCALE 1 : 1000

(m)

-5 0 5 10 15 20 25 30

*unknown

AZIMUTH = 90°

N W E S

Nucleus

Figure 8: GRD08-080

April 30, 2009