2008 Drilling Assessment Report

on the

Tinta Hill Zone
Freegold Mountain Project

Freegold Mountain Area
NTS 115 I/7
Lat. 62°17'N, Long. 135°00'W
Whitehorse Mining District

095211

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

Report Prepared by:
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December 15, 2008

Assays and Updates Submitted May 22, 2009

Period of Work:
June 2nd, 2008 to June 13th, 2008

Rec'd by Whitehorse
mining Recorder
Jan-9, 2009.

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Summary

The Freegold Mountain Property is located in the Dawson Range, 61km (38mi) northwest of Carmacks, in the Territory of the Yukon Territory. Between June 3rd and August 10th, 2008 seventeen diamond drill holes were completed in the Tinta Hill Zone for a total 3891.16 m of drilling. This report covers the work done on three of those holes for which work has been filed for assessment. Diamond drill holes TH08-13, 14 and 15 were drilled as infill drilling to help better define the body of the main Tinta Vein in preparation for resource calculations.

Historical drilling had identified a 'pinch and swell' structure over a length of approximately 3,505 meters and which is still open at both ends. The average true width is 1.6 meters from historic drilling results while surface exposures run from a few inches to 1.8 meters with an average of 1.0 meters. Diamond drill holes TH08-13, 14, and 15 all intersected the main Tinta vein zone at more or less expected depths and angles for a steep dipping structure with a northeasterly trend. They show a variation in width both vertically and horizontally across the body and several offshooting, or subparallel vein structures that may also have potential for hosting significant mineralization.

Within the main Tinta Vein zone further infill drilling in areas of sparse and/or shallow drilling would assist in defining the three-dimensional ore body and checking modeling completed in the winter of 2008 and 2009. Re-mapping of trenches within the zone, for which most geological information is missing, would help define the surface expression and further constrain the model. Step-out drilling to the northwest and southeast to test the extent of the poly-metallic Tinta vein will expand and define the ore body. Outside of the main Tinta vein zone there is a still untested geophysical anomaly which may indicate a second zone of mineralization and or veining. Trenching or exploratory drilling would be recommended in order to determine the potential of this target.

Chapter 1 – Introduction

A. Introduction

Seventeen NTW sized diamond drill holes were completed by Kluane Drilling Ltd. on the Tinta Zone from June 3rd to August 10th, 2008. This report covers the work done on three of these holes: TH08-13, TH08-14, and TH08-15, the costs of which were filed for assessment.

Table 1: Drill Hole Work Dates

Drill Hole	Date Started	Date Completed
TH08-13	June 2, 2008	June 7, 2008
TH08-14	June 8, 2008	June 10, 2008
TH08-15	June 10, 2008	June 13, 2008

B. Location and Access

The property is located in the Dawson Range on NTS Map Sheet 115 I/6 centered approximately at UTM 394800E and 6904300N. The claims are accessible via the Freegold Road, a government maintained gravel road and 11 km of 4x4 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 Tinta is 65 kilometres (Figure 1).

C. Physiography, Climate, Vegetation

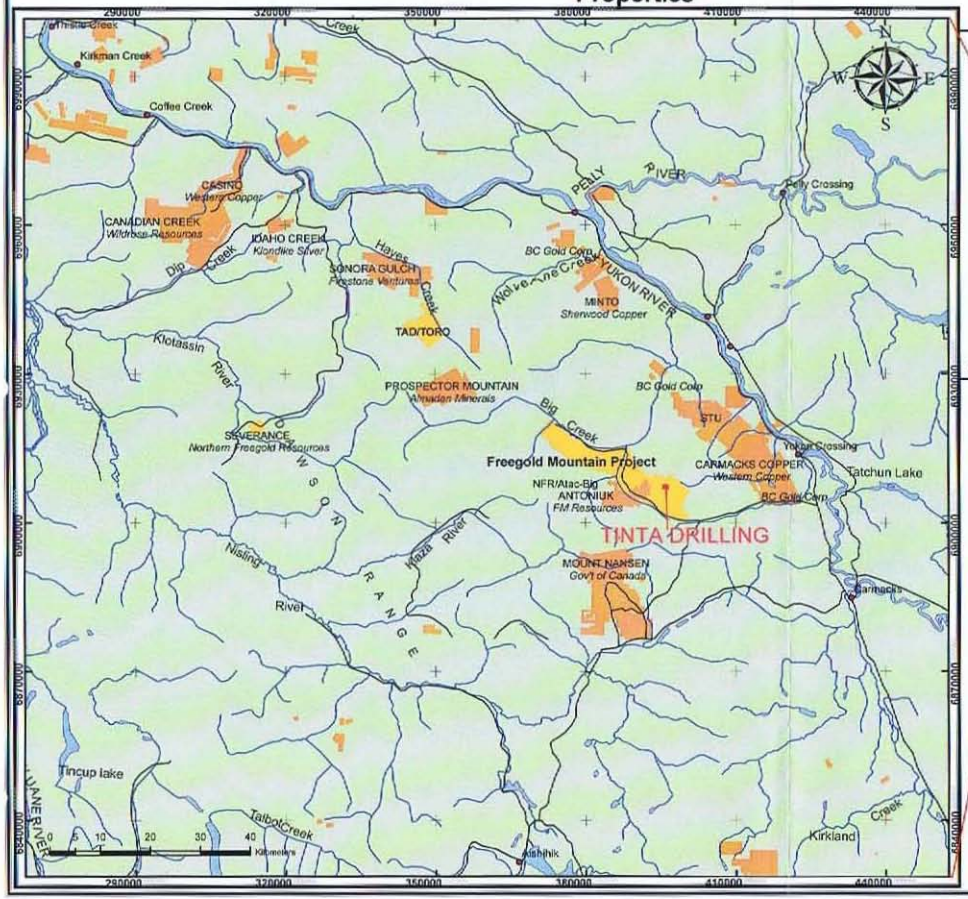
The project lies within the unglaciated Dawson Range in southwestern Yukon, characterized by rolling upland and mountain-valley terrain. Rock exposure is sparse except along ridge tops. Elevations range between 750 metres and 1500 metres above sea level. Alpine grass and moss, short willow brush and 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. Alder, poplar and thick moss cover is confined to flat areas with low drainage. Large areas of the properties were burned in the summer of 2004. Water is available most of the year from Seymour Creek and Big Creek and their tributaries.

Permafrost is generally found at depths greater than 1.0 m on south facing slopes and less than 0.1 m on north facing slopes. A volcanic ash layer, of varying thickness up to about 1 m, blankets 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: Location 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
- Water
- NFR qtz claims
- Non-NFR qtz claims
- Protected Areas
- Yukon Territory

D. Claims Worked and Filed On

Diamond drill holes TH08-13, 14 and 15 were drilled on claim Tinta 10 (YC18667) The drilling on the above claim was applied to the claims listed in Table 1 below:

Table 1: Claims work applied to

Grant #	Claim Name	Claim #	Expiry prior to Filing	$ work filed	Renewal Period Requested	New expiry Date*
YC65083	Dart	43	7-Jun-09	375.00	3.75	28-Feb-13
YC65084	Dart	44	7-Jun-09	375.00	3.75	28-Feb-13
YC65085	Dart	45	7-Jun-09	375.00	3.75	28-Feb-13
YC65086	Dart	46	7-Jun-09	375.00	3.75	28-Feb-13
YC18864	Hill	14	19-Sep-12	350.00	3.50	28-Feb-16
YC18865	Hill	16	19-Sep-12	350.00	3.50	28-Feb-16
YC18866	Hill	18	19-Sep-12	350.00	3.50	28-Feb-16
YC18867	Hill	20	19-Sep-12	350.00	3.50	28-Feb-16
YC18868	Hill	21	19-Sep-12	350.00	3.50	28-Feb-16
YC18869	Hill	22	19-Sep-12	350.00	3.50	28-Feb-16
YC18870	Hill	23	19-Sep-12	350.00	3.50	28-Feb-16
YC18871	Hill	24	19-Sep-12	350.00	3.50	28-Feb-16
YC18872	Hill	25	19-Sep-12	350.00	3.50	28-Feb-16
YC18873	Hill	26	19-Sep-12	350.00	3.50	28-Feb-16
YC18874	Hill	27	19-Sep-12	350.00	3.50	28-Feb-16
YC18875	Hill	28	19-Sep-12	350.00	3.50	28-Feb-16
YC18876	Hill	29	19-Sep-12	350.00	3.50	28-Feb-16
YC18877	Hill	30	19-Sep-12	350.00	3.50	28-Feb-16
YC18878	Hill	31	19-Sep-12	350.00	3.50	28-Feb-16
YC18879	Hill	32	19-Sep-12	350.00	3.50	28-Feb-16
YC18880	Hill	33	19-Sep-12	350.00	3.50	28-Feb-16
YC18881	Hill	34	19-Sep-12	350.00	3.50	28-Feb-16
YC18882	Hill	35	19-Sep-12	350.00	3.50	28-Feb-16
YC18883	Hill	36	19-Sep-12	350.00	3.50	28-Feb-16
YC18884	Hill	37	19-Sep-12	350.00	3.50	28-Feb-16
YC18885	Hill	38	19-Sep-12	350.00	3.50	28-Feb-16
YC18886	Hill	39	19-Sep-12	350.00	3.50	28-Feb-16
YC18887	Hill	40	19-Sep-12	350.00	3.50	28-Feb-16
YC18888	Hill	50	19-Sep-13	350.00	3.50	28-Feb-17
YC18889	Hill	52	19-Sep-12	350.00	3.50	28-Feb-16
YC18890	Hill	54	19-Sep-12	350.00	3.50	28-Feb-16
YC18891	Hill	56	19-Sep-13	350.00	3.50	28-Feb-17
YC19653	Tinta	1	13-Sep-14	350.00	3.50	28-Feb-18
YC19654	Tinta	2	13-Sep-14	350.00	3.50	28-Feb-18
YC18660	Tinta	3	28-Oct-12	350.00	3.50	28-Feb-16
YC18661	Tinta	4	28-Oct-12	350.00	3.50	28-Feb-16
YC18662	Tinta	5	28-Oct-12	350.00	3.50	28-Feb-16
YC18663	Tinta	6	28-Oct-12	350.00	3.50	28-Feb-16

Grant #	Claim Name	Claim #	Expiry prior to Filing	$ work filed	Renewal Period Requested	New expiry Date*
YC18664	Tinta	7	28-Oct-12	350.00	3.50	28-Feb-16
YC18665	Tinta	8	28-Oct-12	350.00	3.50	28-Feb-16
YC18666	Tinta	9	28-Oct-12	350.00	3.50	28-Feb-16
YC18667	Tinta	10	28-Oct-12	350.00	3.50	28-Feb-16
YC37127	Tinta	11	26-Nov-12	350.00	3.50	28-Feb-16
YC37128	Tinta	12	26-Nov-12	350.00	3.50	28-Feb-16
YC47311	Tinta	14	20-Jul-12	375.00	3.75	28-Feb-16
YC47312	Tinta	15	20-Jul-12	375.00	3.75	28-Feb-16
YC47313	Tinta	16	20-Jul-12	375.00	3.75	28-Feb-16
YC47314	Tinta	17	20-Jul-12	375.00	3.75	28-Feb-16
YC47315	Tinta	19	20-Jul-12	375.00	3.75	28-Feb-16
YC47316	Tinta	20	20-Jul-12	375.00	3.75	28-Feb-16
YC47317	Tinta	21	20-Jul-12	375.00	3.75	28-Feb-16
YC47318	Tinta	22	20-Jul-12	375.00	3.75	28-Feb-16
YC47319	Tinta	23	20-Jul-12	375.00	3.75	28-Feb-16
YC47320	Tinta	24	20-Jul-12	375.00	3.75	28-Feb-16
YC47321	Tinta	25	20-Jul-12	375.00	3.75	28-Feb-16
YC47322	Tinta	26	20-Jul-12	375.00	3.75	28-Feb-16
YC47323	Tinta	27	20-Jul-12	375.00	3.75	28-Feb-16
YC47324	Tinta	28	20-Jul-12	375.00	3.75	28-Feb-16
YC47325	Tinta	29	20-Jul-12	375.00	3.75	28-Feb-16
YC47326	Tinta	30	20-Jul-12	375.00	3.75	28-Feb-16
YC47327	Tinta	31	20-Jul-12	375.00	3.75	28-Feb-16
YC47328	Tinta	32	20-Jul-12	375.00	3.75	28-Feb-16
YC47329	Tinta	33	20-Jul-12	375.00	3.75	28-Feb-16
YC47330	Tinta	34	20-Jul-12	375.00	3.75	28-Feb-16
YC47331	Tinta	35	20-Jul-12	375.00	3.75	28-Feb-16
YC47332	Tinta	36	20-Jul-12	375.00	3.75	28-Feb-16
YC47333	Tinta	37	20-Jul-12	375.00	3.75	28-Feb-16
YC47334	Tinta	38	20-Jul-12	375.00	3.75	28-Feb-16
YC47335	Tinta	39	20-Jul-12	375.00	3.75	28-Feb-16
YC47336	Tinta	40	20-Jul-12	375.00	3.75	28-Feb-16
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YC47342	Tinta	46	20-Jul-12	375.00	3.75	28-Feb-16
YC47343	Tinta	47	20-Jul-12	375.00	3.75	28-Feb-16
YC47344	Tinta	48	20-Jul-12	375.00	3.75	28-Feb-16
YC47345	Tinta	49	20-Jul-12	375.00	3.75	28-Feb-16
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YC47347	Tinta	51	20-Jul-12	375.00	3.75	28-Feb-16
YC47348	Tinta	52	20-Jul-12	375.00	3.75	28-Feb-16
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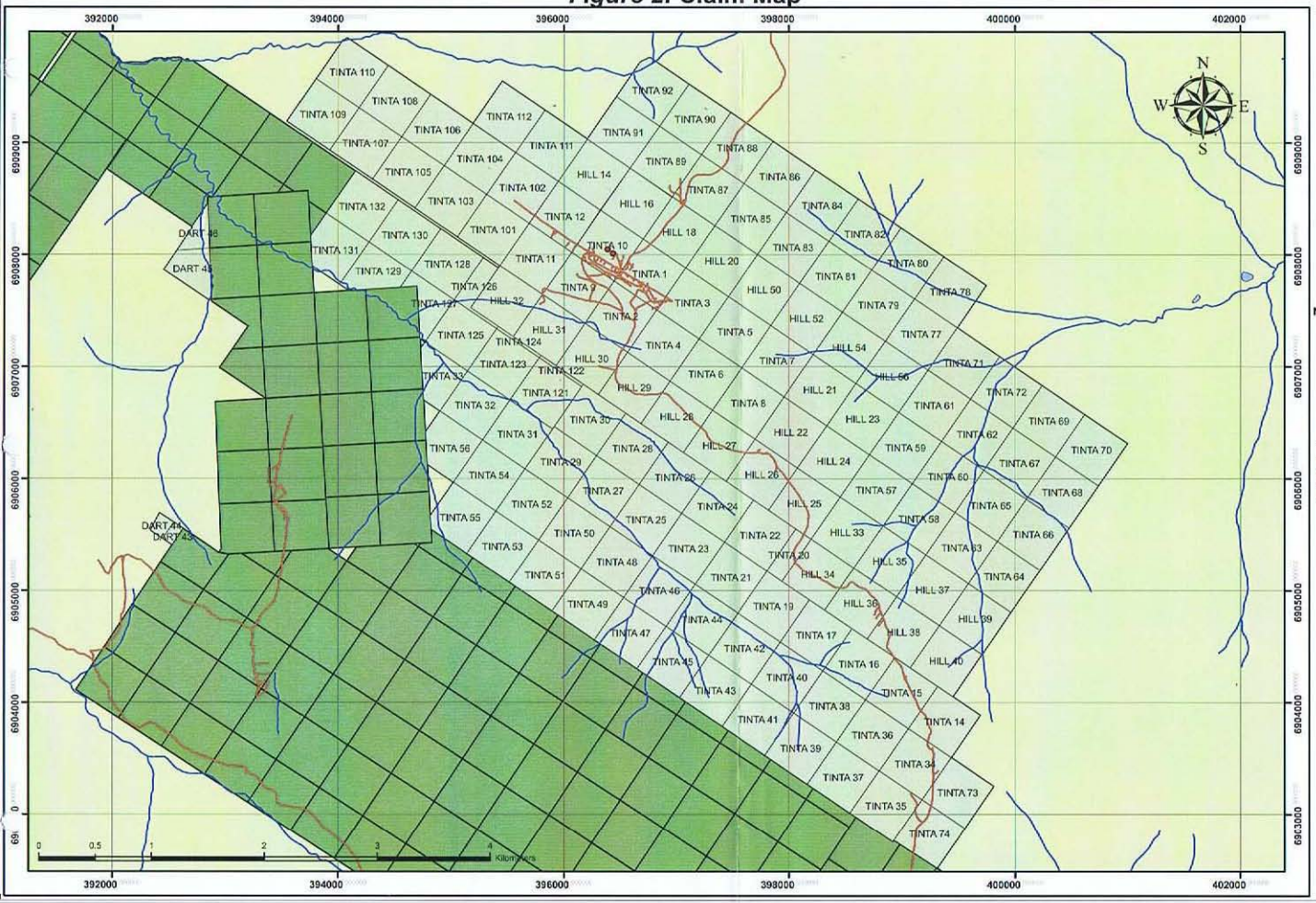
Grant #	Claim Name	Claim #	Expiry prior to Filing	$ work filed	Renewal Period Requested	New expiry Date*
YC47351	Tinta	55	20-Jul-12	375.00	3.75	28-Feb-16
YC47352	Tinta	56	20-Jul-12	375.00	3.75	28-Feb-16
YC47353	Tinta	57	20-Jul-12	375.00	3.75	28-Feb-16
YC47354	Tinta	58	20-Jul-12	375.00	3.75	28-Feb-16
YC47355	Tinta	59	20-Jul-12	375.00	3.75	28-Feb-16
YC47356	Tinta	60	20-Jul-12	375.00	3.75	28-Feb-16
YC47357	Tinta	61	20-Jul-12	375.00	3.75	28-Feb-16
YC47358	Tinta	62	20-Jul-12	375.00	3.75	28-Feb-16
YC47359	Tinta	63	20-Jul-12	375.00	3.75	28-Feb-16
YC47360	Tinta	64	20-Jul-12	375.00	3.75	28-Feb-16
YC47361	Tinta	65	20-Jul-12	375.00	3.75	28-Feb-16
YC47362	Tinta	66	20-Jul-12	375.00	3.75	28-Feb-16
YC47363	Tinta	67	20-Jul-12	375.00	3.75	28-Feb-16
YC47364	Tinta	68	20-Jul-12	375.00	3.75	28-Feb-16
YC47365	Tinta	69	20-Jul-12	375.00	3.75	28-Feb-16
YC47366	Tinta	70	20-Jul-12	375.00	3.75	28-Feb-16
YC47367	Tinta	71	20-Jul-12	375.00	3.75	28-Feb-16
YC47368	Tinta	72	20-Jul-12	375.00	3.75	28-Feb-16
YC65081	Tinta	73	7-Jun-13	375.00	3.75	28-Feb-17
YC65082	Tinta	74	7-Jun-13	375.00	3.75	28-Feb-17
YC47369	Tinta	77	20-Jul-12	375.00	3.75	28-Feb-16
YC47370	Tinta	78	20-Jul-12	375.00	3.75	28-Feb-16
YC47371	Tinta	79	20-Jul-12	375.00	3.75	28-Feb-16
YC47372	Tinta	80	20-Jul-12	375.00	3.75	28-Feb-16
YC47373	Tinta	81	20-Jul-12	375.00	3.75	28-Feb-16
YC47374	Tinta	82	20-Jul-12	375.00	3.75	28-Feb-16
YC47375	Tinta	83	20-Jul-12	375.00	3.75	28-Feb-16
YC47376	Tinta	84	20-Jul-12	375.00	3.75	28-Feb-16
YC47377	Tinta	85	20-Jul-12	375.00	3.75	28-Feb-16
YC47378	Tinta	86	20-Jul-12	375.00	3.75	28-Feb-16
YC47379	Tinta	87	20-Jul-12	375.00	3.75	28-Feb-16
YC47380	Tinta	88	20-Jul-12	375.00	3.75	28-Feb-16
YC47381	Tinta	89	20-Jul-12	375.00	3.75	28-Feb-16
YC47382	Tinta	90	20-Jul-12	375.00	3.75	28-Feb-16
YC47383	Tinta	91	20-Jul-12	375.00	3.75	28-Feb-16
YC47384	Tinta	92	20-Jul-12	375.00	3.75	28-Feb-16
YC37129	Tinta	101	26-Nov-12	350.00	3.50	28-Feb-16
YC37130	Tinta	102	26-Nov-12	350.00	3.50	28-Feb-16
YC37131	Tinta	103	26-Nov-13	350.00	3.50	28-Feb-17
YC37132	Tinta	104	26-Nov-13	350.00	3.50	28-Feb-17
YC41392	Tinta	105	28-Feb-12	400.00	4.00	28-Feb-16
YC41393	Tinta	106	28-Feb-12	400.00	4.00	28-Feb-16
YC41394	Tinta	107	28-Feb-12	400.00	4.00	28-Feb-16
YC41395	Tinta	108	28-Feb-12	400.00	4.00	28-Feb-16
YC41396	Tinta	109	28-Feb-12	400.00	4.00	28-Feb-16
YC41397	Tinta	110	28-Feb-12	400.00	4.00	28-Feb-16

Grant #	Claim Name	Claim #	Expiry prior to Filing	$ work filed	Renewal Period Requested	New expiry Date*
YC47385	Tinta	111	20-Jul-12	375.00	3.75	28-Feb-16
YC47386	Tinta	112	20-Jul-12	375.00	3.75	28-Feb-16
YC41398	Tinta	121	28-Feb-12	400.00	4.00	28-Feb-16
YC41399	Tinta	122	28-Feb-12	400.00	4.00	28-Feb-16
YC41400	Tinta	123	28-Feb-12	400.00	4.00	28-Feb-16
YC46501	Tinta	124	28-Feb-12	400.00	4.00	28-Feb-16
YC46502	Tinta	125	28-Feb-12	400.00	4.00	28-Feb-16
YC46503	Tinta	126	28-Feb-12	400.00	4.00	28-Feb-16
YC46504	Tinta	127	28-Feb-12	400.00	4.00	28-Feb-16
YC46505	Tinta	128	28-Feb-12	400.00	4.00	28-Feb-16
YC46506	Tinta	129	28-Feb-12	400.00	4.00	28-Feb-16
YC46507	Tinta	130	28-Feb-12	400.00	4.00	28-Feb-16
YC46508	Tinta	131	28-Feb-12	400.00	4.00	28-Feb-16
YC46509	Tinta	132	28-Feb-12	400.00	4.00	28-Feb-16

*pending approval of this filing

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

Figure 2: Claim Map



Chapter 2 – Regional and Property Geology

The Tinta Hill lies within a belt of Paleozoic or older metamorphic basement rocks of the Yukon Tanana Terrane (YTT) intruded by successively younger Jurassic to Creataceous 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 Middle 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 (Mortensen et al. 2003). 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 Middle 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.

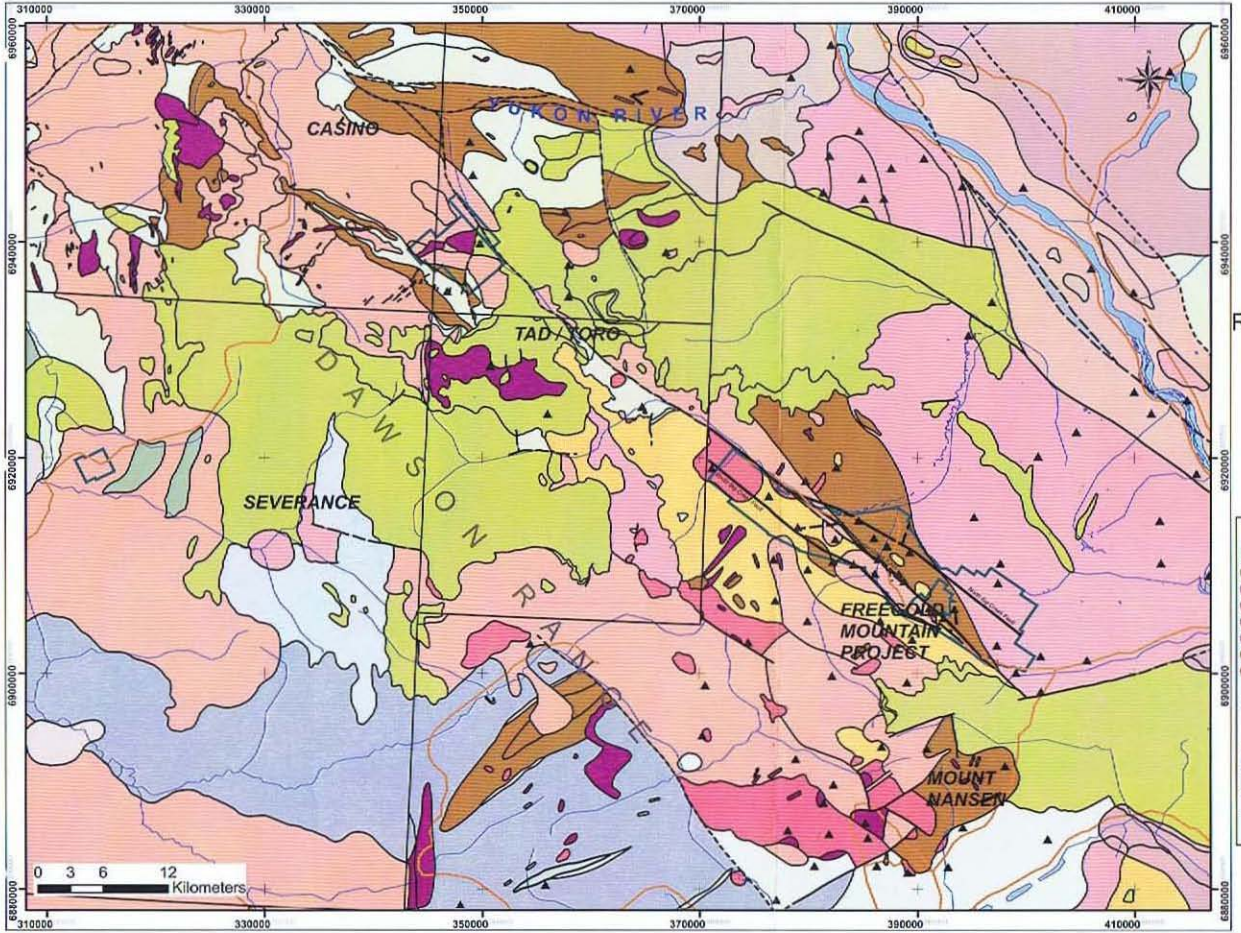


Figure 3:
Regional Geology

NORTHERN FREEGOLD RESOURCES LTD.

UTM Zone 8 NAD 83
Prepared: December 2, 2008

Legend

Geology
- CARMACKS GROUP
- PORPHYRITIC DYKES AND SILLS
- MT. NANSEN GROUP
- DAWSON RANGE BATHOLITH
- GRANITE BATHOLITH
- BIG CREEK SYENITE
- PELLY GNEISS

Features
- Mineral Occurences
- Roads
- Waterways
- Freegold Project
- Fault - defined
- Fault - approximate

Property Geology

The Tinta Hill property is comprised of two primary phases of a quartz-diorite/granodiorite intrusive. The first is a medium to dark grey, equigranular quartz-diorite/granodiorite and the second is a light to medium grey, medium grained potassium-feldspar porphyritic quartz-diorite/granodiorite. Local chloritization of the mafics is common in both phases of the intrusion, as are quartz-feldspar veins and veinlets.

A co-magmatic, dark green, fine grained diorite intrusive occurs as bands and zones within the main quartz-diorite/granodiorite. Some of these are zones where the mafic content increases from 10 to 15 percent to approximately 75 to 85 percent and others appear to be more like an actual dyke with a completely mafic content.

Both phases of the intrusive show intense pale green sericitization and bleaching (white) argillic alteration in the vicinity of the main vein shear zone. Alteration decreases away from the veins. Areas immediately adjacent to mineralized zones also show moderate to strong hematization (calcite-hematite veinlets, fractures and flooding) sometimes displaying moderate chloritization (with minor epidote) and zones of strong potassium-feldspar flooding.

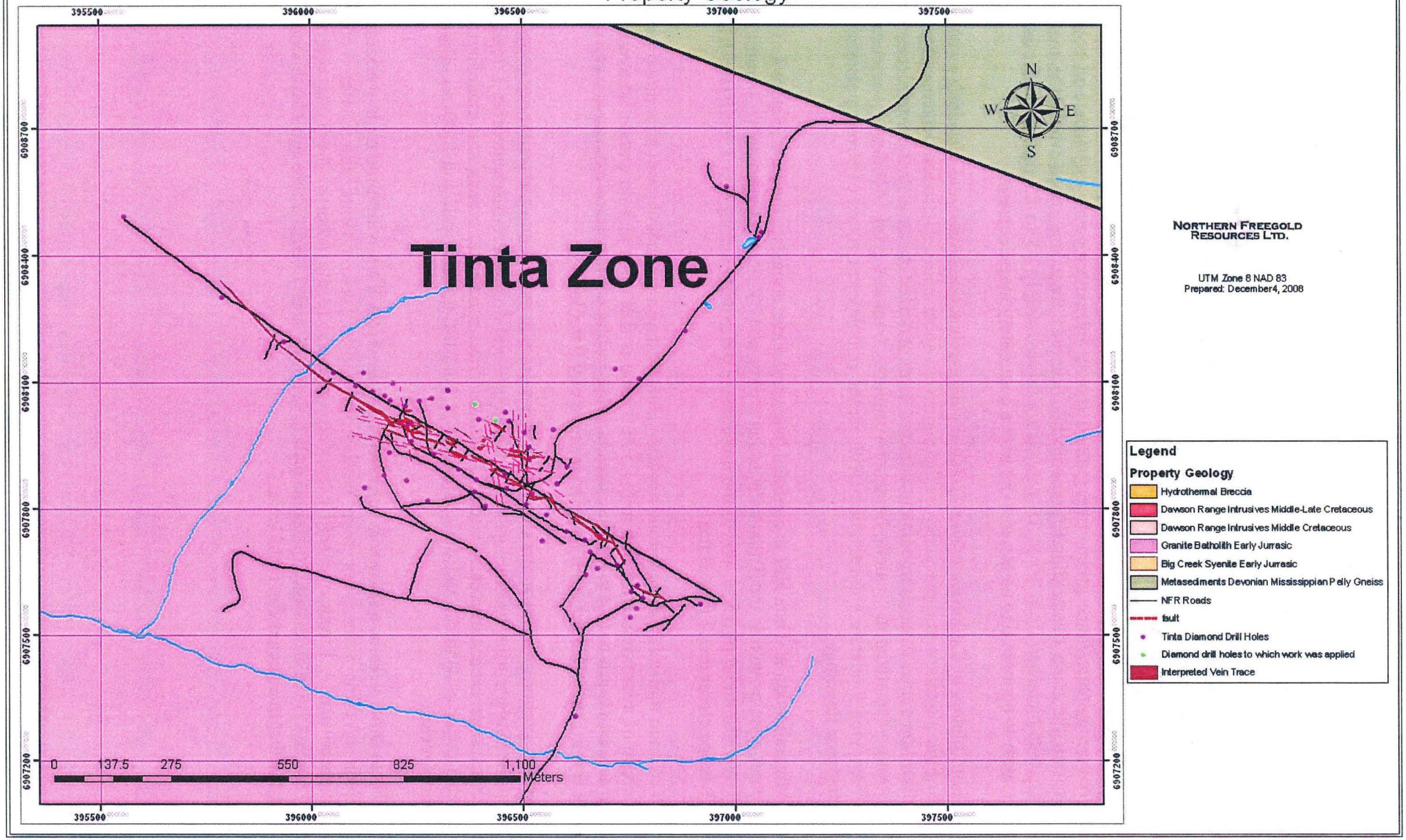
Mineralization at Tinta Hill is confined to several shear zones, as shown in Figure 4. The main zone or vein is the Tinta Vein which strikes at 120° across the southern summit of Tinta Hill and dips 75° to 85° to the northeast. True widths are up to 3.3 m (10.0 ft) but average closer to 1.2 m (4.0 ft).

The main mineralized shear zone has been identified as a pinch and swell structure over a length of approximately 3,506 m (11,500 ft) and is still open at both ends. The average true width is 1.6 m (5.4 ft) from historic drilling results while surface exposures run from a few inches to 1.8 m (6.0 ft) with an average of 0.9 m (3.0 ft).

Quartz carbonate veins in the shear zone and those that extend into the wall rocks contain auriferous pyrite, sphalerite, galena, chalcopyrite and argentiferous tetrahedrite. Locally, veins have been completely altered to clay. Pyrite, sphalerite, galena and chalcopyrite also occur as veinlets and disseminations in both the hangingwall and footwall altered host rocks.

Three other veins are known to intersect the main Tinta Vein within the mine workings. Each of these veins have been labeled the Silver Tusk, Panther and Exeter Veins respectively. A fourth, the Mill City Vein, is found to the north of the Tinta vein in Trench 15 and in historic diamond drill holes 74-8 and 74-8A. There are two historic adits that intersected the Tinta Vein.

Figure 4:
Property Geology



Chapter 3 - 2008 Diamond Drill Program

Tinta Hill Zone

Between June 3rd and August 10th, 2008 seventeen diamond drill holes were completed in the Tinta Hill Zone for a total 3891.16 m.

The drilling contractor was Kluane Drilling Ltd. of Whitehorse. A D-7 bulldozer sub-contracted from Spur-of-the Moment Rentals. Whitehorse, was used to build drill sites and to move the drill between holes. There was no casing left intact following the 2008 drilling season. Holes were drilled using NTW (thin wall) rods and there is little or no use of drill muds or other additives.

The collar co-ordinates of the holes used for this assessment are as listed in table 3 and the collar locations are as shown in Figure 5.

Table 3: Tinta Hill 2008 Drilling

HOLE No.	EASTING (m)	NORTHING (m)	ELEV (m)	DEPTH	AZIMUTH	DIP
TH08-13	396388	6908050	1205	222.50	212	-50
TH08-14	396388	6908050	1205	233.20	212	-60
TH08-15	396436	6908012	1210	199.64	212	-50

Sampling and Assaying Protocol

The drill core from all holes were cleaned, photographed and measured. Recoveries and RQD were determined. The core was logged and marked for sampling by sawing or splitting. Core recovery averaged approximately 93% for hole 13, 95% for hole 14, and 94% for hole 15. Sample intervals averaged 0.67m (Hole 13), 0.96m (Hole 14), and 1.1m (Hole 15) and sample selections and intervals were based on mineralization, alteration and lithological contacts. Samples from each hole were then split with one half of the core being sent for analysis and the other half returned to the core box. Core sample duplicates are made by sawing two samples of quarter core so that half of the core remains in the core box. The core boxes are stored in core racks at the Bow Camp.

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 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 and as such is deemed adequate for testing in matters of possible contamination.

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Drill Hole Summaries

TH08-13

As with most of the Tinta holes, TH08-13 primarily pierces a two phase quartz-diorite/granodiorite body – the first phase contains relatively abundant euhedral to subhedral K-feldspar phenocrysts while the second phase is equigranular. Apart from these differences mineral proportions are very similar in both phases, with possibly slightly higher K-feldspar within the porphyritic phase. These phases alternate at irregular intervals and it is unclear if the difference is due to variation across the larger body or a function of different pulses of magma.

Intruding this quartz-diorite/granodiorite at 34.2 m to 38.2 m and 55.0 m to 57.9 m are dioritic intrusions that are more mafic-rich and have a much lower proportion of K-feldspar than the quartz-diorite/granodiorite. Most of the quartz-diorite/granodiorite seen in the hole is relatively fresh. From 106.05 to 163.9 m, however, the quartz-diorite/granodiorite is significantly more altered. These altered sections characteristically with higher clay content, chlorite alteration of the mafics and accompanied by many small veinlets with chlorite, sericite and hematite. This alteration appears to be the pre-cursor or halo around the mineralization. Its occurrence without evidence of veining is rare.

Oxidation continues downhole from 0 m to approximately 80 m. The first fresh sulphides are seen within a thin vein cutting altered monzonite at approximately 81.2m. The majority of the quartz-diorite/granodiorite is barren with sulphide bearing veinlets only becoming significant near vein zones from 106.05 m to 150m, and 157m to 200m. Sulphide mineralization consists primarily of pyrite, sphalerite and galena often in association with hematite.

The main Tinta Vein intersection in this hole occurs between 163.9 m and 172.8 m with minor splays, offshoots, or different sub-parallel veins occurring at 108.5 m to 108.58m and 149.95 m to 150.58 m. Both of these offshoots are spatially associated with faulting and brecciating textures.

In general, the mineralized zones in TH08-13 are associated with increased gold, silver, lead and zinc values, but copper does not appear to follow this trend. The exception occurs between 108.47 and 108.67 m probably due to the presence of chalcopyrite and possibly linked to the high silver value in this interval (124.0 g/t).

Table 4. Significant Intersections TH08-13

Hole #	Azimuth (degrees)	Dip (degrees)	From (m)	To (m)	Interval (m)	Au (g/t)	Ag (g/t)	Cu %	Pb %	Zn %
TH08-13	215.8	-50	108.47	108.67	0.20	0.74	124.00	0.41	0.20	0.45
TH08-13			149.95	150.58	0.63	0.10	12.75	0.07	0.23	0.75
TH08-13			164.60	170.00	5.40	0.18	4.53	0.02	0.19	0.52

including			168.60	169.00	0.40	0.80	13.20	0.07	0.67	1.67

A cross section through drill hole TH08-13 showing drilling and interpretation is shown in Figure 6. The drill logs and assay certificates for holes TH08-13, 14, and 15 are found in Appendix 1.

TH08-14

Drill Hole TH08-14 intersects a quartz-diorite/granodiorite body with two distinct zones– the first zone contains relatively abundant euhedral to subhedral K-feldspar phenocrysts while the second is equigranular. The two zones show very similar mineral proportions but the phenocrystic quartz-diorite/granodiorite seems to show slightly higher proportions of K-feldspar and slightly lower proportions of mafic minerals such as biotite. These zones alternate at irregular intervals. The porphyritic zone is subordinate to the equigranular zone and occurs primarily in the middle of the hole between 94 m and 106 m.

The rock is cut by a significant fault zone near the top of the hole between 3.4 and 6.1 m with minor faulting including healed or re-cemented fault zones observed throughout the hole. Between 96 m and 105.7 m a coarse-grained granitic intrusive containing rare phenocrysts cuts the quartz-diorite/granodiorite. This intrusive contains a greater abundance of plagioclase than surrounding monzonites and may be correlatable to the diorite intrusions see in hole TH08-13.

Oxidation is dominant until approximately 70 m occurring almost exclusively at fracture surfaces in localized zones below this depth. The first fresh sulphides are seen at 69.5m only becoming significant in concentration from 192 m to 194 m, and 200 m to 218 m near and surrounding the main vein intersection.

Hole TH08-14 intersected the main Tinta vein from 204.2 m to 212.4 m. and was surrounded by a zone of relatively pervasive alteration from 185.8 m to 224 m. This zone was characterized by clay and sericite alteration of both mafic and felsic minerals, and minor chlorite alteration of mafics along with hematite staining and alteration. The rest of the hole showed relatively fresh quartz-diorite/granodiorite with minor zones of alteration, similar to that surrounding the main Tinta vein, between 58 and 59 m, 66 and 71 m, 79 and 87.8 m, and 126 and 148 m. These minor zones of alteration often showed higher clay content than seen surrounding the main Tinta vein. Sulphide mineralization consists primarily of pyrite, galena, and sphalerite hosted in veinlets cutting altered quartz-diorite/granodiorite.

Table 5. Significant Intersections TH08-14

Hole #	Azimuth (degrees)	Dip (degrees)	From (m)	To (m)	Interval (m)	Au (g/t)	Ag (g/t)	Cu %	Pb %	Zn %
TH08-14	215.8	-60	207.40	212.10	4.70	0.42	9.26	0.04	0.38	0.49
including			207.40	208.60	1.20	1.46	28.53	0.11	0.90	0.61

A cross section through drill hole TH08-14 showing drilling and interpretation is shown in Figure 6.

TH08-15

Drill Hole TH08-15 primarily intersects a two phase quartz-diorite/granodiorite body – the first phase contains relatively abundant euhedral to subhedral K-feldspar phenocrysts while the second phase is equigranular. These phases alternate irregularly with the porphyritic phase almost absent near the top but becoming the dominant phase below 90.9 m.

Two main fault zones were observed near the top of the hole between 4.6 m and 12.7 m, and 49.5 m and 56.0 m. Throughout the hole less prominent fault zones, both healed and unhealed are evident at various intervals. Unlike in previously described holes there are no evident intervals of an intruding granitic phase with higher proportions of plagioclase and mafics such as the diorite from TH08-13 and the granite from TH08-14.

Oxidation is present until 12.5 m and between 78 and 79 m but is otherwise found exclusively at fractures. The first fresh sulphides are found at 13.2 m. The main Tinta Vein is intersected between 135.8 m to 141.6 m. There are also several minor intersections with mineralized vein material between 13.2 m to 18.5 m, 70.1 m to 77.8 m, and 81.9 m to 86.1 m. Whether these intersections are offshoots from the main vein or separate subparallel structures is, as of yet unclear. Sulphide mineralization is dominated by pyrite, galena and sphalerite.

Veining is surrounded by the same sericite, clay, chlorite alteration and associated hematite as observed in the other holes. These alteration zones are seen from 11.5 m to 87.2 m, 119 m to 150 m and 156.4 m to 161.3 m. The rest of the quartz-diorite/granodiorite is relatively fresh with minor weak alteration scattered through the rest of the core.

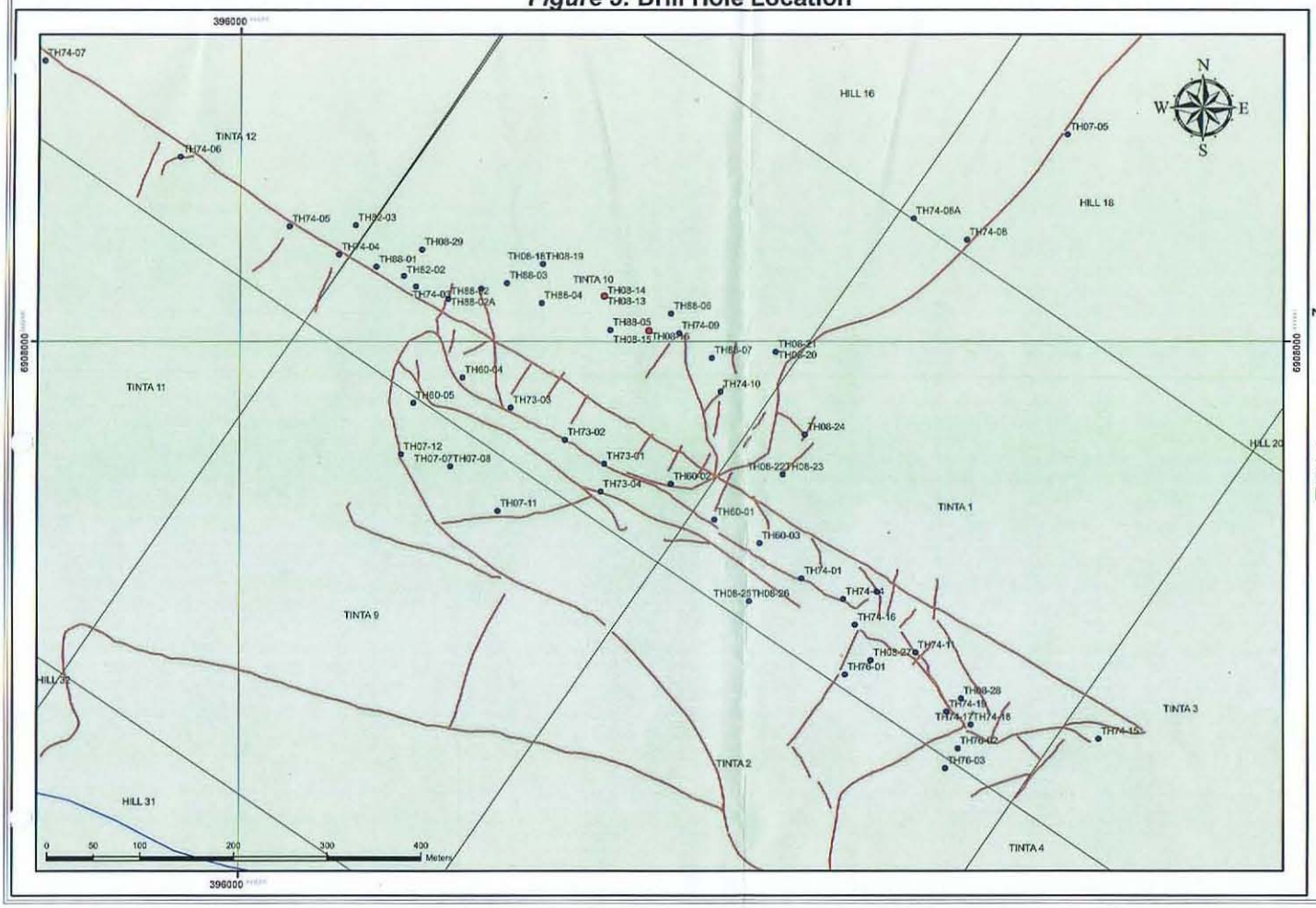
As in TH08-13, mineralized zones are associated with increased gold, silver, lead and zinc values. Copper values also seem to follow this trend, but only in the interval from 13.2 to 14.6 m. Increased levels of copper in this interval coincide with massive chalcopyrite and seem to follow increased silver levels, denoting a possible positive correlation between the two elements.

Table 6. Significant Intersections TH08-15

Hole #	Azimuth (degrees)	Dip (degrees)	From (m)	To (m)	Interval (m)	Au (g/t)	Ag (g/t)	Cu %	Pb %	Zn %
TH08-15	215.8	-50	13.20	14.60	1.40	1.13	57.70	0.40	1.61	2.84
TH08-15			74.00	75.00	1.00	0.27	17.60	0.02	0.77	2.47
TH08-15			137.40	141.50	4.10	0.83	22.51	0.08	0.62	1.20

A cross section through drill hole TH08-15 showing drilling and interpretation is shown in Figure 7.

Figure 5: Drill Hole Location



NORTHERN FREEGOLD RESOURCES LTD.

UTM Zone 8 NAD 83
Prepared November 14, 2008

Legend

- Drill holes to which work is being ap
- Tinta Diamond Drill Holes
- Water
- Roads
- Quartz Claims Work Applied To
- NFR qtz claims

Chapter 4 - Conclusions and Recommendations

Between June 3rd and August 10th, 2008 seventeen diamond drill holes were completed in the Tinta Hill Zone for a total 3891.16 m three of which were filed for assessment. Most of the drilling was infill drilling used to better define the vein and prepare for three-dimensional modeling and a resource calculation.

Historical drilling had identified a 'pinch and swell' structure over a length of approximately 3,505 meters and which is still open at both ends. The average true width is 1.6 meters from historic drilling results while surface exposures run from a few inches to 1.8 meters with an average of 1.0 meters. Diamond drill holes TH08-13, 14, and 15 all intersected the main Tinta vein zone at more or less expected depths and angles for a steep dipping structure with a northeasterly trend. They show a variation in width both vertically and horizontally across the body and several offshooting, or subparallel vein structures that may also have potential for hosting significant mineralization.

Within the main Tinta Vein zone further infill drilling in areas of sparse and/or shallow drilling would assist in defining the three-dimensional ore body and checking modeling completed in the winter of 2008 and 2009. Re-mapping of trenches within the zone, for which most geological information is missing, would help define the surface expression and further constrain the model. Step-out drilling to the northwest and southeast to test the extent of the poly-metallic Tinta vein will expand and define the ore body. Outside of the main Tinta vein zone there is a still untested geophysical anomaly which may indicate a second zone of mineralization and or veining. Trenching or exploratory drilling would be recommended in order to determine the potential of this target.

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Certificate

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

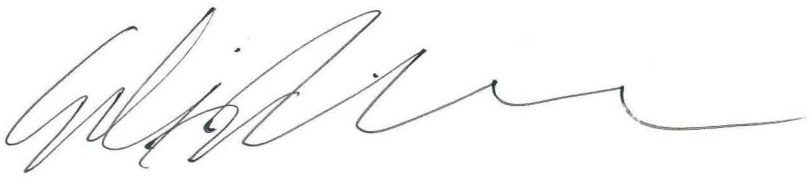
1. That I am a geologist and that I worked at the property from June to August in 2006, May to August in 2007, and May to October in 2008.

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

3. That I have been 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, B.Sc.

Statement of Costs

Drill hole	Depth (m)	Total
TH08-13	237.74	$40,172.27
TH08-14	235.00	$29,297.65
TH08-15	325.00	$26,752.35
		$96,222.27

Kluane Drilling Ltd.
14 MacDonald Rd., Whitehorse, Yukon Y1A 4L2
Tel: (867) 633-4800 Fax: (867) 633-3641
kluanedrilling@nothwestel.net

CLIENT:	**BUSHMASTER EXPLORATION**
CONT #	**NFR 003**
RIG #	**KD-3**
HOLE #	**TH08-13**
FROM:	**2-Jun-2008**
TO:	**7-Jun-2008**
METERS DRILLED	**307.85**
COST OF HOLE	**$40,172.27**

CASING AND DRILLING CHARGEABLES

SIZE	METERS	DEPTH FROM	TO	METERS DRILLED	RATE P/M	TOTAL (CAD)
NW	**3.05**	0	30	3.05	119.00	**362.71**
NTW	**304.80**	300	500	4.80	126.00	**604.80**
TOTAL CASING AND DRILLING CHARGEABLES						**36,667.51**

HOURLY CHARGEABLES

DESCRIPTION	TOTAL SHOTS	TOTAL HOURS	RATE P/H	TOTAL (IN CAD)
MOVING		8.00	100.00	**800.00**
REAMING		1.00	136.00	**136.00**
STABILIZATION		3.00	136.00	**408.00**
WATER SUPLY		12.00	100.00	**1,200.00**
STAND-BY DUE TO CLIENT		0.00	136.00	**0.00**
TRAVEL OVER 1.0 HR/SH		6.00	100.00	**600.00**
TOTAL HOURLY CHARGEABLES				**3,144.00**

CONSUMABLES, EQUIPMENT AND OTHER SUPLIES

DESCRIPTION	QTY.	UNIT PRICE (CAD)	TOTAL (IN CAD)
ROD GREASE (17KG)	1	84.60	**84.60**
555X Polymer (West Coast)	1	144.50	**144.50**
LINSEED SOAP (23KG)	1	84.60	**84.60**
PLUS 15%			**47.06**
TOTAL CONSUMABLES, EQUIPMENT AND OTHER SUPLIES			**360.76**

SUMMARY OF CHARGEABLES

CASING AND DRILLING CHARGEABLES	**36,667.51**
HOURLY CHARGEABLES	**3,144.00**
CONSUMABLES, EQUIPMENT AND OTHER SUPLIES	**360.76**
OTHER CHARGEABLES	**0.00**
TOTAL BEFORE TAXES	**40,172.27**

Kluane Drilling Ltd.
14 MacDonald Rd., Whitehorse, Yukon Y1A 4L2
Tel: (867) 633-4800 Fax: (867) 633-3641
kluanedrilling@nothwestel.net

CLIENT:	**BUSHMASTER EXPLORATION**
CONT #	**NFR 003**
RIG #	**KD-3**
HOLE #	**TH08-14**
FROM:	**8-Jun-2008**
TO:	**10-Jun-2008**
METERS DRILLED	**233.78**
COST OF HOLE	**$29,297.65**

CASING AND DRILLING CHARGEABLES

SIZE	METERS	DEPTH FROM	TO	METERS DRILLED	RATE P/M	TOTAL (CAD)
NW	**3.66**	0	30	3.66	119.00	**435.25**
NTW	**230.12**	0	300	230.12	119.00	**27,384.76**
TOTAL CASING AND DRILLING CHARGEABLES						**27,820.01**

HOURLY CHARGEABLES

DESCRIPTION	TOTAL SHOTS	TOTAL HOURS	RATE P/H	TOTAL (IN CAD)
MOVING		3.00	100.00	**300.00**
STABILIZATION		3.50	136.00	**476.00**
TESTING		2.00	136.00	**272.00**
TOTAL HOURLY CHARGEABLES				**1,048.00**

CONSUMABLES, EQUIPMENT AND OTHER SUPLIES

DESCRIPTION	QTY.	UNIT PRICE (CAD)	TOTAL (IN CAD)
555X Polymer (West Coast)	2	144.50	**289.00**
LINSEED SOAP (23KG)	1	84.60	**84.60**
PLUS 15%			**56.04**
TOTAL CONSUMABLES, EQUIPMENT AND OTHER SUPLIES			**429.64**

SUMMARY OF CHARGEABLES

CASING AND DRILLING CHARGEABLES	**27,820.01**
HOURLY CHARGEABLES	**1,048.00**
CONSUMABLES, EQUIPMENT AND OTHER SUPLIES	**429.64**
OTHER CHARGEABLES	**0.00**
TOTAL BEFORE TAXES	**29,297.65**

Kluane Drilling Ltd.
14 MacDonald Rd., Whitehorse, Yukon Y1A 4L2
Tel: (867) 633-4800 Fax: (867) 633-3641
kluanedrilling@nothwestel.net

CLIENT:	**BUSHMASTER EXPLORATION**
CONT #	**KD-3**
RIG #	**0**
HOLE #	**THO-15**
FROM:	**10-Jun-2008**
TO:	**3-Jun-2008**
METERS DRILLED	**205.74**
COST OF HOLE	**$26,752.35**

CASING AND DRILLING CHARGEABLES

SIZE	METERS	DEPTH FROM	TO	METERS DRILLED	RATE P/M	TOTAL (CAD)
NW	**6.10**	0	30	6.10	119.00	**725.42**
NTW	**199.64**	300	500	0.00	126.00	**0.00**
TOTAL CASING AND DRILLING CHARGEABLES						**24,483.06**

HOURLY CHARGEABLES

DESCRIPTION	TOTAL SHOTS	TOTAL HOURS	RATE P/H	TOTAL (IN CAD)
MOVING		2.00	100.00	**200.00**
REAMING		3.50	136.00	**476.00**
STABILIZATION		11.00	136.00	**1,496.00**
TOTAL HOURLY CHARGEABLES				**2,172.00**

CONSUMABLES, EQUIPMENT AND OTHER SUPLIES

DESCRIPTION	QTY.	UNIT PRICE (CAD)	TOTAL (IN CAD)
ROD GREASE (17KG)	2		**84.60**
PLUS 15%			**12.69**
TOTAL CONSUMABLES, EQUIPMENT AND OTHER SUPLIES			**97.29**

SUMMARY OF CHARGEABLES

CASING AND DRILLING CHARGEABLES	**24,483.06**
HOURLY CHARGEABLES	**2,172.00**
CONSUMABLES, EQUIPMENT AND OTHER SUPLIES	**97.29**
OTHER CHARGEABLES	**0.00**
TOTAL BEFORE TAXES	**26,752.35**

Appendix 1

Drill Logs and Assay Certificates for Holes TH08-13, 14 and 15

TINTA BATCH SAMPLE SHEET 2008TIN0001A

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
	TH08-13	164.60	165.6	1.00	8R154242					21-Jun-08	N	Core	Ecotech	cut
	TH08-13	165.6	167.7	2.10	8R154243					21-Jun-08	N	Core	Ecotech	cut
3	TH08-13				8R154244	Standard CDN-HLHZ	CDN-HLHZ	Standard		21-Jun-08	N	Core	Ecotech	cut
4	TH08-13	167.7	168.6	0.90	8R154245					21-Jun-08	N	Core	Ecotech	cut
5	TH08-13				8R154246	Blank		Blank		21-Jun-08	N	Core	Ecotech	cut
6	TH08-13	168.6	169.0	0.40	8R154247	Vein				21-Jun-08	N	Core	Ecotech	cut
7	TH08-13	169.0	170.0	1.00	8R154248					21-Jun-08	N	Core	Ecotech	cut

TINTA BATCH SAMPLE SHEET 2008TIN001B														
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	TH08-13	105.09	106.05	0.96	8R153601	Rel Fresh Qtz Diorite (QM)					N	Core	EcoTech	Cut
2	TH08-13	106.05	106.55	0.50	8R153602	Ser/Clay Alt QM					N	Core	EcoTech	Cut
3	TH08-13	106.55	107.09	0.54	8R153603	Hem/Clay/Ser/Chl Alt QM					N	Core	EcoTech	Cut
4	TH08-13	107.09	107.82	0.73	8R153604	Clay/Ser Alt QM					N	Core	EcoTech	Cut
5	TH08-13	107.82	108.18	0.36	8R153605	Hem/Clay/Ser/Chl Alt QM w/ Dissem Py					N	Core	EcoTech	Cut
6	TH08-13	108.18	108.47	0.29	8R153606	Hem/Clay/Ser/Chl Alt QM w/Sx Veinlets					N	Core	EcoTech	Cut
7	TH08-13				8R153607	STD High	CDN-HC-2	Standard			N	Core	EcoTech	Cut
8	TH08-13				8R153608	Blank		Blank			N	Core	EcoTech	Cut
9	TH08-13	108.47	108.67	0.20	8R153609	Vein- Cpy, Py, Gal, Sph, Banded/Brx					N	Core	EcoTech	Cut
10	TH08-13				8R153610	Blank		Blank			N	Core	EcoTech	Cut
11	TH08-13	108.67	109.30	0.63	8R153611	Ser, Clay Alt QM w/ Dissem Py					N	Core	EcoTech	Cut
12	TH08-13	109.30	109.87	0.57	8R153612	Ser, Clay Alt QM w/ Dissem Py					N	Core	EcoTech	Cut
13	TH08-13	109.87	110.11	0.24	8R153613	Ser, Clay Alt QM w/ Dissem Py					N	Core	EcoTech	Cut
14	TH08-13	110.11	110.70	0.59	8R153614	Ser, Clay Alt QM w/ Dissem Py					N	Core	EcoTech	Cut
15	TH08-13	110.70	111.32	0.62	8R153615	Ser, Clay Alt QM w/ Dissem Py					N	Core	EcoTech	Cut
16	TH08-13	111.32	111.92	0.60	8R153616	Ser, Clay Alt QM w/ Dissem Py					N	Core	EcoTech	Cut
17	TH08-13	111.92	112.60	0.68	8R153617	Ser, Clay Alt QM w/ Dissem Py					N	Core	EcoTech	Cut
18	TH08-13	112.60	113.45	0.85	8R153618	Ser, Clay Alt QM w/ Dissem Py					N	Core	EcoTech	Cut
19	TH08-13	113.45	114.00	0.55	8R153619	Ser, Clay Alt QM w/Dissem Py & Sphal, Py, Gal Veinlet					N	Core	EcoTech	Cut
20	TH08-13				8R153620	Blank		Blank			N	Core	EcoTech	Cut
21	TH08-13	114.00	114.32	0.32	8R153621	Vein Zone - Gal, Sph, Py					N	Core	EcoTech	Cut
22	TH08-13	114.32	114.97	0.65	8R153622	Clay Alt QM w/ Ser Veinlets					N	Core	EcoTech	Cut
	TH08-13	114.97	115.49	0.52	8R153623	Hem Stained QM					N	Core	EcoTech	Cut
	TH08-13	115.49	116.40	0.91	8R153624	Duplicated Rel Fresh QM					N	Core	EcoTech	Cut
25	TH08-13	115.49	116.40	0.91	8R153625	Duplicate of 8R153624	8R153624	Duplicate			N	Core	EcoTech	Cut
26	TH08-13				8R153626	STD Low - Oreas 52Pb	Oreas 52Pb	Standard			N	Core	EcoTech	Cut
27	TH08-13	142.60	143.26	0.66	8R153627	QM					N	Core	EcoTech	Cut
28	TH08-13	143.26	144.00	0.74	8R153628	Alt QM					N	Core	EcoTech	Cut
29	TH08-13	144.00	144.43	0.43	8R153629	Alt QM					N	Core	EcoTech	Cut
30	TH08-13	144.43	145.20	0.77	8R153630	Alt QM					N	Core	EcoTech	Cut
31	TH08-13	145.20	146.00	0.80	8R153631	Alt QM					N	Core	EcoTech	Cut
32	TH08-13	146.00	146.37	0.37	8R153632	Alt QM					N	Core	EcoTech	Cut
33	TH08-13	146.37	146.96	0.59	8R153633	Alt QM					N	Core	EcoTech	Cut
34	TH08-13	146.96	147.58	0.62	8R153634	Arg Alt QM					N	Core	EcoTech	Cut
35	TH08-13	147.58	147.91	0.33	8R153635	Arg Alt QM					N	Core	EcoTech	Cut
36	TH08-13	147.91	148.35	0.44	8R153636	QM Hem Alt					N	Core	EcoTech	Cut
37	TH08-13	148.35	149.00	0.65	8R153637	Alt QM					N	Core	EcoTech	Cut
38	TH08-13	149.00	149.30	0.30	8R153638	Ser, Hem Alt QM					N	Core	EcoTech	Cut
39	TH08-13				8R153639	STD High CDN-HC-2	CDN-HC-2	Standard			N	Core	EcoTech	Cut
40	TH08-13				8R153640	Blank		Blank			N	Core	EcoTech	Cut
41	TH08-13	149.30	149.95	0.65	8R153641	Arg Alt QM					N	Core	EcoTech	Cut
42	TH08-13	149.95	150.28	0.33	8R153642	Vein Zone (Sph, Cpy, Py) in Alt QM					N	Core	EcoTech	Cut
43	TH08-13	150.28	150.58	0.30	8R153643	Vein (Py, Gal) Fault					N	Core	EcoTech	Cut
44	TH08-13				8R153644	Blank		Blank			N	Core	EcoTech	Cut
45	TH08-13	150.58	151.42	0.84	8R153645	Ser + Arg Alt QM					N	Core	EcoTech	Cut
46	TH08-13	151.42	151.95	0.53	8R153646	Chl + Hem Alt QM					N	Core	EcoTech	Cut
47	TH08-13	151.95	152.73	0.78	8R153647	Chl Alt QM					N	Core	EcoTech	Cut
48	TH08-13	152.73	153.53	0.80	8R153648	Weakly Hem Alt QM					N	Core	EcoTech	Cut
49	TH08-13	153.53	153.92	0.39	8R153649	Weakly chl and Hem Alt and Ser Alt QM					N	Core	EcoTech	Cut
50	TH08-13	153.92	154.32	0.40	8R153650	Chl Ser Alt QM					N	Core	EcoTech	Cut

TINTA BATCH SAMPLE SHEET 2008TIN001C														
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	TH08-13	154.32	155.45	1.13	8R153651	Hem QM Brx Duplicated				08-Aug-08	N	Core	EcoTech	Cut
2	TH08-13	155.45	156.06	0.61	8R153652	Hem QM Brx				08-Aug-08	N	Core	EcoTech	Cut
3	TH08-13	156.06	157.46	1.40	8R153653	Ser Alt QM Brx				08-Aug-08	N	Core	EcoTech	Cut
4	TH08-13	157.46	158.79	1.33	8R153654	Hem QM Brx				08-Aug-08	N	Core	EcoTech	Cut
5	TH08-13	158.79	159.10	0.31	8R153655	F.G. Ser Alt QM				08-Aug-08	N	Core	EcoTech	Cut
6	TH08-13	159.10	159.54	0.44	8R153656	Chl / Hem QM Brx				08-Aug-08	N	Core	EcoTech	Cut
7	TH08-13	159.54	160.12	0.58	8R153657	K-Spar Rich Ser Alt QM				08-Aug-08	N	Core	EcoTech	Cut
8	TH08-13				8R153658	STD Low	Oreas 52Pb	Standard		08-Aug-08	N	Core	EcoTech	Cut
9	TH08-13	160.12	160.67	0.55	8R153659	K-Spar Rich Ser Alt QM + Qtz Veinlets				08-Aug-08	N	Core	EcoTech	Cut
10	TH08-13	160.67	161.03	0.36	8R153660	Qtz Vein Zone - Sph, Py, Gal				08-Aug-08	N	Core	EcoTech	Cut
11	TH08-13				8R153661	Blank		Blank		08-Aug-08	N	Core	EcoTech	Cut
12	TH08-13	161.03	161.94	0.91	8R153662	K-Spar Rich Ser Alt QM + Qtz Veinlets				08-Aug-08	N	Core	EcoTech	Cut
13	TH08-13	161.94	162.79	0.85	8R153663	K-Spar Rich Ser Alt QM + Qtz Veinlets				08-Aug-08	N	Core	EcoTech	Cut
14	TH08-13	162.79	163.32	0.53	8R153664	Ser and Chl Alt QM + Qtz Veinlets				08-Aug-08	N	Core	EcoTech	Cut
15	TH08-13	154.32	155.45	1.13	8R153665	Duplicate of 8R153651	8R153651	Duplicate		08-Aug-08	N	Core	EcoTech	Cut
16	TH08-13	163.32	164.59	1.27	8R153666	Alt QM w/ Ser and Clay Veinlets				08-Aug-08	N	Core	EcoTech	Cut
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TINTA BATCH SAMPLE SHEET 2008TIN0002A

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
						Note: Original Batch Sheet is with in the Vein Log. Sampled mean while logging Vein.								
1	TH08-14	205.7	207.4	1.70	8R154202					21-Jun-08	N	Core	Ecotech	cut
2	TH08-14				8R154203	Standard CDH HLHZ	CDH HLHZ	Standard		21-Jun-08	N	Core	Ecotech	cut
3	TH08-14				8R154204	Blank		Blank		21-Jun-08	N	Core	Ecotech	cut
4	TH08-14	207.4	208.2	0.80	8R154205	HW Tinta Vein				21-Jun-08	N	Core	Ecotech	cut
5	TH08-14	208.2	208.6	0.40	8R154206					21-Jun-08	N	Core	Ecotech	cut
6	TH08-14				8R154207	Blank		Blank		21-Jun-08	N	Core	Ecotech	cut
7	TH08-14	208.6	210.0	1.40	8R154208					21-Jun-08	N	Core	Ecotech	cut
8	TH08-14	210.0	211.0	1.00	8R154209					21-Jun-08	N	Core	Ecotech	cut
9	TH08-14	211.0	212.1	1.10	8R154210					21-Jun-08	N	Core	Ecotech	cut
10	TH08-14				8R154211	Blank		Blank		21-Jun-08	N	Core	Ecotech	cut
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TINTA BATCH SAMPLE SHEET 2008TIN002B														
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	TH08-14	68.93	69.93	1.00	8R153667	Ser/ arg alt'n intensifying downhole				20-Aug-08	N	CORE	EcoTech	CUT
2	TH08-14	69.93	70.12	0.19	8R153668	5cm qtz-sx vein				20-Aug-08	N	CORE	EcoTech	CUT
3	TH08-14	70.12	71.12	1.00	8R153669	Strong alt'n decreasing downhole				20-Aug-08	N	CORE	EcoTech	CUT
4	TH08-14	130.94	131.98	1.04	8R153670	Wk hem alt'd QM/ chlorite stringer zone				20-Aug-08	N	CORE	EcoTech	CUT
5	TH08-14	131.98	132.48	0.50	8R153671	Clay/ brown clay alt'd QM w/py + qtz splotches				20-Aug-08	N	CORE	EcoTech	CUT
6	TH08-14				8R153672	Low Standard Oreas 52 Pb	Oreas 52 Pb	Standard		20-Aug-08	N	CORE	EcoTech	CUT
7	TH08-14				8R153673	Blank		Blank		20-Aug-08	N	CORE	EcoTech	CUT
8	TH08-14	132.48	132.70	0.22	8R153674	Breccia/ qtz-gal-py vein				20-Aug-08	N	CORE	EcoTech	CUT
9	TH08-14	132.70	133.77	1.07	8R153675	Clay/ ser alt'd QM				20-Aug-08	N	CORE	EcoTech	CUT
10	TH08-14	133.77	134.77	1.00	8R153676	Clay/ ser alt'd QM fading downhole				20-Aug-08	N	CORE	EcoTech	CUT
11	TH08-14	187.38	188.86	1.48	8R153677	Chl/ hem alt'd QM				20-Aug-08	N	CORE	EcoTech	CUT
12	TH08-14	188.86	190.42	1.56	8R153678	Arg/ ser alt'd QM with qtz veins				20-Aug-08	N	CORE	EcoTech	CUT
13	TH08-14	190.42	192.05	1.63	8R153679	Arg/ ser/ chl alt'd qm				20-Aug-08	N	CORE	EcoTech	CUT
14	TH08-14				8R153680	Standard CDN HC-2				20-Aug-08	N	CORE	EcoTech	CUT
15	TH08-14				8R153681	Blank		Blank		20-Aug-08	N	CORE	EcoTech	CUT
16	TH08-14	192.05	192.97	0.92	8R153682	Chl/ ser alt'd WM with py-sphal-gal vnlts throughout				20-Aug-08	N	CORE	EcoTech	CUT
17	TH08-14	192.97	193.44	0.47	8R153683	Qtz-sx vein				20-Aug-08	N	CORE	EcoTech	CUT
18	TH08-14	193.44	193.66	0.22	8R153684	Chl/ clay alt'd QM with sx				20-Aug-08	N	CORE	EcoTech	CUT
19	TH08-14				8R153685	Blank		Blank		20-Aug-08	N	CORE	EcoTech	CUT
20	TH08-14	193.66	194.66	1.00	8R153686	Clay/ ser alt'd QM				20-Aug-08	N	CORE	EcoTech	CUT
21	TH08-14	194.66	196.16	1.50	8R153687	Hem alt'd QM with abundant chl stringers				20-Aug-08	N	CORE	EcoTech	CUT
22	TH08-14	196.16	197.66	1.50	8R153688	Hem alt'd QM with abundant chl stringers				20-Aug-08	N	CORE	EcoTech	CUT
23	TH08-14	197.66	199.16	1.50	8R153689	Hem alt'd QM with abundant chl stringers				20-Aug-08	N	CORE	EcoTech	CUT
24	TH08-14	199.16	200.16	1.00	8R153690	Hem alt'd QM with abundant chl stringers				20-Aug-08	N	CORE	EcoTech	CUT
25	TH08-14	200.16	200.96	0.80	8R153691	Silica-rich wk hem alt'd QM				20-Aug-08	N	CORE	EcoTech	CUT
26	TH08-14	200.96	201.26	0.30	8R153692	Silica-rich wk hem alt'd QM with qtz-sx vein				20-Aug-08	N	CORE	EcoTech	CUT
27	TH08-14	201.26	202.26	1.00	8R153693	Silica-rich wk hem alt'd QM				20-Aug-08	N	CORE	EcoTech	CUT
28	TH08-14	202.26	203.26	1.00	8R153694	Silica-rich wk hem alt'd QM				20-Aug-08	N	CORE	EcoTech	CUT
29	TH08-14	203.26	204.06	0.80	8R153695	Arg/ chl alt'd QM with several qtz-sx veins				20-Aug-08	N	CORE	EcoTech	CUT
30	TH08-14				8R153696	Blank		Blank		20-Aug-08	N	CORE	EcoTech	CUT
31	TH08-14	204.06	204.38	0.32	8R153697	Arg/ chl alt'd QM with several Qtz-sx veins				20-Aug-08	N	CORE	EcoTech	CUT
32	TH08-14	204.38	205.70	1.32	8R153698	Hem alt'd qm with abundant chl stringers				20-Aug-08	N	CORE	EcoTech	CUT
33	TH08-14	212.10	212.60	0.50	8R153699	Arg/ chl alt'd QM with sx veins				20-Aug-08	N	CORE	EcoTech	CUT
34	TH08-14				8R153700	Blank		Blank		20-Aug-08	N	CORE	EcoTech	CUT
35	TH08-14	201.26	202.26	1.00	8R155101	Duplicate of sample 8R153693	8R153693	Duplicate		20-Aug-08	N	CORE	EcoTech	CUT

TINTA BATCH SAMPLE SHEET 2008TIN002C

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	TH08-14	212.60	213.60	1.00	8R155102	Arg/ chl alt'd QM				20-Aug-08	N	Core	Eco Tech	cut
2	TH08-14	213.60	214.84	1.24	8R155103	Arg/ chl alt'd QM				20-Aug-08	N	Core	Eco Tech	cut
3	TH08-14	214.84	215.84	1.00	8R155104	Arg/ chl alt'd QM w/ sx vein				20-Aug-08	N	Core	Eco Tech	cut
4	TH08-14				8R155105	Standard CDN HC-2	CDN HC-2	Standard		20-Aug-08	N	Core	Eco Tech	cut
5	TH08-14				8R155106	Blank		Blank		20-Aug-08	N	Core	Eco Tech	cut
6	TH08-14	215.84	216.54	0.70	8R155107	Arg/ chl/ alt'd QM				20-Aug-08	N	Core	Eco Tech	cut
7	TH08-14	216.54	217.14	0.60	8R155108	Arg/ chl/ alt'd QM w/ sx veins				20-Aug-08	N	Core	Eco Tech	cut
8	TH08-14	217.14	217.74	0.60	8R155109	Arg/ chl/ alt'd QM w/ ~3cm sx vein				20-Aug-08	N	Core	Eco Tech	cut
9	TH08-14				8R155110	Blank		Blank		20-Aug-08	N	Core	Eco Tech	cut
10	TH08-14	217.74	218.80	1.06	8R155111	Hem/ arg/ ser alt'd QM				20-Aug-08	N	Core	Eco Tech	cut
11	TH08-14	218.80	219.80	1.00	8R155112	Hem/ arg/ ser alt'd QM				20-Aug-08	N	Core	Eco Tech	cut
12	TH08-14	219.80	220.80	1.00	8R155113	Hem/ arg/ ser alt'd QM				20-Aug-08	N	Core	Eco Tech	cut
13	TH08-14	220.80	221.50	0.70	8R155114	Qtz sx vein followed BRX				20-Aug-08	N	Core	Eco Tech	cut
14	TH08-14				8R155115	Blank		Blank		20-Aug-08	N	Core	Eco Tech	cut
	TH08-14	221.50	223.00	1.50	8R155116	Arg/ chl alt'n fading downhole.				20-Aug-08	N	Core	Eco Tech	cut
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TINTA BATCH SAMPLE SHEET 2008TIN003B														
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	TH08-15	11.50	12.80	1.30	8R154712	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	SPLITCORE
2	TH08-15	18.70	20.00	1.30	8R154713	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
3	TH08-15	20.00	21.50	1.50	8R154714	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
4	TH08-15	21.50	23.00	1.50	8R154715	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
5	TH08-15	23.00	24.50	1.50	8R154716	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
6	TH08-15	24.50	26.00	1.50	8R154717	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
7	TH08-15	26.00	27.50	1.50	8R154718	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
8	TH08-15	27.50	28.98	1.48	8R154719	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
9	TH08-15	28.98	30.00	1.02	8R154720	QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
10	TH08-15	44.30	45.30	1.00	8R154721	Qm				24-Aug-08	N	CORE	Eco Tech	CUTCORE
11	TH08-15	45.30	46.51	1.21	8R154722	Qm, ser, clay w/ sx veinlet				24-Aug-08	N	CORE	Eco Tech	CUTCORE
12	TH08-15	46.51	46.86	0.35	8R154723	Qm				24-Aug-08	N	CORE	Eco Tech	CUTCORE
13	TH08-15				8R154724	Standard Oreas 52 Pb	Oreas 52 Pb	Standard		24-Aug-08	N	CORE	Eco Tech	CUTCORE
14	TH08-15				8R154725	Blank		Blank		24-Aug-08	N	CORE	Eco Tech	CUTCORE
15	TH08-15	46.86	47.68	0.82	8R154726	QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
16	TH08-15	47.68	48.67	0.99	8R154727	QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
17	TH08-15	77.5	79.25	1.75	8R154728	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
18	TH08-15	79.25	79.65	0.40	8R154729	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
19	TH08-15	79.65	80.9	1.25	8R154730	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
20	TH08-15	80.9	81.9	1.00	8R154731	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
21	TH08-15	85.75	87.15	1.40	8R154732	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
22	TH08-15	116.86	118	1.14	8R154733	banded QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
23	TH08-15	118	119.14	1.14	8R154734	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
24	TH08-15	119.14	120.34	1.20	8R154735	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
25	TH08-15	120.34	121.8	1.46	8R154736	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
26	TH08-15	121.8	122.65	0.85	8R154737	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
27	TH08-15	80.9	81.9	1.00	8R154738	Duplicate of 8R154731	8R154731	Duplicate		24-Aug-08	N	CORE	Eco Tech	CUTCORE
28	TH08-15	122.65	124.4	1.75	8R154739	Alt QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
29	TH08-15	124.4	125.3	0.90	8R154740	Alt QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
30	TH08-15	125.3	126	0.70	8R154741	Alt QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
31	TH08-15	126	127.15	1.15	8R154742	Alt QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
32	TH08-15	127.15	127.65	0.50	8R154743	alt Qm w/ vein				24-Aug-08	N	CORE	Eco Tech	CUTCORE
33	TH08-15			0.00	8R154744	Standard Oreas 52 Pb	Oreas 52 Pb	Standard		24-Aug-08	N	CORE	Eco Tech	CUTCORE
34	TH08-15			0.00	8R154745	Blank		Blank		24-Aug-08	N	CORE	Eco Tech	CUTCORE
35	TH08-15	127.65	128.7	1.05	8R154746	Qm				24-Aug-08	N	CORE	Eco Tech	CUTCORE

TINTA BATCH SAMPLE SHEET 2008TIN003C														
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	TH08-15	128.70	129.75	1.05	8R154747	Qm				24-Aug-08	N	CORE	Eco Tech	CUTCORE
2	TH08-15	129.75	130.60	0.85	8R154748	Qm clay, ser alt'd				24-Aug-08	N	CORE	Eco Tech	CUTCORE
3	TH08-15	130.60	132.56	1.96	8R154749	Qm clay, ser alt'd				24-Aug-08	N	CORE	Eco Tech	CUTCORE
4	TH08-15	132.56	133.70	1.14	8R154750	Qm				24-Aug-08	N	CORE	Eco Tech	CUTCORE
5	TH08-15	133.70	135.25	1.55	8R154801	Qm clay, ser alt'd				24-Aug-08	N	CORE	Eco Tech	CUTCORE
6	TH08-15				8R154802	Blank		Blank		24-Aug-08	N	CORE	Eco Tech	CUTCORE
7	TH08-15	135.25	135.80	0.55	8R154803	Qm				24-Aug-08	N	CORE	Eco Tech	CUTCORE
8	TH08-15	135.80	136.00	0.20	8R154804	QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
9	TH08-15	142.50	143.50	1.00	8R154805	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
10	TH08-15	143.50	144.80	1.30	8R154806	Qm w/ sx veinlet				24-Aug-08	N	CORE	Eco Tech	CUTCORE
11	TH08-15	144.80	145.80	1.00	8R154807	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
12	TH08-15	145.80	147.00	1.20	8R154808	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
13	TH08-15	147.00	149.00	2.00	8R154809	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
14	TH08-15	149.00	151.00	2.00	8R154810	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
15	TH08-15				8R154811	Standard Oreas 52 Pb	Oreas 52 Pb	Standard		24-Aug-08	N	CORE	Eco Tech	CUTCORE
16	TH08-15	151.00	152.25	1.25	8R154812	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
17	TH08-15	152.25	152.57	0.32	8R154813	Alt'd QM w/ sx veinlets				24-Aug-08	N	CORE	Eco Tech	CUTCORE
18	TH08-15	152.57	152.90	0.33	8R154814	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
19	TH08-15	152.90	154.00	1.10	8R154815	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
20	TH08-15	154.00	155.10	1.10	8R154816	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
21	TH08-15	155.10	156.40	1.30	8R154817	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
22	TH08-15	156.40	157.75	1.35	8R154818	Duplicated				24-Aug-08	N	CORE	Eco Tech	CUTCORE
23	TH08-15	157.75	158.00	0.25	8R154819	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
24	TH08-15	156.40	157.75	1.35	8R154820	Duplicate of 8R154818	8R154818	Duplicate		24-Aug-08	N	CORE	Eco Tech	CUTCORE
25	TH08-15	158.00	160.00	2.00	8R154821	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
26	TH08-15	160.00	161.30	1.30	8R154822	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
27	TH08-15	161.30	162.20	0.90	8R154823	Alt'd QM				24-Aug-08	N	CORE	Eco Tech	CUTCORE
28	TH08-15													
29	TH08-15													
30	TH08-15													
31	TH08-15													
32	TH08-15													
33	TH08-15													
34	TH08-15													
35	TH08-15													

TINTA BATCH SAMPLE SHEET 2008TIN0003A

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
Note: Original Batch sheet is with In the Vein Log.														
1	TH08-15	12.8	13.2	0.40	8R154212					21-Jun-08	N	Core	Ecotech	cut
2	TH08-15				8R154213	Standard CDH HLHZ	CDH HLHZ	Standard		21-Jun-08	N	Core	Ecotech	cut
3	TH08-15	13.2	13.6	0.40	8R154214	Vein				21-Jun-08	N	Core	Ecotech	cut
4	TH08-15	13.6	14.4	0.80	8R154215					21-Jun-08	N	Core	Ecotech	cut
5	TH08-15				8R154216	Blank		Blank		21-Jun-08	N	Core	Ecotech	cut
6	TH08-15	14.4	14.6	0.20	8R154217	Vein				21-Jun-08	N	Core	Ecotech	cut
7	TH08-15	14.6	15.24	0.64	8R154218					21-Jun-08	N	Core	Ecotech	cut
8	TH08-15	15.24	17.2	1.96	8R154219					21-Jun-08	N	Core	Ecotech	cut
9	TH08-15	Blank			8R154220	Blank		Blank		21-Jun-08	N	Core	Ecotech	cut
10	TH08-15	17.2	18.7	1.50	8R154221					21-Jun-08	N	Core	Ecotech	cut
11	TH08-15	71.0	72.0	1.00	8R154222					21-Jun-08	N	Core	Ecotech	cut
12	TH08-15	72.0	73.0	1.00	8R154223					21-Jun-08	N	Core	Ecotech	cut
13	TH08-15				8R154224	Standard CDH HLHZ	CDH HLHZ	Standard		21-Jun-08	N	Core	Ecotech	cut
14	TH08-15	73.0	74.0	1.00	8R154225					21-Jun-08	N	Core	Ecotech	cut
15	TH08-15				8R154226	Blank		Blank		21-Jun-08	N	Core	Ecotech	cut
16	TH08-15	74.0	75.0	1.00	8R154227	Vein				21-Jun-08	N	Core	Ecotech	cut
17	TH08-15	75.0	76.0	1.00	8R154228					21-Jun-08	N	Core	Ecotech	cut
18	TH08-15	76.0	77.0	1.00	8R154229					21-Jun-08	N	Core	Ecotech	cut
19	TH08-15	81.9	83.05	1.15	8R154230					21-Jun-08	N	Core	Ecotech	cut
20	TH08-15	83.05	84.1	1.05	8R154231	Vein Stockwork				21-Jun-08	N	Core	Ecotech	cut
21	TH08-15				8R154232	Blank		Blank		21-Jun-08	N	Core	Ecotech	cut
22	TH08-15				8R154233	Standard CDH HLHZ	CDH HLHZ	Standard		21-Jun-08	N	Core	Ecotech	cut
[illegible]	TH08-15	84.1	85.0	0.90	8R154234					21-Jun-08	N	Core	Ecotech	cut
[illegible]	TH08-15	136.0	137.4	1.40	8R154235					21-Jun-08	N	Core	Ecotech	cut
25	TH08-15				8R154236	Standard CDH HLHZ	CDH HLHZ	Standard		21-Jun-08	N	Core	Ecotech	cut
26	TH08-15	137.4	138.4	1.00	8R154237					21-Jun-08	N	Core	Ecotech	cut
27	TH08-15	138.4	141.1	2.70	8R154238					21-Jun-08	N	Core	Ecotech	cut
28	TH08-15				8R154239	Blank		Blank		21-Jun-08	N	Core	Ecotech	cut
29	TH08-15	141.1	141.5	0.40	8R154240					21-Jun-08	N	Core	Ecotech	cut
30	TH08-15	141.5	142.5	1.00	8R154241					21-Jun-08	N	Core	Ecotech	cut
31														
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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
www.ecotechlab.com

CERTIFICATE OF ASSAY AW 2008-8065

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

4-Jul-08

No. of samples received: 7
Sample Type: Core
Project: TINTA
Shipment #: 2008TIN001A
Submitted by: Twila Skinner

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	Zn (%)
3	8R154244	1.31	0.038	103	3.004	7.48
6	8R154247					1.67

QC DATA:

Standard: Oxi67	1.83	0.053			
Pb129			23.7	0.691	2.01

JJ/ap
XLS/08

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

4-Jul-

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- 8065
Total Digest

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

No. of samples received: 7
Sample Type: Core
Project: TINTA
Shipment #: 2008TIN001A
Submitted by: Twila Skinner

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	8R154242	45	0.6	7.43	10	1020	<5	1.80	19	7	113	33	1.95	1.76	10	0.54	1634	3	1.15	7	460	448	10	<20	242	0.15	<10	43	<10	6	2957
2	8R154243	130	1.4	7.56	15	1205	<5	1.46	29	7	106	116	2.30	1.87	10	0.48	1367	3	1.99	6	520	1332	15	<20	292	0.19	<10	44	<10	4	3738
3	8R154244	>1000	>30	0.78	5	15	65	0.64	148	114	30	7667	>10	<0.01	<10	2.01	814	32	0.13	35	130	8136	10	<20	6	0.02	<10	2	<10	1	>10000
4	8R154245	150	5.4	8.25	10	510	<5	2.11	76	7	115	263	2.33	2.10	20	0.86	2561	6	0.35	9	470	4370	20	<20	78	0.15	<10	39	<10	5	9376
5	8R154246	<5	<0.2	7.02	15	1095	<5	1.05	<1	4	103	24	1.65	2.51	40	0.37	358	1	2.14	8	470	32	<5	<20	276	0.20	<10	27	<10	19	41
6	8R154247	800	13.2	8.40	40	285	35	1.01	136	55	114	785	7.38	3.27	10	0.51	1255	17	0.55	27	700	6734	45	<20	74	0.14	<10	46	<10	3	>10000
7	8R154248	190	10.8	7.30	15	1175	40	3.28	19	17	95	277	3.64	1.20	10	0.93	1417	4	1.78	12	750	730	30	<20	606	0.22	<10	72	<10	9	2540
QC DATA:																															
Resplit:																															
1	8R154242	45	0.8	7.82	15	1010	<5	1.85	16	7	109	30	2.09	1.93	10	0.53	1709	3	1.07	7	500	462	10	<20	232	0.18	<10	43	<10	6	2940
6	8R154247	755																													
7	8R154248	175																													
Standard:																															
Stsd3			0.5	5.64	25	1380	<5	2.32	1	16	61	41	4.06	1.39	30	1.27	2554	6	1.06	30	1640	54	<5	<20	250	0.30	<10	118	<10	31	203
SF30		835																													

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

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JJ/nw
df/td709as
XLS/07

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

CERTIFICATE OF ASSAY AW 2008-8201

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

5-Sep-08

No. of samples received: 50
Sample Type: Core
Project:Tinta
Shipment #:2008TIN001B
Submitted by: T.Skinner

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	Cu (%)
7	8R153607	1.65	0.048			4.62
9	8R153609			124	3.62	
39	8R153639	1.66	0.048			4.65

QC DATA:

Standard:					
Oxi67	1.88	0.055			
Pb129			22.8	0.665	
Cu120					1.52

JJ/dc
XLS/08

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

28-...-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- 8201

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

No. of samples received: 50
Sample Type: Core
Project:Tinta
Shipment #:2008TIN001B
Submitted by: T.Skinner

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	8R153601	5	<0.2	1.43	10	700	<5	2.16	<1	9	105	3	3.08	<10	1.25	603	5	0.05	15	940	22	15	<20	532	0.04	<10	67	<10	7	101
2	8R153602	5	0.2	0.46	<5	645	<5	4.03	<1	5	85	2	1.85	10	0.57	846	2	0.02	7	670	14	5	<20	260	0.02	<10	17	<10	7	89
3	8R153603	5	<0.2	0.40	<5	420	<5	4.71	<1	6	76	2	2.12	10	0.53	1615	3	0.02	7	780	20	10	<20	214	0.03	<10	16	<10	7	156
4	8R153604	<5	0.2	0.35	<5	160	<5	4.30	1	10	57	3	2.37	10	0.57	2475	3	0.02	10	860	76	10	<20	163	0.03	<10	15	<10	8	154
5	8R153605	5	<0.2	0.33	<5	90	5	4.61	<1	10	66	2	2.52	10	0.52	3788	3	<0.01	9	850	188	<5	<20	159	0.05	<10	14	<10	7	205
6	8R153606	70	1.6	0.36	45	80	<5	1.82	43	10	60	76	5.19	<10	0.84	4463	22	<0.01	6	590	2186	10	<20	71	0.09	<10	17	<10	<1	5591
7	8R153607	>1000	14.7	2.89	<5	95	<5	0.76	20	79	90	>10000	>10	<10	2.50	291	193	0.09	64	<10	4750	40	<20	21	0.18	<10	148	<10	<1	2569
8	8R153608	5	0.2	0.52	10	50	<5	0.25	<1	6	85	21	1.64	20	0.30	287	4	0.06	5	450	20	<5	<20	<1	0.09	<10	31	<10	8	35
9	8R153609	745	>30	0.32	830	50	<5	0.82	52	18	65	4166	5.62	<10	0.34	1857	24	<0.01	13	170	2072	1445	<20	43	0.04	<10	16	<10	<1	4520
10	8R153610	10	<0.2	0.57	20	70	<5	0.32	<1	6	96	30	1.65	20	0.35	307	3	0.06	7	460	22	5	<20	5	0.08	<10	30	<10	8	35
11	8R153611	5	0.3	0.25	60	65	<5	1.60	3	4	76	7	1.42	<10	0.49	1863	3	<0.01	5	410	302	10	<20	50	0.03	<10	7	<10	2	402
12	8R153612	<5	<0.2	0.31	130	75	<5	1.23	<1	6	59	2	1.30	<10	0.44	1143	3	<0.01	5	570	16	10	<20	53	0.02	<10	12	<10	2	124
13	8R153613	5	<0.2	0.27	45	100	5	3.16	<1	5	77	2	1.63	<10	0.96	2639	1	<0.01	4	440	12	15	<20	79	0.04	<10	8	<10	2	79
14	8R153614	5	<0.2	0.24	25	105	5	3.08	<1	5	93	3	1.47	<10	0.97	3055	3	<0.01	5	410	18	15	<20	71	0.04	<10	5	<10	3	80
15	8R153615	<5	0.2	0.25	25	85	<5	2.54	<1	4	89	2	1.24	<10	0.76	2813	2	<0.01	6	400	52	20	<20	76	0.03	<10	5	<10	3	90
16	8R153616	<5	<0.2	0.25	20	90	<5	2.48	<1	4	88	2	1.31	<10	0.72	3102	3	<0.01	5	430	48	10	<20	64	0.04	<10	6	<10	3	114
17	8R153617	5	<0.2	0.26	50	80	<5	2.99	<1	5	77	3	1.56	<10	0.85	3510	2	<0.01	7	530	48	15	<20	72	0.04	<10	8	<10	6	117
18	8R153618	5	<0.2	0.25	25	105	<5	2.91	<1	5	88	2	1.50	<10	0.86	3784	3	<0.01	7	470	30	15	<20	94	0.05	<10	6	<10	5	102
19	8R153619	10	0.5	0.22	135	65	10	2.05	6	8	80	7	3.57	<10	0.70	3721	6	<0.01	6	470	548	10	<20	88	0.06	<10	10	<10	2	790
20	8R153620	5	<0.2	0.56	20	70	<5	0.24	<1	6	94	20	1.63	30	0.33	296	3	0.06	6	440	20	<5	<20	<1	0.10	<10	29	<10	8	33
21	8R153621	40	2.9	0.31	740	45	5	0.67	48	13	61	52	5.73	<10	0.36	1704	26	<0.01	13	470	2722	20	<20	75	0.04	<10	19	<10	<1	6094
22	8R153622	<5	0.2	0.33	15	55	<5	2.90	<1	13	68	1	2.44	<10	0.47	1457	3	0.03	10	800	42	5	<20	159	0.03	<10	30	<10	5	118
23	8R153623	<5	<0.2	0.85	20	65	5	1.83	<1	8	90	2	2.13	<10	0.66	486	2	0.04	8	660	16	15	<20	104	0.02	<10	37	<10	6	65
24	8R153624	5	<0.2	1.57	25	55	<5	2.88	<1	15	88	2	3.12	<10	1.31	601	4	0.04	15	980	24	20	<20	217	0.03	<10	57	<10	8	83
25	8R153625	<5	0.2	1.60	25	55	<5	2.63	<1	15	84	2	3.24	<10	1.36	609	3	0.03	17	1010	24	15	<20	173	0.03	<10	61	<10	8	86
26	8R153626	300	1.1	0.91	15	55	<5	0.64	<1	11	21	3414	3.80	<10	0.41	277	6	0.07	18	280	24	10	<20	37	0.11	<10	46	<10	4	64
27	8R153627	5	<0.2	1.40	25	50	<5	2.13	<1	12	87	7	2.89	<10	1.11	473	3	0.05	12	780	24	10	<20	137	0.05	<10	62	<10	3	67
28	8R153628	5	0.2	0.44	20	115	<5	1.23	<1	3	97	115	0.97	<10	0.23	124	2	0.04	4	260	16	<5	<20	65	<0.01	<10	11	<10	2	19
29	8R153629	<5	0.3	0.23	15	180	<5	1.76	<1	1	97	82	0.64	<10	0.08	101	7	0.04	4	230	10	<5	<20	69	<0.01	<10	6	<10	5	10
30	8R153630	10	0.2	0.35	10	455	<5	1.83	<1	<1	94	41	0.87	<10	0.18	149	7	0.04	4	290	14	<5	<20	95	<0.01	<10	12	<10	2	18

ECO TEC LABORATORY LTD. ICP CERTIFICATE OF A .SIS AW 2008- 8201 Bushmaster Explorat...

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	8R153631	<5	0.2	0.26	15	570	<5	1.35	<1	<1	94	43	0.89	<10	0.11	144	12	0.04	4	290	10	<5	<20	88	<0.01	<10	10	<10	<1	20
32	8R153632	5	<0.2	0.28	15	1020	<5	2.54	<1	1	93	15	1.49	<10	0.30	320	3	0.04	7	420	16	5	<20	146	0.01	<10	14	<10	4	43
33	8R153633	5	<0.2	0.49	15	1345	<5	2.32	<1	<1	79	1	2.02	<10	0.46	412	3	0.04	7	590	12	10	<20	196	0.02	<10	33	<10	7	87
34	8R153634	<5	<0.2	0.43	15	235	5	4.66	<1	8	75	2	2.30	10	0.63	698	2	0.02	8	680	14	15	<20	187	0.02	<10	31	<10	7	95
35	8R153635	<5	<0.2	0.47	25	55	<5	3.67	<1	6	48	3	0.90	<10	0.34	521	2	<0.01	6	550	16	10	<20	165	0.01	<10	20	<10	4	144
36	8R153636	5	<0.2	0.59	25	55	5	4.94	<1	5	60	2	2.22	10	0.30	544	2	0.02	4	1040	16	20	<20	248	0.02	<10	63	<10	13	139
37	8R153637	10	<0.2	1.11	25	510	<5	2.29	<1	9	89	2	3.08	10	1.02	658	3	0.04	11	860	20	15	<20	170	0.02	<10	41	<10	10	93
38	8R15368	5	<0.2	0.67	10	270	10	2.75	<1	4	85	2	1.53	10	0.44	312	2	0.05	4	450	16	<5	<20	176	0.02	<10	24	<10	3	37
39	8R153639	>1000	14.9	2.82	5	85	<5	0.76	17	91	93	>10000	>10	<10	2.41	294	197	0.09	55	<10	4806	15	<20	15	0.21	<10	157	<10	<1	2578
40	8R153640	20	0.2	0.61	30	60	<5	0.27	<1	6	92	30	1.70	20	0.38	332	2	0.06	9	470	24	<5	<20	<1	0.08	<10	31	<10	9	39
41	8R153641	<5	<0.2	0.39	20	95	10	3.31	<1	9	70	2	2.39	10	0.40	1368	2	0.03	8	790	18	<5	<20	191	0.03	<10	27	<10	7	79
42	8R153642	25	6.7	0.33	45	60	<5	0.61	69	22	80	599	5.06	<10	0.52	2548	36	<0.01	8	620	2296	30	<20	36	0.05	<10	15	<10	<1	8503
43	8R153643	180	19.4	0.37	180	60	<5	2.27	55	31	58	901	5.07	<10	0.78	3551	32	<0.01	12	660	2598	235	<20	56	0.06	<10	17	<10	<1	6423
44	8R153644	5	<0.2	0.61	25	70	<5	0.28	<1	6	95	22	1.73	30	0.38	314	2	0.06	8	490	24	<5	<20	<1	0.09	<10	32	<10	7	49
45	8R153645	5	<0.2	0.44	40	75	10	2.82	<1	13	56	2	3.25	10	0.78	1857	3	0.02	11	940	16	5	<20	124	0.03	<10	24	<10	8	184
46	8R153646	5	<0.2	0.69	20	65	<5	2.83	<1	9	76	<1	2.86	10	0.57	1004	3	0.03	8	880	14	15	<20	210	0.02	<10	36	<10	9	88
47	8R153647	5	<0.2	1.35	15	170	10	3.45	<1	12	67	<1	3.28	10	1.16	951	4	0.03	12	900	20	15	<20	314	0.03	<10	41	<10	7	105
48	8R153648	<5	<0.2	0.56	20	350	<5	2.95	<1	3	83	5	1.18	<10	0.39	383	1	0.03	6	420	18	<5	<20	259	0.01	<10	19	<10	6	37
49	8R153649	<5	<0.2	0.46	15	120	<5	3.00	<1	4	73	4	0.96	10	0.33	339	2	0.04	5	400	10	5	<20	165	<0.01	<10	13	<10	3	40
50	8R153650	5	<0.2	0.35	10	545	<5	5.40	<1	<1	71	1	0.88	<10	0.32	459	<1	0.01	4	340	16	10	<20	441	0.01	<10	11	<10	7	56
QC DATA:																														
Repeat:																														
1	8R153601	10	<0.2	1.46	10	705	5	2.18	1	10	108	8	3.10	<10	1.26	605	5	0.05	15	950	24	25	<20	545	0.05	<10	68	<10	7	104
9	8R153609	695																												
19	8R153619	10	0.4	0.23	150	65	5	2.04	5	8	82	7	3.57	<10	0.69	3714	5	<0.01	6	460	536	5	<20	87	0.05	<10	10	<10	3	806
36	8R153636	10	<0.2	0.64	15	55	<5	5.02	<1	5	59	3	2.25	10	0.30	555	2	0.02	3	1030	16	20	<20	262	0.02	<10	65	<10	14	141
43	8R153643	175																												
45	8R153645	5	<0.2	0.48	20	90	<5	2.88	<1	14	59	2	3.30	10	0.81	1890	3	0.02	11	950	14	10	<20	144	0.04	<10	24	<10	9	179
Resplit:																														
1	8R153601	5	<0.2	1.37	20	685	<5	2.05	<1	9	97	3	2.97	<10	1.18	571	2	0.05	14	940	24	20	<20	534	0.04	<10	65	<10	7	101
36	8R153636	5	<0.2	0.70	15	60	5	5.01	<1	5	55	3	2.28	10	0.33	568	2	0.02	5	1080	14	20	<20	265	0.02	<10	66	<10	15	141
Standard:																														
PB129a			11.7	0.82	15	75	<5	0.52	59	7	12	1460	1.70	<10	0.75	368	3	0.03	7	450	6200	15	<20	28	0.05	<10	21	<10	<1	>10000
PB129a			11.5	0.80	15	70	<5	0.50	63	7	12	1471	1.80	<10	0.82	390	3	0.03	8	460	6212	15	<20	29	0.05	<10	20	<10	<1	>10000
Se29		590																												
Se29		595																												

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

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

JJ/ap
df/8205S
XLS/07

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	8R153631	<5	0.2	0.26	15	570	<5	1.35	<1	<1	94	43	0.89	<10	0.11	144	12	0.04	4	290	10	<5	<20	88	<0.01	<10	10	<10	<1	20
32	8R153632	5	<0.2	0.28	15	1020	<5	2.54	<1	1	93	15	1.49	<10	0.30	320	3	0.04	7	420	16	5	<20	146	0.01	<10	14	<10	4	43
33	8R153633	5	<0.2	0.49	15	1345	<5	2.32	<1	<1	79	1	2.02	<10	0.46	412	3	0.04	7	590	12	10	<20	196	0.02	<10	33	<10	7	87
34	8R153634	<5	<0.2	0.43	15	235	5	4.66	<1	8	75	2	2.30	10	0.63	698	2	0.02	8	680	14	15	<20	187	0.02	<10	31	<10	7	95
35	8R153635	<5	<0.2	0.47	25	55	<5	3.67	<1	6	48	3	0.90	<10	0.34	521	2	<0.01	6	550	16	10	<20	165	0.01	<10	20	<10	4	144
36	8R153636	5	<0.2	0.59	25	55	5	4.94	<1	5	60	2	2.22	10	0.30	544	2	0.02	4	1040	16	20	<20	248	0.02	<10	63	<10	13	139
37	8R153637	10	<0.2	1.11	25	510	<5	2.29	<1	9	89	2	3.08	10	1.02	658	3	0.04	11	860	20	15	<20	170	0.02	<10	41	<10	10	93
38	8R153638	5	<0.2	0.67	10	270	10	2.75	<1	4	85	2	1.53	10	0.44	312	2	0.05	4	450	16	<5	<20	176	0.02	<10	24	<10	3	37
39	8R153639	>1000	14.9	2.82	5	85	<5	0.76	17	91	93	>10000	>10	<10	2.41	294	197	0.09	55	<10	4806	15	<20	15	0.21	<10	157	<10	<1	2578
40	8R153640	20	0.2	0.61	30	60	<5	0.27	<1	6	92	30	1.70	20	0.38	332	2	0.06	9	470	24	<5	<20	<1	0.08	<10	31	<10	9	39
41	8R153641	<5	<0.2	0.39	20	95	10	3.31	<1	9	70	2	2.39	10	0.40	1368	2	0.03	8	790	18	<5	<20	191	0.03	<10	27	<10	7	79
42	8R153642	25	6.7	0.33	45	60	<5	0.61	69	22	80	599	5.06	<10	0.52	2548	36	<0.01	8	620	2296	30	<20	36	0.05	<10	15	<10	<1	8503
43	8R153643	180	19.4	0.37	180	60	<5	2.27	55	31	58	901	5.07	<10	0.78	3551	32	<0.01	12	660	2598	235	<20	56	0.06	<10	17	<10	<1	6423
44	8R153644	5	<0.2	0.61	25	70	<5	0.28	<1	6	95	22	1.73	30	0.38	314	2	0.06	8	490	24	<5	<20	<1	0.09	<10	32	<10	7	49
45	8R153645	5	<0.2	0.44	40	75	10	2.82	<1	13	56	2	3.25	10	0.78	1857	3	0.02	11	940	16	5	<20	124	0.03	<10	24	<10	8	184
46	8R153646	5	<0.2	0.69	20	65	<5	2.83	<1	9	76	<1	2.86	10	0.57	1004	3	0.03	8	880	14	15	<20	210	0.02	<10	36	<10	9	88
47	8R153647	5	<0.2	1.35	15	170	10	3.45	<1	12	67	<1	3.28	10	1.16	951	4	0.03	12	900	20	15	<20	314	0.03	<10	41	<10	7	105
48	8R153648	<5	<0.2	0.56	20	350	<5	2.95	<1	3	83	5	1.18	<10	0.39	383	1	0.03	6	420	18	<5	<20	259	0.01	<10	19	<10	6	37
49	8R153649	<5	<0.2	0.46	15	120	<5	3.00	<1	4	73	4	0.96	10	0.33	339	2	0.04	5	400	10	5	<20	165	<0.01	<10	13	<10	3	40
50	8R153650	5	<0.2	0.35	10	545	<5	5.40	<1	<1	71	1	0.88	<10	0.32	459	<1	0.01	4	340	16	10	<20	441	0.01	<10	11	<10	7	56
QC DATA:																														
Repeat:																														
1	8R153601	10	<0.2	1.46	10	705	5	2.18	1	10	108	8	3.10	<10	1.26	605	5	0.05	15	950	24	25	<20	545	0.05	<10	68	<10	7	104
9	8R153609	695																												
19	8R153619	10	0.4	0.23	150	65	5	2.04	5	8	82	7	3.57	<10	0.69	3714	5	<0.01	6	460	536	5	<20	87	0.05	<10	10	<10	3	806
36	8R153636	10	<0.2	0.64	15	55	<5	5.02	<1	5	59	3	2.25	10	0.30	555	2	0.02	3	1030	16	20	<20	262	0.02	<10	65	<10	14	141
43	8R153643	175																												
45	8R153645	5	<0.2	0.48	20	90	<5	2.88	<1	14	59	2	3.30	10	0.81	1890	3	0.02	11	950	14	10	<20	144	0.04	<10	24	<10	9	179
Resplit:																														
1	8R153601	5	<0.2	1.37	20	685	<5	2.05	<1	9	97	3	2.97	<10	1.18	571	2	0.05	14	940	24	20	<20	534	0.04	<10	65	<10	7	101
36	8R153636	5	<0.2	0.70	15	60	5	5.01	<1	5	55	3	2.28	10	0.33	568	2	0.02	5	1080	14	20	<20	265	0.02	<10	66	<10	15	141
Standard:																														
PB129a			11.7	0.82	15	75	<5	0.52	59	7	12	1460	1.70	<10	0.75	368	3	0.03	7	450	6200	15	<20	28	0.05	<10	21	<10	<1	>10000
PB129a			11.5	0.80	15	70	<5	0.50	63	7	12	1471	1.80	<10	0.82	390	3	0.03	8	460	6212	15	<20	29	0.05	<10	20	<10	<1	>10000
Se29		590																												
Se29		595																												

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

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

JJ/ap
df/8205S
XLS/07

2( )-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- 8202
Total Digest

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

No. of samples received: 16
Sample Type: Core
Project:TINTA
Shipment #:2008TIN001C
Submitted by: Twila Skinner

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	8R153651	<5	<0.2	0.50	10	290	<5	3.03	<1	2	82	1	0.96	<10	0.24	354	<1	0.02	5	390	14	5	<20	323	0.01	<10	14	<10	4	38
2	8R153652	<5	<0.2	0.49	10	310	<5	3.11	<1	1	87	1	0.94	<10	0.17	316	<1	0.02	5	350	16	10	<20	369	0.01	<10	18	<10	3	24
3	8R153653	5	<0.2	0.29	10	230	<5	2.81	<1	2	85	1	0.81	<10	0.24	300	<1	0.02	4	360	10	<5	<20	212	<0.01	<10	7	<10	4	24
4	8R153654	5	<0.2	0.73	5	145	10	2.70	<1	6	74	1	1.40	<10	0.45	373	<1	0.02	6	610	16	10	<20	244	0.01	<10	17	<10	5	51
5	8R153655	<5	<0.2	0.30	10	195	5	2.75	<1	2	95	1	0.74	<10	0.19	357	<1	0.03	5	270	10	<5	<20	208	<0.01	<10	11	<10	4	28
6	8R153656	<5	<0.2	0.83	5	130	10	2.09	<1	9	82	<1	1.91	<10	0.64	889	<1	0.03	10	640	16	10	<20	165	0.02	<10	28	<10	5	101
7	8R153657	5	<0.2	0.23	<5	160	5	1.83	<1	4	91	1	0.99	<10	0.25	634	<1	0.04	5	390	10	<5	<20	121	0.01	<10	7	<10	3	60
8	8R153658	300	0.9	0.86	<5	55	<5	0.61	<1	11	20	3405	3.40	<10	0.38	272	3	0.07	16	230	34	<5	<20	39	0.11	<10	40	<10	3	68
9	8R153659	<5	0.4	0.21	<5	160	<5	2.13	2	3	93	49	0.90	<10	0.21	906	<1	0.03	5	390	350	5	<20	151	0.01	<10	7	<10	4	236
10	8R153660	100	2.4	0.27	<5	80	10	2.08	57	10	75	56	2.89	<10	0.60	2043	<1	0.02	6	650	1474	<5	<20	136	0.04	<10	13	<10	<1	6275
11	8R153661	5	<0.2	0.49	10	60	<5	0.23	<1	5	89	19	1.36	20	0.30	271	1	0.06	6	410	18	<5	<20	<1	0.06	<10	24	<10	5	38
12	8R153662	5	<0.2	0.31	<5	315	5	2.86	2	4	80	4	1.25	<10	0.29	828	<1	0.03	5	580	18	<5	<20	137	0.02	<10	14	<10	4	185
13	8R153663	<5	<0.2	0.25	<5	450	5	3.16	<1	2	80	1	1.08	<10	0.36	618	<1	0.02	4	500	14	5	<20	165	0.01	<10	10	<10	4	46
14	8R153664	<5	<0.2	0.37	<5	380	<5	3.02	2	3	107	9	1.55	10	0.32	957	<1	0.04	6	560	222	5	<20	190	0.02	<10	15	<10	4	299
15	8R153665	<5	<0.2	0.48	10	295	5	2.76	<1	2	76	<1	0.97	<10	0.24	326	<1	0.02	6	380	16	<5	<20	306	0.01	<10	14	<10	4	39
16	8R153666	<5	<0.2	0.46	<5	290	<5	2.81	<1	3	94	2	1.31	<10	0.34	736	<1	0.03	5	490	12	10	<20	179	0.02	<10	16	<10	5	64
QC DATA:																														
Repeat:																														
1	8R153651	5	<0.2	0.50	5	290	<5	3.04	<1	2	82	2	0.97	<10	0.24	362	<1	0.02	6	390	16	10	<20	329	0.01	<10	14	<10	5	42
10	8R153660	80																												
Resplit:																														
1	8R153651	<5	<0.2	0.51	10	300	5	3.04	<1	3	71	2	1.00	<10	0.25	363	<1	0.02	6	400	12	5	<20	339	0.01	<10	14	<10	5	37
Standard:																														
Pb129a			11.6	0.83	10	65	<5	0.50	57	7	12	1430	1.51	<10	0.69	360	3	0.03	5	410	6052	15	<20	28	0.05	<10	17	<10	<1	9933
Se29		590																												

Au: 30g FA - AA Finish
ICP : Total Digest - ICP/AES Finish
Ag : Total Digest- AA Finish
JJ/ap
df/6138S
XLS/08

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
www.ecotechlab.com

CERTIFICATE OF ASSAY AW 2008-8259

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

20-Oct-08

No. of samples received: 35
Sample Type: Core
Project: Tinta
Shipment #:2008TIN002B
Submitted by: Twila Skinner

ET #.	Tag #	Au (g/t)	Au (oz/t)	Cu (%)
14	8R153680	1.63	0.048	4.65

QC DATA:

Standard:

Oxi67	1.79	0.052	
Cu120			1.54

JJ/nw
XLS/08

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

17 -08

Alex Stewart Geochemiocal
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 2008-8259

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

No. of samples received: 35
Sample Type: Core
Project: Tinta
Shipment #:2008TIN002B
Submitted by: Twila Skinner

Values in ppm unless otherwise reported

Et #.	Tag #	Au ppb	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	8R153667	5	<0.2	0.63	<5	110	15	2.21	<1	8	80	3	1.91	<10	0.51	711	4	0.03	7	570	22	<5	<20	116	0.03	<10	22	<10	4	78
2	8R153668	10	0.5	0.35	<5	125	10	4.42	1	9	50	44	2.28	<10	0.88	1809	4	0.01	6	700	488	10	<20	195	0.05	<10	14	<10	5	158
3	8R153669	5	<0.2	1.38	<5	205	15	2.23	<1	12	78	2	2.71	10	1.04	776	1	0.04	8	860	34	<5	<20	207	0.06	<10	43	<10	5	91
4	8R153670	5	<0.2	1.82	<5	490	5	2.52	2	15	146	2	3.68	<10	1.61	890	8	0.03	31	940	38	35	<20	206	0.04	<10	40	<10	11	92
5	8R153671	10	0.2	0.59	165	60	15	2.28	2	11	47	4	2.46	<10	0.27	1067	<1	<0.01	8	640	130	5	<20	128	0.10	<10	33	<10	6	224
6	8R153672	305	1.0	0.83	15	60	<5	0.58	2	10	21	3419	3.43	<10	0.36	266	6	0.07	18	210	34	10	<20	38	0.10	<10	42	<10	3	59
7	8R153673	5	<0.2	0.54	5	65	<5	0.24	<1	6	98	54	1.52	30	0.32	296	1	0.06	6	430	24	<5	<20	3	0.10	<10	30	<10	7	32
8	8R153674	145	2.6	0.36	30	80	15	5.72	47	9	41	61	2.81	<10	0.69	4775	4	<0.01	10	330	3604	45	<20	210	0.06	<10	20	<10	3	5579
9	8R153675	5	0.4	0.26	<5	425	<5	2.62	<1	2	97	109	0.92	<10	0.20	419	3	0.02	3	360	18	<5	<20	171	0.01	<10	7	<10	2	52
10	8R153676	5	<0.2	0.67	<5	510	10	3.05	<1	8	69	2	2.35	10	0.97	598	1	0.02	6	690	16	<5	<20	186	0.03	<10	19	<10	6	80
11	8R153677	5	<0.2	1.45	<5	130	10	2.49	2	14	67	2	3.23	<10	1.25	786	8	0.04	12	1000	26	30	<20	493	0.03	<10	70	<10	6	81
12	8R153678	10	0.2	0.46	<5	105	5	3.04	<1	7	54	1	2.09	<10	0.89	1134	<1	0.02	5	700	16	5	<20	151	0.03	<10	33	<10	4	76
13	8R153679	5	<0.2	0.59	<5	210	10	2.44	<1	10	64	2	2.80	<10	0.74	1785	<1	0.03	<1	870	70	<5	<20	187	0.34	<10	38	<10	4	149
14	8R153680	>1000	14.9	2.37	<5	90	<5	0.62	22	82	96	>10000	>10	<10	2.06	272	162	0.08	63	<10	4714	40	<20	21	<0.01	<10	138	<10	<1	2522
15	8R153681	5	<0.2	0.54	5	65	<5	0.22	<1	5	95	30	1.41	30	0.32	288	1	0.06	6	400	22	<5	<20	1	0.06	<10	28	<10	6	30
16	8R153682	340	9.5	0.21	125	50	<5	0.55	58	24	111	817	3.97	<10	0.23	1532	5	<0.01	<1	160	2802	60	<20	40	0.05	<10	5	<10	<1	7497
17	8R153683	590	6.0	0.11	130	55	15	7.75	13	92	99	290	6.08	<10	3.07	>10000	49	0.01	12	<10	676	65	<20	102	0.10	<10	19	<10	<1	1074
18	8R153684	40	2.7	0.31	30	50	15	0.66	24	17	63	56	4.54	<10	0.30	2385	6	<0.01	13	720	2726	20	<20	60	0.03	<10	14	<10	<1	3184
19	8R153685	<5	<0.2	0.52	5	60	5	0.25	<1	6	98	24	1.53	20	0.32	309	4	0.06	6	410	30	<5	<20	4	0.06	<10	30	<10	7	36
20	8R153686	5	<0.2	0.37	<5	85	10	2.32	2	9	71	7	2.08	10	0.32	1844	<1	0.02	6	710	240	<5	<20	140	0.02	<10	23	<10	5	353
21	8R153687	5	0.2	1.08	<5	165	15	2.02	2	11	75	4	2.87	10	0.93	1496	4	0.03	9	780	114	10	<20	223	0.02	<10	40	<10	6	304
22	8R153688	5	<0.2	1.09	<5	205	<5	2.43	2	9	80	2	2.20	10	0.84	802	6	0.03	12	700	26	25	<20	333	0.01	<10	34	<10	7	81
23	8R153689	10	<0.2	0.66	<5	165	10	1.95	<1	4	87	1	1.16	<10	0.40	466	3	0.03	5	490	20	10	<20	243	0.01	<10	15	<10	3	47
24	8R153690	5	0.3	0.38	<5	135	15	1.47	1	4	82	3	1.17	<10	0.32	653	2	0.03	5	460	26	5	<20	115	0.01	<10	13	<10	3	82
25	8R153691	5	<0.2	0.23	<5	75	5	1.37	<1	4	98	6	0.91	<10	0.24	583	<1	0.03	3	370	10	<5	<20	84	<0.01	<10	8	<10	2	41
26	8R153692	30	3.2	0.24	<5	85	5	1.17	42	4	96	78	1.04	<10	0.35	604	1	0.02	4	390	2564	20	<20	74	<0.01	<10	5	<10	<1	4560
27	8R153693	5	<0.2	0.24	<5	60	5	1.44	<1	4	99	7	0.97	<10	0.24	591	1	0.03	4	450	40	<5	<20	86	0.04	<10	10	<10	3	90
28	8R153694	5	0.9	0.35	<5	60	<5	1.45	<1	6	103	7	1.43	<10	0.37	844	<1	0.03	3	430	224	<5	<20	97	0.02	<10	14	<10	2	265
29	8R153695	15	2.6	0.28	<5	80	10	1.45	34	8	81	67	2.62	<10	0.67	2236	3	0.01	9	530	2150	20	<20	89	0.05	<10	9	<10	<1	4288
30	8R153696	<5	<0.2	0.51	5	70	5	0.19	<1	5	101	16	1.38	20	0.30	298	1	0.06	4	370	24	<5	<20	2	0.06	<10	27	<10	6	42

ECO TECH LABORATORY LTD. ICP CERTIFICATE OF ANALYSIS AW 2008-8259 Bushmaster Exploration

Et #.	Tag #	Au ppb	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	8R153697	35	1.7	0.32	<5	105	10	2.33	31	11	74	31	3.24	<10	0.99	3577	5	0.01	14	610	2266	25	<20	138	0.04	<10	17	<10	<1	3632
32	8R153698	5	0.2	0.42	<5	145	10	3.26	2	8	64	5	1.86	<10	0.41	1478	1	0.02	8	640	156	<5	<20	206	0.02	<10	21	<10	5	326
33	8R153699	20	1.0	0.27	20	65	<5	2.18	6	6	65	71	1.97	<10	0.78	2929	4	0.01	8	350	234	35	<20	88	0.05	<10	6	<10	4	555
34	8R153700	<5	<0.2	0.57	10	65	<5	0.25	<1	6	84	20	1.41	30	0.35	314	3	0.06	8	400	24	5	<20	2	0.06	<10	28	<10	7	37
35	8R155101	<5	0.2	0.24	<5	60	10	1.44	<1	4	93	6	1.00	<10	0.25	598	1	0.03	4	450	30	<5	<20	81	0.01	<10	11	<10	3	73
QC DATA:																														
Repeat:																														
1	8R153667	<5	<0.2	0.64	<5	115	10	2.19	<1	8	81	3	1.91	<10	0.50	705	2	0.03	6	570	24	<5	<20	118	0.02	<10	22	<10	4	79
10	8R153676	5	<0.2	0.70	<5	525	10	3.08	1	8	71	2	2.40	10	0.98	614	3	0.02	9	670	22	5	<20	186	0.04	<10	19	<10	6	98
Resplit:																														
1	8R153667	<5	<0.2	0.62	<5	115	10	2.19	<1	8	80	4	1.96	<10	0.51	709	<1	0.04	9	570	26	<5	<20	117	0.03	<10	22	<10	5	82
Standard:																														
Pb129a			11.9	0.83	<5	65	<5	0.47	53	6	11	1376	1.58	<10	0.67	358	4	0.03	8	430	6170	10	<20	28	0.03	<10	19	<10	<1	9973
SE29		595																												

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

JJ/nw
df/8259s
XLS/07

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

CERTIFICATE OF ASSAY AW 2008-8066

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

7-Jul-08

No. of samples received: 10
Sample Type: Core
Project: TINTA
Shipment #: 2008TIN002A
Submitted by: Twila Skinner

ET #.	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	Pb (%)	Zn (%)
2	8R154203	1.29	0.038	101	2.95		7.48
4	8R154205			31.8	0.93	1.26	
5	8R154206	2.70	0.079				
QC DATA:							
Repeat:							
5	8R154206	2.55	0.074				
Standard:							
Oxl54		1.80	0.052				
Pb129				23.8	0.69	1.25	2.01

JJ/nw
XLS/08

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8- 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- 8066
Total Digest

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

No. of samples received: 10
Sample Type: Core
Project: TINTA
Shipment #: 2008TIN002A
Submitted by: Twila Skinner

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	8R154202	<5	<0.2	7.88	10	1190	<5	2.32	2	6	55	2	1.97	2.38	10	0.66	1364	<1	0.82	8	520	206	10	<20	131	0.19	<10	53	<10	5	408
2	8R154203	>1000	>30	0.77	<5	10	60	0.73	153	118	30	7598	>10	<0.01	<10	2.05	868	34	0.08	38	170	8119	5	<20	3	0.02	<10	5	<10	<1	>10000
3	8R154204	<5	<0.2	7.07	15	1105	<5	0.92	<1	3	71	18	1.51	2.31	40	0.35	312	1	2.30	7	430	44	<5	<20	277	0.22	<10	31	<10	16	43
4	8R154205	840	>30	1.69	35	140	15	6.84	75	81	120	926	7.44	0.76	<10	2.03	8464	9	0.06	16	200	>10000	255	<20	70	0.06	<10	28	<10	3	6462
5	8R154206	>1000	22.0	3.42	25	145	50	1.14	45	141	116	1515	>10	1.39	<10	0.44	1056	51	0.11	14	270	1882	310	<20	28	0.08	<10	27	<10	<1	5429
6	8R154207	<5	<0.2	7.17	15	1115	<5	0.99	<1	4	77	20	1.55	2.74	40	0.35	328	<1	2.49	9	430	30	<5	<20	289	0.23	<10	31	<10	15	44
7	8R154208	10	0.4	7.63	5	1120	<5	2.41	8	4	53	25	1.72	2.31	<10	0.55	1976	<1	1.19	6	390	448	15	<20	226	0.14	<10	46	<10	5	1172
8	8R154209	25	3.0	7.94	15	1375	<5	2.66	81	8	58	334	2.93	2.69	10	0.75	2735	3	0.86	10	670	2832	50	<20	194	0.25	<10	65	<10	7	8661
9	8R154210	150	5.2	5.99	5	255	<5	1.50	42	15	81	324	3.95	2.22	<10	0.68	2882	8	0.14	10	500	3288	70	<20	50	0.17	<10	49	<10	4	5243
10	8R154211	<5	<0.2	6.71	15	1015	<5	0.80	<1	3	79	18	1.57	3.40	30	0.36	366	1	2.55	7	450	40	<5	<20	260	0.24	<10	34	<10	14	62
QC DATA:																															
Repeat:																															
1	8R154202	<5	<0.2	8.08	15	1255	<5	2.40	2	6	47	2	2.06	2.29	10	0.67	1378	<1	0.83	8	540	210	10	<20	137	0.20	<10	55	<10	6	417
4	8R154205	790																													
Resplit:																															
1	8R154202		<0.2	7.87	10	1220	<5	2.19	2	5	53	1	1.92	2.28	10	0.65	1341	<1	0.77	7	500	202	10	<20	129	0.18	<10	51	<10	5	398
Standard:																															
Stsd3			0.5	5.70	25	1460	<5	2.53	1	17	64	41	4.17	1.46	40	1.30	2609	10	1.13	33	1700	50	<5	<20	249	0.33	<10	121	<10	32	212
SF30		830																													

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

JJ/ap
df/TD8066S
XLS/07

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Phone (250) 573-5700 Fax (250) 573-4557
E-mail: info@ecotechlab.com
www.ecotechlab.com

CERTIFICATE OF ASSAY AW 2008-8260

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

17-Sep-08

No. of samples received: 15
Sample Type: Core
Project: Tinta
Shipment #:2008TIN002C
Submitted by: Twila Skinner

ET #.	Tag #	Au (g/t)	Au (oz/t)	Cu (%)
4	8R155105	1.62	0.047	4.60

QC DATA:

Standard:

Cu120			1.52
OXI67	1.87	0.055	

JJ/nw
XLS/08

ECO TECH LABORATORY LTD.
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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 2008-8260

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

No. of samples received: 15
Sample Type: Core
Project: Tinta
Shipment #:2008TIN002C
Submitted by: Twila Skinner

Values in ppm unless otherwise reported

Et #.	Tag #	Au pbb	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	8R155102	<5	<0.2	0.27	20	75	10	2.54	<1	7	67	3	1.52	<10	0.54	1352	2	0.02	6	480	22	<5	<20	100	0.02	<10	13	<10	4	86
2	8R155103	<5	<0.2	0.22	20	85	<5	2.41	<1	6	64	2	1.21	<10	0.32	972	<1	0.03	5	420	14	<5	<20	109	0.02	<10	11	<10	5	82
3	8R155104	<5	<0.2	0.23	15	220	<5	2.07	10	4	73	18	1.29	<10	0.42	1276	<1	0.03	<1	380	326	<5	<20	100	0.11	<10	9	<10	3	1632
4	8R155105	>1000	13.3	2.30	<5	90	<5	0.65	20	84	94	>10000	>10	<10	2.02	279	160	0.09	55	<10	4766	20	<20	19	0.05	<10	142	<10	<1	2581
5	8R155106	5	<0.2	0.50	25	60	<5	0.29	<1	6	90	61	1.63	30	0.31	299	3	0.06	7	430	26	<5	<20	6	0.07	<10	31	<10	7	43
6	8R155107	<5	<0.2	0.23	10	160	10	2.67	<1	7	66	15	1.76	10	0.38	1667	<1	0.03	4	600	16	<5	<20	132	0.02	<10	15	<10	6	127
7	8R155108	20	2.2	0.26	15	140	<5	2.69	56	9	57	128	2.77	<10	0.54	2794	<1	0.02	7	720	3322	<5	<20	113	0.04	<10	21	<10	5	6246
8	8R155109	305	3.2	0.24	20	70	15	2.30	26	13	63	85	3.36	<10	0.59	2483	1	0.02	8	670	1922	<5	<20	87	0.04	<10	22	<10	1	3268
9	8R155110	<5	<0.2	0.49	20	60	<5	0.21	<1	6	91	25	1.46	20	0.30	318	3	0.06	8	400	40	<5	<20	6	0.07	<10	28	<10	6	50
10	8R155111	<5	<0.2	0.22	15	105	<5	2.72	<1	5	72	4	1.25	<10	0.30	1161	2	0.03	5	490	24	<5	<20	132	0.02	<10	14	<10	5	87
11	8R155112	<5	<0.2	0.23	20	110	10	2.88	<1	6	80	3	1.44	10	0.31	943	3	0.03	9	580	10	<5	<20	128	0.01	<10	17	<10	5	82
12	8R155113	<5	<0.2	0.20	10	455	<5	2.19	<1	3	82	3	1.24	<10	0.35	692	<1	0.03	5	490	10	<5	<20	107	0.01	<10	16	<10	4	73
13	8R155114	<5	0.7	0.22	15	450	<5	3.24	9	4	68	22	1.47	<10	0.92	1486	1	0.02	5	440	614	5	<20	123	0.03	<10	14	<10	4	969
14	8R155115	<5	<0.2	0.51	25	60	<5	0.28	<1	6	87	23	1.55	30	0.32	313	3	0.06	7	430	30	<5	<20	7	0.07	<10	30	<10	8	45
15	8R155116	<5	<0.2	0.48	15	480	5	2.65	<1	6	78	2	1.95	10	0.58	1258	2	0.03	8	680	18	<5	<20	126	0.02	<10	29	<10	6	111
QC DATA:																														
Repeat:																														
1	8R155102	<5	<0.2	0.26	20	65	<5	2.51	<1	6	66	5	1.51	<10	0.53	1332	2	0.02	6	480	26	<5	<20	98	0.02	<10	13	<10	4	92
10	8R155111	<5	<0.2	0.22	10	115	<5	2.71	<1	5	73	3	1.25	<10	0.30	1154	<1	0.03	3	500	22	<5	<20	131	0.02	<10	14	<10	5	88
Resplit:																														
1	8R155102	<5	<0.2	0.24	15	65	<5	2.63	<1	6	72	3	1.44	<10	0.57	1389	<1	0.02	6	470	22	<5	<20	100	0.03	<10	11	<10	5	78
Standard:																														
PB129a			11.9	0.79	20	65	<5	0.46	59	7	11	1415	1.56	<10	0.66	368	3	0.03	6	410	6086	15	<20	33	0.04	<10	19	<10	<1	9909
SE29		590																												

Au: 30g FA - AA Finish
ICP : Aqua Regia Digest - ICP/AES Finish
Ag : Aqua REgia Digest- AA Finish
JJ/nw
df/1176s
XLS/07

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www.ecotechlab.com

CERTIFICATE OF ASSAY AW 2008-8064

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

4-Jul-08

No. of samples received: 30
Sample Type: Core
Project: TINTA
Shipment #: 2008TIN003A
Submitted by: Twila Skinner

ET #	Tag #	Au (g/t)	Au (oz/t)	Ag (g/t)	Ag (oz/t)	Pb (%)	Zn (%)
2	8R154213	1.29	0.038	103	3.00		7.50
3	8R154214	3.00	0.087	142	4.14	4.98	5.24
6	8R154217	1.01	0.029	94.3	2.75		7.55
13	8R154224	1.34	0.039	100	2.92		7.59
16	8R154227						2.47
22	8R154233	1.29	0.038	102	2.98		7.66
25	8R154236	1.31	0.038	104	3.03		7.43
26	8R154237			39.7	1.16		1.23
29	8R154240	1.26	0.037	68.0	1.98		3.64
QC DATA:							
Repeat:							
3	8R154214	2.90	0.085				
Standard:							
PB129				23.9	0.70	1.23	2.01
OXI67		1.83	0.053				

JJ/nw
XLS/08

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

4-Jul-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- 8064
Total Digest

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

No. of samples received: 30
Sample Type: Core
Project: TINTA
Shipment #: 2008TIN003A
Submitted by: Twila Skinner

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	8R154212	140	2.8	6.76	35	1345	<5	0.79	56	4	109	272	1.44	3.04	<10	0.35	1286	3	0.20	6	370	1430	90	<20	76	0.16	<10	37	<10	3	3290
2	8R154213	>1000	>30	0.88	<5	25	80	0.75	172	128	23	7634	>10	<0.01	<10	2.16	897	32	0.16	41	150	8156	15	<20	5	0.03	<10	<1	<10	1	>10000
3	8R154214	>1000	>30	3.56	185	115	295	0.13	392	17	139	9780	4.37	1.22	<10	0.10	681	31	0.17	5	280	>10000	805	<20	37	0.10	<10	36	<10	2	>10000
4	8R154215	220	6.4	6.84	40	135	<5	0.18	48	10	98	540	4.42	2.16	<10	0.19	480	4	0.21	10	490	1688	120	<20	40	0.18	<10	49	<10	3	4651
5	8R154216	<5	0.6	7.19	15	1040	<5	1.04	<1	4	86	22	1.50	3.87	40	0.32	308	2	2.07	7	460	32	<5	<20	278	0.19	<10	24	<10	15	50
6	8R154217	>1000	>30	3.15	80	155	155	0.43	429	33	88	6476	9.61	1.16	<10	0.32	>10000	30	0.15	16	410	6474	720	<20	100	0.11	<10	44	<10	8	>10000
7	8R154218	<5	1.4	8.33	30	1225	<5	0.34	17	9	77	43	3.13	3.66	10	0.42	2058	3	0.24	10	580	616	30	<20	79	0.18	<10	57	<10	5	3572
8	8R154219	30	4.4	7.60	30	720	15	1.24	6	6	110	330	2.06	3.84	<10	0.48	1894	<1	0.21	7	460	439	45	<20	63	0.18	<10	44	<10	3	792
9	8R154220	<5	<0.2	6.69	15	970	<5	0.91	<1	4	87	16	1.49	3.52	30	0.32	304	2	2.15	8	470	32	<5	<20	223	0.19	<10	21	<10	14	72
10	8R154221	35	1.2	8.18	15	615	<5	1.35	7	9	103	212	2.42	3.15	<10	0.59	2135	2	0.19	9	660	212	35	<20	102	0.25	<10	65	<10	6	1346
11	8R154222	<5	<0.2	8.13	15	1415	<5	3.09	<1	9	94	2	2.57	2.49	10	0.75	848	<1	1.87	11	700	65	5	<20	479	0.20	<10	75	<10	11	162
12	8R154223	<5	0.2	8.15	20	1340	<5	1.13	2	4	78	6	1.39	2.55	<10	0.40	1064	<1	0.19	5	460	123	20	<20	92	0.16	<10	34	<10	4	571
13	8R154224	>1000	>30	0.90	<5	25	70	0.71	162	122	22	7617	>10	<0.01	<10	2.18	923	31	0.17	40	150	8136	15	<20	5	0.03	<10	<1	<10	1	>10000
14	8R154225	<5	0.4	7.95	25	1305	<5	1.56	3	3	88	14	1.55	2.43	<10	0.50	1842	<1	0.16	6	470	979	20	<20	81	0.16	<10	30	<10	3	718
15	8R154226	<5	<0.2	7.11	15	1100	<5	0.93	<1	4	87	20	1.40	3.00	40	0.36	322	1	2.23	8	420	32	<5	<20	280	0.20	<10	26	<10	17	69
16	8R154227	270	17.6	6.33	155	100	45	0.87	202	12	98	214	4.95	2.53	<10	0.36	1379	27	0.21	12	350	7766	135	<20	33	0.12	<10	30	<10	3	>10000
17	8R154228	20	1.0	8.11	45	955	<5	0.98	6	4	96	26	1.41	3.01	10	0.45	1168	<1	0.20	5	390	1141	15	<20	73	0.13	<10	34	<10	4	1317
18	8R154229	<5	0.4	>10	35	700	<5	0.87	4	2	89	32	1.03	2.17	<10	0.31	895	<1	0.18	5	400	486	20	<20	66	0.16	<10	29	<10	3	938
19	8R154230	15	0.4	>10	65	130	<5	1.64	<1	8	94	2	2.28	0.72	10	0.46	1129	<1	0.29	12	780	72	25	<20	98	0.38	<10	91	<10	8	259
20	8R154231	65	5.4	8.13	75	715	<5	1.66	33	10	147	244	3.42	2.82	10	0.72	3012	3	0.24	13	630	4048	60	<20	86	0.19	<10	75	<10	6	4505
21	8R154232	<5	<0.2	6.76	20	1110	<5	1.05	<1	4	98	24	1.67	3.41	40	0.37	335	2	2.26	8	520	58	<5	<20	303	0.21	<10	29	<10	18	82
22	8R154233	>1000	>30	0.90	<5	25	80	0.75	170	127	22	7687	>10	<0.01	<10	2.16	915	36	0.19	42	150	8148	10	<20	5	0.03	<10	<1	<10	1	>10000
23	8R154234	<5	<0.2	8.44	20	1815	<5	1.71	<1	9	82	8	2.31	2.31	10	0.47	739	<1	1.89	9	710	90	15	<20	441	0.25	<10	74	<10	6	389
24	8R154235	<5	0.6	7.72	10	1225	<5	2.28	6	6	68	14	2.35	3.21	10	0.70	2055	<1	1.44	8	600	1336	<5	<20	183	0.19	<10	64	<10	6	1434
25	8R154236	>1000	>30	0.86	5	25	75	0.73	168	128	23	7599	>10	<0.01	<10	2.19	919	36	0.16	40	150	8196	15	<20	6	0.03	<10	1	<10	1	>10000

ECO TEC. .BORATORY LTD. ICP CERTIFICATE OF AN. .IS AW 2008- 8064TD Bushmaster Exploratic

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
26	8R154237	700	28.6	7.54	15	210	120	0.52	102	18	138	713	3.88	2.81	<10	0.49	2328	12	0.19	10	500	8440	40	<20	77	0.18	<10	36	<10	2	>10000
27	8R154238	810	9.4	7.67	15	795	<5	1.77	62	7	94	783	3.10	2.79	<10	0.79	2742	8	0.23	7	480	5018	30	<20	82	0.17	<10	37	<10	6	8377
28	8R154239	5	<0.2	6.83	15	1055	<5	1.00	<1	4	90	18	1.65	2.97	40	0.38	343	2	2.15	7	490	30	<5	<20	288	0.20	<10	30	<10	18	91
29	8R154240	>1000	>30	4.10	15	120	225	0.51	298	12	120	1549	1.66	1.90	<10	0.18	599	30	0.13	6	190	8582	315	<20	44	0.08	<10	20	<10	2	>10000
30	8R154241	<5	0.4	8.12	15	880	<5	1.69	6	4	72	11	1.79	1.71	10	0.46	2066	<1	1.49	5	470	724	10	<20	237	0.20	<10	36	<10	4	1373
QC DATA:																															
Repeat:																															
1	8R154212	155	3.0	6.76	25	1275	<5	0.77	50	4	100	273	1.37	3.00	<10	0.35	1271	3	0.18	5	340	1470	80	<20	75	0.14	<10	37	<10	3	3347
10	8R154221	35	1.0	8.30	20	605	<5	1.40	8	9	105	211	2.48	3.08	<10	0.58	2091	2	0.20	10	690	223	45	<20	103	0.25	<10	64	<10	6	1325
16	8R154227	260																													
19	8R154230	5	0.2	>10	60	130	<5	1.66	<1	10	94	2	2.37	0.69	10	0.45	1088	<1	0.30	13	800	76	25	<20	94	0.39	<10	86	<10	8	272
26	8R154237	730																													
27	8R154238	820																													
Resplit:																															
1	8R154212	120	3.0	7.06	25	1275	<5	0.75	57	4	99	234	1.48	2.88	<10	0.34	1290	3	0.15	5	360	1513	90	<20	69	0.16	<10	35	<10	3	3346
Standard:																															
Stsd3			0.6	5.81	20	1350	<5	2.36	<1	16	58	40	4.11	1.37	30	1.24	2509	5	1.02	30	1710	50	<5	<20	249	0.29	<10	114	<10	30	206
SE29		595																													

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

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

JJ/nw
df/td0709as
XLS/07

-ep-08

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
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Phone: 250-573-5700
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ICP CERTIFICATE OF ANALYSIS AW 2008-8288

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

No. of samples received: 35
Sample Type: Core
Project: Tinta
Shipment #:2008TIN003B
Submitted by: T.Skinner

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	8R154712	<5	<0.2	0.30	35	65	<5	1.31	6	12	57	11	2.01	<10	0.38	2814	<1	<0.01	7	950	24	<5	<20	12	0.03	<10	23	<10	2	3328
2	8R154713	<5	<0.2	0.28	60	715	<5	2.11	<1	3	65	1	1.46	<10	0.38	1389	1	0.01	5	540	16	<5	<20	58	0.02	<10	11	<10	3	224
3	8R154714	<5	<0.2	0.23	40	1005	<5	2.62	<1	<1	72	<1	1.03	<10	0.23	700	<1	0.02	4	470	8	5	<20	170	<0.01	<10	10	<10	4	77
4	8R154715	<5	<0.2	0.22	45	660	<5	2.47	<1	<1	74	<1	1.00	<10	0.44	591	<1	0.02	5	430	10	5	<20	92	<0.01	<10	9	<10	3	75
5	8R154716	<5	<0.2	0.36	65	1180	<5	2.57	<1	<1	79	<1	1.38	<10	0.53	590	<1	0.03	7	530	10	<5	<20	128	<0.01	<10	17	<10	2	87
6	8R154717	<5	<0.2	0.34	75	195	5	2.37	<1	6	72	<1	1.65	<10	0.42	644	<1	0.03	7	550	12	<5	<20	74	0.01	<10	18	<10	4	100
7	8R154718	<5	<0.2	0.29	80	285	<5	2.00	<1	4	56	<1	1.26	<10	0.52	713	1	0.01	4	510	12	5	<20	45	0.01	<10	12	<10	3	97
8	8R154719	10	<0.2	0.30	90	35	<5	1.89	<1	5	64	9	1.31	<10	0.45	1172	<1	0.01	6	490	58	5	<20	46	0.01	<10	11	<10	3	176
9	8R154720	<5	<0.2	0.49	45	145	<5	1.47	<1	4	74	<1	1.36	<10	0.36	275	1	0.04	5	530	12	<5	<20	82	<0.01	<10	23	<10	4	51
10	8R154721	<5	<0.2	0.47	45	160	5	1.17	<1	4	93	<1	1.13	<10	0.33	271	1	0.04	5	390	14	<5	<20	85	<0.01	<10	17	<10	6	63
11	8R154722	<5	<0.2	0.23	45	225	<5	1.52	<1	3	78	<1	1.00	<10	0.21	458	1	0.03	5	380	10	5	<20	92	<0.01	<10	9	<10	5	65
12	8R154723	<5	<0.2	0.24	75	500	<5	1.70	<1	2	70	25	1.03	<10	0.48	1360	<1	0.01	6	440	278	10	<20	113	0.02	<10	8	<10	4	116
13	8R154724	310	0.9	0.84	40	55	<5	0.61	<1	10	21	3357	3.44	<10	0.38	277	4	0.07	17	220	30	<5	<20	36	0.09	<10	39	<10	3	64
14	8R154725	<5	<0.2	0.52	35	65	<5	0.24	<1	6	87	29	1.54	20	0.33	297	2	0.05	9	450	22	<5	<20	<1	0.07	<10	28	<10	6	40
15	8R154726	<5	<0.2	0.24	50	445	10	2.23	<1	4	75	5	1.28	10	0.36	777	<1	0.02	6	600	12	<5	<20	161	0.01	<10	11	<10	6	76
16	8R154727	<5	<0.2	0.60	40	310	10	2.91	<1	11	70	<1	2.38	<10	0.75	729	1	0.03	11	930	14	<5	<20	228	0.01	<10	27	<10	10	116
17	8R154728	5	<0.2	0.27	85	80	<5	1.26	7	3	76	23	0.84	<10	0.16	931	<1	<0.01	5	400	202	10	<20	35	0.01	<10	10	<10	2	810
18	8R154729	<5	<0.2	0.33	185	25	5	1.14	<1	5	76	<1	1.43	<10	0.29	648	<1	<0.01	6	590	32	5	<20	27	0.01	<10	22	<10	4	113
19	8R154730	<5	<0.2	0.30	270	30	<5	1.01	<1	4	75	<1	1.62	<10	0.27	589	<1	<0.01	5	350	22	5	<20	20	0.01	<10	8	<10	3	143
20	8R154731	5	<0.2	0.35	210	45	<5	1.37	<1	4	62	<1	1.12	<10	0.33	891	<1	<0.01	5	540	14	7	<20	22	0.01	<10	18	<10	3	161
21	8R154732	<5	<0.2	0.52	45	515	<5	2.14	<1	6	81	<1	2.13	<10	0.55	998	1	0.03	10	710	24	10	<20	172	0.02	<10	35	<10	6	134
22	8R154733	<5	<0.2	0.61	50	555	<5	1.45	<1	2	76	82	1.30	<10	0.42	252	22	0.03	6	490	18	<5	<20	342	<0.01	<10	18	<10	2	43
23	8R154734	<5	<0.2	0.38	45	450	<5	1.88	<1	3	72	168	1.18	<10	0.28	282	8	0.03	6	470	14	<5	<20	124	<0.01	<10	16	<10	2	50
24	8R154735	50	0.20	0.33	55	50	10	2.12	7	6	56	33	1.70	<10	0.54	1131	3	0.01	4	530	374	10	<20	79	0.02	<10	18	<10	3	1046
25	8R154736	<5	<0.2	0.32	40	65	5	2.07	<1	6	73	<1	1.58	10	0.46	427	2	0.03	5	600	14	5	<20	118	<0.01	<10	26	<10	3	72
26	8R154737	<5	<0.2	1.25	45	620	5	2.16	<1	10	80	<1	2.86	<10	1.14	646	2	0.04	12	940	24	5	<20	325	0.03	<10	55	<10	8	92
27	8R154738	<5	<0.2	0.35	210	35	<5	1.54	<1	5	68	<1	1.25	<10	0.36	927	<1	<0.01	6	570	12	10	<20	17	<0.01	<10	24	<10	2	160
28	8R154739	<5	<0.2	1.01	40	750	<5	1.95	<1	7	77	<1	2.45	10	0.96	502	2	0.04	11	870	20	5	<20	544	0.02	<10	48	<10	5	75
29	8R154740	<5	<0.2	0.34	20	465	5	2.29	<1	7	77	<1	1.92	10	0.44	467	<1	0.04	9	690	12	<5	<20	215	0.01	<10	35	<10	6	62
30	8R154741	<5	<0.2	1.03	30	755	5	1.79	<1	6	78	<1	2.22	<10	0.83	448	1	0.04	7	750	20	<5	<20	284	0.02	<10	47	<10	6	64

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
31	8R154742	<5	<0.2	0.34	30	445	5	1.88	<1	3	71	<1	1.41	10	0.53	796	1	0.02	6	520	14	5	<20	181	0.01	<10	20	<10	4	70
32	8R154743	105	11.2	0.30	65	65	20	1.52	64	9	78	170	1.88	<10	0.45	1502	<1	<0.01	6	290	4638	20	<20	116	0.02	<10	11	<10	<1	7740
33	8R154744	300	0.8	0.88	25	50	<5	0.59	<1	10	20	3402	3.49	<10	0.37	263	4	0.07	17	190	38	<5	<20	38	0.10	<10	40	<10	5	69
34	8R154745	<5	<0.2	0.57	35	70	<5	0.22	<1	5	94	31	1.44	20	0.33	288	1	0.06	8	440	22	<5	<20	<1	0.08	<10	27	<10	8	45
35	8R154746	<5	<0.2	0.27	20	265	<5	1.40	<1	4	75	10	1.49	<10	0.44	956	1	0.02	5	630	12	<5	<20	122	0.01	<10	11	<10	4	103
QC DATA:																														
Repeat:																														
1	8R154712	<5	<0.2	0.30	35	75	<5	1.31	6	11	56	11	1.98	<10	0.39	2763	<1	<0.01	6	960	22	<5	<20	15	0.03	<10	22	<10	3	3003
10	8R154721	<5	<0.2	0.46	35	155	<5	1.17	<1	4	89	<1	1.11	<10	0.32	262	<1	0.04	6	400	10	<5	<20	79	<0.01	<10	16	<10	4	59
19	8R154730	<5	<0.2	0.32	255	30	<5	1.03	<1	4	75	<1	1.66	<10	0.29	601	1	<0.01	6	340	18	5	<20	16	<0.01	<10	9	<10	<1	146
24	8R154735	45																												
32	8R154743	110																												
Resplit:																														
1	8R154712	10	<0.2	0.30	25	75	5	1.33	7	11	54	15	2.02	10	0.39	2782	<1	<0.01	6	960	22	<5	<20	16	0.03	<10	22	<10	3	3325
Standard:																														
Pb129a			11.9	0.86	20	75	<5	0.47	58	6	11	1419	1.58	<10	0.65	370	2	0.03	5	420	6148	20	<20	39	0.04	<10	18	<10	<1	9951
Se29		590																												

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

JJ/ap
df/6169S
XLS/07

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

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V2C 6T4

Phone: 250-573-5700
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ICP CERTIFICATE OF ANALYSIS AW 2008-8289

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

No. of samples received: 27
Sample Type: Core
Project: TINTA
Shipment #:2008TIN003C
Submitted by: T.Skinner

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al%	As	Ba	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	La	Mg%	Mn	Mo	Na%	Ni	P	Pb	Sb	Sn	Sr	Ti%	U	V	W	Y	Zn
1	8R154747	<5	<0.2	0.20	20	530	<5	2.00	<1	2	93	4	1.04	<10	0.39	824	<1	0.03	4	370	11	<5	<20	154	0.02	<10	7	<10	3	58
2	8R154748	<5	<0.2	0.20	5	345	<5	1.66	<1	2	89	2	1.09	<10	0.28	374	<1	0.04	4	390	7	<5	<20	160	0.01	<10	9	<10	2	44
3	8R154749	<5	<0.2	0.24	<5	260	<5	1.91	<1	3	80	1	0.98	<10	0.29	317	<1	0.03	<1	380	7	<5	<20	229	0.01	<10	7	<10	2	31
4	8R154750	<5	<0.2	0.96	10	225	5	2.44	1	7	73	1	2.09	<10	0.80	488	4	0.03	9	610	13	5	<20	250	0.02	<10	32	<10	5	67
5	8R154801	<5	<0.2	0.33	5	355	<5	2.38	<1	3	80	1	1.10	<10	0.37	422	<1	0.03	3	370	4	<5	<20	259	0.05	<10	10	<10	4	37
6	8R154802	<5	<0.2	0.53	10	80	<5	0.24	<1	5	88	23	1.50	20	0.33	287	1	0.06	6	430	22	<5	<20	2	0.06	<10	28	<10	5	36
7	8R154803	<5	<0.2	0.58	<5	150	<5	2.09	1	8	70	<1	2.21	<10	0.64	675	3	0.03	9	660	7	5	<20	146	0.02	<10	25	<10	3	94
8	8R154804	<5	<0.2	0.19	<5	305	<5	2.64	<1	2	86	1	0.87	<10	0.21	600	<1	0.03	2	300	4	<5	<20	157	0.02	<10	8	<10	6	36
9	8R154805	<5	0.9	0.25	<5	75	<5	1.88	20	5	67	17	1.66	<10	0.38	1695	15	0.02	4	380	623	<5	<20	133	0.02	<10	8	<10	1	2650
10	8R154806	10	0.7	0.29	<5	520	<5	2.06	9	3	58	15	1.39	<10	0.28	1140	6	0.03	4	490	530	<5	<20	171	0.02	<10	12	<10	3	1244
11	8R154807	<5	<0.2	0.40	<5	850	<5	2.21	<1	1	72	<1	1.44	10	0.36	639	<1	0.03	6	480	9	<5	<20	231	0.01	<10	16	<10	5	86
12	8R154808	<5	<0.2	0.47	<5	1275	<5	2.14	<1	<1	66	<1	1.46	<10	0.41	593	2	0.03	5	490	9	<5	<20	262	0.02	<10	18	<10	5	75
13	8R154809	<5	<0.2	0.29	<5	1525	<5	2.52	<1	<1	67	<1	1.36	<10	0.32	631	<1	0.03	4	490	4	<5	<20	363	0.02	<10	13	<10	5	76
14	8R154810	<5	<0.2	0.33	<5	1055	<5	2.29	<1	<1	72	2	1.44	<10	0.31	803	<1	0.03	1	480	70	<5	<20	291	0.08	<10	13	<10	4	205
15	8R154811	300	0.9	0.84	15	65	<5	0.54	1	9	18	3335	3.40	<10	0.38	265	5	0.06	15	210	35	<5	<20	34	0.09	<10	37	<10	2	74
16	8R154812	<5	<0.2	0.54	<5	945	<5	1.89	<1	2	69	27	1.52	<10	0.37	683	1	0.04	5	480	7	<5	<20	228	0.02	<10	19	<10	4	87
17	8R154813	10	<0.2	0.26	5	355	<5	3.24	3	4	61	5	1.49	<10	0.59	1471	2	0.03	5	410	117	<5	<20	226	0.02	<10	10	<10	4	415
18	8R154814	5	<0.2	0.28	<5	380	<5	2.68	<1	2	71	1	1.11	<10	0.24	885	<1	0.03	4	460	11	<5	<20	210	0.02	<10	11	<10	4	77
19	8R154815	5	<0.2	0.32	10	1070	<5	1.95	<1	<1	77	1	1.10	<10	0.26	545	<1	0.03	4	390	20	<5	<20	224	0.01	<10	11	<10	3	71
20	8R154816	<5	<0.2	0.34	<5	910	<5	1.72	<1	<1	83	<1	1.11	<10	0.25	509	<1	0.03	4	380	9	<5	<20	255	0.01	<10	10	<10	4	63
21	8R154817	5	<0.2	0.52	10	585	<5	1.26	<1	2	84	<1	1.32	<10	0.37	313	2	0.04	4	400	9	<5	<20	168	0.01	<10	17	<10	3	66
22	8R154818	5	<0.2	0.28	5	665	<5	1.49	<1	<1	90	<1	0.89	<10	0.20	410	<1	0.04	3	280	9	<5	<20	152	<0.01	<10	9	<10	2	51
23	8R154819	20	<0.2	0.23	<5	855	<5	2.06	5	<1	79	2	1.06	<10	0.27	1039	3	0.03	3	300	246	<5	<20	156	0.02	<10	8	<10	2	598
24	8R154820	5	<0.2	0.29	10	640	<5	1.43	<1	<1	84	<1	0.89	<10	0.20	387	<1	0.04	4	280	11	<5	<20	146	0.01	<10	8	<10	1	54
25	8R154821	<5	<0.2	0.24	<5	650	<5	1.79	<1	<1	92	<1	0.65	<10	0.11	622	<1	0.04	2	230	18	<5	<20	150	0.01	<10	5	<10	1	46
26	8R154822	<5	<0.2	0.27	<5	1040	<5	1.98	<1	<1	83	<1	0.87	<10	0.14	783	<1	0.03	3	290	22	<5	<20	189	0.01	<10	7	<10	2	53
27	8R154823	<5	0.3	0.45	5	370	<5	1.20	<1	2	87	<1	1.07	<10	0.27	291	1	0.04	3	320	9	<5	<20	116	0.01	<10	12	<10	2	49

Et #.	Tag #	Au(ppb)	Ag	Al%	As	Ba	Bi	Ca%	Cd	Co	Cr	Cu	Fe%	La	Mg%	Mn	Mo	Na%	Ni	P	Pb	Sb	Sn	Sr	Ti%	U	V	W	Y	Zn
QC DATA:																														
Repeat:																														
1	8R154747	<5	<0.2	0.22	10	540	<5	2.02	<1	2	95	3	1.05	<10	0.41	838	<1	0.03	3	360	11	<5	<20	164	0.02	<10	7	<10	3	66
10	8R154806	5	0.6	0.30	<5	540	<5	2.05	10	2	59	17	1.38	<10	0.28	1137	6	0.03	4	490	561	<5	<20	176	0.02	<10	13	<10	3	1264
19	8R154815	<5	<0.2	0.33	<5	1120	<5	1.93	<1	<1	78	<1	1.10	<10	0.26	535	<1	0.03	4	400	18	<5	<20	224	0.01	<10	11	<10	3	63
Resplit:																														
1	8R154747	<5	<0.2	0.22	15	505	<5	2.02	<1	2	87	4	1.02	<10	0.43	796	<1	0.03	2	370	9	<5	<20	161	0.03	<10	7	<10	3	54
Standard:																														
Pb129a			12.3	0.80	15	65	<5	0.46	55	6	11	1407	1.53	<10	0.67	349	4	0.03	9	430	6196	15	<20	36	0.03	<10	17	<10	<1	9892
Se29		600																												

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

JJ/ap
df/8289S
XLS/07

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

Appendix 2

Cross Sections and Interpretation for Drill Holes TH08-13, 14 and 15

Geology Drill Log Tinta 2008

Logged By: Elise Morin / Twila Skinner/S. Hasek

Date(s) Logged: 6/8/2008 to 8/5/2008

UTM E: 396388

Hole: TH08-13

Target: Main Tinta Vein

Core Size: NTW

UTM N: 6908050

Azimuth: 212

Dip: -50

Total Depth: 222.5m

Elevation: 1205

Lithology								Alteration		Mineralization			Sampling			
Depth From (m)	Depth To (m)	Rock Unit	Texture	grain size (mm)	Rock unit mineral	mineral vol %	Description	Mineral or alteration type	alt int. (w,m,i)	mineral	mineral vol %	mineral texture)	From (m)	To (m)	Sample #	Sample description
1.1	1.9	OVBN						Note: Elise and Twila logging								
1.9	34.2	Qtz Monz	Xtalline	1-3	Feld	65	1.86-9.56m - Lim rich qtz monzo. Feldspar grains and phenos completely altered to clay (prob. Kaol). Lim rich. Blotches of ser alt qtz monzo alternating w lim rich qtz monzo w stockwork of lim filled fractures. Rock silicified in places (~10cm sections).	Chl	I	Lim	20	Coating, Pervasive				
					Qtz	10		Kaol	I							
					Chl	20		Ser	I							
					Bio	5		Sil	W-M							
			Xtalline	1-3	Qtz	10-20	9.56-34.2m - qtz content fluctuates btw 10 and 20%. Some localized segregation/banding @ CA= 35 degrees. K-feld phenos start appearing @ 27.2m (size: 0.5-1.8cm)									
34.2	38.2	Diorite Dyke	Granular				upper contact unkown as a result of blocky and broken core; lower contact sharp @35CA. Kspar phenos up to 0.5cm; secondary hem stringers sporatic throughout; xcut each other veinlets; ser stringers throughout @ various orientations but dominantly @~// to sub// to CA and 45tCA; 60%felsics/ 40%mafics.									
38.2	55.0	Qtz Monz					same as above @34.2-38.2m w lt green ser veinlets/stringers and fracture planes typically @40-50 tCA.									
		Diorite Dyke					39.5-40.1m - as above @ 34.2-38.2; upper contact @ 45tCA; lower contact 35tCA.									
							40.1-55.0m - Same as 9.56-34.2; sxns throughout with more felsics but average, same as above.									
55.0	57.9	Diorite dyke		1-3			Upper contact has 10cm of chlorite alteration w some ser; some weak hematite staining. UC @ 70 degrees TCA; ser stringers throughout that cut the banding/segregation of felsic/mafic minerals ser (?) perpendicular to core axis; banding segregation @ 35 degrees TCA (banding from 55.0 to 55.7m); 55.7-56.0m blebe of QM @ 25 degrees TCA; qtz/plag mm veinlets sporadically throughout at ~ 35 degrees TCA. LC undulating and ~45 degs TCA	mafic	30					57.9		
								felsic	70							
								ser	tr							

Lithology								Alteration		Mineralization				Sampling				
Depth From (m)	Depth To (m)	Rock Unit	Texture	grain size (mm)	Rock unit mineral	mineral vol %	Description	Mineral or alteration type	alt int. (w,m,i)	mineral	mineral vol %	mineral texture)		From (m)	To (m)	Sample #	Sample description	
57.9		QM					as above @ 9.56-34.20m; phenocrysts up to 2cm; 57.9-64.2m phenocrysts; 64.3-72.9m rare phenocrysts; 72.9m large phenocrysts												
							72.1-75.8m ser stringers throughout @ various angles											
57.9	80.6	QM	xtalline	1-3	qtz	10-20	Light grey/white QM w k-spar phenos 0.5-1.5cm similar to 27.2-34.2m w localized seg/band of mafics vs felsics @ 35deg TCA.	Note: Sarah Hasek now logging (description overlap)										
							58.2-58.4m - qtz, k-spar and mafics bleb w some large qtz grains (1-4cm)											
							69.3-72.0m - increase in mafics w no k-spar phenos. Contact @ 35 degrees TCA w some bands of the light grey/white QM. Veinlets of hem 60-65 TCA. 72.0m											
							72.0m - 3cm band. Increase in chl alt. 25 degrees TCA											
							73.2-73.5m - increase in chl stringers											
							74.8-76.9m - bands of increased si, veinlets of chl and epi 50-55 degs TCA											
							76.9-77.3m - Alt QM "buff coloured" w lim staining. K-spar phenos still present. Hem veinlets at 77.3m.	arg	w									
							77.3-80.6m - QM w increased chl diss. Stringers of qtz + hem 20 & 40 degrees TCA. 1cm deformed veins of chalcedonic qtz + k-spar. Lim stain on fract surface. Gradational increase in arg alt at bottom contact	chl	w									
80.6	81.8	Alt QM	xtalline	1-3	qtz	10	"Buff" alt QM w increase in arg alt and ser w stringers of chl and hem.	arg	m-i									
					feld	70	81.2 - 1cm deformed qtz + plag vein w chl gouge on fract surface. 45 TCA. Veinlets of chl cross cutting vein w tr sx	chl		sx	tr							
					mafics/ chl	20												
							81.4-81.8m - increase in chl diss w 1% diss sx and along stringer of chl. Bottom contact 25 TCA											
81.8	93.2	QM	crystalline	1-3	Qtz	10-20	Light to medium grey QM w alternating zones of mafics vs felsics. Felsic zones have 0.5-1.5cm k-spar phenos. Veinlets of chl+epi and ser. 55TCA											
					Flds	50												
					Mafics	30-40	Mafics include chl, hbl, and bio											
								Note: Elise Morin now logging										
					Note: changed my way of logging half way down the log because thought it better to name QM Qtz													

Lithology								Alteration		Mineralization			Sampling			
Depth From (m)	Depth To (m)	Rock Unit	Texture	grain size (mm)	Rock unit mineral	mineral vol %	Description	Mineral or alteration type	alt int. (w,m,i)	mineral	mineral vol %	mineral texture)	From (m)	To (m)	Sample #	Sample description
							diorite after looking at percentage of mafics in rock and discussing with other. Original log will therefore say Qtz diorite instead of Qtz monzonite. I have however decided to enter in the digital log QM for qtz diorite AND QM to keep all logs consistent. I switched back to calling our main rock type qtz monzonite after another discussion we had with Fabrizio									
							Ser replacement of K-feldspar phenos (complete breakdown) from 90.03 to 90.60m in zone of high ser veinlet concentration; veinlets ~1mm, running @ CA=30-40 degrees								
							Fract trend from 90.03 to 91.14m, running at CA=40 (ser coated)								
							Contact btw QM (top) and mozonite (bottom) @ 93.2m, CA=35								
93.20	94.26	QM			qtz	15	Ser veinlets running @ CA=20-40, from 94 to 94.21m (3 veinlets)	chl	w							
					Amph	20		clay	w							
					K-feld	10		kaol	m							
					Plag	55		ser	w							
94.26	94.54	Diorite					Diorite intrusion from 94.26-94.54m. UC=30, LC=30. Grains <= 1mm wide except for a few feld phenos 2mm wide. Top of intrusion cut by ser/clay veinlet running @ CA=70 (@ depth 94.24m)									
94.54	106.05	QM			qtz	15	From 99.45 to 100.73, mineral proportions change to: qtz 25%, mafics 10%, feld 65%.									
					mafics	20										
					K-feld	15	Intensely fractured QM from 96.25 to 98.8m with chl, hem, and ser veinlets. Carb veinlets with dark brown mixed with carb (and vugs, and some clasts from host rock) running @ 96.27m and 97.28m with respective CA of 10 and 30 degrees. Second carb vein is crosscutting carbonate veinlet running @ CA=70 degrees, depth: 97.30m									
					Plag	50										
							Large hem and chl vein running @ CA=20 degrees, depth: 101.60m. Width: 1.8cm									
106.05	108.50	Alt QM					Hem, ser alt QM from 106.05 to 107.9m with clay, ser, and chalcedony veinlets running throughout.	hem	w							
								chl	w							
								ser	i							
								clay	m-i							

Lithology								Alteration		Mineralization			Sampling			
Depth From (m)	Depth To (m)	Rock Unit	Texture	grain size (mm)	Rock unit mineral	mineral vol %	Description	Mineral or alteration type	alt int. (w,m,i)	mineral	mineral vol %	mineral texture)	From (m)	To (m)	Sample #	Sample description
							Intensely clay and ser alt QM with multiple ser stringers from 107.9 to 108.18m, with dissem py and dark sx starting to appear gradually in rock starting at 107.37m. Three types of alteration: white clay (alt felds), brown clay (mafics alt?), and ser (in veinlets and pervasive). From 107.82 to 108.18m, ser alt becomes intense and proeminent, with brown clay and ser alt only.	clay	i	Py	tr	dissem				
								ser	m-i							
							108.18-108.50m - brown clay alteration predominant, with ser alteration also. Thin sx veinlets (1mm) with gal and sph as main components (mainly gal) running @ 40 and 10 degrees TCA.	clay	i							
								ser	m							
								Sil	m							
108.50	108.58	Vein					CA=50. Depth: 108.54m. Width: 8cm. Texture: banded/brecciated. Ground up sx zone from 208.5 to 108.51m - sand and gravel sized frags composed of Py, dark sx, qtz, and pieces of brown alt host rock.			Gal	1	patches				
										Cpy	2	patches				
							Vein compo: Gal 1%, Cpy 2%, Py 10%, Sph tr, Dk sx 10%, Ser 10%, Clay 25%, sil 51%			Py	10	patches				
										Sph	tr	patches				
							Bands made of ser, sil dark sx with ser clasts and brecciated cendtral band made of sil clay (?) - brown coloured, doesn't fizz.			dk sx	10	patches				
108.58	109.30	Alt QM					Heavily ser alt QM, texture completely destroyed; heavily fractured in places. Caly alteration as well. Multiple ser filled fractures. Thin (<1mm)dk sx and py veinlets "emanating" from vein described above from 108.58 to 108.68m. Sph veinlet remnant (~1mm) @ 108.82m. Fresh dissem py (tr) throughout this section.	clay	m	Py	tr	dissem				
								ser	i							
109.30	109.87	Alt QM					Vein @ 109.32m. Mineral proportions: ser:80%, clay:10%, qtz: 10%. CA=40 Partially texturally destroyed QM. Clay alt intense, ser alt rel weak (w to m). Dissem Py patches, [patches] darkened.	clay	i	Py	1	dissem/patches				
								ser	w-m							
109.87	110.70	Alt QM					Texture completely destroyed by heavy ser alteration. Py patches (up to 2cm) @ 109.94m and Py (<1%) dissem throughout.	clay	m	Py	1	localized Py patches /dissem				
								ser	i							
							From 110.11 to 110.70m, qtz-carb-py veinlets running though unit. Ground up "slip zone" @ 110.40m, CA=30. Ser fract filling throughout.									
110.70	113.45	Alt QM					QM heavily altered to clay and ser with K-feld phenos (1mm to 3cm widths) completely altered to ser. Ser and clay veinlets running through unit @ roughly CA=25-50 degrees. Dissem pY throughout, as dissem <= 1mm patches	clay	i	Gal	tr	dissem				
								ser	i	Py	<1%	dissem/patches (<=1mm)				
								sil	w							

Lithology								Alteration		Mineralization			Sampling			
Depth From (m)	Depth To (m)	Rock Unit	Texture	grain size (mm)	Rock unit mineral	mineral vol %	Description	Mineral or alteration type	alt int. (w,m,i)	mineral	mineral vol %	mineral texture)	From (m)	To (m)	Sample #	Sample description
							Ground up zone w sand and pebbles @ 112.33m, running @ CA=35 (width: 1cm), and other ground up zone @ 112.34m, running @ CA=15; width: 1.5cm.									
113.45	114.00	Alt QM					Same rock unit as above except larger Py patches and greater Py concentration in this zone (patches <1mm to 2mm wide). Qtz vein remnants also present in this interval, carrying patches of Py, Gal (minor), and Sph (minor). <1mm Py veinlets as well.			Py	2	patches and vein				
										Sph	tr	vein				
										Gal	tr	vein				
114.00	114.18	Vein Zone					From 114 to 114.11m, area of ground-up qtz and py cubes <1mm (Py makes up ~20% of ground-up zone). UC=70 TCA, LC=60 TCA. Vein: brecciated. Banded. Dolomite infill. Width: 4cm. Mineral proportions: ser-30%, gal-1%, dol-2%, sil-32%, Sph-5%, dk sx-10%, Py-20%.			Py	10	dissem/vein				
										Gal	tr	vein				
114.18	114.32	Alt QM					Highly alt and sil QM with heavy brown clay alt, lesser ser alt, with dissem Py (~1%)	clay	i	Py	i	dissem				
								ser	m							
								sil	i							
114.32	115.49	Alt QM					From 114.32 to 114.97m: heavy white clay alt of QM with sericite veinlets. Mafics seemingly altered to brown clay already mentioned in earlier sections. Fractures moderate to intense, with ser infill, running roughly parallel to CA									
							From 114.97 to 115.49m, hem stained QM with moderate clay and intense chl alteration of felds and mafics respectively. Mafics also seem to be altered to some type of mica? (light blue). Also, mafics alter producing speckly yellow clay.	hem	i							
								clay	m-i							
115.49		Alt QM					QM with weak to mod. Alt. K-feld phenos throughout; size: 1mm to 2cm.	hem	w-m							
							Hem alteration moderate from 114.97 to 115.49m, and from 116.4 to 117.3m. Carbonate/serecite vein/fracture fill wobbling roughly parallel to CA from 116.4 to 118.52m. Width: 1cm. Some ser alteration in QM around vein - very localized.	clay	w-m							
								ser	w-m							
							Feldspar bands @ 120.35m to 120.70m, running @ 50 TCA; with QM grains also aligned in some fashion (50 TCA). Other feldspar band @ 45 TCA, depth: 128.92m, width: 1.3m									
							Healed breccia zone from 127.68 to 128.02m. Hem and clay cement between QM frags, angular, frag size: <1mm to 6cm. Sometimes more of a stockwork than a breccia in certain zones. At 128.02m, vein and gouge zone both running @ 40 TCA.									

Lithology								Alteration		Mineralization				Sampling				
Depth From (m)	Depth To (m)	Rock Unit	Texture	grain size (mm)	Rock unit mineral	mineral vol %	Description	Mineral or alteration type	alt int. (w,m,i)	mineral	mineral vol %	mineral texture)		From (m)	To (m)	Sample #	Sample description	
							Chl/Qtz vein @ 128.02m, width: 1.7cm, carrying Py 1%, Gal tr, and calcite slivers. Gal is dissem in <1mm patches and Py is expressed as <1mm veinlets. In the center of this vein zone, gouge zone 8mm wide with trace galena and py and a lot of crushed qtz and some chl. Sand to coarse sand sized gouge [material]. Mineral composition: Py 1%, gal tr, chl 60%, cal 18%, qtz 20%. Depth: 128.02m, width: 1.7cm. CA=40.			py	1	vein						
										gal	tr	vein						
							Offset in hem/chl veinlets @ 128.28m, reverse movement. Offset: 1cm. Veinlets running @ 45 TCA, fracture offsetting them running @ 30 TCA.										
							From 128.1 to 143.26m, fairly homogeneous QM with alternating sections of more mafic rich rock and other sections of more silicified k-spar rich QM w k-spar phenos.										
							Contact btw more sil and k-spar rich QM and more mafice enriched QM @ _____ with UC=40, LC=50. Prob from same magma chamber (Svetlana) but emplacement of more mafic phase near felsic phase due to inner reworking of magma chamber. Contact has xtals from felsic rock impeding in mafic rock (mafic emplaced near felsics)										
							Ser veinlet running @ 137.86m, w CA=_____ w ser alt halo of about 4.5cm.										
							Thin epidote veinlets start appearing in QM @ 141.72m (width <1mm). Their CA=45-50. Some of these are an assemblage of epidote and clay, others carb w minor epi and others hem, carb, & epi.										
							Carb veinlet remnants @ 142.9-143.25m	Note: oriented core needs to be revisited and lines either drawn or re-drawn										
143.25	145.28	Alt QM					K-spar rich QM w partial loss of texture. Mafics follow preferred orientation running @ CA=40. UC between rel unaltered QM above and k-spar rich sil QM below: CA=30. Ser veinlets appear in this interval (<=1mm) @ constant angles to core, following fract trend also (trend CA=40). Trend oriented. Other stringer trend seen in this interval, w hem, carb, and clay infill (sometimes) compo. These veinlets run @ CA=70. Dissem py throughout section (1%).		(Note: done, EM, Aug 6th 2008)									
145.28	146.37	Alt QM					Same as above, except loss of xtalline texture (very little remains), increased ser and clay alt and no apparent stringer trends. Clay and ser stringers in no preferred orient. Lim coating of some fracture faces @ 146m. Sx patches throughout this section (look more oxidized).											
							Vein: CA=30. Milky qtz 99%, Py 1%. Depth: 145.26m. Width: 5mm. This vein is offset by fractures running @ 15-20 degrees TCA											

Lithology								Alteration		Mineralization				Sampling			
Depth From (m)	Depth To (m)	Rock Unit	Texture	grain size (mm)	Rock unit mineral	mineral vol %	Description	Mineral or alteration type	alt int. (w,m,i)	mineral	mineral vol %	mineral texture)		From (m)	To (m)	Sample #	Sample description
146.37	146.96	Alt QM					Yellow clay altered QM with hem stringers. From 146.7 to 146.96m, rel fresh QM w k-spar phenos	hem	w								
								clay	m								
146.96	147.58						Intense argillic alteration w feldspars completely altered to kaol and minor ser. Brown clay also present throughout unit. Dissem sx as thin dark veinlets and patches. Calcite vein remnants @ 147.34 and 147.51m.	clay	i	dk sx	tr						
								kaol	i	Py	tr						
147.58	147.91	Alt QM					Heavy ser alt QM w dissem ser (Py and dk sx). Smoky qtz offset veinlet running @ 147.90m, CA=80 (roughly).	ser	i	Py	3	dissem					
										dk sx	5	dissem					
147.91	148.35	QM hem alt					Hem alt QM with hem veinlet stockwork from 147.91 to 148.17m. Lesser ser veinlets. Texture of QM almost completely destroyed except in a few spots where alt xtallin texture still seen. Sphene (?) - brown alt clay - also present in this section. No mineralization seen in hem stringers or in clasts. From 148.17 to 148.35m, hem alt lesser and more sphene. Xtaline texture of alt QM better preserved. Veinlet trend throughout this unit and the next (from 148.13 to 148.88m), with chl, ser, minor cal, brown clay, and hem vein fill. Veinlet size ranging from <1mm to 3mm, CA=60-70 degrees.	sph	m	hem	25	stkwk					
								chl	w								
								ser	w-m								
								kaol	w								
							Veins: 25% hem as stkwk, 5% ser skwk/veinlets										
148.35	149.00	QM					Rel fresh QM w chl alt of mafics; with also spotty yellow clay alt (sphene). Veinlet trend same as mentioned above. Occasional feld band. No visible mineralization seen in QM or veinlets.	chl	m-i								
								Sph	w								
							Veins: 2% as clay/hem/chl veinlets	clay	w								
149.00	149.30	m.g. QM					Medium grained QM. Weak hem alt. Ser veinlet presence increases; very few hem veinlets.	chl	w								
								hem	w								
							Veinlets cross-cutting each other in places, offset also by microfractures. No visible mineralization seen in these veinlets BUT, @ 149.3m, when QM alt switches from hem to intense ser and clay alt QM, that's when cal starts to appear in ser veinlets and dissem py can be seen dissem in and around ser + cal+clay veinlets (from 149.3 to 149.35m).	sph	w								
								si	m								
							Veins: ser/chl/clay/cal braided veinlets										
149.30	149.95	Alt QM	xtalline	1-3			Coarse grained kaol alt QM w interval from 149.3 to 149.5m fine to med grained QM. Mafics altered to brown clay mainly with minor chl alt. Weak hem in places. Feldspars altered partially to kaol. Ser and carb clay veinlets abundant from 149.3 to 149.48m and from 149.82 to 149.95m. In this second interval,	kaol	m-i	Py	tr	dissem, veinlets, patches					
								brown clay	i	dk sx	tr	patches					
								Chl	w								

Lithology								Alteration		Mineralization				Sampling			
Depth From (m)	Depth To (m)	Rock Unit	Texture	grain size (mm)	Rock unit mineral	mineral vol %	Description	Mineral or alteration type	alt int. (w,m,i)	mineral	mineral vol %	mineral texture)		From (m)	To (m)	Sample #	Sample description
							qtz/clay/carb veinlets (<1mm) also present, carrying patches of Py. Patches of Py and dk sx @ 149.90m. K-spar phenos completely altered to ser from 149.82 to 149.95m.	hem	w								
								Si	w								
149.95	150.58	Vein zone					Host rock QM with xtalline texture mostly destroyed and patches of Py dissem throughout, w brown clay alt ,ser alt, weak kaol alt. Qtz veinlets and veins running through this zone all mineralized, with gal, sph, cpy, and py. Seems to be two sets of mineralized veinlet/stringer trends, one running at CA=55-60 degrees (major) and the other at CA=40 degrees (minor and offset by other events, including the major vein trend). Overall description of qtz veins carrying mineralization, before large vein: veins at 150m, 150.10, 150.17m, and 150.24m, with widths ranging from from 1 to 4mm. Braided with patchy mineralization. Sometimes cross-cut by hairline qtz/py veinlets. Compo of 4 veins: smoky qtz 48%, Py 40%, Cpy 2%, Sph 6%, Gal 4%. Largest vein @ 150.36m, width: 3cm. Texture: brecciated/banded; w later sil/carb filling brecciating and cross-cutting earlier mineralized smoky qtz fract infill. Mineral compo: cpy tr, Py 5%, Gal 1%, Qtz 38%, cal 40%, Sph tr, host rock slivers.	kaol	w	Py	4	dissem, veinlets, veins				
								clay	i	Gal	tr	veins					
								ser	m-i	Sph	minor	veins					
										Cpy	tr	veins					
							Fault zone, ground-up zone from 150.38 to 150.47m. Lim in there.Composed of slabs of vein material and crushed up ser alt QM (host rock) combined with clay sized clay and pebbles (of QM). General CA of grind zone: 60 degrees.										
							Dissem py and gal (2% combined) from 150.47 to 150.58m in ser and clay alt QM w almost completely destroyed texture										
150.58	151.95	Alt QM					Heavily arg alt QM w weak hem alt from 150.72 to 150. 80m and from 151.42 to 151.70m. Feldspars in QM ~70% alt to kaol. Mafics alt to brown clay. Thin ser and clay (w minor hematite) veinlets running through unit, cross-cutting and displacing each other from 150.58 to 151.50m, replaced by chl veinlets from 151.63 to 151.95m. These chl veinlets contained in QM getting progressively "fresher" downhole. From 151.50 to 151.63m, hem and ser veinlets with possible mineralization (v. fine) - Py.	clay	i								
								kaol	i								
151.95	152.73	QM					Rel fresh QM, w mafics 80% alt to chl. Sphene present (tr). Full of microfractures filled by calcite. Calcite and clay braided hairline veinlets and veins present @ 152 and 152.26m. Vein @ 152.26m has width: 3-5m, composed of clay and calcite, CA=40	chl	m-i								
								Sphene	tr								
152.73	154.32	Alt QM					Leucocratic QM from 152.73 to 153.92m, w fine to med grained xtals and mod hem alt from 152.73 to 153.10m and from 153.92 to 154.32m. Microfractures, veinlet remains, and feld grains contain or have been replaced by calcite (whole rock very reactive with HCl). Some fracture surfaces have limonite. Clay and	sil	w-m	Py?	tr	dissem in hem veinlets (vfg)				
								chl	w	Dk sx?	tr	dissem in host rock					
								sphene	w								

Lithology								Alteration		Mineralization				Sampling			
Depth From (m)	Depth To (m)	Rock Unit	Texture	grain size (mm)	Rock unit mineral	mineral vol %	Description	Mineral or alteration type	alt int. (w,m,i)	mineral	mineral vol %	mineral texture)		From (m)	To (m)	Sample #	Sample description
							hem veinlets (not mixed clay/hem but clay veinlets and hem veinlets) running throughout unit with preferred Ca=55 for clay veinlets and CA=65 for hem veinlets. Poss. v.f.g. dissem Py in hem veinlets. Hem veinlets fractured and offset, sometimes by clay veinlets. Tr dissem dk sx seen @ 154.20m.									
154.32	156.06	QM brx					Hem QM brx. Called crackle breccia by Svetlana. Highly chloritized disturbance zone with hem infill of fractures. Some initial QM texture remains. Lighter green patches in this brx (poss more ser rich) display K-feld pheno or K-feld xtal remnants. Clasts of brx hematite with ser infill sitting in ser outer "coating" @ 154.69m. Clasts angular, width: 4x3cm. Mineralization hard to find - vfg sx (prob py) seen @ 154.55m in a typical zone of "sil clay" (light brown-grey clay), prob some clast itself displaying brx texture (w cal and hem <1mm clasts) and offset by hairline cal veinlet remains. Entire interval contains cal microfractures.	Hem Chl	i i	Dk sx	tr	dark hem fill				
							From 155.45 to 156.06m, intensely hematized zone, w what appears to be very large brx hem clasts w multiple hem veinlets and large angular qtz chunks (size of clasts: 3-30cm). Truncated calcite veinlets within these hem clasts (???)-picture taken. These hem clasts contain black v.f.g. mineralization (identity unknown) in zone of very dark hem infill.									
							Hem clasts lying either near chl rich clasts or inside chl rich host rock. Not sure if there is a "matrix". Sometimes these chl clasts look like there was a later growth of chl and clay inside them, @ at edges shared w hem clasts, and chl growth adopts shape of adjacent hem clast (pic taken). Thin calcite veinlet trend seen @ around 155.8m, w CA=45. Thin calcite veinlet between hem "clast" and chl "clast" @ 155.62m									
156.06	157.46	Alt QM/QM brx					Initial QM texture almost completely lost; some qtz and k-feld grains seen here and there. Heavily ser alt QM. Multiple hem vein fragments, wobbly, general trends (2): 30 degrees being crosscut by other hem veinlet trend going @ 15 degrees.	ser hem	i m-i								
							No visible mineralization. Overall colour - light green. Very thin cal and qtz veinlets remains seen (qtz rare). Would probably also fall under the brx category, but not same texture as hem brx described above.									
							Braided hem/clay zone from 157.09 to 157.46m, trending at CA=35 w large offset along fracture planes trending at CA=30 (offset=3cm). BUT very possible/probable that it was a braided hem vein zone @ first, then offset, then clay hairline veinlets came in - they seem to jump from one portion of the offset zone to the next, into host rock and then back into hem portion of vein - clay veinlets not offset or not as offset.									
157.46	159.37	Alt QM/Brx					Heavily Chl altered and fractured QM with hem fract infill. Stockwork of hem	hem	i	dk sx	tr	dissem vfg in sil zone					

Lithology								Alteration		Mineralization				Sampling			
Depth From (m)	Depth To (m)	Rock Unit	Texture	grain size (mm)	Rock unit mineral	mineral vol %	Description	Mineral or alteration type	alt int. (w,m,i)	mineral	mineral vol %	mineral texture)		From (m)	To (m)	Sample #	Sample description
							veinlets. Pretty much a highly altered breccia. Remnants of QM can be seen, w k-feld+ qtz rich. QM frags fractured and "swimming" in chloritized matrix cut by multiple hem veinlets and these veinlets later offset by fractures. Clumps of braided hairline light brown clay veinlets running @ 30TCA @ 157.94m and @ 50TCA @ 158.77m; seem to also have been affected by later minor fracturing and offset. Reverse offset seen in hem stringers @ 158.76m (doesn't matter which way core is rotated, as long as you know the downhole direction). Offset: 2cm. Clay growth within offset zone...(maybe it did come after last fracturing stage).	chl si ser	i w w-m								
							Silicified zone w increased ser alt and vfg dissem sx from 158.79 to 159.10m. Sx identity unknown. Two cal veinlets running through this unit and intersecting; one running @ 20TCA (earlier event), the other @ 25TCA (later event - crosscuts the one @ 20 TCA). Widths: <1mm to 2mm.									
159.37	163.32	Alt QM					Silicified highly ser alt k-spar rich QM. Xtalline. Texture almost completely lost from 159.37 to 160.67m. Scarse, scattered ~1cm to 3cm hem veinlet remains in this same interval. More brx, stkwrk zone w better preserved xtalline and original aspect of alt QM from 159.10 to 163.32m Qtz veinlets start to appear @ 160.03m, 1mm width, CA=60. Another qtz vein @ 160.17, 2mm wide, CA=60 w tr gal and py, and aureole of dissem ~1mm patches of gal sitting in increased ser band or zone w width=3.5cm. Increased yellow clay alteration in this zone as well.	Ser Si	i i	Gal	tr	qtz vein and veinlets				
							From 160.67 to 161.03m, vein zone. Increase in yellow clay alteration; pervasive. Ser veinlet stockwork. Large mineralized qtz vein @ 60.83m, width: 2.3cm. Texture: braided with patchy mineralization. Calcite void infill. Earlier qtz growthin void - well formed qtz xtals. CA=55 Mineral compo: qtz 50%, sph 8%, Py 15%, Gal 1%, Ser 15%, Cal 10%, Clay 1%. Other smaller qtz vein @ 160.69m, width: 2mm, with calcite, dissem Py, and Gal (1% and tr respectively). In host rock, dissem py and gal (1% each) More, thinner qtz veins seen @ 161.31, 162.07, 162.36, and 163.21m; w avg width 1-2mm and patchy minor Py and tr Sph mineralization.	clay ser	m-i i	Py Gal Sph	10 1% 3	dissem and veins veins and dissem veins				
163.32	163.90	Alt QM					Fractured QM w hem and chl fracture infill (some fracture infills brecciated, w 1-5mm angular tabular host rock clasts sitting in chl matrix. Width: 4mm, CA=60, depth: 163.77m. Feldspars milky white and hard. Ser and clay veinlets throughout as well. Sphene and chl alt of mafics (and light blue mineral alt of mafics also - looks like a mica?)	chl ser sph	i w-m w-m	hem	5	veinlets				

Lithology								Alteration		Mineralization				Sampling			
Depth From (m)	Depth To (m)	Rock Unit	Texture	grain size (mm)	Rock unit mineral	mineral vol %	Description	Mineral or alteration type	alt int. (w,m,i)	mineral	mineral vol %	mineral texture)		From (m)	To (m)	Sample #	Sample description
163.90	172.80	Tinta Vein					See vein log - Cor Coe										
172.80	222.50	QM					Rel fresh QM w k-spar phenos ranging in size from 2mm to 1.2cm. Mafics weakly to mod alt to chl. More leucocratic and silicified zone from 183.3 to 184.1m. Small diorite intrusion (or xenolith?) coming through from 197.6 to 197.75m with parallel qtz bands running at CA=30. Preferred grain orientation in QM seen intermittently throughout this interval, w more pronounced segregation from 206.8 to 210.22m (felsic and mafic bands) running at CA=55. Either very qtz rich or silicified (prob silicified) QM from 182.74 to 188.40m. Small, slightly vuggy QM zone (vugs ~1-2% of total rock) w k-spar phenos that have more of a "brick" texture and a deeper pink than usual k-spar phenos (probably "cooked"). Veinlets seen throughout all of QM made of ser, epi, clay carb, hem and chl. Veinlets occasional and dissem throughout QM. Weak hem alt seen from 172.8 to 175.76m and from 205.7 to 206.5m. Very large xtalline feld band @ 172.95m, CA=45; w large k-spar phenos (2cm) sitting in qtz + feld xtalline matrix.	si	w-m	hem	tr	alt				
								hem	w-m								
								chl	w-m								
								sphene	w-m								
							EOH=222.50m										

NORTHERN FREEGOLD RESOURCES LTD.

DDH Core Logging Form

Hole: THOE-13 Project: Freegold Property/Zone: Tinta Hill Page: 1 of 1

Elevation: _____ Total depth: _____ Drill contractor: _____ Logged by/date: C. C. 06/16/08
UTM E: _____ (NAD83) BTOx: _____ Date started: _____ Relogged by/date: /
UTM N: _____ BPOx: _____ Date completed: _____ Data entered by: _____
Dip: _____ Grid Coord.: _____
Azimuth: _____ Target: _____ Target: _____ Core size: NTW

Downhole Survey

Azimuth	Dip	Depth

Core Depth (m) from	to	Rock name	Lithology: Description (including texture of veining)	Alteration: Mafics Mineral	Mafics Alt.*	Felsics Mineral	Felsics Alt.	Other Mineral	Other Alt.	Mineralization (%): Mineral	%	Texture	Veining: CA**	Mineral	%	Samples: Interval (m) from	to	Length (m)	No.	Comments (QA/QC, sample description, recovery, etc.)
																164.6	165.6	1.0	154242	
163.9	168.6		QTZ MONZONITE													165.6	167.7	2.1	154243	
			STRONGLY ALT'D QTZ MONZ WITH MINERALIZED																154244	STANDARD CDN HLHZ
			FRACTURES + VEINING.													167.7	168.6	0.9	154245	
			MAFICS ALT'D TO CHLORITE + FELDSPARS																154246	BLANK
			PARTIALLY ALT'D TO CREAMY WHITISH CLAY.													163.6	169.0	0.40	154247	VEIN
			PROPYLITIC/CHLORITIC QTZ-SERICITE													169.0	170.0	1.0	154248	
			STRINGERS IN COMPETENT LT GREEN EX.																	
			PORPHYRITIC TEXTURE WITH FELDSPAR																	
			PHENOS UP TO 1CM. STRONG SILICIFICATION																	
			LOCALLY + SOME PHENOCRYST OVERPRINT (FELDSPAR)																	
			QTZ-SERICITE-CHLORITE FRACTURES AT 60° TCA			165.5	165.65			Sphalerite	5	massive	60	QTZ-CHLORITE VEIN						
			AT 165.5-165.65m THERE IS A SMALL							Galena	5									
			MINERALIZED QTZ VEIN @ 45° TCA FINE							Py	10									
			GRAINED MASSIVE SPHALERITE ~5% AND																	
			GALENA ~5%; ANOTHER @ 166.8m-166.85m			166.8	166.85			Galena	5		60							
			(SAME MINERALOGY)							Sphalerite	5									
			Sphalerite appears as dessim. blebs ~3-4mm							Pyrite	10									
			in dia; galena more fine grained and																	
			dessiminated locally around sphalerite			167.84	167.90			Sphalerite	20%		45°	Qtz veinlet						
			blebs.																	
						168.05	168.20			Sphalerite	10%			Qtz veinlets (3)						
										Galena	10%			avg 1cm width						
168.6	169.0		VEIN																	
			Fault gouge + remnant galena, sphalerite,																	
			and pyrite crystals within fault gouge matrix																	
			from 163.6-163.7m. Then contact (UC) +																	
			silicified qtz vein + blebby massive pyrite																	
			<.5cm avg + dessim. locally through out.																	
			Both qtz vein contacts have blebby																	
			massive galena, 10% lower contact with 2cm																	
			massive barite border. 10% Massive sphalerite + galena.																	
169.	172.8		QTZ MONZONITE																	
			Weakening alt'n from above vein to																	
			typical fresh qtz monzonite at ~169m.																	
			Porphyritic Feldspar texture (<2cm phenos) Pinkish Grey, Competent.																	

*Alt. = Alteration Value. See Reference Sheet ** CA = angle to core axis. See Reference sheet

Geology Drill Log Tinta 2008

Logged By: Cor Coe

Date(s) Logged: 15-Jun-08

UTM E: 396388

Hole: TH08-14

Target: Main Tinta Vein

Core Size: NTW

UTM N: 6908050

Azimuth: 212

Dip: -60

Total Depth: 230.12

Elevation: 1205

Lithology								Alteration		Mineralization			Sampling			
Depth From (m)	Depth To (m)	Rock Unit	Texture	grain size (mm)	Rock unit mineral	mineral vol %	Description	Mineral or alteration type	alt int. (w,m,i)	mineral	mineral vol %	mineral texture)	From (m)	To (m)	Sample #	Sample description
204.1	207.4	Qtz Monz					Light green, Strongly alt'd with chloritized mafics and clay alt'd feldspars - <5mm qtz stringers at 204.3m and 206.9m. Both veinlets and 45 degrees tca. Both veinlets have visible intermitent galena <5%, sphalerite <5%, and pyrite <15%, both at 45° tca. Disseminated limonite spotting (light) within whitish clay alt'd feldspars. Alteration: mafic-chlorite, felsic-clay, other-sericite. veins: 204.5-204.35m at 0.5cm qtz, galena and sphalerite, both <5%.					205.7	207.4	154202	
													205.7	207.4	154203	standard CDN HLHZ
													205.7	207.4	154204	blank
													207.4	208.2	154205	HW TINTA VEIN
207.4	208.6	Tinta Vein					257.4-208.2m - HW position of Tinta Vein. Hard competent rx have alt'd qtz monzonite transitionally grading to more competent HW contact. Lt greenish colour, alt'd frldspars (clay) and disseminated pyrite (20%) More silicified from 207.6m, Chalcedonic qtz stockwork and qtz - massive galena / sphalerite stringer <5mm at 207.5m (45 degrees tca) and 207.7m <3cm (45 degrees tca). 207.5-207.55 a 5mm, qtz, galena (2%), sphalerite (2%), pyrite (15%) vein. 207.7-207.73 a 3cm, qtz, galena (5%), sphalerite (10%), pyrite (20%).					208.2	208.6	154206	VEIN
													208.2	208.6	154207	blank
													208.6	210	154208	
													210	211	154209	
							208.2-208.6 - UC at 45 degrees tca. This section has blebs of massive galena dissem ~5% and vuggy microcrystalline qtz infilling stockwork -> breccia appearance. Brecciated chunks of galena and sphalerite noted at upper and lower contacts with matrix infill of chalcedonic qtz. Sphalerite blebs ≤ 3mm and dessim. locally ~< 5% chalcopyrite dessim. also <5% and <5mm . Possible boiling indicated.					211	212.1	154210	
													211	212.1	154211	blank

Lithology								Alteration		Mineralization				Sampling			
Depth From (m)	Depth To (m)	Rock Unit	Texture	grain size (mm)	Rock unit mineral	mineral vol %	Description	Mineral or alteration type	alt int. (w,m,i)	mineral	mineral vol %	mineral texture)	From (m)	To (m)	Sample #	Sample description
208.6	212.4	Qtz Monz					Light green, competent qtz monzonite with whitish-creamy clay alt'd felds and chloritized mafics (100%). Stockwork at stringers containing qtz -chlorite and intermittent qtz- galena-sphalerite veinlets. At 210.5m there is a 1cm qtz-galena-sphalerite vein running at 20° tca. 210.5-210.7m there is a 0.2m wide qtz, galena (5%) and sphalerite (10%) vein. 211.4-211.45 there is a 0.05m galena (<5%), sphalerite (<10%), chalcopyrite (<5%) and pyrite (<10%) vein. The qtz monzonite in this section has a sheared texture with the infilling of fractures with chlorite and qtz. At 211.4 m there is a 4cm wide qtz vein at 45° tca containing massive galena blebs < 5%, sphalerite <10% and chalcopyrite <5%. Also blobs of barite <5%. Another qtz-sphalerite galena fracture filled stringer at 211.9m <5mm wide at 45° tca. 211.5-211.8m exhibits vuggy infilled qtz-barite stockwork with blebs of sphalerite <5mm dia and dessim. pyrite within alt'd, sheared qtz monzonite host.	strong							

Hole: TH08-14 Lithology					Oxidation			Alteration						Structure				Infill (veining)							Comments		
From	To	Litho-1	Litho-2	Litho-3	From	To	Oxidation	From	To	Mafics	Felsic	Overprint	ALTOCCURR	From	To	Struc-1	Struc-CA	From	To	Inf-Mineral	Inf-Type	Thickness mm	Inf-%	Inf-CA	From	To	Comments
0.00	2.10				0.00	2.10	Complete oxidation	2.1	12.4		sericite, clay		pervasive												0	2.1	7 feet of casing used
2.10	13.30	Quartz Monzonite	Equagranular	coarse grained	6.20	7.25	Complete oxidation				sericite, clay		pervasive	3.4	6.1	fault	60	6.1	12.2	calcite, hematite	planar	2	2	40	2.1	6.2	MnOx on fract coating. Alteration as a whole potentially related to a near surface vein encountered in a later hole. Intense rubbly core from 3.05-6.1m. Healed FAU bx in somewhat competent core visible at 3.4m.
					7.25	10.1	>5 cm from fracture							6.1	12.2	fractures	60	12.4	12.5	hematite,	planar	1	2	70	6.2	12.2	Cross cutting veins, same composition at 30 TCA (120) Stockwork healed fract from 6.1-12.0m.
					10.1	11.8	<5 cm from fracture											12.5	12.7	calcite,					12.4	16.7	Alteration intensity varies btw 12.4-16.7m from mod to intense in patches. Fractures range from 30-40 TCA.
					11.8	12.2	<5 cm from fracture											12.7	12.9	hematite, calcite	planar	1	2	70			
					12.2	13.3	at fractures	12.4	16.7		sericite,		pervasive	12.2	21.4	fractures	40	13.2	13.21	hematite,		3	100	30			
13.30	21.40	Quartz Monzonite	Equagranular	coarse grained	13.3	21.4	at fractures				sericite,		pervasive					15.6	15.61	calcite, hematite	discontinuous	5	100		18	18.4	Fractures ser coated. Fragments, crumbly rock.
								16.7	21.4		sericite,		pervasive					18	18.01	cla, limonite, sericite,	planar	10	100	40			
21.40	25.70	Quartz Monzonite	Equagranular	medium grained	21.4	25.7	at fractures	21.4	25.7		sericite,		blebby	21.4	25.7	fractures	50	21.4	25.7	calcite,	planar	1	1	50	21.4	25.7	Rock alternates btw fresh MG LGY QM and CG BU/GN QM with 0.5-1cm k-spar phenos alt'd to greenish, Chl(?). Contact btw fresher MG and coarser alt'd CG is 30 TCA
25.70	36.80	Quartz Monzonite	Equagranular	coarse grained	25.7	27.94	at fractures	25.7	36.8		sericite, clay		pervasive	25.7	27.7	fractures	30	27.95	32.1	sericite,	stockwork	1	3		27.3	27.3	FG xenolith, 40% mafics, 45% qtz 15% felds. Contacts 40 TCA, GN/GY. 27.3m 6cm xen, 27.4 1cm xen, 27.6m 1cm xen, 27.7m 2.4cm xen
					27.94	30.8	at fractures							27.7	27.95	xenolith									27.94	36.8	Some k-spar phenos alt'd, some not. 31.2m slickenlines in ser fract coating. 34.1-36.8m alternates btw fresh LGY QM MG with weak arg/ser alt'n to CG wk arg/ser alt'd QM with 0.5-1cm k-spar phenos
					30.8	36.8								31	31.2	slickenlines		34.1	34.11	quartz, K-feldspar, plagioclase,	planar	20	100	60			
36.80	38.70	Quartz Monzonite	Equagranular	fine grained	36.8	38.7	at fractures							36.8	36.81	contact	40	36.8	38.7	hematite, chlorite	planar	2	2		36.8	38.7	Undulating contact btw weak alt'd QM and chl rich xen. 36.8-36.9m brecciated QM in chl stringers 40 TCA. 37.9-38.3m felsic QM with wk chloritization. 38.3-38.7m xenolith.
														36.81	38.7	xenolith											
38.70	43.90	Quartz Monzonite	Equagranular	coarse grained	36.8	38.7	at fractures	38.7	39.7		sericite, clay		pervasive					38.7	42.4	hematite, calcite	planar	3	2		38.7	42.4	1.5-5 cm clast of FG Xen. Hem and chl stringers 15-30 TCA, 1-3mm. 38.7-42.2m slickenlines noted on hem and cal coated fract surfaces in non oried core. 42.4m ser alt'n increases but is still weak.
					38.7	43.9	at fractures	39.7	39.8		sericite, clay	hornblende, amphibole	pervasive														
								39.8	43.9		sericite, clay		pervasive														
43.90	46.80	Quartz Monzonite	Equagranular	coarse grained	43.9	46.8	at fractures							43.9	43.91	contact	60								43.9	46.8	0.5-2cm k-spar phenos. Abundant bands of k-spar at 60 TCA. CTC btw weak alt'd and fresh QM. Very siliceous.
46.80	58.60	Quartz Monzonite	Equagranular	coarse grained	46.8	54.5	at fractures	46.8	58.6		sericite, clay, K-feldspar,		pervasive					47.6	47.8	sericite,	stockwork	1	20		47.6	54.5	MnOx on fract coating. Blocky broken/heavily fract core at 40 TCA. 0.5-1cm k-spar phenos. 50-54.5 abundant 0.5-1.5cm k-spar phenos.
					54.5	58.6	at fractures							54.5	58.6	fractures	50	54.5	58.6	sericite,	planar	2	2	40	54.5	58.9	Occasional ser stringers at 40 TCA.
58.60	59.10	Altered Quartz Monzonite	Equagranular	coarse grained	58.6	58.9	<5 cm from fracture	58.6	58.9		clay, sericite		pervasive					58.7	58.71	quartz,	planar	6	100	40			
								58.9	59.1	chlorite,	sericite,		pervasive					58.9	58.91	quartz, calcite, chlorite,	planar	25	100	50	58.9	60.2	min alignment at 40 TCA.
																		58.91	60.5	hematite,	planar	2	1	40			
59.10	60.70	Quartz Monzonite	Equagranular	medium grained		60.2	at fractures	59.1	60.2	chlorite,	sericite, clay		pervasive						60.5	hematite,	planar	2	1	40	60.2	60.7	VFG mafics, gives rock lighter colour, very siliceous.
					60.2	60.7	at fractures							60.2	60.21	contact	30	60.5	60.51	chlorite, calcite	planar	8	100	50			
60.70	66.20	Quartz Monzonite	Equagranular	coarse grained	60.7	66.2	at fractures							60.7	60.71	contact	40	60.7	62.9	hematite, calcite	planar	1	2	60	60.7	62.9	1-2mm hem/cal veins.

Hole: TH08-14 Lithology					Oxidation			Alteration						Structure				Infill (veining)							Comments		
From	To	Litho-1	Litho-2	Litho-3	From	To	Oxidation	From	To	Mafics	Felsic	Overprint	ALTOCCURR	From	To	Struc-1	Struc-CA	From	To	Inf-Mineral	Inf-Type	Thickness mm	Inf-%	Inf-CA	From	To	Comments
														62.9	66.2	fractures	30	62.9	66.2	hematite, chlorite	stockwork	2	5		62.9	66.2	hem and chl STW veins. 1-3mm. Commonly fractured at 30 TCA>
66.20	66.80	Quartz Monzonite	Equagranular	medium grained	66.2	66.8	at fractures	66.2	68		sericite, clay			66.2	66.21	contact	50								66.2	66.8	very competent rock.
66.80	80.60	Quartz Monzonite	Equagranular	coarse grained	66.8	67.8	>5 cm from fracture																		66.8	69.5	k-spar phenos, alt'd to green (ser?), some up to 3cm.
					67.8	69.5	at fractures	68	69.5		sericite, clay			68	69.5	fractures	60										
					69.5	69.8	at fractures	69.5	70.7		sericite, clay														69.5	70.2	blebby sx, diss hem.
					69.8	70	at fractures											69.8	69.9	hematite, calcite	non-systematic	1	1	70			
					70	70.2	at fractures											70	70.01	quartz, calcite	planar	50	100	60			
					70.2	71	at fractures	70.7	71		chlorite,							70.5	71	sericite,	planar	4	10	60			
					71	71.9	at fractures							71.4	71.41	xenolith		71.8	71.9	sericite,	planar	4	40	40			
					71.9	75.5	at fractures							71.5	71.51	xenolith		71.9	79.7	sericite,	planar	2	1	50	71.9	79.7	Occasional 0.5-2cm k-spar phenos. Gen fracture at 60 TCA. Siliceous. Ser and MnOx fract coatings.
					75.5	79.7																					
					79.7	80.6		79.7	80.6		sericite,														79.7	80.6	Fairly soft, UCTC 50 TCA, LCTC 40 TCA 80.6m
80.60	81.80	Quartz Monzonite	Equagranular	coarse grained	80.6	85.1												80.6	80.61	sericite, calcite	planar	7	100	40			
81.80	82.50	Quartz Monzonite	Equagranular	fine grained	80.6	85.1												81.9	81.91	quartz, K-feldspar	planar	10	100	50			
																		82	82.01	quartz, K-feldspar	planar	15	100	50			
																		82.3	82.31	quartz, K-feldspar	planar	20	100	40			
82.50	85.70	Quartz Monzonite	Equagranular	medium grained	80.6	85.1																					
					85.1	85.7		85.1	85.7		sericite,		pervasive														
85.70	87.80	Quartz Monzonite	Equagranular	coarse grained	85.7	87.4								87.1	87.11	xenolith									87.1	87.19	Xen, 9 cm. 50% mafics.
					87.4	87.8		87.4	87.8	chlorite,			pervasive	87.2	87.21	xenolith		87.2	87.8	calcite, hematite	discontinuous	4	5	30	87.2	87.23	Xen, 3cm 40 TCA, 50% mafics
																									87.4	87.8	4mm discontinuous cal and hem vein. UCTC and LCTC 30 TCA
87.80	93.70	Quartz Monzonite	Equagranular	medium grained	87.8	93.7												87.8	93.7	sericite,	planar	1	1	50	87.8	93.7	Abundant k-spar phenos/bands of k-spar. Rock general fract at 30 TCA
93.70	94.40	Quartz Monzonite	Equagranular	coarse grained	93.7	94.4								93.7	93.71	contact	40								93.7	94.4	UCTC at 40 TCA, LCTC 60 TCA
94.40	95.60	Quartz Monzonite	porphyritic	medium grained	94.4	95.6								94.4	94.41	contact	60	95	95.01	calcite, hematite, quartz, vug	planar	20	100	50			
95.60	96.00	Quartz Monzonite	Equagranular	coarse grained	95.6	96																					
96.00	105.70	Granite	porphyritic	coarse grained	96	105.7												96	105.8	calcite, sericite	planar	2	1	50	96.000	100.000	Gen fract at 40 TCA. Ser coated fract.
																									100.000	105.700	Heavily broken/fractured core from 102.0-105.0m
105.70	113.40	Quartz Monzonite	Equagranular	coarse grained	105.7	105.8		105.7	105.8	chlorite,				105.7	105.71	contact	70	105.8	112.6	sericite,	planar	2	1	50	105.5	112.8	Alternating sections of light and dark grey QMO. Light grey sections feature 0.5-1 cm pink k-spar phenos, 15% mafics, 20% qtz 55% felds. Dark grey sections 35% mafics, 15% qtz, 50% felds. CTC btw two sections generally at 50 TCA. Intensely fract/broken core from 105.8-110.6m. Fabric oriented to about 50 TCA throughout.
														105.8	105.81	contact	70	112.6	112.61	sericite,	non-systematic	50	100				
					112.8	113.4		112.8	113.2	chlorite,			pervasive					112.8	112.81	calcite,	planar	4	100	20	113.2	118.9	Same alternating qtz monz described at 105.8m. Light grey sections decrease in size down hole. At 114.2m there is a 3cm mafic xenolith at 60 TCA, about 50% mafics.
113.40	113.50	Breccia	matrix supporte	monomyct	113.4	113.5								113.4	113.41	breccia											
113.50	131.70	Quartz Monzonite	Equagranular	coarse grained	113.5	122.4												123.3	123.31	sericite, calcite, hematite,	planar	5	100	30	118.9	118.94	4cm breccia seam. Rounded clasts of qtz and felds and host rock up to 2cm big hosted in calcareous clay matrix.
					122.4	125.8												123.5	123.51	quartz, hematite, chlorite,	planar	5	100	50	121	122.4	After 121.0m the fabric becomes aligned to about 50 TCA

Hole: TH08-14 Lithology					Oxidation			Alteration						Structure				Infill (veining)							Comments		
From	To	Litho-1	Litho-2	Litho-3	From	To	Oxidation	From	To	Mafics	Felsic	Overprint	ALTOCCURR	From	To	Struc-1	Struc-CA	From	To	Inf-Mineral	Inf-Type	Thickness mm	Inf-%	Inf-CA	From	To	Comments
					125.8	131.7		125.8	125.8			hematite,	pervasive	126.2	126.21	slickenlines		125.4	125.41	chlorite, calcite	planar	6	100	40	122.4	128	10 cm fabric enriched zone. Mafics mainly hbl and amp, mafic content about 50%/ Zone at 50 TCA. Heavily fractured/broken core from 125.9-128.0m.
								125.8	131.7			sericite, hematite	pervasive					125.8	128.6	chlorite, hematite	stockwork	2	10				
																		128.6	128.61	quartz, calcite, hematite,	planar	43	100	40	128.6	130.7	128.6m Titanite rich zone (5%) extending 5cm from the vein. At 130.7m and 130.8m there are about 6cm patches of mafic rich xenolith (?), 40% mafics dark green colour
																		128.7	128.71	chlorite, hematite, calcite,	stockwork	2	5				
																		128.71	131.7	chlorite, hematite	stockwork	2	10				
131.70	132.20	Quartz Monzonite	Equagranular	medium grained	131.7	134.4		131.7	132			clay,	pervasive					131.7	132.2	sericite, hematite, quartz,	non-systematic	1	25				
132.20	132.50	Quartz Monzonite	Equagranular	fine grained				132	132.7			unknown, clay	patchy					132.2	132.21	quartz,	non-systematic	30	60				
132.50	138.00	Quartz Monzonite	Equagranular	medium grained				132.7	134.4			clay, sericite, hematite,	pervasive					132.6	132.61	quartz, caronate	non-systematic	70	95	50	135	135.4	Veins broken and displaced, almost appear brecciated.
					134.4	135		134.4	138.2			sericite, chlorite	patchy					133.9	133.91	quartz, caronate	planar	4	100	30			
					135	137.8	at fractures											134.2	134.21	quartz, caronate	planar	8	100	30			
					137.8	140.2												135	135.4	hematite, calcite	non-systematic	5	10				
																		136	136.01	hematite, calcite, quartz,	planar	30	100	50	137.9	138	intense patch chl, 'alligator skin' appearance. UCTC and LCTC to section marked by vuggy cal veinlets at 40 TCA.
138.00	140.20	Quartz Monzonite	Seriate	medium grained				138.2	140.2			sericite,	pervasive					139.5	139.51	quartz,	planar	20	100	40			
140.20	141.70	Quartz Monzonite	Equagranular	coarse grained	140.2	141.7		140.2	141.7	chlorite,		sericite,	patchy												140.2	141.2	Intensely fractured broken core from 140-141.2m. Hem coated fracts. CTC 40 TCA
141.70	144.80	Quartz Monzonite	Seriate	medium grained	141.7	144.8								141.7	141.71	contact	40	141.7	145.4	quartz,	planar	10	2	30	141.7	144.8	Abundant 0.5-1cm pinkish k-spar phenos. Fabric somewhat aligned at 50 TCA. FG mafics, rock generally fractured at 50 TCA. Ser and clay fract coating.
144.80	146.00	Quartz Monzonite	Equagranular	medium grained	144.8	146		144.8	146		clay,	chlorite, sericite	patchy					145.4	145.9	sericite, calcite	planar	5	2	30	145.4	145.9	1x vein at 30 moves from 145.4-145.9m
146.00	149.00	Quartz Monzonite	Seriate	medium grained	146	149.1		146.9	147.6			sericite,	pervasive												146	149.1	0.5-2.0cm k-spar phenos. Siliceous. Rock gen fract at 40 TCA. FG mafics, fabric aligned to 40 TCA.
149.00	149.90	Quartz Monzonite	Equagranular	coarse grained	149.1	149.9								149.1	149.11	contact	40								149.1	149.9	UCTC at 40 TCA, LCTC 40 TCA
149.90	155.20	Quartz Monzonite	Seriate	medium grained	149.9	155.2								149.9	149.91	contact	40								149.9	155.2	Alternating sections of light /dark grey qtz monz. CTC btw sections at 40 TCA. Dark sections 30% mafics, 15% qtz, equigranular. Light sections feature 0.5-1cm k-spar phenos, 20% mafics, 20% qtz. Overall, section features about 30% dark grey qtz monz. Light sections weakly magnetic.
155.20	156.90	Quartz Monzonite	Seriate	medium grained	155.2	156.9																			155.200	156.900	rare pink k-spar phenos up to 2cm. Occasional banded k-spar (0.5-1.5cm) at 50 TCA. UCTC at 60 TCA. Weakly magnetic.
156.90	160.50	Quartz Monzonite	Seriate	fine grained	156.9	160.5												156.9	156.91	quartz, calcite, pyrite,	planar	10	100	60	156.9	157.2	Py deposited on selvage of qtz. Foliated (?) fabric at 60 TCA. Segregated into small (<0.5cm) mafic/felsic rich bands. UCTC marked by qtz vein.
																		157.2	157.21	quartz, pyrite	planar	45	100	60	157.2	157.245	py along qtz selvage
																		157.8	157.81	quartz, pyrite	planar	12	100	30	157.8	157.812	py along qtz selvage
160.50	173.40	Quartz Monzonite	Equagranular	coarse grained	160.5	173.4												160.5	169.9	sericite, quartz	planar	1	1	50	160.5	173.4	siliceous small (<10cm) zones with k-spar phenos (0.5-1cm) no contacts visible to these zones. 'Splotchy' zones are rare. At 1657.7m there is a 1.5cm mafic rich band at 60 TCA. Gen fracture at 40 TCA, hem fracture coatings.
																		169.9	169.91	sericite, chlorite	planar	2	40	60			
																		169.91	173.4	sericite, quartz	planar	1	1	50			

Hole: TH08-14 Lithology					Oxidation			Alteration						Structure				Infill (veining)							Comments		
From	To	Litho-1	Litho-2	Litho-3	From	To	Oxidation	From	To	Mafics	Felsic	Overprint	ALTOCCURR	From	To	Struc-1	Struc-CA	From	To	Inf-Mineral	Inf-Type	Thickness mm	Inf-%	Inf-CA	From	To	Comments
173.40	180.40	Quartz Monzonite	Equagranular	coarse grained	173.4	174.3												174.6	174.61	quartz, chlorite, calcite,	planar	100	100	40	173.4	174.3	Rare 1cm k-spar phenos. Feldspars have a weak pinkish colour. Layered would be a better term for this vein. Irregular shaped qtz veins meander and connect with other qtz veins. No visible sx. Hem vein at 174.5m seems to move through fabric around grains, 'brecciated' appearance. Qtz vein frat at 60 TCA, clay fill fract.
					174.3	175.1		174.3	175.1		clay,	sericite,	pervasive												174.65	174.75	
					175.1	177.4																			175.1	177.4	Similar in appearance as 173.4m but less amounts of pinkish feldspar (thus colour is only dark grey) Fract at 40 TCA.
					177.4	180.4																			177.4	180.4	Broken intensely fract core from 178-179.2m. Ser and cal fract coating.
180.40	186.80	Quartz Monzonite	Equagranular	coarse grained	180.4	186.8		185.8	186.5		clay,	hematite, sericite, unknown,	pervasive					182.4	182.41	chlorite, unknown	planar	20	100	30	180.4	182.4	Gen fract at 50 TCA. Localized feldspar alt'n to a pinkish-orange colour around cal and hem/ser stringers at 30-50 TCA. Mafic rich band at 182.4m.
																		186.2	186.21	quartz, calcite	planar	12	100	15	186	186.3	Vein moves through core from 186.0-186.3m. Alteration localized around vein.
186.80	188.80	Quartz Monzonite	Equagranular	coarse grained	186.8	188.8					clay,	hematite, sericite, unknown,	pervasive					186.8	186.9	sericite, chlorite, quartz,	non-systematic	75	100	40	186.8	188.8	Gen fract at 30-40 TCA. Areas rich in unknown brown clay mineral.
188.80	190.80	Quartz Monzonite	Equagranular	coarse grained	188.8	190.8		188.8	190.8		clay, sericite		pervasive					188.8	189.4	chlorite,	planar	3	2	45	188.8	189.4	Some chl stringers cross cut/displaced about 0.5cm. UCTC of alt'd zone gradational.
																		189.4	189.41	quartz, chlorite, calcite,	planar	60	100	30			
																		189.41	190.7	chlorite,	planar	3	2	45	190.2	190.4	At 190.4 there is a 2cm py-qtz-cal bleb, about 40% py.
																		190.7	190.71	chlorite, calcite, quartz,	planar	13	100	30			
																		190.71	190.8	chlorite,	planar	3	2	45			
190.80	191.50	Quartz Monzonite	Equagranular	coarse grained	190.8	191.5		190.8	191.5		clay, sericite		patchy												190.8	191.5	UCTC to zone at 40 TCA. Somewhat fresh/altered patches of wk-intense alt'n, siliceous. Gradational LCTC.
191.50	192.00	Quartz Monzonite	Equagranular	coarse grained	191.5	192		191.5	192		clay, sericite		pervasive														
192.00	193.40	Quartz Monzonite	Seriate	medium grained	192	193.4		192	193.6		clay, sericite	chlorite,	pervasive					192.7	192.71	sericite, quartz, calcite,	planar	30	100	30	192.200	192.600	Numerous qtz-gal-py-sphal stringer (1-3mm) at 30 TCA. Sx are blebby, locally up to 2% gal 2% py, 2% sphal. Stringers compose overall 1% of rock. Diss py 3% throughout. Some signs of movement in the host rock, stringers at different angles contact and deflect at a new angle TCA. Abundant unknown orangish clay mineral diss throughout and concentrated along sx stringers.
																									192.700	192.730	3cm qtz-sx vein. Py diss and concentrated into bands at 30 TCA. Sphal blebby gal along edges of sphal. After vein unknown orangish clay mineral no longer diss, now only concentrated in stringer at 30 and 15 TCA.
																									192.730	192.970	Rock features intense healed fractures displacing and deforming qtz veins. Sx mineralization is contained in the broken/displaced qtz veins giving it a diss blebby appearance. Diss py (3%) throughout. Sx in veins locally up to 5% sphal, 1.5% gal (along edges of sphal), 3% cpy, 3% py.

Hole: TH08-14 Lithology					Oxidation			Alteration						Structure				Infill (veining)							Comments		
From	To	Litho-1	Litho-2	Litho-3	From	To	Oxidation	From	To	Mafics	Felsic	Overprint	ALTOCCURR	From	To	Struc-1	Struc-CA	From	To	Inf-Mineral	Inf-Type	Thickness mm	Inf-%	Inf-CA	From	To	Comments
																									192.970	193.400	37cm brecciated qtz carb sx vein. Qtz is banded. Epithermal boiling texture (?). Milky-yellowish colour with inclusions of smoky euhedral qtz common. Brecciation was post deposition of vein, banded, qtz pieces are sub-angular, cemented by cal and infill qtz. Vuggy along fracture planes at 15-30 TCA. Blebs and occasional bands of py, non-systematic, 3%. At 193.4 there is a 1cm dark grey clay gouge seam. UCTC sharp, 45 TCA, LCTC 35 TCA and marked by the clay gouge. Clast size range from mm-3-5cm. Both the upper and lower contact have a vfg bx of qtz marking contact with clasts getting larger between both contacts. Not that it appears that pieces of the vein (a few cm) is missing/lost (dropped out of core tube etc). Py dominates sx in veins. Py is massive with the odd crystal. Py makes up about 5% of vein with up to 7% in localized areas. Sphal occurs only in first 10 cm of upper contact and about 0.5% galena is about 1-1.5% throughout. no cpy found in vein.
193.40	193.60	Quartz Monzonite	Seriate	fine grained	193.4	193.6					clay, sericite	chlorite,	pervasive														
193.60	194.60	Quartz Monzonite	Equagranular	medium grained	193.6	194.6		193.6	194.6		clay, sericite							193.6	194.6	chlorite,	non-systematic	5	2	40	193.6	194.6	Abundant diss orangish brown clay mineral. From 194.5-194.6m the rock appears flooded with silica, fine grained siliceous.
194.60	196.60	Quartz Monzonite	Equagranular	coarse grained	194.6	196.6		194.6	196.6		sericite,	hematite,	pervasive					194.6	196.6	chlorite, hematite	planar	1	15	50	194.600	199.200	Hem and chl stringers. Somewhat planar but also non-systematic. Stringers displaced and broken, evidence of movement.
196.60	196.90	Quartz Monzonite	Equagranular	fine grained	196.6	196.9		196.6	196.9			hematite,	pervasive	196.6	196.61	contact	60										
196.90	198.20	Quartz Monzonite	Equagranular	coarse grained	196.9	198.2		196.9	198.2		sericite,	hematite,	pervasive	196.900	196.910	contact	30	196.9	198.2	chlorite, hematite	planar	1	15	50			
198.20	204.10	Quartz Monzonite	Equagranular	medium grained	198.2	203.2		198.2	203.2		sericite, clay	hematite,	pervasive					198.2	199.2	hematite,	planar	3	5	60	201.1	201.107	Cal along edges of sphal blebs.
					203.2	204.1		203.2	204.2		clay, sericite	hematite,	pervasive					199.2	201.1	chlorite,	planar	7	5	50			
																		201.1	201.11	quartz,	planar	7	100	30			
																		203.3	203.8	quartz,	planar	2	2	50	203.2	204.1	Diss orangish-clay mineral (unknown) throughout and occur in stringers at various angles TCA. 2mm veins of qtz and sx at 50 TCA from 203.3-203.8m. At 203.8m 9mm qtz sx vein at 35 TCA. Planar. Mineralization gen in thin bands parallel to qtz vein. Gal (<2%) py (<2%) sphal, (tr). Preceding the vein there are numerous 1mm veins of unknown oragnish clay, 'broken window' appearance. 1mm veins cross cut mineralized veins, displacing/breaking the veins into bleb/changing orientation. 0.5-1cm greenish blebs throughout. Once were probably pink k-spar phenos, now alt'd to greenish clay (chlorite?). Rock gen fractured at 60 TCA>
																		203.8	204.2	chlorite,	stockwork	1	2				
204.10	212.40	Tinta Vein	SEE ATTACHED DETAILED VEIN LOG																						204.1	212.4	SEE ATTACHED DETAILED VEIN LOG
212.40	221.10	Quartz Monzonite	Equagranular	medium grained	212.4	221.1												212.4	212.41	quartz,	planar	8	100	30	212.4	212.408	lower vein CTC marked by 3mm of whitish clay gouge.
																		212.41	215.4		stockwork	1	2				
																		215.4	215.41	quartz,	planar	2	100	50			
																		216.8	216.81	quartz, calcite	non-systematic	2	100	30	216.8	217.1	Irregularly shaped qtz-sx veinlet, generally about 30 TCA. Displaced and broken by stockwork chl stringers.
																		217.1	217.102	quartz,	planar	2	100	50	217.1	217.102	Mineralized vein, wispy and broken by stockwork healed fract.
																		217.4	217.41	quartz,	planar	1	100	40			
																		217.7	217.71	quartz, calcite	planar	22	100	45	217.7	217.72	mineralization (py, gal and sphal) dissem, (about 1%) about 10 cm on either side of the vein.
																		220	220.01	quartz, calcite	planar	100	100	50	218.4	218.41	1cm breccia vein at 40 TCA. 1mm rounded clasts of qtz in a calcareous fine grained matrix.
																									220	220.01	Qtz-cal vein with trace galena. Further downhole the vein becomes broken and infilled with breccia.
221.10	221.30	Breccia	matrix supported		221.1	222.4								221.1	221.3	breccia									221.100	221.300	Breccia zone. Sub angular clasts of qtz and felds in a fairly competent calcareous/clay matrix UCTC 30 TCA, LCTC unknown.
221.30	222.40	Quartz Monzonite	Equagranular	medium grained	222.4	227.8		221.3	222.4		clay, sericite	hematite,	pervasive														

Hole: TH08-14 Lithology					Oxidation			Alteration						Structure				Infill (veining)							Comments		
From	To	Litho-1	Litho-2	Litho-3	From	To	Oxidation	From	To	Mafics	Felsic	Overprint	ALTOCCURR	From	To	Struc-1	Struc-CA	From	To	Inf-Mineral	Inf-Type	Thickness mm	Inf-%	Inf-CA	From	To	Comments
222.40	227.80	Quartz Monzonite	Equagranular	coarse grained				222.4	224.5	chlorite, titanite								223.6	223.61	quartz, feldspar	planar	130	100	50			
																		224.3	224.31	quartz, feldspar	planar	34	100	50	224.3	224.5	Similar to 213.6m
																		224.5	224.51	quartz, feldspar	planar	45	100	50	224.5	233.2	1mm ser/epi veins throughout (1% overall) at 40 TCA. Host rock is hem alt'd/felds wkly alt'd extending <2cm from veins. Because fo the localized al'n it is difficult to notice but the rock appears to alternate between more and less mafic rech sections. mafic rich sections generally have 25% mafics, 15% qtz, 55% ptag and 5% k-spar. Less mafic sections generally have 20% mafics, 20% qta. Abundant k-spar phenos/bands of k-spar. CTC btw two sections at 40 TCA. Overall, 25% of the rock is mafic rich sections.
227.80	228.70	Quartz Monzonite	Equagranular	coarse grained	227.8	228.7																					
228.70	233.20	Quartz Monzonite	Equagranular	coarse grained	228.7	233.2																					

HOLE: TH08-15 Lithology					Oxidation				Alteration						Structure				Infill (veining)							Comments		
From	To	Litho-1	Litho-2	Litho-3	From	To	Oxidation	Colour	From	To	Mafics	Felsic	Overprint	Occurrence	From	To	Struc-1	Struc-CA	From	To	Inf-Mineral	Inf-Type	Thickness mm	Inf-%	Inf-CA	From	To	Comments
0.00	3.05	no recovery																										
3.05	9.90	Quartz Monzonite	equagranular	medium-grained	3.05	4.60	>5cm from fractures	Light orange	3.05	9.90		clay,		pervasive												3.050	4.570	rubbly Core
					4.60	6.20	Complete oxidation	Light orange							4.600	7.600	fault									4.600	6.000	Rubbly core - no upper contact angle
					6.20	9.90	Complete oxidation	buff							7.600	7.601	slickenlines									6.000	9.900	sections of competent and less competent rock. MnOx on competent rock fracture surfaces
															7.601	9.900	fault											
9.90	13.20	Quartz Monzonite			9.90	11.50	>5cm from fractures	buff	9.90	11.50		clay,		pervasive												9.900	10.000	sections of competent and less competent rock. MnOx on competent rock fracture surfaces
					11.50	12.10	<5cm from fractures	green	11.50	13.20		sericite,		pervasive	10.2	12.7	fault									10.8	12.7	Fault zone with rubbly core, clay gouge. No core axis measurements, too broken
					12.10	13.20	At fractures	green																				
13.20	18.50	Tinta Vein			SEE ATTACHED DETAILED VEIN LOG																					18.100	19.800	Sections of fresher very weak clay alt'd QMO. More mafic.
18.50	21.60	Quartz Monzonite	seriate	medium-grained	18.50	21.60	At fractures	white	18.50	29.00	hematite	clay,		pervasive	18.500	19.800	fractures	0	18.500	21.60	sericite,	planar	0.5	1		20.000	21.600	3mm-2cm green phenocrysts, possibly ser or chl alt'n of k-spar, 18.5-21.6m
21.60	29.00	Quartz Monzonite	equagranular	medium-grained	21.60	26.50	At fractures	white											21.60	26.300	sericite,	planar	0.5	1		24.400	24.650	sections of CG EG QMO with increased chl
					26.50	29.00		white											26.300	27.900	sericite,	planar	2	5		26.300	29.000	2-5% ser stringers in QM. Stringers range from 1mm-1cm. 27.9 qtz/cal vein with py and gal. 28.4 2cm fault gouge.
															27.900	33.500	fractures	50	27.900	27.910	quartz, calcite, pyrite, galena	planar	10	100				
																			27.910	29.000	sericite,	planar	2	5	65			
29.00	41.90	Quartz Monzonite	seriate	medium-grained	29.00	34.80		Light grey	29.00	33.50	chlorite, hematite		quartz	pervasive	31.500	31.501	slickenlines									29.000	41.90	Feldspars are milky, hard to scratch, less alt'd than above. 3mm-2cm k-spar phenos. Alt'd sections of light QM with k-spar phenos and chl rich QMO with no k-spar phenos. Lighter QMO is more CG. Mafic sections, crystals look more blurred, MG. Contact btw light and dark sections is gradational. 30-38.90m Bands of increased feldspar concentration, alt'd K-spars and increased chl content with chl and hem stringers about 40 TCA. 31.5 Slickenlines in hem coating on fracture surface. 34.8-36.0m ser coating on fractures 30-70 TCA - increase in number of fractures 36-36.6m rubbly core. 41.90m Slickenlines in chl and ser coating. 42.40-42.80m Lighter section - chl gone - k-spar phenos starting to alter to GN (Chl or ser?) 2x 5mm laminated qtz, hem, chl and ser veins at 50 TCA. 42.8-44.90m Light QMO with 5-25 mm k-spar phenos. Banded K-spar at 44.95m
					34.80	41.90		Light grey	33.50	41.90	chlorite				36.000	36.001	slickenlines		34.800	39.600	sericite,	planar	1	3	50			
41.90	42.40	Quartz Monzonite	seriate	medium-grained	41.90	42.40		Light grey	41.90	42.40	chlorite				41.900	41.901	slickenlines									41.90	42.40	Feldspars are milky, hard to scratch, less alt'd than above. 3mm-2cm k-spar phenos. Alt'd sections of light QM with k-spar phenos and chl rich QMO with no k-spar phenos. Lighter QMO is more CG. Mafic sections, crystals look more blurred, MG. Contact btw light and dark sections is gradational. 30-38.90m Bands of increased feldspar concentration, alt'd K-spars and increased chl content with chl and hem stringers about 40 TCA. 31.5 Slickenlines in hem coating on fracture surface. 34.8-36.0m ser coating on fractures 30-70 TCA - increase in number of fractures 36-36.6m rubbly core. 41.90m Slickenlines in chl and ser coating. 42.40-42.80m Lighter section - chl gone - k-spar phenos starting to alter to GN (Chl or ser?) 2x 5mm laminated qtz, hem, chl and ser veins at 50 TCA. 42.8-44.90m Light QMO with 5-25 mm k-spar phenos. Banded K-spar at 44.95m

HOLE: TH08-15 Lithology					Oxidation				Alteration						Structure				Infill (veining)								Comments		
From	To	Litho-1	Litho-2	Litho-3	From	To	Oxidation	Colour	From	To	Mafics	Felsic	Overprint	Occurrence	From	To	Struc-1	Struc-CA	From	To	Inf-Mineral	Inf-Type	Thickness mm	Inf-%	Inf-CA	From	To	Comments
42.40	42.80	Quartz Monzonite	seriate	medium-grained	42.40	42.80		buff	42.40	42.80			quartz	pervasive					42.400	42.405	quartz, chlorite, sericite, hematite	planar	5	100	50	42.40	42.80	Feldspars are milky, hard to scratch, less alt'd than above. 3mm-2cm k-spar phenos. Alt'd sections of light QM with k-spar phenos and chl rich QMO with no k-spar phenos. Lighter QMO is more CG. Mafic sections, crystals look more blurred, MG. Contact btw light and dark sections is gradational. 30-38.90m Bands of increased feldspar concentration, alt'd K-spars and increased chl content with chl and hem stringers about 40 TCA. 31.5 Slickenlines in hem coating on fracture surface. 34.8-36.0m ser coating on fractures 30-70 TCA - increase in number of fractures 36-36.6m rubbly core. 41.90m Slickenlines in chl and ser coating. 42.40-42.80m Lighter section - chl gone - k-spar phenos starting to alter to GN (Chl or ser?) 2x 5mm laminated qtz, hem, chl and ser veins at 50 TCA. 42.8-44.90m Light QMO with 5-25 mm k-spar phenos.
																			42.500	42.505	quartz, chlorite, sericite, hematite	planar	5	100	50			
42.80	45.30	Quartz Monzonite	porphyritic	coarse-grained	42.80	45.30		Light grey	42.80	45.30	chlorite		quartz	pervasive												42.80	45.300	Banded K-spar at 44.95m
45.30	47.70	Quartz Monzonite	equagranular	medium-grained	45.30	47.70		Light green	45.30	47.70		clay, sericite		pervasive					45.400	45.420	sericite,	planar	1	2	15	45.300	47.700	Light MG QMO with k-spar phenos that grade from pink at 45.3m to green until 47.25m. K-spars from 3mm-1cm. Laminated Qtz/cal/ser vein 4cm wide bounded by clay fault gouge at 46.71-46.75m. 47.44-47.7m clay alt'n decreases, ser alt'n stays the same
																			46.100	46.140	quartz, calcite, sericite, barite	laminated	40	100	50			
47.70	49.50	Quartz Monzonite	equagranular	medium-grained	47.70	49.50		green	47.70	49.50	chlorite	clay, sericite		pervasive	48.900	48.901	slickenlines		48.200	48.500	calcite, sericite, hematite,	planar	4	3	60	47.700	48.200	Chl rich QMO with min fabric 60 TCA
																										48.200	48.500	ser alt'd QMO with 2x 4mm cal/ser/hem veins 60 TCA
																										48.500	49.500	Mod ser and clay alt'n. Chl rich QM with minor ser alt. Mineral fabric 40 TCA. Hem on fracture surfaces. 48.9-49.2m slickenlines on fractures in chl coating. competent light QMO with 3-6mm k-spar phenos. 50.80-51.30m - Contact btw competent and alt'd zone 50 TCA
49.50	51.80	Quartz Monzonite	porphyritic	coarse-grained	49.50	51.80		grey	49.50	50.80	chlorite	clay, sericite		pervasive	49.500	51.80	fault									49.500	51.80	Fault zone. Light and dark alternating bands of mafic and light QMO. Light zones more heavily alt'd. 49.6-50.76m intensely clay and ser alt'd with occasional 2-5mm hem stringers. Competent light QMO with 3-6mm k-spar phenos. 50.80-51.30m Contact btw competent and alt'd zone 50 TCA. 51.30-51.80m Increased clay and ser alt'n. Light QMO = 15% mafics, 30% Qtz. 51.80-53.40m Mafic QMO with hem staining on feldspars. Rubbly core. 53.40-53.94m - Light QM, intense clay and mod ser alt. Ser fault/veins 30 TCA. Filled with ser clay. Chl drops to 15%. Ser = 70%. 53.94-54.60m - competent light QM with 0.5-2cm k-spar phenos. Ser 50%. Contact btw light and mafic QM = 150/30 TCA. 54.60-56.00m - Mafic CG QMO, GN D-GY with hem on fract. Chl 35% qtz 15 % ser alt'n 20% (weak)

HOLE: TH08-15

Lithology

From	To	Litho-1	Litho-2	Litho-3
51.80	70.10	Quartz Monzonite	equagranular	coarse-grained

Oxidation

From	To	Oxidation	Colour
51.80	56.00		grey
56.00	58.70		green
58.70	61.10	At fractures	green
61.10	65.20		dark grey
65.20	68.20		dark green
68.20	70.10		dark grey

Alteration

From	To	Mafics	Felsic	Overprint	Occurrence
50.80	51.30	chlorite	clay, sericite		pervasive
51.30	51.80	chlorite	clay, sericite		pervasive
51.80	53.40	chlorite	clay,		pervasive
53.40	56.00	chlorite	sericite,		pervasive
56.00	56.50	chlorite, sphalerite,	clay,		pervasive
56.50	57.50	chlorite, sphalerite,	clay,	hematite	pervasive
57.50	60.60	chlorite, sphalerite,			pervasive
60.60	65.20	chlorite, sphalerite,		hematite	pervasive
65.20	68.20	chlorite, sphalerite,		hematite	pervasive
68.20	68.60	chlorite, sphalerite,			pervasive
68.60	68.80	chlorite, sphalerite,		hematite	pervasive

Structure

From	To	Struc-1	Struc-CA
51.80	56.000	fault	
55.700	55.701	slickenlines	
55.702	55.703	xenolith	
56.600	56.601	slickenlines	
57.600	57.601	slickenlines	
58.700	58.720	xenolith	30
60.270	60.271	slickenlines	
64.400	64.700	xenolith	
66.800	66.801	slickenlines	

Infill (veining)

From	To	Inf-Mineral	Inf-Type	Thickness mm	Inf-%	Inf-CA
56.500	57.500	hematite, chlorite, sericite,	planar	2	5	20
60.600	60.660	hematite, chlorite	planar	60	75	30
64.600	64.660	hematite, sericite, chlorite,	planar	1	60	70
65.300	65.302	hematite, calcite	planar	2	100	40
68.100	68.105	hematite, sericite	planar	5	90	50
68.600	68.608	hematite, sericite	planar	8	100	30

Comments

From	To	Comments
51.80	56.000	Fault zone. Light and dark alternating bands of mafic and light QMO. Light zones more heavily alt'd. 49.6-50.76m intensely clay and ser alt'd with occasional 2-5mm hem stringers. Competent light QMO with 3-6mm k-spar phenos. 50.80-51.30m Contact btw competent and alt'd zone 50 TCA. 51.30-51.80m Increased clay and ser alt'n. Light QMO = 15% mafics, 30% Qtz. 51.80-53.40m Mafic QMO with hem staining on feldspars. Rubbly core. 53.40-53.94m - Light QM, intense clay and mod ser alt. Ser fault/veins 30 TCA. Filled with ser clay. Chl drops to 15%. Ser = 70%. 53.94-54.60m - competent light QM with 0.5-2cm k-spar phenos. Ser 50%. Contact btw light and mafic QM = 150/30 TCA. 54.60-56.00m - Mafic CG QMO, GN D-GY with hem on fract. Chl 35% qtz 15 % ser alt'n 20% (weak)
56.470	57.500	weak hem overprint-gives rock pink tinge. Ser, chl hem vein 20-30 TCA. 57.25m slickenlines in hem coating
58.360	58.370	Gouge zone. Pure brown clay, 20cm long in core box, maybe about 2cm at depth (?)
58.500	58.700	localized ser alt'n, intense. slickenlines on fract surface
58.700	58.720	2cm xenolith - mafic- chl rich 30 TCA
59.000	59.001	1mm epidote (?) vein apple green, very irregular approximately parallel TCA. Marked for Pima P08-13689 - as of Sept 4 2008 not analyzed
60.270	60.271	Slickenlines in hem coating
60.660	61.040	Zone with increased hem. Feldspars are very distinct, sharp edges to grains. Usually they look more 'blurred' or washed. Hardness of rock doesn't change. Rough fabric to mineral grains, 60 TCA. Similar to bands near top of hole where felds were 'clear' around hem stringers. 60.81-60.96m Zone of intense ser alt. Ser = 50%. Epi (?) on fract surfaces
63.200	63.400	LGY FG QMO with hem staining around 1mm epi(?) vein 40/140TCA. Staining doesn't go all the way through the core. UCTC along ser and cal coated fract 150/30 TCA. LCTC parallel to 4mm ser vein (irregular) at 60/120 TCA.
63.200	63.400	LGY FG QMO with hem staining around 1mm epi(?) vein 40/140TCA. Staining doesn't go all the way through the core. UCTC along ser and cal coated fract 150/30 TCA. LCTC parallel to 4mm ser vein (irregular) at 60/120 TCA.
63.400	63.401	Slickenlines in ser and hem coating.
64.000	64.150	LGY QMO. See description at 63.2-63.4m.
64.700	64.850	Xenolith, splotchy, chl rich
65.200	68.200	Hem overprinting varying intensities, overall about 25%. Ser vein almost parallel TCA, Oried. 65.30-65.40m Alt'd QM. Light, abundant ser stringers. 2mm laminated hem and cal vein 140 TCA. Hem and ser stringers about 30% of section. 66.800-66.801m Slickenlines in hem coating - oried.
68.540	68.650	hem overprinting around ser and hem coated fract. Multiple 1mm chl veins around zone.

HOLE: TH08-15 Lithology					Oxidation				Alteration						Structure				Infill (veining)								Comments		
From	To	Litho-1	Litho-2	Litho-3	From	To	Oxidation	Colour	From	To	Mafics	Felsic	Overprint	Occurrence	From	To	Struc-1	Struc-CA	From	To	Inf-Mineral	Inf-Type	Thickness mm	Inf-%	Inf-CA	From	To	Comments
									68.80	70.10	chlorite, sphalerite,			pervasive					69.300	69.310	calcite,	planar	2	2	20	69.300	69.310	2x2mm cal veins 20 TCA
																										69.700	70.100	chl rich alt'd QM with hem, ser and chl stringers
70.10	78.00	Tinta Vein			SEE ATTACHED DETAILED VEIN LOG																					77.800	78.00	vugs from alt'd feldspars. 77.80-79.25m white clay alt'd QM with ox. Alt'd sections of complete ox and level one ox. In intense sections MG. QM texture is hard to see due to ox and mafic min. 78.55-78.90m 0.5-3cm wide ser vein 30/150 TCA. MnOx present on edge of some of ser vein along fract edge at 78.90m. 77.80-79.60m - about 1% diss py. 79.60-80.90m about 5% diss py 80.5-80.9 - py appears to only be on top half of core. 79.9-81.90m faint mineral alignment 130-140 TCA. 79.52-79.75m feldspars more distinct. 1.5cm clay alt'd white phenos of feldspar
78.00	81.90	Quartz Monzonite	equagranular	medium-grained	78.00	79.30	Complete oxidation	white	78.00	81.90		clay, sericite		pervasive					78.600	78.900	sericite,	planar	1	30	30	78.00	81.900	vugs from alt'd feldspars. 77.80-79.25m white clay alt'd QM with ox. Alt'd sections of complete ox and level one ox. In intense sections MG. QM texture is hard to see due to ox and mafic min. 78.55-78.90m 0.5-3cm wide ser vein 30/150 TCA. MnOx present on edge of some of ser vein along fract edge at 78.90m. 77.80-79.60m - about 1% diss py. 79.60-80.90m about 5% diss py 80.5-80.9 - py appears to only be on top half of core. 79.9-81.90m faint mineral alignment 130-140 TCA. 79.52-79.75m feldspars more distinct. 1.5cm clay alt'd white phenos of feldspar
					80.20	80.40	Complete oxidation	white																				
					80.40	81.90	<5cm from fractures	white																				
81.90	86.10	Tinta Vein			SEE ATTACHED DETAILED VEIN LOG																					85.900	86.10	alternating zones of L-GY QMO and BU QMO, both with K-spar phenos. Faint mineral lineation in grey sections 40-50 TCA. Zone of increased ser alt'n in BU sections. 85.90-86.30m L-GY QM with up to 1cm K-spar phenos. 86.30-86.40m Zone of hem staining. 86.40-86.60m Ser Qtz and Cal vein with about 1% diss py. Custard yellow alt'n on either side of vein. 86.10-87.20m BU QM about 25% ser. Zone with 3-5 cm qtz bleb 50 TCA. Alt's xenoliths, chl alt'd to ser (?) epi? Orange mineral (Sphene?) present. NOTE: I think sphene looks orange at times, I likely mean sphene - KD. 87.20-88.90m L-GY QM with 0.5-3cm K-spars. Localized zones of increased chl . Mineral fabric-faint, 120 TCA. 88.90-90.90m BU/Pl QM localized zones of increased ser alt, about 30%. Ser/barrite (?) vein at 90.6m associate with orange/custard yellow alt'n
86.10	87.20	Quartz Monzonite	seriate	medium-grained	86.10	87.20	At fractures	Light grey	86.10	87.20	chlorite, sphalerite, hematite	sericite,	quartz	pervasive					86.400	86.410	quartz, sericite, calcite, pyrite	planar	10	100	60	86.10	87.20	alternating zones of L-GY QMO and BU QMO, both with K-spar phenos. Faint mineral lineation in grey sections 40-50 TCA. Zone of increased ser alt'n in BU sections. 85.90-86.30m L-GY QM with up to 1cm K-spar phenos. 86.30-86.40m Zone of hem staining. 86.40-86.60m Ser Qtz and Cal vein with about 1% diss py. Custard yellow alt'n on either side of vein. 86.10-87.20m BU QM about 25% ser. Zone with 3-5 cm qtz bleb 50 TCA. Alt's xenoliths, chl alt'd to ser (?) epi? Orange mineral (Sphene?) present. NOTE: I think sphene looks orange at times, I likely mean sphene - KD. 87.20-88.90m L-GY QM with 0.5-3cm K-spars. Localized zones of increased chl . Mineral fabric-faint, 120 TCA. 88.90-90.90m BU/Pl QM localized zones of increased ser alt, about 30%. Ser/barrite (?) vein at 90.6m associate with orange/custard yellow alt'n
																			87.000	87.003	calcite, sericite	planar	3	100	60			

HOLE: TH08-15 Lithology					Oxidation				Alteration						Structure				Infill (veining)							Comments		
From	To	Litho-1	Litho-2	Litho-3	From	To	Oxidation	Colour	From	To	Mafics	Felsic	Overprint	Occurrence	From	To	Struc-1	Struc-CA	From	To	Inf-Mineral	Inf-Type	Thickness mm	Inf-%	Inf-CA	From	To	Comments
87.20	88.90	Quartz Monzonite	seriate	medium-grained	87.20	88.90	At fractures	Light grey	87.20	88.90	chlorite, sphalerite, hematite			pervasive												87.20	88.90	alternating zones of L-GY QMO and BU QMO, both with K-spar phenos. Faint mineral lineation in grey sections 40-50 TCA. Zone of increased ser alt'n in BU sections. 85.90-86.30m L-GY QM with up to 1cm K-spar phenos. 86.30-86.40m Zone of hem staining. 86.40-86.60m Ser Qtz and Cal vein with about 1% diss py. Custard yellow alt'n on either side of vein. 86.10-87.20m BU QM about 25% ser. Zone with 3-5 cm qtz bleb 50 TCA. Alt's xenoliths, chl alt'd to ser (?) epi? Orange mineral (Sphene?) present. NOTE: I think sphene looks orange at times, I likely mean sphene - KD. 87.20-88.90m L-GY QM with 0.5-3cm K-spars. Localized zones of increased chl . Mineral fabric-faint, 120 TCA. 88.90-90.90m BU/Pl QM localized zones of increased ser alt, about 30%. Ser/barrite (?) vein at 90.6m associate with orange/custard yellow alt'n
88.90	90.90	Quartz Monzonite	seriate	medium-grained	88.90	90.40	At fractures	buff	88.90	90.90	chlorite, sphalerite, hematite			pervasive												88.90	90.900	alternating zones of L-GY QMO and BU QMO, both with K-spar phenos. Faint mineral lineation in grey sections 40-50 TCA. Zone of increased ser alt'n in BU sections. 85.90-86.30m L-GY QM with up to 1cm K-spar phenos. 86.30-86.40m Zone of hem staining. 86.40-86.60m Ser Qtz and Cal vein with about 1% diss py. Custard yellow alt'n on either side of vein. 86.10-87.20m BU QM about 25% ser. Zone with 3-5 cm qtz bleb 50 TCA. Alt's xenoliths, chl alt'd to ser (?) epi? Orange mineral (Sphene?) present. NOTE: I think sphene looks orange at times, I likely mean sphene - KD. 87.20-88.90m L-GY QM with 0.5-3cm K-spars. Localized zones of increased chl . Mineral fabric-faint, 120 TCA. 88.90-90.90m BU/Pl QM localized zones of increased ser alt, about 30%. Ser/barrite (?) vein at 90.6m associate with orange/custard yellow alt'n
					90.40	90.90		buff																				
90.90	100.00	Quartz Monzonite	porphyritic	coarse-grained	90.90	100.00		dark grey	90.90	96.60	chlorite, sphalerite, hematite			pervasive					90.900	91.200	chlorite,	planar	1	10	60	90.900	91.800	alternating sections of light and mafic QM. Lighter sections contain K-spar phenos, 0.5-2cm. Darker are more EG and range from MG to CG. Min alignment more noticeable in darker areas. 90.90-91.20m Chl stringers, contain small amount of custard yellow alt'n.
																			92.300	92.302	sericite,	planar	2	100	30	92.320	92.322	2mm ser vein with hem stringers 30 TCA. Mafic starts. Slight hem staining
																										92.620	92.621	CTC btw light and dark QMO. 60-70 TCA, not as sharp as above contacts
																										92.920	92.960	4cm wide fault zone in light QM. Core rubbly and broken with 40% clay in gouge zone - more crumbly than sticky. Ox on fracture surface. NOTE: this is what I was calling a clay alt'd fracture zone in TH08-26
																										93.000	93.280	2cm xenolith increased chl, but also contains K-spar phenos and two bands of sharp, well defined feldspars.
																										94.400	94.401	LCTC 95 TCA start of light QMO
																										94.800	94.801	end of light QMO 40-140 TCA
																										95.030	95.031	end of dark QMO, UCTC at 94.8. 40/140 TCA
																			95.200	95.210	quartz,	planar	10	100	60	95.700	95.701	end of light QMO 40-140 TCA
									96.60	100.00	chlorite, sphalerite, hematite			pervasive					97.900	97.907	quartz,	planar	7	100	50	96.660	96.661	end of mix light/dark - start of mafic 96.66m.
															98.500	98.501	fractures	70	98.500	98.505	sericite,	planar	5	100	70	98.500	98.501	ser and chl vein/fract. Chl coating outside ser fract in middle of 6cm wide zone of sharp, well defined feldspars.
																			99.000	99.004	calcite, sericite	planar	4	100	50	99.125	99.880	fract parallel TCA
																			99.800	99.815	quartz, hematite	planar	15	100	60	99.800	99.801	Qtz vein on fract with hem coating
100.00	101.20	Quartz Monzonite	porphyritic	coarse-grained	100.00	100.80		dark grey	100.00	101.00	chlorite	clay,		pervasive	100.700	100.701	xenolith		100.700	100.706	chlorite, sericite, calcite,	planar	6	100	50	100.000	117.200	Light QM 25% Qtz, 15 % mafics. Dark QM 30% Mafics, 15% Qtz. Alternates through sections
					100.80	101.20	At fractures	dark grey	101.00	101.20	chlorite	clay,		pervasive												100.800		alt'd xenolith - very dispersed. 60-70 TCA.
101.20	110.80	Quartz Monzonite	porphyritic	coarse-grained	101.20	109.00	At fractures	Light grey	101.20	103.20	chlorite	clay,		pervasive					104.900	104.902	sericite,	planar	2	100	60	101.300	109.000	MnOx on fractures. Very minor amounts of sphene >1% present. Fades in and out.
									103.20	110.80	chlorite, sphalerite,	clay,		pervasive	103.5	103.501	contact	60								101.200		end of mafic section

HOLE: TH08-15 Lithology

From	To	Litho-1	Litho-2	Litho-3
109.00	110.80			Light grey
110.80	117.20	Quartz Monzonite	porphyritic	coarse-grained
117.20	118.00	Quartz Monzonite	porphyritic	coarse-grained
118.00	118.50	Quartz Monzonite	porphyritic	coarse-grained
118.50	118.90	Quartz Monzonite	porphyritic	coarse-grained
118.90	121.80	Quartz Monzonite	porphyritic	coarse-grained

Oxidation

From	To	Oxidation	Colour
110.80	111.40	At fractures	dark grey
111.40	117.20		dark grey
118.00	118.50		white
118.50	118.90		Light pink
118.90	119.80		white
119.80	120.70	At fractures	white
120.70	121.80		white

Alteration

From	To	Mafics	Felsic	Overprint	Occurrence
110.80	116.20	chlorite, sphalerite,	clay,		pervasive
116.20	116.60	chlorite, sphalerite,	clay,		pervasive
116.60	117.20	chlorite, sphalerite,	clay,		pervasive
117.20	118.00	sphalerite	clay,		pervasive
118.00	118.50	sphalerite	clay,		pervasive
118.50	118.56			hematite	blebby
118.56	118.90	sphalerite	clay,		pervasive
118.90	119.30	sphalerite	clay, sericite		pervasive
119.30	119.90	sphalerite	clay, sericite		pervasive
119.90	120.40	sphalerite	clay, sericite		pervasive
120.40	120.60	sphalerite	clay, sericite		pervasive
120.60	121.80	sphalerite	clay, sericite		pervasive

Structure

From	To	Struc-1	Struc-CA
113.500	113.501	slickenlines	
113.600	113.601	slickenlines	

Infill (veining)

From	To	Inf-Mineral	Inf-Type	Thickness mm	Inf-%	Inf-CA
105.800	105.810	quartz,	planar	10	100	80
105.800	105.810	quartz,	planar	10	100	80
106.100	106.103	sericite,	planar	3	100	60
106.800	106.804	sericite,	planar	4	100	80
109.800	109.815	K-feldspar,	planar	15	100	60
113.000	113.200	hematite, chlorite	stockwork	1	5	
113.500	113.507	chlorite, calcite	planar	7	100	90
113.600	113.606	chlorite,	planar	6	100	90
116.600	116.610	sericite,	planar	10	75	60
117.600	117.603	sericite,	planar	3	100	30
117.800	117.810	sericite,	stockwork	1	90	90
118.500	118.505	sericite,	planar	5	100	60
119.100	119.650	sericite,	stockwork	1	10	40
119.650	119.652	sericite, chlorite	planar	1	100	60
119.652	119.900	sericite,	stockwork	1	10	40

Comments

From	To	Comments
101.200	110.800	L-GY Pl QM with alternating section so whiter more distinct feldspars and grayer less distinct zones. Ser on fract surfaces. K-spar phenos 0.5-2cm.
103.500	103.501	UCTC btw L-GY and white feldspar sections. Minor ser stringers, 60/120 TCA. LCTC is blurred
104.900	104.901	ser vein on fract surface
105.950	105.951	5mm fract with ser - ser is crumbly, mixed with QM - vein/fract
110.600	110.900	ser coated and ox fract parallel TCA. 110.80m Mafic QM starts. Fewer K-spars phenos, size of phenos decrease to 3mm-1cm. Very few at 1cm. Hem coating present on fracture surfaces. Zones of more distinct white/pink tinged feldspars.
113.000	113.200	Zone of distinct feldspars. STW hem and chl veins
113.500	113.501	fracture with 3mm chl vein and 4mm cal veins, slickenlines in hem coating
114.000	114.150	Qtz and chl rich zone where chl is in bands 75 TCA
114.400	117.200	increase in occurrence of K-spars, 0.5-1cm
116.200	116.220	2cm wide bleb of K-spar with 5mm phenos of chlorite
117.200	118.000	Banded QMO. 05.-1.5cm bands of k-spar interspersed with bands of chl. Qtz grains are also elongated but don't form as continuous bands. Plag felds are beige/orange/pink. Bands at 60 TCA. 117.63m Ser vein cross cutting above bands 150/30 TCA.
117.900	117.910	1cm zone flooded with ser along fract 90 TCA. Fract also has cal coating
117.910	118.00	Beige zone with sphene and qtz creating band 40 TCA. Occasional green feldspar phenos up to 1cm. Feldspar phenos softer- more altered. 118.5 Ser vein marks contact btw beige zone and K-spar banded QM. 118.46-118.50m ser flooded zone, about 20%
118.00	118.500	Beige zone with sphene and qtz creating band 40 TCA. Occasional green feldspar phenos up to 1cm. Feldspar phenos softer- more altered. 118.5 Ser vein marks contact btw beige zone and K-spar banded QM. 118.46-118.50m ser flooded zone, about 20%
118.500	118.900	banded k-spar QM. Ser vein/fract at 118.7 140/40TCA. 118.50-118.56 Hem overprint, about 50%
118.900	119.100	Mafic chl rich QM - minor sections, not noted in colour log
119.100	119.900	Ser stringers. Can't see QM texture 119.65m - Vein fract w/ MnOx on surface, oxidation 0.5-1cm from fracture. Laminated ser and chl vein with Sphal and py. Faint yellow alt 6cm before vein, custard yellow alt 4cm after vein. Custard yellow alt'n decreases, but continues to 120.6
119.900	120.600	Clay alt'd QM. Clay alt'n starts at about 10%, increases to 30% at 120.4-120.6 120.2 - Bleb of mafics with disseminated py, >1%
120.600	121.300	Light beige QM with 0.5-1cm k-spar phenos. 121.14-121.19m Fault/gouge zone, crumbly whit QM, about 60% clay, 'dry gouge' - NOTE Called this a clay alt'd fault zone when logging TH08-26
121.300	121.800	QM with k-spar phenos - banded k-spar and Qtz 130/50 TCA

HOLE: TH08-15 Lithology					Oxidation				Alteration						Structure				Infill (veining)							Comments		
From	To	Litho-1	Litho-2	Litho-3	From	To	Oxidation	Colour	From	To	Mafics	Felsic	Overprint	Occurence	From	To	Struc-1	Struc-CA	From	To	Inf-Mineral	Inf-Type	Thickness mm	Inf-%	Inf-CA	From	To	Comments
121.80	124.40	Quartz Monzonite	equagranular	coarse-grained	121.80	124.40		dark green	121.80	124.40	chlorite, sphalerite,	clay,		pervasive	122.650	122.651	contact	50								121.800	124.400	Mafic QM with two sections of Beige 10% ser alt'd QM, with hem and ser stringers, fracts at 30 TCA. 122.65-122.9m - Lighter beige zone, UTC 130/50 TCA. 122.7m -slickenlines in calcite coating. 122.75 - 8mm laminated feldspar and ser vein. 122.9m LCTC defined by hem staining around fract and ser vein. 123.26-123.54m - light beige QM with ser stringers.
															122.700	122.701	slickenlines		122.700	122.708	feldspar, sericite	planar	8	100	50			
															122.900	122.901	contact	50	122.900	122.902	sericite,	planar	2	100	50			
															123.300	123.301	contact	40										
																			123.400	123.401	sericite,	planar	1	100	20			
															123.700	123.701	slickenlines											
															124.100	124.101	slickenlines											
124.40	125.30	Quartz Monzonite	porphyritic	coarse-grained	124.40	125.30		buff	124.40	125.30		clay,		pervasive					125.100	125.200	sericite, quartz, chlorite,	planar	2	2	60	124.400	125.300	Beige alt'd QM with ser stringers. 124.4124.55m - Chl alt'n - light GN mineral. Hem stringers, faint hem overprint. 124.55-124.8m - chl alt'd to brown mineral, chl stringer 0.5cm, K-spar phenos. 124.8-125.05m - fine grained pervasively ser alt'd siliceous QM unit with MnOx on fract surfaces. Half of the zone is pervasively hem alt'd - red/PPU. Can see qtz and sphene and hem in groundmass. Contact btw hem alt'd an dser zone is irregular. Grain texture appears to be continuous across the colour zones. LCTC with beige QM is sharp, 60 TCA. Ser vein alt'd to custard yellow, 4mm wide and parallel TCA. 125.05-125.3m - BU alt'd QM w/ ser stringers 60 TCA.
125.30	126.00	Quartz Monzonite	equagranular	coarse-grained	125.30	125.50		buff	125.30	126.00	sphalerite	clay,	hematite	pervasive												125.300	126.000	Mafic QM
					125.50	126.00		dark green																				
126.00	127.20	Quartz Monzonite	porphyritic	coarse-grained	126.00	127.20		Light green	126.00	127.20	sphalerite	clay, sericite	hematite	pervasive	126.000	126.001	fault									126.000	126.150	fault zone in 60% clay alt'd white QM with 15 % chl. Gouge very crumbly, dry, 10 after zone about 40% clay, then drops to 20% clay.
																			126.100	127.200	sericite,	planar	2	10	60	126.150	127.200	ser and clay alt'd QM with 2mm ser stringers 50-60 TCA. Brown clay alt'n coating stringers and in some areas of section
127.20	127.50	Tinta Vein			127.20	127.50		Light green	127.20	127.50	sphalerite	clay, sericite	hematite	pervasive	127.400	127.401	fractures	40	127.200	127.250	chlorite, quartz, pyrite, sphalerite, galena,	planar	50	100	40	127.200	127.500	Vein zone with custard yellow alt'n in 4cm zone of intense ser alt'n, about 75%. Vein is laminated, 2.5cm qtz/chl, 2mm ser, 1.5 cm alternating qtz and chl. 2mm ser, 1mm chl, fracture, then 2cm chl mixed in with almost pure ser. Sphalerite is in 1.5 cm chl/qtz vein with py, py continues into Qtz, but not sphalerite. Sharp decrease in sx content after first 1.5cm section. Py continues to other side of fracture, >1%. Most concentrated along hairline chl veins. >1% galena in qtz chl laminated section. 127.45 irregular red splotch of hem overprint (5cmx 5cm) of ser alt'n and ser stringers. Contact btw ser zone and alt'd QM is irregular, marked by ser stringers surrounding blebs of hem alt'd QM. Custard yellow alt'n on feldspars and 0.5cm K-spar phenos. k-spar phenos continue, but have increase concentration at contact.
127.50	132.60	Quartz Monzonite	porphyritic	coarse-grained	127.50	129.70		Light green	127.50	129.70	sphalerite	clay, sericite	hematite	pervasive					127.250	129.400	sericite,	planar	2	10	60	127.500	129.700	BU alt'd QM with ser stringers. Localized zone from 127.65-128.05m of brown clay alt'n. Phenos of green feldspar 0.5-1cm. 127.66 - diss by >1% py in alt'd QM
																			129.400	129.410	sericite,	planar	10	100	50			
																			129.410	132.600	sericite,	planar	2	10	60			
					129.70	132.60		pink	129.70	132.60	sphalerite	clay, sericite	hematite	pervasive												129.700	131.100	Hem staining but same lith as above. Ser stringer parallel TCA. 129.7-130.6 2mm K-spar phenos change to green at 130.6m.
																										131.100	132.600	Core looks washed - hard to see individual grains. Colour alternates from L-GN to Pl. No contact angles, boundaries are not sharp.
132.60	133.80	Quartz Monzonite	equagranular	coarse-grained	132.60	133.80		dark green	132.60	133.80	sphalerite		hematite	pervasive												132.600	133.050	Chl increase, grains are sharp. Texture CG. Chl forms bands along hem stringers, 40 TCA. K-spar phenos about 0.5cm present in zones, usually don't see K-spar associated with more mafic QM.
																										133.050	133.100	5cm zone of almost all feldspar. K-spar and plag mixed together with phenos of chlorite.

HOLE: TH08-15 Lithology					Oxidation				Alteration						Structure				Infill (veining)								Comments		
From	To	Litho-1	Litho-2	Litho-3	From	To	Oxidation	Colour	From	To	Mafics	Felsic	Overprint	Occurrence	From	To	Struc-1	Struc-CA	From	To	Inf-Mineral	Inf-Type	Thickness mm	Inf-%	Inf-CA	From	To	Comments
																										133.100	133.400	Zone of intense hem alt'n and hem veining. 50/130 TCA. 3cm red hem with qtz stringers and >1mm grains of qtz and feldspar. 1cm section of ser, zone bounded by 2mm cal/qtz vein. Hem veins parallel to Qtz/cal, surrounding clasts of alt'd felds(?). Clasts are green on the edges, yellow/brown in the middle and cut by very fine stringers of hem. Chl stringers become more intense as Hem stringers stop. hem staining continues as feldspar and CG QM texture reappears. Took pictures.
																										133.400	133.800	Mafic QM with min fabric 40 TCA
133.80	135.00	Quartz Monzonite	porphyritic	coarse-grained	133.80	135.00		Light buff	133.80	134.40	sphalerite	clay, sericite	hematite	pervasive												134.800	135.000	Light alt'd QM with ser veins and green k-spar phenos.
									134.40	135.00	sphalerite			pervasive														
135.00	135.80	Quartz Monzonite	equagranular	coarse-grained	135.00	135.80		dark green	135.00	135.80	sphalerite			pervasive												135.000	135.800	D-GN BU with more typical mafic texture
135.80	136.00	Quartz Monzonite	porphyritic	coarse-grained	135.80	136.00		Light green	135.80	136.00	sphalerite			pervasive												135.800	136.000	alternating GN and PI QM.
136.00	141.60	Tinta Vein			SEE ATTACHED DETAILED VEIN LOG																								
141.60	144.80	Quartz Monzonite	porphyritic	coarse-grained	141.60	144.80		buff	141.60	144.80	sphalerite	clay, sericite		pervasive					141.800	141.810	sericite,	planar	10	100	40	141.600	144.800	Alt QM with green phenos - hem and ser stringers. Brown clay alt'n - (replaces mafics?) present in this section. Phenos 05.-2cm, min fabric 40-50 TCA. 141.6-142.54 Sampled core, see Cor's vein log. 142.60-142.90m Localized zone of intense ser alt'n. Clay alt'n about 20%. 142.8 slickenlines in ser coated fract. 142.80m 1cm ser qtz and chl vein with 1% py in zone of custard yellow clay alt and intense ser stringers.
																			142.800	142.810	sericite, quartz, chlorite, pyrite	planar	10	100	50			
																			144.000	144.015	sericite, chlorite, calcite, pyrite, sphalerite, galena	laminated	15	100	60	144.000		Sphal and galena in chl. Py disseminated through ser and beyond vein about 2cm either side of vein.
144.80	147.00	Quartz Monzonite	porphyritic	coarse-grained	144.80	147.00		Light grey	144.80	147.00	sphalerite	clay, sericite		pervasive												144.800	147.000	GY GN QM with K-spar phenos - decrease in ser stringers. Areas of increased clay alt'n - feldspars are more distinct. Ser coated fracts 50 TCA. Patches of increased ser - mafic rock Green and K-spars alt'd to green. 1457.-146.10m increased brown clay alt'n. Feld phenos alt'd to brown clay.
147.00	150.60	Quartz Monzonite	porphyritic	coarse-grained	147.00	150.60		Light buff	147.00	150.60	sphalerite	clay, sericite		pervasive	147.300	147.301	slickenlines		147.200	147.202	quartz, clay	planar	2	100	20	147.00	150.60	BU L-GY QM with stringers alt'd to brown clay. K-spar phenos alternate between pink to green, 0.5-2cm. Pink K-spar in zones of fresher more grey QM, grades in to green BU alt'd sections. 147.2 clay coated qtz vein. 147.35slickenlines in qtz coating. 148.3 elongated green feldspars forms min fabric 60 TCA. 148.3-149.7 vein parallel TCA - 2mm ser and clay (brown) fractured along vein from 148.5-149.05. 149.45-149.72-custard yellow alt'n on feldspars. k-spars go from pink to green. 149.65 fault gouge along fract parallel to vein. Laminated vein of qtz and ser. Brown clay micro stringer braided around sections of qtz and ser. Hem staining on part of vein. 150.3-151.10m splotchy custard yellow alt'n of feldspars. Green feldspar phenos up to 2 cm and brown clay alt'n
															147.350	147.351	fractures		147.400	147.402	quartz, chlorite	planar	2	100	30			
															148.000	148.001	fractures	30	148.000	148.003	quartz,	planar	3	100	30			
																			148.100	148.102	clay, sericite	BR	2	85	50			
																			149.600	149.007	quartz, sericite, clay,	planar	7	100	40			
																			150.400	150.402	sericite, clay	planar	2	100	40			

HOLE: TH08-15 Lithology					Oxidation				Alteration						Structure				Infill (veining)							Comments		
From	To	Litho-1	Litho-2	Litho-3	From	To	Oxidation	Colour	From	To	Mafics	Felsic	Overprint	Occurrence	From	To	Struc-1	Struc-CA	From	To	Int-Mineral	Int-Type	Thickness mm	Int-%	Int-CA	From	To	Comments
150.60	152.00	Quartz Monzonite	porphyritic	coarse-grained	150.60	151.10		Light buff	150.60	151.10	sphalerite	clay, sericite		pervasive	150.600	150.601	gouge	50								150.60	151.100	BU L-GY QM with stringers alt'd to brown clay. K-spar phenos alternate between pink to green, 0.5-2cm. Pink K-spar in zones of fresher more grey QM, grades in to green BU alt'd sections. 147.2 clay coated qtz vein. 147.35slickenlines in qtz coating. 148.3 elongated green feldspars forms min fabric 60 TCA. 148.3-149.7 vein parallel TCA - 2mm ser and clay (brown) fractured along vein from 148.5-149.05. 149.45-149.72-custard yellow alt'n on feldspars. k-spars go from pink to green. 149.65 fault gouge along fract parallel to vein. Laminated vein of qtz and ser. Brown clay micro stringer braided around sections of qtz and ser. Hem staining on part of vein. 150.3-151.10m splotchy custard yellow alt'n of feldspars. Green feldspar phenos up to 2 cm and brown clay alt'n
					151.10	151.80		Light grey	151.10	151.80	sphalerite	clay,		pervasive												151.100	151.800	LGY fresh QM with 0.5-2cm phenos K-spar. 151.6-151.65 Fault zone. Clay gouge along former ser vein. Can see ser coating on fract surfaces. 80% clay, 20% ser vein pieces. FAU=0.5cm gouge, FAU2= 1cm gouge
					151.80	152.00		Light buff	151.80	152.00	sphalerite	clay,		pervasive												151.800	152.00	Gradational contact from LGY to BUGN. Splotchy custard yellow alt'n on felds, brown clay alt'n and green felds
152.00	152.90	Quartz Monzonite	porphyritic	coarse-grained	152.00	152.90		Light buff	152.00	152.90	sphalerite	clay,		pervasive					152.400	152.420	quartz, sericite, clay, calcite, pyrite, sphalerite, galena,	planar	20	100	40	152.00	152.900	Gradational contact from LGY to BUGN. Splotchy custard yellow alt'n on felds, brown clay alt'n and green felds
																										152.400	152.420	2cm qtz ser chl vein with custard yellow clay alt'n. Diss py 2cm before vein, >1%. Diss py 1cm after vein, >1%. Py and spahl concentrated along chl portion of vein.
152.90	155.10	Quartz Monzonite	porphyritic	coarse-grained	152.90	155.10		Light green	152.90	155.10	sphalerite	clay,		pervasive					152.900	152.903	hematite, calcite	breccia	3	100	20	152.900	155.100	0.5-2cm k-spar phenos localized patches of BU increased clay with custard yellow alt'n. Patches of hem staining. 152.90m Hem and cal vein with vugs marks boundary btw altered and fresher QM. Lenses of qtz and ser in vein. Brecciated.
																			153.800	153.806	calcite, quartz, sericite,	planar	6	100	50			
																			154.000	154.015	clay, sericite, quartz,	planar	15	100	50			
155.10	156.40	Quartz Monzonite	porphyritic	coarse-grained	155.10	156.40		Light grey	155.10	156.40	sphalerite	clay,		pervasive												155.100	156.400	greyer QM, pink k-spar phenos grade into more clay alt'd zones with well defined feldspar crystals. Alteration in bands at 60/120 TCA
156.40	163.20	Quartz Monzonite	porphyritic	coarse-grained	156.40	161.30		Light buff	156.40	161.30	sphalerite	clay, sericite		pervasive					156.700	156.700	chlorite, galena	planar	1	100	60	156.400	161.300	K spar phenos pink altering to green. Patches of custard yellow alt'n. Ser increases down section. 1mm chl stringer with 1% galena, only in chl vein.
					161.30	163.20		Light grey	161.30	163.20	sphalerite	clay,		pervasive	161.700	161.701	gouge	85								161.700	161.710	Fault gouge with pieces of QM with 60% clay
															162.300	162.500	xenolith	50								162.340	162.470	Chl rich bands-xenoliths with light GY QM bands between them parallel to min fabric
															162.700	162.701	fractures	50										
																										162.750	163.20	clay alt'd zone. Feldspars more distinct. Zone around fract with hem alt'n around fract
163.20	184.10	Quartz Monzonite	porphyritic	coarse-grained	163.20	164.00		Light green	163.20	184.10	sphalerite	clay,		pervasive	166.800	169.000	xenolith	50								163.20	163.340	clay alt'd zone. Feldspars more distinct. Zone around fract with hem alt'n around fract
					164.00	184.10		Light grey																		163.340	164.140	LGN and HW QM. Clay about 20% K-spar starting to alter to clay, brownish.
																										166.800	166.890	xenolith chl rich with qtz bands UCTC=130 TCA LCTC=130 TCA
																										167.300	167.320	chl rich bleb of xenolith, not as banded as others. 2cm with, UCT and LCTC =130 TCA.
																										167.400	167.490	banded xenolith qtz band in chl rich section. UCTC and LCTC=50 TCA
																										168.700	168.701	min fabric = 50 TCA
																			170.000	170.003	sericite,	planar	3	100	40			
																										172.500	173.700	oxidized clay vein in fract parallel TCA. From 172.5-173.7 QM contains 0.5-2cm pink k-spar phenos increased chl and ser around CA(?) Parallel fract-about 1cm on either side K-spars adjacent to fract alt'd to chl, half green the other pink at 173.5 chl increases, phenos of chl custard yellow alt'n of feldspars. Fract ends at fresh light QM and ground core.
																										174.700	175.000	light QM

HOLE: TH08-15 Lithology					Oxidation				Alteration						Structure				Infill (veining)								Comments		
From	To	Litho-1	Litho-2	Litho-3	From	To	Oxidation	Colour	From	To	Mafics	Felsic	Overprint	Occurrence	From	To	Struc-1	Struc-CA	From	To	Inf-Mineral	Inf-Type	Thickness mm	Inf-%	Inf-CA	From	To	Comments
																										175.000	175.600	fract parallel TCA oxidized on fract with cal, no increase in chl and ser as above.
																										175.600	175.640	4cm increase clay alt'd zone, felds more distinct 30-40 TCA
																										177.060	177.750	1.5 cm banded chl xenolith
																										177.060	178.750	LGY k-spar phenos, colour changes a bit but largely the same
															177.100	177.101	xenolith	90										
																										179.600	180.300	patches of increased chl, xenoliths, alt so you can see the QM texture, 4cm
															179.900	179.901	xenolith	85								179.900	179.920	2cm 95TCA xenolith
																										180.260	180.900	Clay increase to about 20%, custard yellow along ser and clay vein parallel TCA. Hem and cal vein parallel TCA. Fract forming along vein. Half the core is PN/WH the other is DGN - alt zone of chl - remnant of xen? Has CG QMO texture.
																			181.600	181.602	sericite,	planar	2	100	50	181.500	183.000	fract parallel TCA oxidized, ser and cal coating 181.50m ser vein. 182.8-183.0m - ser flooded zone. MG QMO along hairline fracts - EG
																										183.300	184.100	LGY PO QM
184.10	199.60	Quartz Monzonite	equagranular	medium-grained	184.10	199.60		dark grey	184.10	199.60	sphalerite	clay,		pervasive	189.300	189.301	contact		194.500	194.504	chlorite,	planar	4	100	30	184.100	199.600	QM changes to DGY ME EG. Very mafic, abundant amphiboles and chl. Bands of qtz common, most of the mafic QM has min fabric. Sections of lighter QM with K-spar phenos present but lith is dominantly mafic. Contacts btw lighter and mafic QM can be gradational or sharp. Alost no stringers and less coating on fract surfaces. 184.10-185.60m - Banded mafic QMO, bands of qtz 60-70 TCA. 184.50m - ultra mafic section, mafics=50%, qtz=5%. 185.6-187.55m - light QMO with k-spar phenos. UCTC 40 TCA. 187.55-189.10 banded mafic QM. Bands at 120 TCA. 188.3-0m Qtz stringers with increased clay alt'n around more distinct feldspars, 60 TCA. 188.50m Qtz band 110-120 TCA. 189.35m contact btw mafic and lighter QM. 190.50m - min lineation 50 TCA. 193.3- min lineation 120 TCA. 194.50m chlvein/fract 4mm vein with chla nd ser slt'n. 1.5cm on either side of fract, 150 TCA. 195.1-196.90m - Light QM w/k-spar phenos, contact along fract 150 TCA.

NORTHERN FREEGOLD RESOURCES LTD.

DDH Core Logging Form

Hole: TH08-15 Project: Freegold Property/Zone: Tinta Hill

* Box 3, 4, 17, 18, 20, 52, 33, 54 only.

Elevation: _____ Total depth: _____ Drill contractor: _____ Logged by/date: C C / /
UTM E: _____ (NAD83) BTOx: _____ Date started: _____ Relogged by/date: / /
UTM N: _____ BPOx: _____ Date completed: _____
Dip: _____ Grid Coord.: _____
Azimuth: _____ Target: _____ Core size: _____

Downhole Survey

Azimuth	Dip	Depth

Core		Lithology		Alteration			Mineralization (%)		Veins					Veins		Samples				Comments
Depth (m)		Rock	Description	Mafics	Felsics	Other			Depth (from)	Depth (to)		Width	Gangue	Ore	Comments	Interval (m)		Length (m)	No.	(QA/QC, sample description, recovery, etc.)
from	to	name		Mineral Alt.*	Mineral Alt.	Mineral Alt.	Mineral %	Texture								from	to			
12.80	13.20		qtz Magnetite feldspar, broken pcs strongly alt'd; gr greenish colour. mafics chloritized; feldspars milky white clays. Stained brn surface weathering of fractures.	chlorite	clay	minor sericite minor silicification									broken pcs qtz mang.	12.80	13.20	0.4	154212	
																STANDARD			154213	STANDARD CDN HLHZ
13.20	13.60		vein				galena 5% massive sphalerite 5% massive chalcopyrite 5% massive pyrite 15% disseminated/massive									13.20	13.60	0.4	154214	vein
			broken pcs ± massive blebs of galena up to 1 cm and interspersed vuggy qtz fillings. Also massive sphalerite blebs up to 1 cm. Massive and disseminated py throughout and ± qtz. Blebs of massive chalco < 1 cm along fractures (limonite?).													13.60	14.40	0.8	154215	
																			154216	BLANK
																14.40	14.60	0.20	154217	vein
																14.60	15.24	0.64	154218	
																15.24	17.20	1.96	154219	
																			154220	BLANK
																17.20	18.70	1.50	154221	
																71.0	72.0	2.0	154222	
																72.0	73.0	1.0	154223	
																			154224	STANDARD CDN HLHZ
																73.0	74.0	1.0	154225	
																			154226	BLANK
																74.	75.0	1.0	154227	vein
																75.0	76.0	1.0	154228	
																76.0	77.0	1.0	154229	
13.60	14.40	Vein Zone	It brn decomposed, crumbly, alt'd qtz mang mafic. Sheared, minor stockwork of qtz/py stringers ± minor galena specs.																	
14.40	14.60		Vein (0.20m) Blebby massive galena disseminated locally throughout qtz (silicified) matrix ± rusty limonitic cross stockwork. Py massive ± disseminated throughout and chalcopyrite rimming (massive) of qtz veining stockwork. (1 cm veining)				galena massive 5% sphalerite massive 5% chalcopyrite massive 5% pyrite disseminated + massive 10%														

*Alterations: w = weak, m = moderate, i = intense ** CA = angle to core axis Vein textures: Open, Banded, Massive, Brecciated

NORTHERN FREEGOLD RESOURCES LTD.

DDH Core Logging Form

Hole: TH23-15 Project: Freegold Property/Zone: Tinta Hill Page: 2 of 5

Elevation: _____ Total depth: _____ Drill contractor: _____ Logged by/date: C.C. 06/15/23 /

UTM E: _____ (NAD83) BTOx: _____ Date started: _____ Relogged by/date: _____ /

UTM N: _____ BPOx: _____ Date completed: _____

Dip: _____ Grid Coord.: _____

Azimuth: _____ Target: _____ Core size: _____

Downhole Survey		
Azimuth	Dip	Depth

Core		Lithology		Alteration					Mineralization (%)			Veins					Veins			Samples				Comments
Depth (m)		Rock name	Description	Mafics		Felsics		Other				Depth (from)	Depth (to)		Width		Gangue		Ore	Comments	Interval (m)		Length (m)	No.	(QA/QC, sample description, recovery, etc.)
from	to			Mineral	Alt.*	Mineral	Alt.	Mineral	Alt.	Mineral	%	Texture										from	to			
14.60	15.20		FAULT milky white, brecciated fault gouge zone with minor py, galena, & chalco clasts. Qtz Mangerite angular pcs < 2 cm within gouge matrix.																						
15.20	18.55		Qtz Mangerite strongly alt'd, mafics chloritized & feldspars to whitish clay; equigranular, fractured competent rx with stockwork stringers (< 5 mm) consisting of qtz-py-galena and sphalerite and locally blebby pyrite (dessim) < 1 cm massive. At 15.55m there is a 3 cm qtz vein at 45° to ca with blebby py-chalco clusters < 10% and vuggy infilling of euhedral qtz (vugs < 5mm dia) 17.20 - 18.10 m qtz-py-stringers < 5 mm 10 stringers / m minor chalco locally in stringers. No visible galena. Silicification envelope ~ 1 cm / stringer																						

*Alterations: w = weak, m = moderate, i = intense ** CA = angle to core axis Vein textures: Open, Banded, Massive, Brecciated

NORTHERN FREEGOLD RESOURCES LTD.

DDH Core Logging Form

Hole: THDD-15 Project: Freegold Property/Zone: Tinta Hill Page: 3 of

Elevation: _____ (NAD83)
UTM E: _____
UTM N: _____
Dip: _____
Azimuth: _____

Total depth: _____ BTOx: _____ BPOx: _____ Grid Coord.: _____
Target: _____ Target: _____

Drill contractor: _____
Date started: _____
Date completed: _____

Logged by/date: C.C. 06/16/08
Relogged by/date: /
Data entered by: _____

Core size: NTW

Downhole Survey

Azimuth	Dip	Depth

Core Depth (m) from	to	Rock name	Lithology: Description (including texture of veining)	Alteration: Mafics Mineral	Mafics Alt.*	Felsics Mineral	Felsics Alt.	Other Mineral	Other Alt.	Mineralization (%): Mineral	%	Texture	Veining: CA**	Mineral	%	Samples: Interval (m) from	to	Length (m)	No.	Comments (QA/QC, sample description, recovery, etc.)
70.0	74.0		Qtz Monzonite (strongly alt'd) mafics alt'd to chlorite & feldspars altered to milky white clays plus minor silicification. Lt green, competent hard to medium x stockwork & chlorite-sericite stringers < 5mm. Minor rust coated fractures increasing downward.													71.00	72.00	1.00	154222	
																72.00	73.00	1.00	154223	
																			154224	standard
																73.0	74.0	1.0	154225	
																			154226	blank
74.0	75.0	1.0	Vein (2mc) Vein at 74.40 - 74.70 m with stringers in HW & FW Qtz Monzonite host encompassing the interval. 74.0 - 74.41 m; mineralized stringers < 2 mm, 6/.4m at 45° tca plus random. Stringers locally consist of qtz ± minor galena, chalco ± py.													74.0	75.0	1.0	154227	vein
																75.0	76.0	1.0	154228	
																76.0	77.0	1.0	154229	
75.0	78.0		Qtz Monzonite Strongly alt'd qtz monzonite, lt green to brownish intermittently; competent w ± stockwork fracturing / stringers plus sets at 45° tca 6/m avg. Mafics alt'd to chlorite & feldspars partial to total alteration to clays. Qtz-chlorite veining stockwork, partial moderate silicification 75.5 - 75.5 m. (max 5 mm width)																	

*Alt. = Alteration Value. See Reference Sheet ** CA = angle to core axis. See Reference sheet

NORTHERN FREEGOLD RESOURCES LTD.

DDH Core Logging Form

Hole: TH08-15 | Project: Freegold | Property/Zone: Tinta Hill |

Elevation: | Total depth: | Drill contractor: | Logged by/date: C.C. / 06/16/08
UTM E: (NAD83) | BTOx: | Date started: | Relogged by/date: /
UTM N: | BPOx: | Date completed:
Dip: | Grid Coord.:
Azimuth: | Target: | Core size:

Downhole Survey		
Azimuth	Dip	Depth

Core		Lithology		Alteration			Mineralization (%)			Veins						Veins			Samples				Comments
Depth (m)		Rock	Description	Mafics	Felsics	Other													Interval (m)		Length (m)	No.	(QA/QC, sample description, recovery, etc.)
from	to	name		Mineral Alt.*	Mineral Alt.	Mineral Alt.	Mineral	%	Texture	Depth (from)	Depth (to)		Width		Gangue	%	Ore	Comments	from	to			
31.9	33.05		QTZ MONZONITE Strongly alt'd qtz-mag-? Competent rx, grey-pk = whitish feldspars alt'd to clay, mafics semi chloritized. Stockwork of fine chlorite-qtz-minor sericite stringers interlaced throughout section.	mafics to chlorite	clay	(minor silicification)													81.90	83.05	1.15m	154230	
																			83.05	84.10	1.05	154231	
																						154232	BLANK
																						154233	STANDARD CDN HLHZ
																			84.1	85.0	0.90	154234	
33.05	34.10		Mineralized QTZ MONZ sections = veinlets < 5mm and stringers cross-cutting and avg 1/10 cm. stringers/veinlets contain pyrite < 2%, and minor sphalerite/galena. Fractures vuggy stained ferrous? and irregular.	chlorite	clay	sericite (minor silicification)	pyrite		massive to dessim.															
			33.95-34.10 (15cm) BANDED QTZ VEIN containing blebs of massive galena and sphalerite (up to 2cm) along margins of qtz vein. Some intercations of secondary open space fillings of vuggy + microcrystalline qtz. Some dessim. pyrite blebs throughout. Minor chalcopyrite							33.9	34.10	0.20	qtz	10 10 10	galena sphalerite pyrite								
34.10	36.10		QTZ Monzonite (lt green, competent rx) Mod argillically alt'd qtz monzonite. Minor limonitic fractures																				

*Alterations: w = weak, m = moderate, i = intense ** CA = angle to core axis Vein textures: Open, Banded, Massive, Brecciated

no log for 86.10 m to 133.1 m

NORTHERN FREEGOLD RESOURCES LTD.

DDH Core Logging Form

Hole: TH08-15 Project: Freegold Property/Zone: Tinta Hill Page: 4 of 5

Elevation: _____ Total depth: _____ Drill contractor: _____ Logged by/date: C.C.

UTM E: _____ (NAD83) BTOx: _____ Date started: _____ Relogged by/date: _____

UTM N: _____ BPOx: _____ Date completed: _____ Data entered by: _____ 10/12/08

Dip: _____ Grid Coord.: _____

Azimuth: _____ Target: _____ Target: _____ Core size: NTW

Downhole Survey		
Azimuth	Dip	Depth

Core		Lithology		Alteration						Mineralization (%)			Veining			Samples				Comments
Depth (m)		Rock name	Description (including texture of veining)	Mafics		Felsics		Other		Mineral	%	Texture	CA**	Mineral	%	Interval (m)		Length (m)	No.	(QA/QC, sample description, recovery, etc.)
from	to			Mineral	Alt.*	Mineral	Alt.	Mineral	Alt.							from	to			
																136.0	137.4	1.4	154235	
133.1	137.4		Qtz Monzonite Progressively to strong alt'd qtz mzng with mafic intervals to chlorite and feldspars to milky white clay. >20% qtz. Micro fracture filling stock work (weak) of chlorite +/- tt to sericite. Lt green colour, competent rx. Finer grained mass from 136m. Some minor silicification.																154236	STANDARD
																137.4	138.4	1.0	154237	
																138.4	141.1	2.7	154238	
																			154239	BLANK
																141.1	141.5	0.4	154240	Vein
																141.5	142.5	1.0	154241	
137.4	141.1		Mineralized Zone of Qtz Monzonite (strongly alt'd) 137.4 - 137.5 (0.1m) Fault gouge ± fine grained sulfides dessim. ~5% sm galena, sphalerite, pyrite 137.5 - 137.6 m 3 cm qtz vein ± large <1cm blebs of galena, sphalerite and lesser chalcopyrite + pyrite in fine grained qtz matrix. 137.6 - 138.4m Mineralized thin stringer stockwork containing up to 20% sphalerite, 10% galena + minor chalcopyrite as well a one 1cm vein (qtz) running at 137. tca and having small dessim locally blebs of sphalerite + galena. (at ~ 139.2m) 138.4 - 141.1 strongly alt'd qtz mzng ± minor sulfide mineralization																	
141.1	141.5		Vein vuggy qtz vein with massive galena/sphalerite boundaries ~1cm and microcrystalline qtz filling. Open spaced fillings, possible boiling texture. Strong silicification, bcvd competent rx. Lt green ± dark grey qtz interlacing -																	

*Alt. = Alteration Value. See Reference Sheet ** CA = angle to core axis. See Reference sheet

NORTHERN FREEGOLD RESOURCES LTD.

NORTHERN FREEGOLD RESOURCES LTD.

DDH Core Logging Form

Hole: TH03-15 | Project: Freegold | Property/Zone: Tinta Hill | Page: 5 - 5

Elevation: | UTM E: (NAD83) | UTM N: | Dip: | Azimuth:

Total depth: | BTOx: | BPOx: | Grid Coord.: | Target:

Drill contractor: | Date started: | Date completed:

Logged by/date: C. C. / 06/16/03

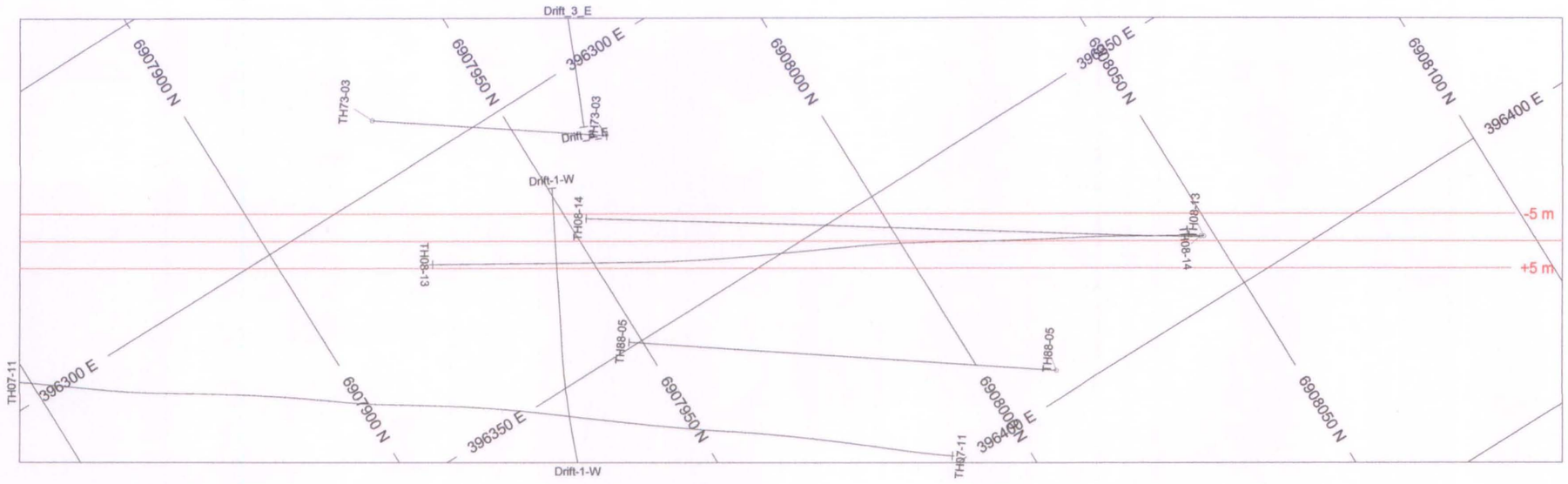
Relogged by/date: /

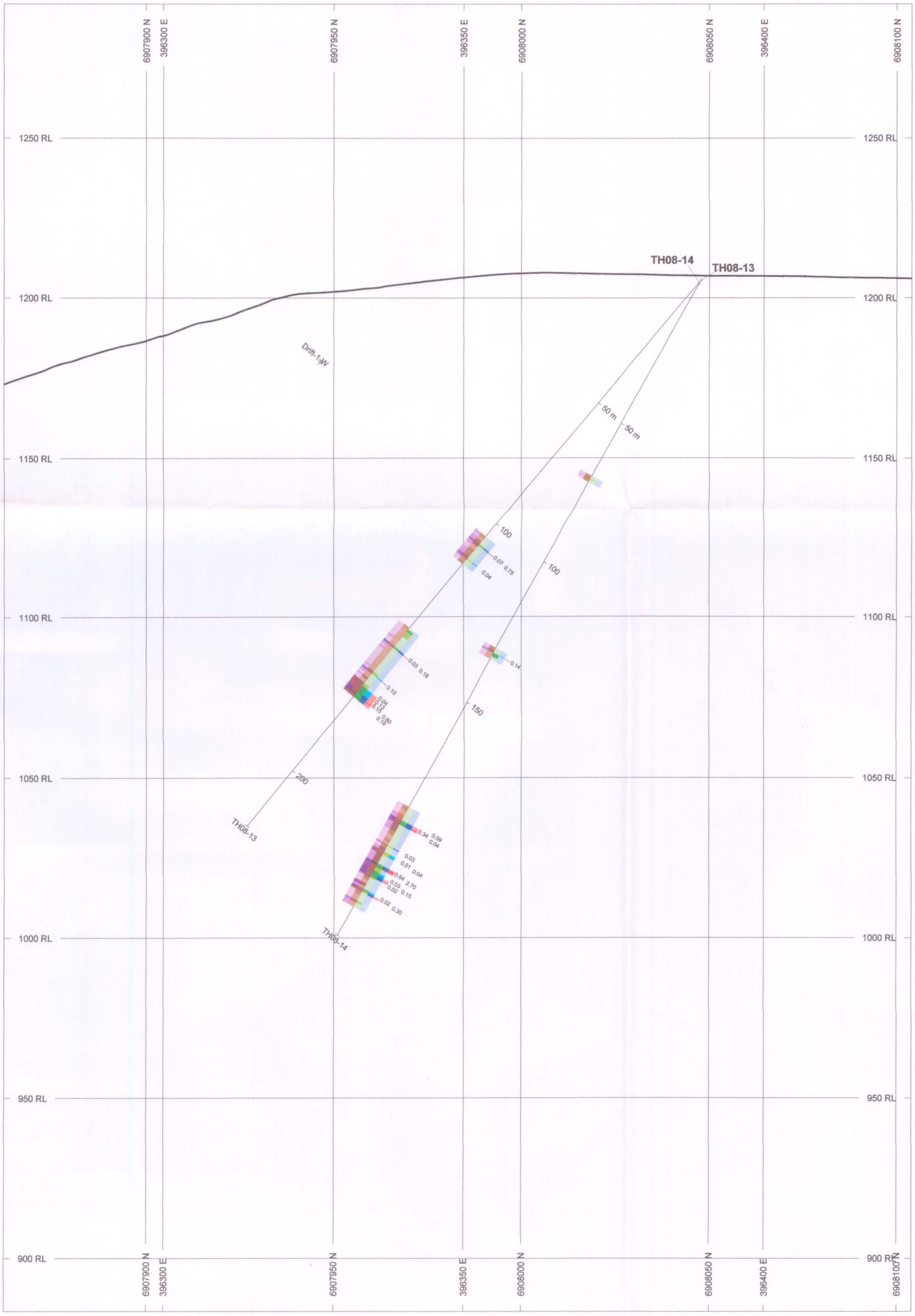
Core size:

Downhole Survey		
Azimuth	Dip	Depth

Core		Lithology		Alteration				Mineralization (%)		Veins				Veins			Samples			Comments
Depth (m)		Rock name	Description	Mafics		Felsics		Other									Interval (m)		Length (m)	No.	(QA/QC, sample description, recovery, etc.)
from	to			Mineral	Alt.*	Mineral	Alt.	Mineral	Alt.	Mineral	% Texture	Depth (from)	Depth (to)	Width	Gangue		Ore	Comments	from	to	
141.5	142.5		qtz Monzonite Strong Alt'n = mafics to chlorite and argillic/clay alt'n of feldspars to milky white. and also feldspar phenocrysts alt'd to greenish chloritic zonation textures.	mafics to chlorite		clay and chlorite		silicification moderate													

*Alterations: w = weak, m = moderate, i = intense ** CA = angle to core axis Vein textures: Open, Banded, Massive, Brecciated





NORTHERN FREEGOLD RESOURCES LTD.

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

NUMBER BANDS	L/R	COL	RANGE
Cu_pct	R		0.5
			0.1
			0.05
			0.01
			0.002

NUMBER BANDS	L/R	COL	RANGE
Ag_ppm_2	R		50
			10
			3
			1
			0.5

NUMBER BANDS	L/R	COL	RANGE
Pb_pct	L		0.5
			0.1
			0.05
			0.01
			0.005
			0.002

NUMBER BANDS	L/R	COL	RANGE
Zn_pct	L		1
			0.5
			0.2
			0.1
			0.05
			0.01

ASSAYS	L/R	TEXT
Au_filter	R	-------

SECTION SPECS:

REF. PT. E, N	396349 m	6907983 m
EXTENTS	285.3 m	408.5 m
SECTION TOP, BOT	1292 m	883.3 m
TOLERANCE +/-	5 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

NAD83 / UTM zone 8N

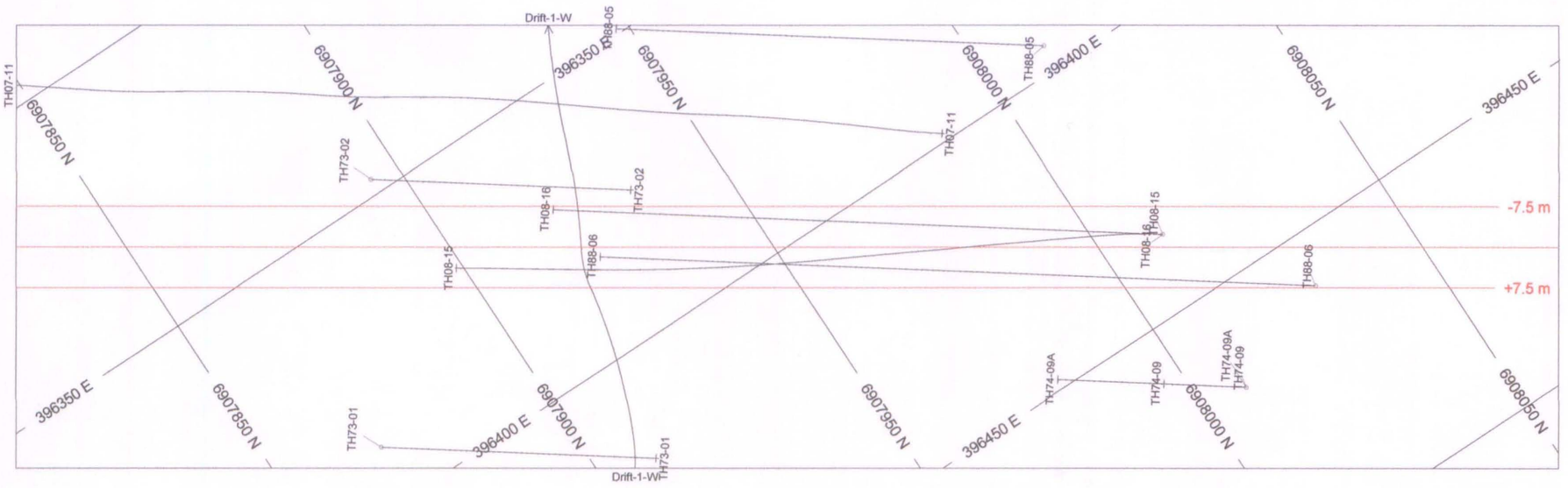
AZIMUTH = 32°

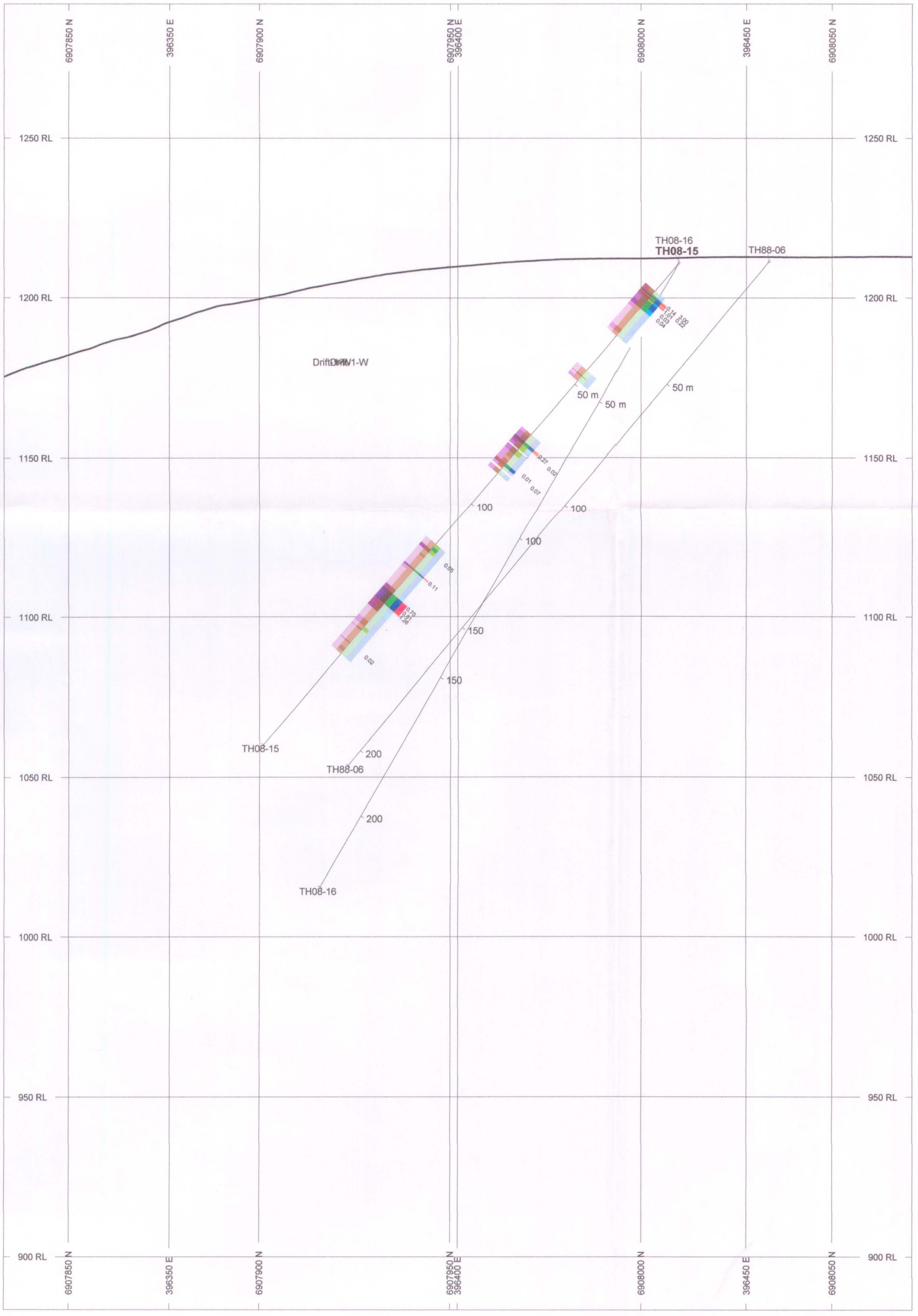
N W E S

Tinta Hill

Figure 6: TH08-13 and TH08-14

April 30, 2009





NORTHERN FREEGOLD RESOURCES LTD.

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

NUMBER BANDS	L/R	COL	RANGE
Cu_pct	R		0.5
			0.1
			0.05
			0.01
			0.002

NUMBER BANDS	L/R	COL	RANGE
Pb_pct	L		0.5
			0.1
			0.05
			0.01
			0.005
			0.002

NUMBER BANDS	L/R	COL	RANGE
Ag_ppm_2	R		50
			10
			3
			1
			0.5

NUMBER BANDS	L/R	COL	RANGE
Zn_pct	L		1
			0.5
			0.2
			0.1
			0.05
			0.01

ASSAYS	L/R	TEXT
Au_filter	R	------

SECTION SPECS:

REF. PT. E, N	396400 m	6907952 m
EXTENTS	285.3 m	408.5 m
SECTION TOP, BOT	1292 m	883.3 m
TOLERANCE +/-	7.5 m	

SCALE 1 : 1000

(m)

-10 0 10 20 30 40

NAD83 / UTM zone 8N

AZIMUTH = 33.5°

N W E S

Tinta Hill

Figure 7: TH08-15

April 30, 2009