Ministry of Energy and Mines
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Diamond Drilling

TOTAL COST: $ 54,150

AUTHOR(S): Scott Allan **SIGNATURE(S):** Scott Allan

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): **YEAR OF WORK:** 2013

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5482109/ June 12th and Aug 16-19 th

PROPERTY NAME: Fireside, Moose, Beaver

CLAIM NAME(S) (on which the work was done): Lynx 1(386812)

COMMODITIES SOUGHT: Barite

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 0094M003

MINING DIVISION: Liard **NTS/BCGS:** 094M14E,0094M14W/0094M074

LATITUDE: 59 ° 45 '30 " **LONGITUDE:** 127 ° 14 '40 " **(at centre of work)**

OWNER(S):
1) Doug Allan 2)

MAILING ADDRESS:
250 Jarvis Bay Dr, Sylvan Lake, Alberta, T4S1R8

OPERATOR(S) [who paid for the work]:
1) Fireiside Minerals LTD 2)

MAILING ADDRESS:
Box 32069, Westbank, BC, Canada, V4T-3G2

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Barite, Vein, Hydrothermal, Devonian

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 00767,2880,9052

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TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core	361m;6 holes, NQ	386812	$54,150
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	$54,150

Report on the Diamond Drilling of the Moose Deposit and Beaver Zone of Fireside Minerals Claim 386812 (Lynx 1)

Situated at Kilometer 880 of the Alaska Highway

Liard Mining Division

N.T.S. 94M/14

Latitude 59° 45’ 30” N Longitude 127° 14’ 40” W

Report by

Scott Allan

(Geol.I.T)

February 3rd ,2014

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Introduction

In 2013 it was decided that a diamond drilling program would commence on the moose and beaver barite deposits following the results of the preliminary 2012 reverse circulation drilling. The primary goals of the program were to define boundaries of mineralization; expand reserves and extend the moose barite zone. Sixty six diamond drill holes were drilled on the Fireside Minerals production leases (361111 and 361112) with six holes drilled on the Lynx 1 claim (368112). This report covers the drilling completed in 2013 on the Lynx 1 claim (368112).

I was on site from May – September of 2013 to mark up locations of drilling, monitor coring, log core and do final pick-ups. My work was reviewed and oversaw by Ed Craft a professional mining engineer.

Summary and Conclusions

Six holes were drilled along three sections on the Lynx 1 claim (368112) for a total of 361 meters. The NQ diamond drill core provided enough information to allow for structural and lithological data to be obtained. Four of the holes were drilled in the moose zone and succeeded in confirming commercial quantities of barite and extended the veins north by 16 meters. It is suspected that there is a fault between sections 1,642,890 N and 1,642,916 N because of an apparent four meter dextral offset. There is good indication that the barite veins continue along strike north of 1,642,916 N but muskeg cover will make drilling in this area hazardous. Before drilling north of 1,642,916 N it would useful to acquire gravity profile over the area as there is no geologic or geophysical information north of 1,642,916 N.

Two holes were drilled in the beaver zone and showed a multitude of sub-economic parallel barite vein with in a large diorite intrusion. Potentially the barite veins may coalesce at some point, I recommend that a trenching program be carried out across the anomaly to determine if any larger veins exists.

Location and Access

The Moose barite deposit can be accessed by a 5.5 kilometer gravel road located at kilometer 850 on the Alaska Highway. The location is shown on the Location Map in Appendix 1. The deposit is located at Lat. 59° 45’ 30”N and Long. 127° 14’ 40”W. The Beaver Zone can be accessed by a cat road at the north end of the Moose workings.

Claims

The Moose Barite Deposit is located on the Moose Production Lease and the Lynx 1 Claim with the beaver located solely on the Lynx1 claim. The claims are shown on the Claim Map in Appendix 1.

Name	Tenure #	Type	Sub-type	Size Ha.	Issue date	Good to date	Status	Owner	Ownership
	361111	Mineral	Lease	41.8	1998/jun/02	2014/jun/02	Good	Doug Allan	100%
Lynx 1	386812	Mineral	Claim	400	2001/may/22	2014/feb/25	Good	Doug Allan	100%
				441.8					

General Setting

The moose and beaver deposit are located in the rolling hills of the Liard Plains roughly 745 meters above sea level, with local topographic highs reaching 880 meters. The area is covered with spotted lakes interconnected by small creeks and muskeg. A young dense forest of spruce, lodgepole pine and birch dominates the area as re-growth after a forest fire decades ago. Exploration trails in the region have thick regrowth of willow and alder. Glacial till blankets the region varying from 1-15 meters providing very little in the way of outcropping. The Liard River is located 7.3 kilometers south west and is the most striking geographic feature of this region.

Local Geology and Mineralization

The Moose Zone consists of a steeply dipping vein system within a north-trending braided fault zone. The veins commonly pinch and swell over 670 meters rarely exceeding 3.5 meters in width. The vein system is offset by a multitude of post emplacement faults creating zones of brecciation and resulting in slight displacement. The barite is white to cream-white and is commonly iron stained with a massive crystalline structure. The vein clearly crosscuts local lithology and commonly includes altered wall rock, as lenses or zones of brecciation. The Moose vein is closed to the south as the vein appears to horse tail into several narrow veins.. In the northern area structural control becomes much more consistent and outlines a vein ranging from 2.5-6.0 meters wide with a sporadic second vein following a similar trend averaging 2 meters wide. Pods of Pb-Zn-Cu sulphides commonly occur in the Moose vein and at this time appear to have no focussing mechanism.

The Beaver zone was originally located by a magnetic anomaly, a conformable circular topographic high near Moose Lake has been identified as the Beaver zone. The vein system shows a northerly trend and appears to dip sub vertical. This diorite intrusion has been identified to contain specular magnetite and possible ilmenite. The Beaver is closed by the large diorite intrusion on the west and a limy siltstone of the Kechika group to the east.

Program

Drilling on the Lynx 1 claim was completed by a NQ diamond drill on June 12th and Aug 16th – Aug 19th 2013. A total of 6 holes were drilled on 3 sections, the locations of these six holes are shown on the moose plan and beaver plan contained in appendix 1. The drilling was completed by fireside personal using a company owned drill producing NQ core.

Results

Drilling in the moose was successful in extending the barite veins north to latitude 1,642,916 N. The vein appears to be offset between sections and it's suspected that faulting occurs between 1,642,890 N and 1,642,916 N. The data obtained from drilling allowed for both lithological and structural data to be obtained. Drilling in the beaver zone failed to intersect any commercial quantity of barite.

DDH13-19/20 were drilled on section 0+50 N and intersected a large diorite intrusion

DDH13-67/68 were drilled on section 1,642,890 N and hit commercial quantity of barite

DDH13-69/70 were drilled on section 1,642,916 N and hit commercial quantity of barite

The Sections of the drilling are contained in Appendix 2 and the logs in Appendix 3.

Costs of Exploration and Development Work on Lynx 1(386812)

Drilling and site preparation	361m @ $150/m
Logging and surveying costs included	
Total	**$54,150**

Certificates

Allan, Andrew Charles
BBA – U.BC.,2006
President -- Fireside Minerals Ltd. -- since 2010.

Allan, Scott Clayton
B.Sc. Geology – U. of C., 2013
Registered G.I.T with APEGA
Production and Exploration -- Fireside Minerals Ltd. -- since 2010.

Appendix 1

Maps

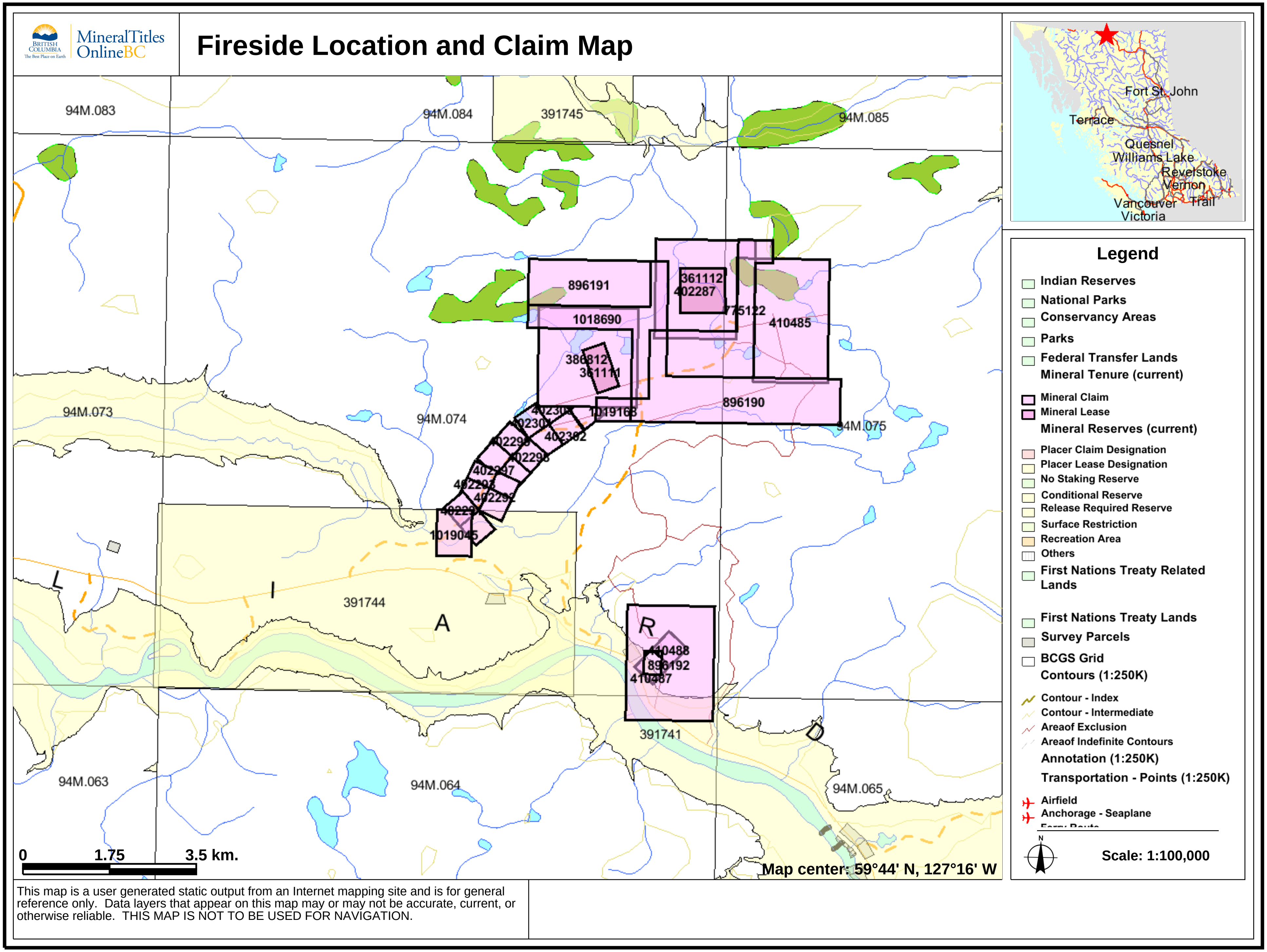

MineralTitles OnlineBC
Fireside Location and Claim Map
94M.083
94M.084
391745
94M.085
896191
361112
402287
775122
410485
1018690
388812
361111
896190
1019163
94M.073
94M.074
94M.075
402302
402298
402297
402292
402291
1019045
391744
L
I
A
R
410488
896192
410487
391741
94M.063
94M.064
94M.065
0
1.75
3.5 km.
Map center: 59°44' N, 127°16' W
Fort St. John
Terrace
Quesnel
Williams Lake
Revelstoke
Vernon
Vancouver
Trail
Victoria
Legend
Indian Reserves
National Parks
Conservancy Areas
Parks
Federal Transfer Lands
Mineral Tenure (current)
Mineral Claim
Mineral Lease
Mineral Reserves (current)
Placer Claim Designation
Placer Lease Designation
No Staking Reserve
Conditional Reserve
Release Required Reserve
Surface Restriction
Recreation Area
Others
First Nations Treaty Related Lands
First Nations Treaty Lands
Survey Parcels
BCGS Grid
Contours (1:250K)
Contour - Index
Contour - Intermediate
Areaof Exclusion
Areaof Indefinite Contours
Annotation (1:250K)
Transportation - Points (1:250K)
Airfield
Anchorage - Seaplane
Scale: 1:100,000
This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Figure 4.1

DD13-69(-45)
DD13-70(-60)

DD13-67(-45)
DD13-68(-60)

oose 13 & 14 MC
.L.7214
ease 361111

Jig Recycle Pond

0 Scale meters 100

FIRESIDE MINERALS	Drawn by E.W.Craft	Reference	BC Albers NAD 83
Moose Zone Plan	Date November 2011		
	Scale 1 : 1000	Drg No:	
	Revision May 2013		

130N
120N
110N
100N
90N
80N
70N
60N
50N
40N
30N
20N
10N
0N
0E
50E
100E

1,642,800N
1,642,750N
1,642,700N
1,642,650N
1,642,600N
1,642,550N

929,050E
929,100E
929,150E
929,200E

RC12-23(-90)
DD13-19(-45)
DD13-20(-65)
RC12-22(-90)

FBM24
FBM25
FBM26
FBM27

Drill locations 2013
See sections for detail

FIRESIDE MINERALS
Beaver Zone Plan

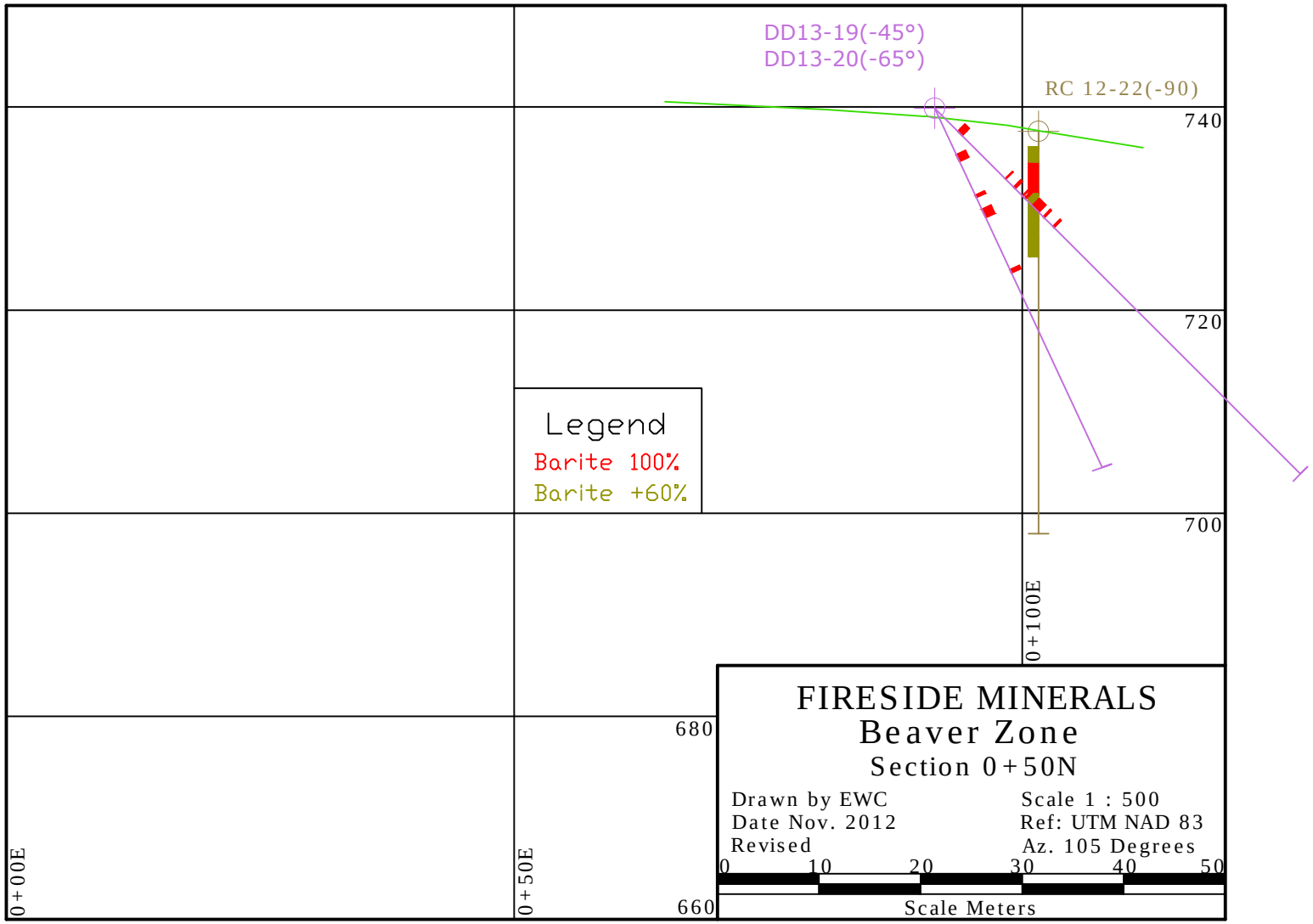
Drawn by EWC
Date Nov. 2012
Revised May 2013

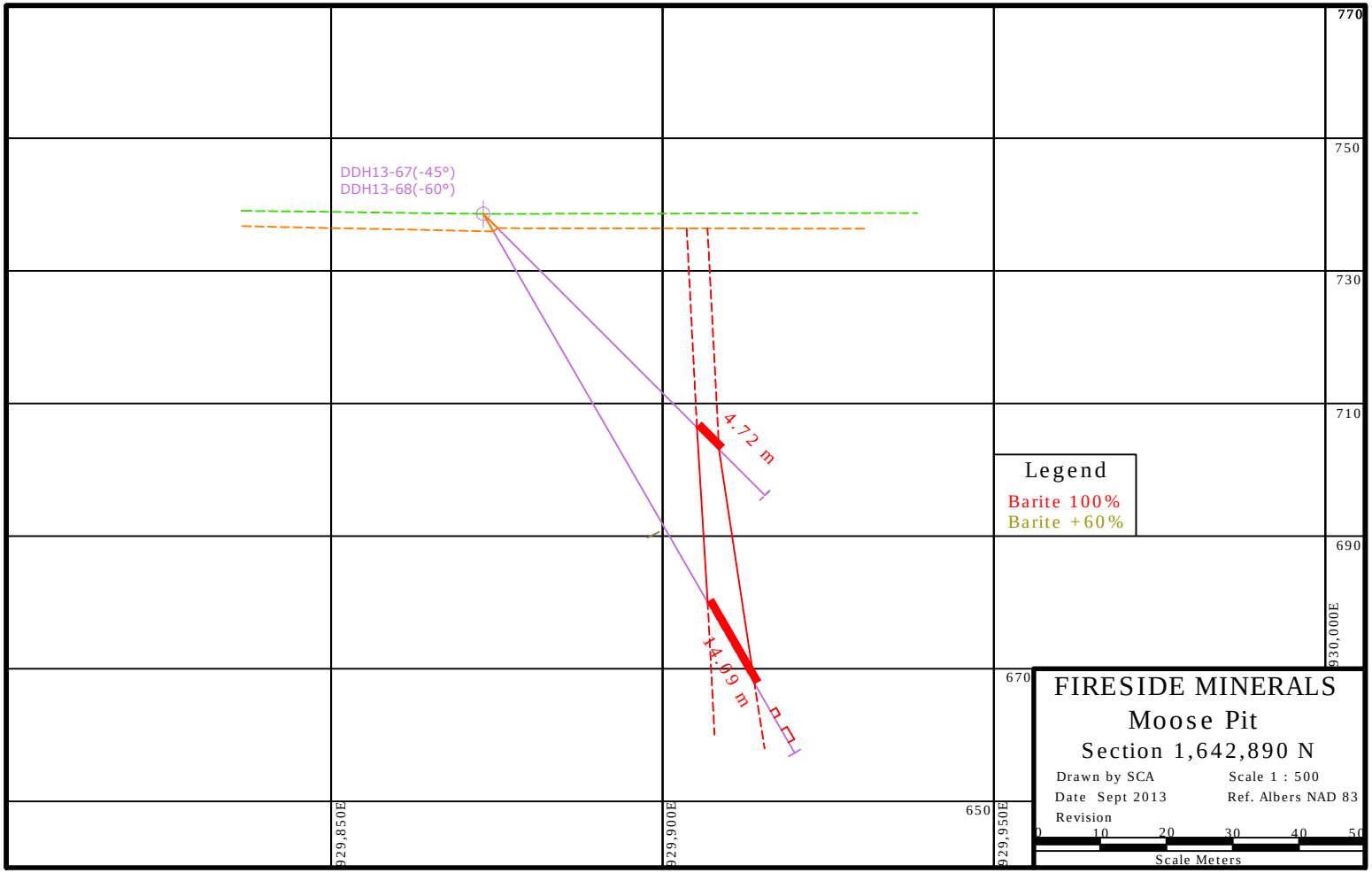
Scale 1 : 500
Ref: BC Albers NAD 83

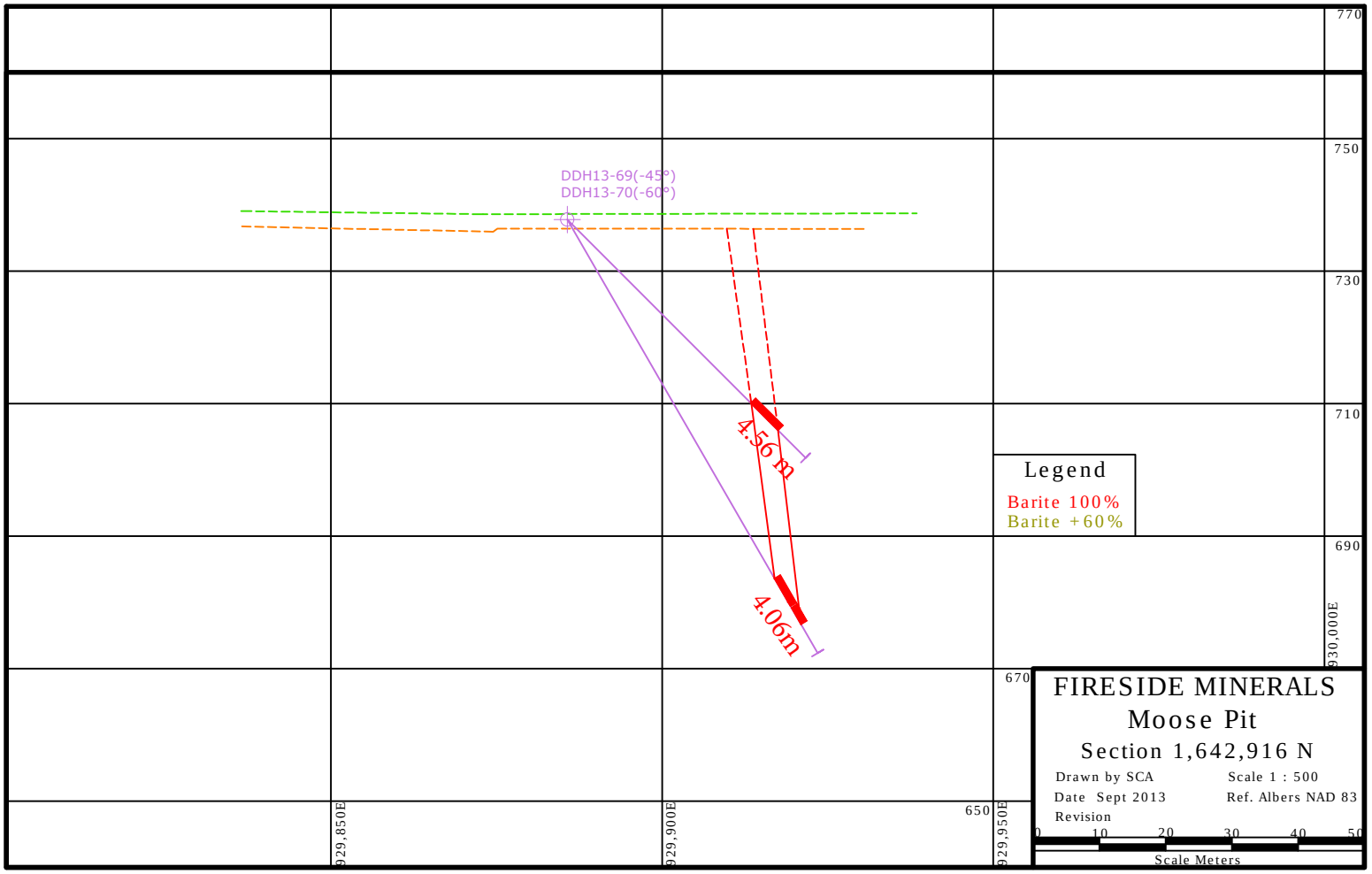
0 10 20 30 40 50
Scale Meters

Appendix 2

Drill Hole Sections


DD13-19(-45°)
DD13-20(-65°)
RC 12-22(-90)
740
720
700
680
660
0+100E
0+50E
0+00E
Legend
Barite 100%
Barite +60%
FIRESIDE MINERALS
Beaver Zone
Section 0+50N
Drawn by EWC
Date Nov. 2012
Revised
Scale 1 : 500
Ref: UTM NAD 83
Az. 105 Degrees
0 10 20 30 40 50
Scale Meters


DDH13-67(-45°)
DDH13-68(-60°)
4.72 m
14.69 m
770
750
730
710
690
670
650
930,000E
929,850E
929,900E
929,950E
Legend
Barite 100%
Barite +60%
FIRESIDE MINERALS
Moose Pit
Section 1,642,890 N
Drawn by SCA
Scale 1 : 500
Date Sept 2013
Ref. Albers NAD 83
Revision
0 10 20 30 40 50
Scale Meters


770
750
730
710
690
670
650
DDH13-69(-45°)
DDH13-70(-60°)
4.56m
4.06m
Legend
Barite 100%
Barite +60%
930,000E
929,850E
929,900E
929,950E
FIRESIDE MINERALS
Moose Pit
Section 1,642,916 N
Drawn by SCA
Scale 1 : 500
Date Sept 2013
Ref. Albers NAD 83
Revision
0 10 20 30 40 50
Scale Meters

Appendix 3

Drill Hole Logs

Beaver zone **Diamond Drill Log** **DDH13-19**

Dip Test		
	Angle	
Footage	Reading	Corrected

Hole No. DDH13-19	Sheet No. 1	Total Depth: 50.90 m
Section: 0+50N	Latitude: 1,642,724.48	Logged by: Scott Allan
Date Started: June12th /13	Departure: 929,148.73	Dip: -45˚
Date Finished:June12th/13	Elevation: 739.87 m	Core Size: NQ
Date Logged: June 16th/13	Azimuth: 88˚	

Depth M		Rec	Description	Sample No.	From m	To m	Sample Width	Assay		
From	To							S/G		
0	1.52		Casing							
1.52	2.97		Altered porphyritic diorite? Light brown matrix red-brown earthy phenocrysts							
2.97	3.20		Fault gouge							
3.20	3.66		Barite							
			Fault gouge?							
3.66	3.81		Barite							
3.81	4.57		Altered porphyritic diorite? Light brown matrix red-brown earthy phenocrysts							
4.57	4.63		Possible fault gouge							
4.63	7.77		Altered porphyritic diorite? Chlorite/Phengite (light earthy green) phenocrysts (1-2mm) some appear to be square Orange-pink groundmass k-feldspar alteration from plagioclase? No preferential direction in ground mass or phenocrysts Calcite and barite veinlet's sparsely cut section at high angles							

7.77	8.84		Green porphyritic diorite matrix dominantly plagioclase with rare mafic's Chlorite/Phengite (light earthy green) phenocrysts (1-2mm) some appear to be square No preferential direction in ground mass or phenocrysts Dolomite cored by barite creates veinlet's sparsely cutting section at high angles (.5-3cm)							
8.84	9.30		Fault gouge Intensely fractured diorite							
9.30	9.81		Possible fault gouge Fractured diorite							
9.81	9.89		Barite							
9.89	10.52		Possible fault gouge Fractured diorite							
10.52	10.97		Green porphyritic diorite matrix dominantly plagioclase with rare mafics Chlorite/Phengite (light earthy green) phenocrysts (1-2mm) some appear to be square No preferential direction in ground mass of phenocrysts							
10.97	11.20		Barite							
11.20	12.19		Green porphyritic diorite matrix dominantly plagioclase with rare mafics Feldspar phenocrysts (1-2mm) No preferential direction in ground mass or phenocrysts							

12.19	12.27		Barite							
12.27	12.50		Green porphyritic diorite matrix dominantly plagioclase with rare mafics Feldspar phenocrysts (1-2mm) No preferential direction in ground mass or phenocrysts							
12.50	12.65		Barite							
12.65	13.11		Green porphyritic diorite matrix dominantly plagioclase with rare mafics Feldspar phenocrysts (1-2mm) No preferential direction in ground mass or phenocrysts Dolomite veinlet's cut section at high angle							
13.11	13.23		Dolomite veins cored by barite with spares specular pyrite							
13.23	13.56		Altered porphyritic diorite? Light brown matrix red-brown earthy phenocrysts							
13.56	14.48		Barite							
14.48	15.09		Possible fault gouge? Fractured diorite with considerable barite inclusions filling fracture							
15.09	15.24		Barite							
15.24	16.46		Fractured Green porphyritic diorite various alteration over section brown near barite green near bottom of section							
16.46	16.61		Barite rich in altered porphyritic diorite? inclusions							

16.61	16.92		Altered porphyritic diorite? Light brown matrix red-brown earthy phenocrysts							
16.92	16.97		Fault gouge							
16.97	18.59		banded siltstone Bleached orange							
18.59	19.05		Vuggy mudstone Bleached orange Cut by high angle calcite veinlet's							
19.05	19.51		Gradual contact Green altered mudstone with chlorite phenocrysts One 3 inch barite veinlet cuts section							
19.51	20.57		Gradual contact Orange mudstone with chlorite phenocrysts							
20.57	24.99		Thin fault at 20.57 Chloritized siltstone Altered Green black bands have circular overprints bands eventually removed down section as fractures filled with calcite increase Feldspar and chlorite phenocrysts increase down section							
24.99	25.30		Slightly Bleached porphyritic diorite dark green ground mass lithic feldspathic phenocrysts generally square to rectangular being replaced by chlorite Circular phenocrysts appear as a light to tan green possibly Phengite/							

			mariposite? Mafic components completely replaced to dark green chlorite							
25.30	25.45		Bleached porphyritic diorite dark green ground mass lithic feldspathic phenocrysts generally square to rectangular being replaced by chlorite Circular phenocrysts appear as a light to tan green possibly Phengite/ mariposite? Mafic components completely replaced to dark green chlorite Bleached brown							
25.45	25.60		Fault gouge Bleached brown							
25.60	26.97		Green porphyritic diorite Calcite amygdule's (1-2mm) at top of section blebs of high silica content (ghost zones prior to alteration?) rare mafic pyrite, plagioclase, and chlorite make up ground mass occasional deep green chlorite phenocrysts and tan green mariposite/Phengite ? phenocrysts							
26.97	30.94		Magnetite biotite bearing diorite silica rich blebs (up to 2cm) contain muscovite							
30.94	43.22		Chloritized porphyritic diorite chlorite phenocrysts Light green groundmass Non magnetic							
43.22	43.40		Dolomite vein cored by calcite							

43.40	48.92		Magnetite biotite bearing diorite silica rich blebs (up to 2cm) contain muscovite							
48.92	50.90		Chloritized porphyritic diorite chlorite phenocrysts Light green groundmass Non magnetic							
			EOH							

Beaver zone **Diamond Drill Log** **DDH13-20**

Dip Test		
	Angle	
Footage	Reading	Corrected

Hole No. DDH13-20	Sheet No. 1	Total Depth: 39.02 m
Section: 0+50N	Latitude: 1,642,724.48	Logged by: Scott Allan
Date Started: June14th /13	Departure: 929,148.73	Dip: -65 °
Date Finished:June14th/13	Elevation: 739.87 m	Core Size: NQ
Date Logged: June 17th/13	Azimuth: 107°	

Depth m		Rec	Description	Sample No.	From m	To m	Sample Width	Assay		
From	To							S/G		
0	1.52		Casing							
1.52	2.59		Biotitic diorite green hue Irregular alteration altered zones have earthy orange color High angle veinlets of barite (>.5mm)							
2.59	5.03		Altered diorite Light brown matrix red-brown earthy phenocrysts Sparse high angles fractures of barite (1.5mm- 5mm) three occurrences over section							
5.03	5.79		Fault gouge							
5.79	6.40		Barite							
6.40	6.86		Fault gouge faulted barite and altered intrusive with dolomite and calcite veins							
6.86	8.53		Altered porphyritic diorite Green hue Feldspar phenocrysts (tan-pink 1-2mm) some appear to be square No preferential direction in ground							

			mass or phenocrysts							
8.53	8.99		Porphyritic diorite Fractured and filled by calcite cutting at high angles One calcite vein cored by barite 4cm wife							
8.99	9.30		Fault gouge							
9.30	9.45		Altered porphyritic diorite Light brown matrix red-brown earthy phenocrysts							
9.45	9.60		Barite							
9.60	9.63		Altered porphyritic diorite Light brown matrix red-brown earthy phenocrysts							
9.63	9.69		Barite							
9.69	9.99		Fault gouge							
9.99	10.97		Fault breccia Fractured Bleached siltstone, Altered porphyritic diorite and un-altered porphyritic diorite grains barite and calcite veins cutting at all angles							
10.97	11.88		Barite							
11.88	12.34		Bleached Chloritized siltstone? Altered orange circular Possible overprinting							
12.34	15.09		Altered porphyritic diorite Light brown matrix red-brown earthy phenocrysts remnant zones of chlorite show sericite laths							

15.09	16.31		Fault gouge Very fractured Bleached orange siltstone and altered orange diorite Black mafic grains and calcite stringers common							
16.31	17.53		Fault gouge Brown							
17.53	17.89		Barite							
17.89	21.49		Fault gouge Faulted and bleached diorite? (orange) Partially healed							
21.49	22.56		Fault gouge Faulted porphyritic diorite Calcite veins cut at high angles							
22.56	23.62		Porphyritic diorite dark green ground mass lithic feldspathic phenocrysts generally square to rectangular being replaced by chlorite Circular phenocrysts appear as a light to tan green possibly Phengite/mariposite? Mafic components completely replaced to dark green chlorite At top of section phenocrysts larger and sparse (.5cm) at end of section phenocrysts smaller (1-2mm) and denser							
23.62	28.04		Dark Green porphyritic diorite Calcite amygdule's (1-2mm) blebs of high silica content (ghost zones prior to alteration?) rare mafic pyrite, plagioclase, and chlorite							

			make up ground mass occasional deep green chlorite phenocrysts and a light to tan green possibly Phengite/mariposite? phenocrysts							
28.04	31.69		Chloritized porphyritic diorite chlorite phenocrysts Light green groundmass Non magnetic							
31.69	32.00		Dolomite vein cored by calcite Only 2.5 inches wide in core obliquely cuts .3048 m section							
32.00	32.61		Chloritized porphyritic diorite chlorite phenocrysts Light green groundmass Non magnetic							
32.61	39.01		Magnetite biotite bearing diorite silica rich blebs (up to 2cm) contain muscovite							
			EOH							

Moose Pit **Diamond Drill Log** **DDH13-67**

Dip Test		
	Angle	
Footage	Reading	Corrected

Hole No. DDH13-67	Sheet No. 1	Total Depth: 60.05 m
Section: 1,642,890 N	Latitude: 1,642,889.75	Logged by: Scott Allan
Date Started: Aug 15th/13	Departure: 929,872.97	Dip: -45˚
Date Finished: Aug15th/13	Elevation: 738.601	Core Size: NQ
Date Logged: Sept 21st 13	Azimuth: 90˚	

Depth m		Rec	Description	Sample No.	From m	To m	Sample Width	Assay		
From	To							S/G	Pb (ppm)	Zn (ppm)
0.00	3.05		Casing							
3.05	4.57		Banded siltstone							
4.57	9.14		Bleached siltstone							
9.14	20.42		Banded siltstone							
20.42	22.66		Banded siltstone Cut by high angle dolomite veinlets							
22.66	35.43		Banded siltstone Broken sample very fissile							
35.43	38.91		Fault gouge Banded siltstone							
38.91	41.28		Fault gouge Bleached siltstone minor barite fragments							
41.28	43.43		Banded siltstone Pervasive fracturing filled by dolomite veinlets (<.5mm)							
43.43	44.81		Bleached Banded siltstone Pervasive fracturing filled by orange clay							
44.81	45.26		Quartz barite breccia brecciating bleached siltstone							
45.26	45.57		Bleached siltstone cut by							

			minor veinlets of barite and quartz							
45.57	47.32		Barite White dense pure	DDH13-67-01	45.57	47.32	1.75	4.25	<1	136
47.32	47.85		Barite Visible galena	DDH13-67-02	47.32	47.85	.53	4.29	436	3030
47.85	50.29		Barite White trace sulphides	DDH13-67-03	47.85	50.98	3.13	4.44	4	37.1
50.29	50.98		Barite White dense pure							
50.98	60.05		Bleached porphyritic diorite Cut by high angle barite veinlets							
			EOH							

Moose Pit **Diamond Drill Log** **DDH13-68**

Dip Test		
	Angle	
Footage	Reading	Corrected

Hole No. DDH13-68	Sheet No. 1	Total Depth: 93.88 m
Section: 1,642,890 N	Latitude: 1,642,889.75	Logged by: Scott Allan
Date Started: Aug 17th/13	Departure: 929,872.97	Dip: -60˚
Date Finished:Aug 17th/13	Elevation: 738.601	Core Size: NQ
Date Logged: Sept 20th 13	Azimuth: 90˚	

Depth m		Rec	Description	Sample No.	From m	To m	Sample Width	Assay		
From	To							S/G	Pb (ppm)	Zn (ppm)
0.00	3.05		Casing							
3.05	8.46		Banded siltstone Minor glossifungites							
8.46	11.13	Fair	Bleached banded Siltstone							
11.13	11.58		Black banded siltstone Minor bleaching							
11.58	11.81		Fault gouge							
11.81	23.77		Black banded siltstone							
23.77	29.11		Black banded siltstone High angle siderite veinlets occur sporadically larger (>1cm) veinlets are cored by barite							
29.11	50.19		Black banded siltstone Minor worm tubes Glossifungites							
50.19	52.55		Fault Gouge Black banded siltstone							
52.55	57.61		Banded siltstone Pervasively fracture by thin(<1mm) veinlets of siderite? And barite							

57.61	63.32		Bleached banded siltstone fractured by thin veinlets of siderite? and barite							
63.32	66.45		Banded siltstone fractured by veinlets of quartz and barite							
66.45	67.67		Miss latch/dropped core Barite return for approx. 4 feet							
67.67	69.49		Barite White, dense Trace copper carbonates And oxidized sulphides	DDH13-68-01	67.67	70.59	2.92	4.44	1	58
69.49	70.59		Barite White dense							
70.59	70.63		Bleached siliceous inclusion Orange							
70.63	70.98		Barite Minor visible sphalerite Mg rich	DDH13-68-02	70.68	70.91	0.23	4.30	<1	5.24%
70.98	72.54		Barite White dense	DDH13-68-03	70.91	72.39	1.48	4.32	<1	554
72.39	72.85		Barite Galena bearing Trace sphalerite	DDH13-68-04	72.39	72.66	0.27	4.37	9400	6810
72.85	74.62		Barite White dense	DDH13-68-05	72.85	77.09	4.24	4.30	102	745
74.62	74.78		Barite High angle cut by quartz Limited specular galena							
74.78	75.39		Barite White dense							
75.39	77.09		Barite							

			Trace amounts of galena Sporadic							
77.09	78.79		Barite Inclusions of bleached siltstone	DDH13-68-06	77.09	81.76	4.67	4.21	1	326
78.79	81.76		Barite Trace inclusions of siltstone							
81.70	85.50		Disseminated barite fracturing siltstone with various degrees of bleaching							
85.50	86.72		Barite White free of inclusions Broken sample	DDH13-68-07	85.34	87.78	2.44	4.39	8	145
86.72	86.83		Bleached siltstone							
86.83	87.78		Barite White Minor inclusions of siltstone Broken sample							
87.78	89.92	V.poor	Bleached siltstone Broken sample							
89.92	92.07		Barite White Broken sample	DDH13-68-08	89.92	92.05	2.13	4.34	2	385
92.07	92.94		Vuggy quartz barite breccia Clasts bleached orange							
92.95	93.88		Bleached siltstone Pervasively fractured by barite and dolomite veinlets							
			EOH							

Moose Pit **Diamond Drill Log** **DDH13-69**

Dip Test		
	Angle	
Footage	Reading	Corrected

Hole No. DDH13-69	Sheet No. 1	Total Depth: 50.90m
Section: 1,642,916 N	Latitude: 1,642,916.13	Logged by: Scott Allan
Date Started: Aug 18th/13	Departure: 929,885.68	Dip: -45˚
Date Finished:Aug 18th/13	Elevation: 737.804	Core Size: NQ
Date Logged: Sept 21st 13	Azimuth: 91˚	

Depth m		Rec	Description	Sample No.	From m	To m	Sample Width	Assay		
From	To							S/G	Pb (ppm)	Zn (ppm)
0.00	6.10		Casing							
6.10	15.42		Black banded siltstone							
15.42	16.20		Bleached siltstone							
16.20	17.37		Bleached Diorite							
17.37	23.47		Bleached siltstone Numerous small fault zones							
23.47	26.37		Black banded siltstone Cut by high angle siderite veinlets Very broken fissile sample							
26.37	26.62		Fault gouge							
26.62	28.80		Diorite Lightly bleached							
28.80	30.30		Black banded siltstone							
30.30	32.64		Chloritized diorite							
32.64	34.34		Fault Gouge Black banded siltstone fragments of quartz siderite barite							
34.34	38.28		Black banded siltstone Cut by high angle barite and quartz Siderite veinlets							
38.28	38.96		Bleached banded siltstone							

38.96	39.23		Bleached quartz breccia							
38.92	39.27		Bleached siliceous vein							
39.24	40.21		Barite Inclusions consist of silica galena and copper carbonates	DDH13-69-01 Galena section DDH13-69-02 Copper carbonates	39.42 39.87	39.62 40.02	0.20 0.15	4.31 4.23	<1 2	4840 127
40.21	44.99		Barite White pure dense	DDH13-69-03	40.21	44.99	4.78	4.37	<1	62.6
44.99	45.09		Vuggy Quartz barite breccia							
45.09	45.24	Poor	Bleached banded siltstone							
45.24	45.39		Barite White pure dense Hard to locate due to poor recovery of upper and lower units							
45.39	47.85	Poor	Bleached banded siltstone Pervasive fracturing and faulting							
47.85	48.41		Barite breccia Bleached siltstone clasts							
48.41	50.90		Bleached siltstone Fractured by quarts and barite veinlets							
			EOH							

Moose Pit **Diamond Drill Log** **DDH13-70**

Dip Test		
	Angle	
Footage	Reading	Corrected

Hole No. DDH13-70	Sheet No. 1	Total Depth: 75.59 m
Section: 1,642,916 N	Latitude: 1,642,916.13	Logged by: Scott Allan
Date Started: Aug 19th/13	Departure: 929,885.68	Dip: -60˚
Date Finished: Aug21st/13	Elevation: 737.804	Core Size: NQ
Date Logged: Sept 22nd 13	Azimuth: 91˚	

Depth m		Rec	Description	Sample No.	From m	To m	Sample Width	Assay		
From	To							S/G	Pb (ppm)	Zn (ppm)
0.00	4.57		Casing							
4.57	5.49		Muskeg?							
5.49	11.58		Banded siltstone Broken fissile sample							
11.58	13.07		Bleached diorite							
13.07	14.63		Chloritized diorite Cut by high angle siderite and quartz veinlets							
14.63	15.65		Fault breccia Bleached siltstone							
15.65	20.17		Faulted and fractured bleached siltstone							
20.17	20.73		Fault breccia							
20.73	21.03		Fault Gouge							
21.03	23.85	fair	Black banded siltstone Numerous small fault gouges Broken fissile sample							
23.85	26.06	Poor	Bleached siltstone Bleached light tan							
26.06	35.97		Black banded siltstone							
35.97	37.34		Fault gouge Black banded siltstone							
37.34	42.06		Black banded siltstone							

			cut by high angle siderite veinlets some veinlets are cored by barite							
42.06	50.78		Fault gouge Black banded siltstone Minor Fragments of barite siderite and quartz							
50.78	51.36		Barite Inclusions of siltstone and quartz							
51.36	56.85		Fault gouge bleached banded siltstone							
56.85	57.53		Bleached siltstone fractured by quartz veinlet's							
57.53	60.35		Fault gouge							
60.35	61.44		Bleached siltstone							
61.44	62.61		Quartz breccia Brecciating bleached siltstone							
62.61	67.39		Barite White pure dense Sample becomes extremely broken after 65.15	DDH13-70-01	62.61	67.39	4.78	4.39	<1	109
67.39	67.69		Bleached siltstone							
67.69	70.54		Barite Very broken sample white pure	DDH13-70-02	67.69	70.54	2.85	4.49	<1	35.9
70.54	75.59		Fault gouge Black banded siltstone							
			EOH							