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Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

Assessment Report
Title Page and Summary

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

TOTAL COST: $ 57,065

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

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):

YEAR OF WORK: 2014

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5522750 , September 9th - 15 th

PROPERTY NAME: Fireside, Moose

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,0094M14/0094M074

LATITUDE: 59 ° 45 ' 50 " **LONGITUDE:** 127 ° 14 ' 40 " **(at centre of work)**

OWNER(S):
1) Fireisde Minerals Ltd. 2)

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

OPERATOR(S) [who paid for the work]:
1) Fireside Minerals Ltd. 2)

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

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

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 0767,2880,9052,34620

Next Page

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	471.5, 8 holes , NQ	386812	57,065
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:	$57,065

Report
On the Diamond Drilling
Of the
Lynx 1 Claim
Moose Barite Project

Fireside Minerals
Claim 386812 (Lynx 1)

Situated at Kilometer 850 of the Alaska Highway

Liard Mining Division

N.T.S. 94M/14

Latitude 59° 45’ 50” N Longitude 127° 14’ 40” W

Report by:

Scott Allan

(G.I.T)

Nov 19th, 2014

Table of Contents

Introduction

A 500 meter diamond drill program was laid out and executed from September 9th – 14th 2014. This drilling was designed to test an off lease extension of the Moose Barite vein, encountered in the 2013 drilling program and which indicated a displaced vein. The Moose vein has been drilled along strike for 700 meters with the southern portion of the vein commercially producing barite intermittently from 1986 – 1997. At this time an economic prefeasibility study is being carried out on that portion of the Moose vein that is covered by the Moose production lease (361111).

Eight NQ diamond drill holes were drilled from 2 pads totalling 471.5 meters. This report will detail the findings and make recommendations for further exploration programs to further extended mineralization in this area. The author was on site from August – September 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 mining engineer and Snowden consulting group. Drilling was completed by highly experienced driller with nothing unorthodox to affect the results. Drill core from this program is stored at the fireside mine site.

Summary and Conclusions

The diamond drill program was successful in delineating barite in the Lynx 1 claim (386812). Barite mineralization in the area is a massive homogenous vein with sparse sulphides assays showed an average specific gravity of 4.23. The vein indicated on the Lynx claim appears to be striking 18° N. Muskeg in the region does not allow for trenching and as such the veins are only indicated to 20 meters below surface. This region of the Lynx appears to be widening and will be the target of small exploration programs in subsequent years. Two options for exploration are proposed

Option A)

A series of diamond drill programs, the first drill program will consist of 5 drill pads totalling 500 m with the potential to prove an additional 150 meters of strike length in the Moose Zone. Depending on the success of this program additional drilling may be recommended.

Option B)

Carry out a gravity survey with a proposed baseline of 570 meters with twenty gravity lines. This program would have the ability to outline the main ore body as well as any additional anomalies, and estimate the potential resource to the north in the moose. After assessing the survey a drill program would be designed to prove the resource.

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 Lynx claim vein extension can be accessed by following workings of the Moose deposit north to the bottom of the hillside. 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.

Claims

The Moose Barite Deposit is located on the Moose Lease and the Lynx 1 Claim. The claims are shown on the Claim Map in Appendix 1.

Name	Tenure #	Sub-type	Size Ha.	Issue Date	Good to Date	Status	Owner	Ownership
	361111	Lease	41.8	1998/jun/02	2015/Jun/02	Good	Fireside Minerals LTD.	100%
Lynx 1	386812	Claim	400	2001/may/22	2015/may/08	Good	Fireside Minerals LTD.	100%

General Setting

The Moose barite deposit is 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 700 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. Pods of Pb-Zn-Cu sulphides commonly occur in the Moose vein and at this time appear to have no focussing mechanism.

Drill Program

In 2013, 4 diamond drill holes from two pads intersected continuous barite from 30 meters to 70 meters below surface with a dextral offset from the main vein. The 2014 program was designed to confirm the behaviour of the vein from 20 to 30 meters below surface with fan holes utilized to understand offset from the main. Holes were laid out by a Leica total station and prism using BC Albers NAD 83 azimuth was determined by compass using a declination of 21 degrees west. A total of eight drill holes from 2 pads were completed totalling 471.5 meters. Drill core from this program is stored at the fireside mine site.

Hole No	Latitude	Departure	Elevation	Azimuth	Dip	Length	Horizontal	Vertical	Comments
DD14-28	1,642,916.37	929897.45	736.67	45˚	-45.00	45.11	31.90	-31.8976	Moose Vein
DD14-29	1,642,916.60	929897.07	736.57	90˚	-45.00	47.24	33.41	-33.4066	Moose Vein
DD14-30	1,642,916.60	929897.07	737.32	90˚	-58.00	66.45	35.21	-56.3528	Moose Vein
DD14-31	1,642,893.03	929888.30	737.28	90□	-45.00	50.29	35.56	-35.5604	Moose Vein
DD14-32	1,642,893.03	929888.30	737.28	60□	-45.00	72.54	51.29	-51.2935	Moose Vein
DD14-33	1,642,893.03	929888.30	737.28	60□	-60.00	78.41	39.21	-67.9051	Moose Vein
DD14-34	1,642,893.43	929888.47	737.29	120□	-45.00	51.05	36.10	-36.0978	Moose Vein
DD14-35	1,642,893.43	929888.47	737.29	120□	-60.00	60.35	30.18	-52.2646	Moose Vein
						471.5			

Figure 1 Drill Hole Collar Location - BC Albers NAD 83

Hole No	Latitude	Departure	Elevtion	Azimuth	Dip	Length	Horizontal	Vertical	Comments
DD14-28	6626426.355	598590.32	736.67	45°	-45.00	45.11	31.90	-31.8976	Moose Vein
DD14-29	6626426.569	598589.93	736.57	90°	-45.00	47.24	33.41	-33.4066	Moose Vein
DD14-30	6626426.569	598589.93	737.32	90°	-58.00	66.45	35.21	-56.3528	Moose Vein
DD14-31	6626402.591	598582.23	737.28	90°	-45.00	50.29	35.56	-35.5604	Moose Vein
DD14-32	6626402.591	598582.23	737.28	60°	-45.00	72.54	51.29	-51.2935	Moose Vein
DD14-33	6626402.591	598582.23	737.28	60°	-60.00	78.41	39.21	-67.9051	Moose Vein
DD14-34	6626402.999	598582.38	737.29	120°	-45.00	51.05	36.10	-36.0978	Moose Vein
DD14-35	6626402.999	598582.38	737.29	120°	-60.00	60.35	30.18	-52.2646	Moose Vein
						471.5			

Figure 2 Drill Hole Collar Location - UTM NAD 83

Drill Results

Section 1,642,916 N (BC ALBERS)

DDH14-28 was drilled at a 45 degree azimuth to extend the barite mineralization past 1,642,916 N this hole failed to intersect any barite, despite encountering three large fault zones.

DDH14-29 encountered 1.5 m of core length barite followed by 9.25 m of barite

DDH14-30 intersected 10 meters of core length barite followed by three smaller intersections ranging from 1 to 3.5 meters.

Section 1,643,893 N (BC ALBERS)

DDH14-31 intersected three zones of barite the first being >1m the second being 2.6 m and the third being 2.0 meters

DDH14-32 intersected one barite vein for 27.8 m.

DDH14-33 this hole intercepted two veins separated by 1.7 meters the first vein encounter measured 14.2 m and the second vein measured 5.64 meters.

DDH14-34 encountered 2 veins the first vein in core length measured 2.35 meters and the second vein measured 9.25 meters.

DDH14-35 encountered 2 veins the first vein measured 2.51 m and the second vein measured 7.64 m.

From these results it is conclusive that the vein is open to the north in the Lynx claim.

Assaying:

Since this project deals with an industrial mineral contained within a homogenous vein sampling is much less sensitive than that of a metallic deposit. Assaying of the veins was done over barite intervals by randomly sampling 0.15 m pieces of whole core to check for consistency of specific gravity (SG). This was done on site using a 1000 ml graduated cylinder and a 6000 gram scale accurate to .1 of a gram. The following equation was used to determine specific gravity.

$$Specific\ Gravity\ = \frac{M}{Vf - Vi}$$

$$M = Mass\ (g)\ , Vi = Volume\ inital\ (ml), Vf = Volume\ final\ (ml)\ ,$$

After testing a simple average was taken of the samples to represent the specific gravity of the intersection. To verify this method broken core was taken over intervals in drill holes 30, 32 and 33, these samples were sent to Loring Laboratories of Calgary, Alberta and assayed for total oxides %BaSO4 and heavy metals. The results of these assays were used in conjunction with on lease assays to estimate %BaSO4 and SiO2 over the intersections, the results of $\%SiO_2$ estimates are highlighted in table 2. A small disagreement in SG was determined between data sets, thus the more conservative data set was used for tonnage estimation.

SAMPLE I.D.	BaS04%	Si02%	Specific Gravity	Cu (ppm)	Pb (ppm)	Zn (ppm)	Cd (ppm)
DDH14-30-AS1	91.9	7.38	4.28	25	10	737	3
DDH14-32-AS1	94.32	4.33	4.39	26	782	300	1
DDH14-33-AS1	96.38	2.06	4.46	12	23	61	<1

Table 1. Results obtained from Loring Laboratories of Calgary, Alberta

Hole ID#	Fireside Labs S.G.	Loring Labs S.G.	Estimated %SiO2	Actual %SiO2 (Loring Labs)
DD14-29	4.08	-	10.06	-
DD14-30	4.35	-	2.16	-
DD14-30	4.22	-	5.27	-
DD14-30	4.18	-	6.52	-
DD14-30	-	4.28	-	7.38
DD14-31	4.27	-	4.01	-
DD14-31	4.14	-	8.08	-
DD14-32	4.26	4.39	4.14	4.33
DD14-33	4.34	4.46	2.19	2.06
DD14-33	4.18	-	6.69	-
DD14-34	4.33	-	2.47	-
DD14-34	4.23	-	5.05	-
DD14-35	4.22	-	5.42	-
DD14-35	4.27	-	3.88	-
Avg.	**4.23**		**4.85**	

Table 2. Fireside Labs Vs Loring Labs Silica Estimations

Discussion:

Drilling has indicated that there is widening barite mineralization extending into the Lynx claim. Plotting the sections with the 2014 drilling its apparent that there are two veins that intermittently coalesce. The first vein to the east swells near surface and pinches at 710 m ASL, A second vein is indicated to the west appears to widen to with depth. These veins have been projected to have an 86 degree dip striking 18 degrees off of north showing a saleable product with an average of SG of 4.23 and silica content between 2.5 – 10 % of the whole rock composition. Muskeg north of section 1642896 N masks bed rock and make drilling difficult. A program should be designed to minimize disturbance in this area. During the summer a traverse in the muskeg region using a hip chain found that the region ends 30 meters north at 164946 N. There is a good indication that the barite veining extends past 1642916 N and as such drilling should continue north in a series of small exploration programs.

A drilling program consisting of 500 meters to prove up an additional 150 meters of strike north of Latitude 1,642,946 N. has been proposed starting at 1642946 N. Alternatively a gravity profile could be obtained from 1642916N 500 m north using a local drainage as a boundary. A gravity profile would allow for the extent of mineralization to be shown with tonnage estimations and potentially outline secondary targets. A baseline would have to be established with twenty gravity line branching off. An extension of the overgrown dresser baseline is proposed running 15° degrees off north for 570 meters. Twenty lines running east west would be spaced out every thirty meters. These lines range in length from 350 to 550 meters totalling 9500 meters. Line spacing is designed to comply with section design over the moose lease. Either or both methods are recommended for future exploration endeavours.

Estimated Costs of Proposals

Option A) Diamond Drilling

Drilling	500 m @ $115/m
Equipment hours (skidding, pad building)	35 hrs @ $150/hr
Geologist- $40/hour	$480 per day X 8 days= $2880
Contingency (10%)	$6600
Total	$72,200

Option B) Gravity Surveying

Line Cutting	$1000/km x 10 Km
CG-5 Gravity Meter Rental	$10,000/Month
Geologist - $40/hour	$480 per day x 10 days
Field Assistant - $30/hour	$360 per day x 10 days
Interpretation – 40$/hr	$480 per day x 2 days
Contingency (10%)	$2940
Total	$33,000

Option C) Diamond Drilling and Gravity Surveying

Diamond Drilling Total	$72,200
Gravity Surveying Total	$33,000
Total Cost	$105,200

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

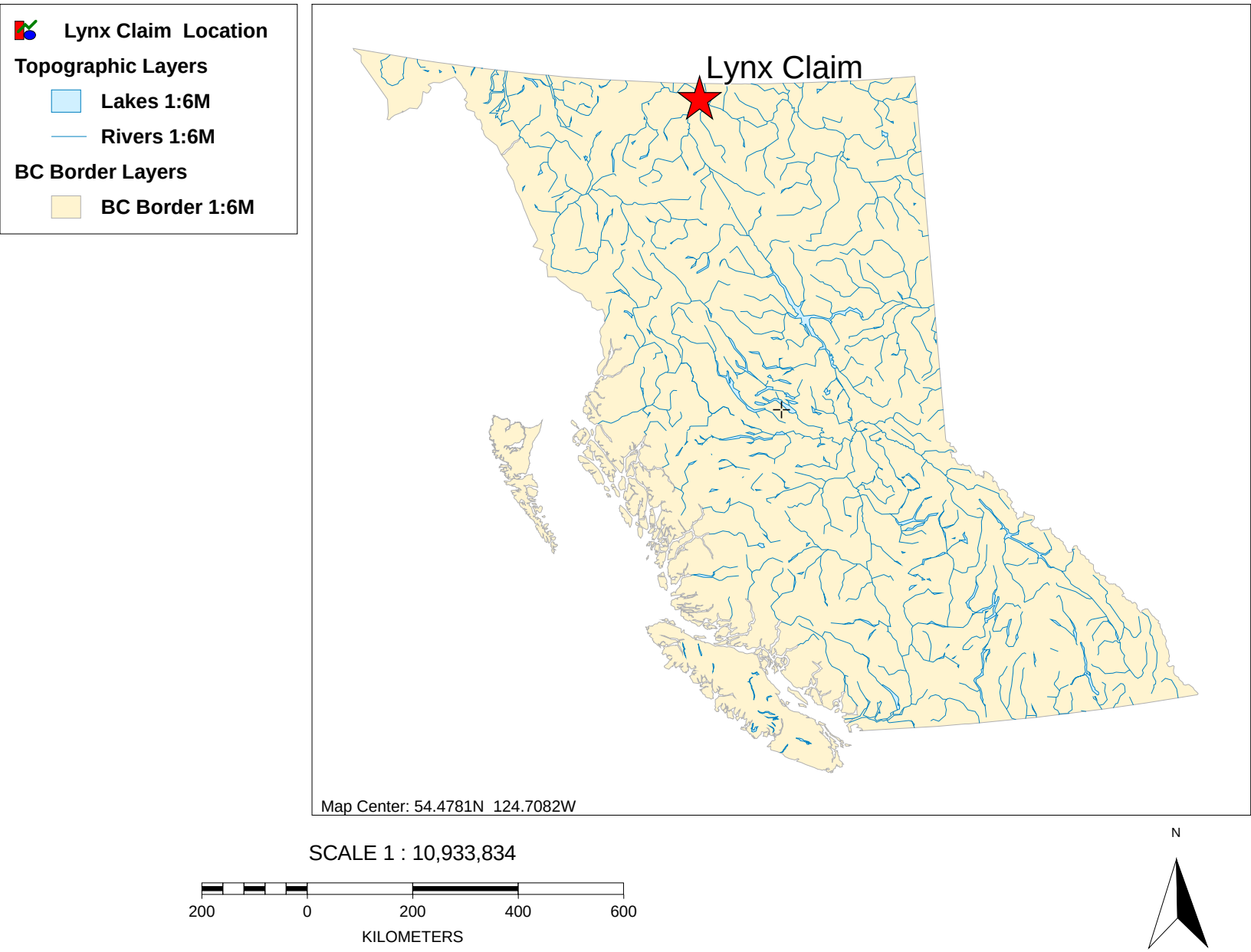
Drilling	471.5m @ $100/m
Equipment hours (skidding, pad building)	13.5 hrs @ $150/hr
Geologist- $40/hour	$480 per day X 6 days= $2880
Driller- $40/hour	$480 per day X 6 days= $2880
Drillers Helper- $30/hour	$360 per day X 6 days= $2180
Total	**$57,065**

Certificates

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

Lynx Claim Location Map



Lynx Claim Map

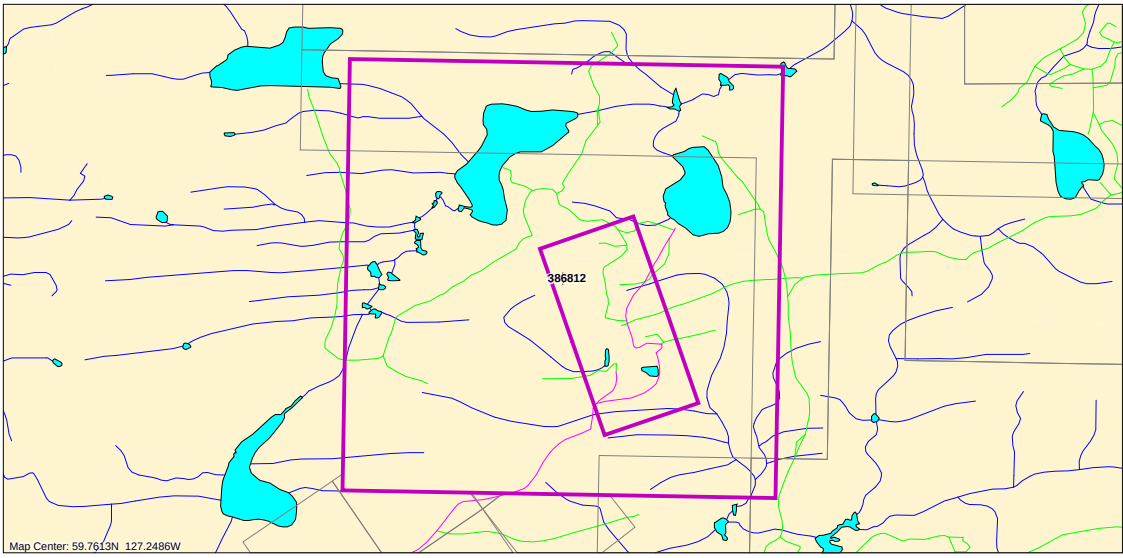
Mineral Titles Layers

- **Lynx Claim Tenure**
- **All Mineral Tenures**

Topographic Layers

- **Railways 1:20K**
- **Roads 1:20K**
  - Gravel Road
  - Paved Road
  - Rough Road
- **Lakes 1:20K**
- **Rivers 1:20K**

Grid Layers

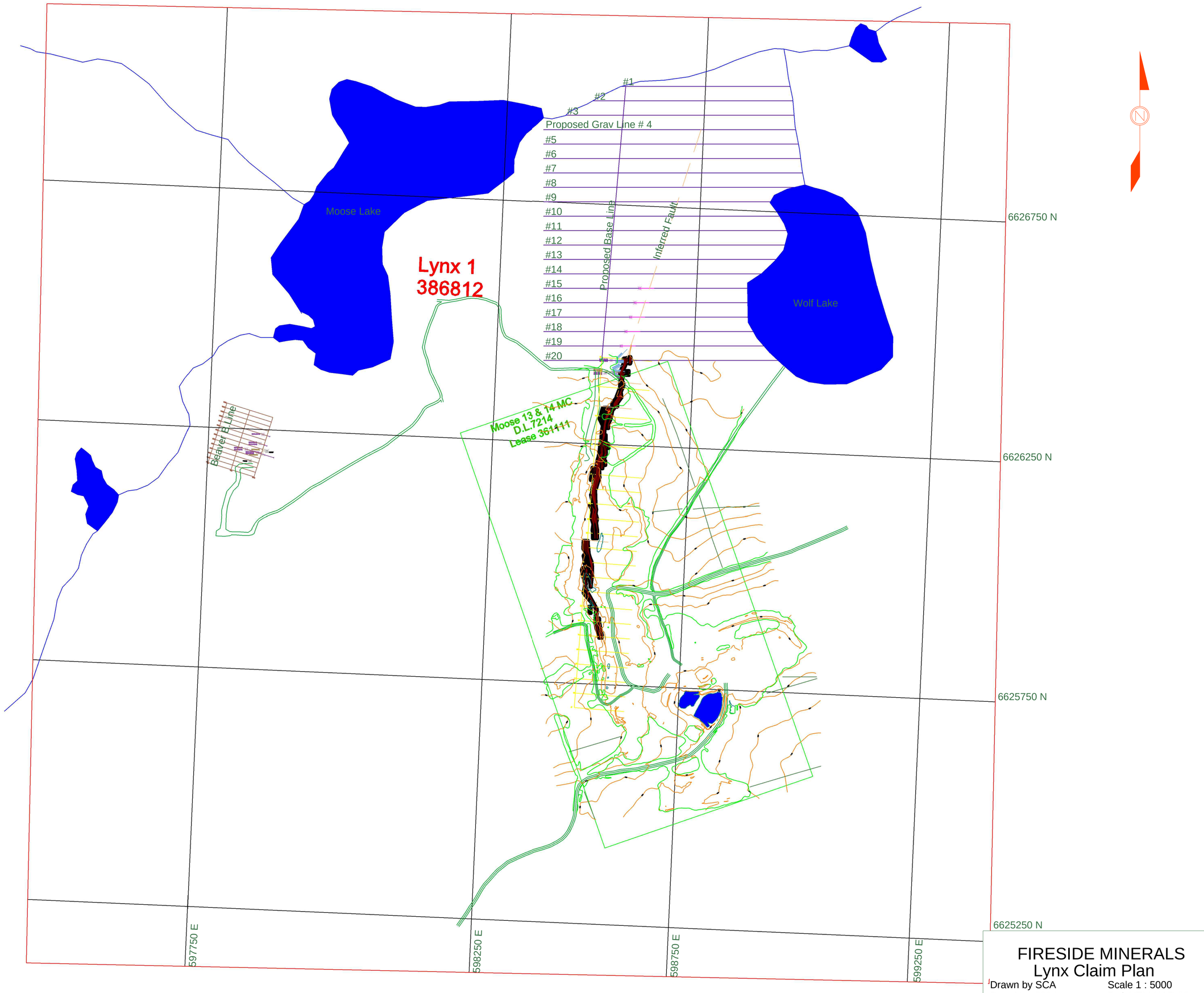


SCALE 1 : 34,985

500 0 500 1,000 1,500

METERS

N


Moose Lake
Wolf Lake
Lynx 1
386812
#1
#2
#3
Proposed Grav Line # 4
#5
#6
#7
#8
#9
#10
#11
#12
#13
#14
#15
#16
#17
#18
#19
#20
Proposed Base Line
Inferred Fault
Beaver B Line
Moose 13 & 14 MC
D.L.7214
Lease 361411
6626750 N
6626250 N
6625750 N
6625250 N
597750 E
598250 E
598750 E
599250 E
N
FIRESIDE MINERALS
Lynx Claim Plan
Drawn by SCA
Date Nov 2014
Revised
Scale 1 : 5000
Ref: UTM NAD 83
0 100 200 300 400 500
Scale Meters

#1
#2
Proposed Grav. Line #3
#4
#5
#6
#7
#8
#9
#10
#11
#12
#13
#14
#15
#16
#17
#18
#19
#20

Moose Lake

Wolf Lake

6626750 N

598250 E

598750 E

Proposed Base Line

Inferred Fault - 18°

Proposed Diamond Drilling

Lynx 1
386812

Drill Collars
See Sections
for Detail
Appendix 3

FIRESIDE MINERALS
Lynx Claim Plan
Drawn by SCA
Date Nov 2014
Revised
Scale 1 : 1250
Ref: UTM NAD 83
0 10 20 30 40 50
Scale Meters

Proposed Grav. Line #15

#16

#17

#18

#19

#20

Proposed BaseLine

Proposed Diamond Drilling

Inferred Fault 18°

6626493 N

598750 E

U

T

S

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

DD14-28(45)

DD14-29(-45)
DD14-30(-55)

DD14-32(-45)
DD13-33(-60)

DD14-33(-45)

DD14-34(-45)
DD14-35(-60)

RC 12-19(-45)
RC 12-20(-64)
DD13-67(-45)
DD13-68(-60)

Fault

Fault

730

735

740

745

750

Drill Collars
See Sections
for Detail
Appendix 3

14 MC

14

FIRESIDE MINERALS
Lynx Claim Plan
Drawn by SCA
Date Nov 2014
Revised
Scale 1 : 500
Ref: UTM NAD 83

0 10 20 30 40 50
Scale Meters

APPENDIX 2

Diamond Drill Log

Dip Test		
	Angle	
Footage	Reading	Corrected

Hole No. DDH14-28	Sheet No. 1	Total Depth: 44.81 m
Section: 1,642,916 N	Latitude: 1642916.37	Logged by: Scott Allan
Date Started: Sept 10th	Departure: 929897.45	Dip: -45^0
Date Finished: Sept 10th	Elevation: 736.67	Core Size: NQ
Date Logged: September 10th	Azimuth: 45^0	

Depth M		Rec	Description	Sample No.	From m	To m	Sample Width	Assay		
From	To							S/G		
0.00	4.57		Casing							
4.57	20.57		Banded siltstone Siderite + limonite veins 15.7 m Barite veins 18.6-19.2 m							
20.57	22.95		Bleached porphyritic Diorite							
22.95	23.77		Fault gouge							
23.77	27.22		Disseminated Vuggy silica fracturing black banded siltstone Water @ 26.82 m							
27.22	35.97		Fault gouge							
35.97	39.55		Black banded siltstone Cut by siderite + silica Veinlets							
39.55	45.11		Fault gouge Bleached Rare barite fragments							
			EOH							

Diamond Drill Log

Dip Test		
	Angle	
Footage	Reading	Corrected

Hole No. DDH14-29	Sheet No. 1	Total Depth: 44.81 m
Section: 1642916N	Latitude: 1642916.602	Logged by: Scott Allan
Date Started: Sept 10th	Departure: 929897.068	Dip: -45^0
Date Finished: Sept 10th	Elevation: 737.317	Core Size: NQ
Date Logged: September 10th	Azimuth: 90^0	

Depth M		Rec	Description	Sample No.	From m	To m	Sample Width	Assay		
From	To							S/G		
0.00	4.57		Casing							
4.57	14.78		Banded Siltstone Fractured by siderite and limonite veins							
14.78	17.07		Fault gouge Bleached							
17.07	20.88		Bleached Diorite							
20.88	21.11		Fault gouge							
21.11	26.06		Banded siltstone Variable bleaching cut by barite							
26.06	27.37		Barite							
27.37	33.15		Disseminated barite Fracturing bleached siltstone							
33.15	42.37		Barite Minor Silica Trace Galena Low grade at 41.76 m	S1 S2 S3	33.22 40.61 42.14	33.38 40.77 42.21	0.15 0.15 0.08	4.06 3.98 4.21		
42.37	42.67		Quartz Breccia							
42.67	46.18		Bleached Siltstone Cut by disseminated silica							
46.18	47.24		Bleached porphyritic diorite							
			EOH							

Diamond Drill Log

Dip Test		
	Angle	
Footage	Reading	Corrected

Hole No. DDH14-30	Sheet No. 1	Total Depth: 66.45m
Section: 1642916N	Latitude: 1642916.602	Logged by: Scott Allan
Date Started: Sept 10th	Departure: 929897.068	Dip: -58^0
Date Finished: Sept 11th	Elevation: 737.317	Core Size: NQ
Date Logged: September 11th	Azimuth: 90^0	

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	18.14		Black Banded siltstone, Cut by siderite + silica veins, Bleached laminations							
18.14	20.57		Bleached banded siltstone Commonly fractured							
20.57	26.11		Fault Gouge							
26.11	30.33		Bleached banded siltstone Cut by limonite + barite veinlets							
30.33	40.23		Barite Trace sulphides	S1 S2 S3 S4	30.48 32.77 35.81 39.01	30.63 32.84 36.00 39.17	0.15 0.08 0.18 0.15	4.34 4.39 4.31 4.34		
40.23	44.99		Bleached siltstone Pervasive fractures							
44.99	47.85		Barite	S5 S6	45.19 47.17	45.34 47.32	0.15 0.15	4.14 4.30		
47.85	51.36		Bleached banded siltstone Pervasive fractures Commonly cut by barite veinlets							
51.36	52.35		Barite	S7	51.64	51.76	0.12	4.18		
52.35	56.08		Bleached siltstone cut by barite							
56.08	59.44		Barite	AS1	56.08	59.44	3.35	4.28	10	737

			Broken sample							
59.44	61.72		Disseminated Silica Fracturing siltstone Fault gouge 59.44-60.66 m							
61.72	66.45		Bleached siltstone Broken ground							
			EOH							

Diamond Drill Log

Dip Test		
	Angle	
Footage	Reading	Corrected

Hole No. DDH14-31	Sheet No. 1	Total Depth: 50.29 m
Section: 1642893N	Latitude: 1642893.03	Logged by: Scott Allan
Date Started: Sept 11th	Departure: 929888.297	Dip: -45^0
Date Finished: Sept 11th	Elevation: 737.281	Core Size: NQ
Date Logged: September 11th	Azimuth: 90^0	

Depth M		Rec	Description	Sample No.	From m	To m	Sample Width	Assay		
From	To							S/G		
0.00	3.66		Casing							
3.66	8.23		Porphyritic Diorite							
8.23	9.30		Bleached banded siltstone							
9.30	9.98		Bleached porphyritic diorite							
9.98	10.13		Quartz vein							
10.13	17.15		Black banded siltstone Cut by siderite silica and barite veins							
17.15	23.85		Fault gouge Bleached loose ground							
23.85	25.91		Bleached banded siltstone							
25.91	26.52		Barite							
26.52	27.97		Barite Inclusion rich							
27.97	31.82		Bleached banded siltstone							
31.82	32.13		Barite quartz breccia							
32.13	34.75		Barite	S1 S2	32.84 34.52	32.92 34.67	0.08 0.15	4.16 4.37		
34.75	35.43		Disseminated barite Fracturing siltstone							
35.43	37.43		Barite	S3	35.89	36.12	0.23	4.27		

			Major Specular Galena	S4	37.08	37.19	0.10	4.00		
37.43	45.72		Bleached Siltstone Fractured commonly Cut by barite to Loose broken ground							
45.72	50.29		Banded Siltstone							
			EOH							

Diamond Drill Log

Dip Test		
	Angle	
Footage	Reading	Corrected

Hole No. DDH14-32	Sheet No. 1	Total Depth: 72.54 m
Section: 1642893N	Latitude: 1642893.03	Logged by: Scott Allan
Date Started: Sept 11th	Departure: 929888.297	Dip: -45^0
Date Finished: Sept 12th	Elevation: 737.281	Core Size: NQ
Date Logged: September 12th	Azimuth: 60^0	

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	13.87		Banded Siltstone Broken sample							
13.87	18.21		Porphyritic diorite Cut by sparse barite							
18.21	19.05		Fault gouge							
19.05	20.73		Bleached Porphyritic diorite							
20.73	23.82		Black banded siltstone							
23.82	29.87		Fault gouge ,Bleached after 24.69							
29.87	36.42		Bleached banded siltstone Cut by silica veinlet's vuggy disseminated barite							
36.42	64.25		Barite Trace sulphides over intersection Minor Lead 42.06-42.37 m 44.04-45.11 m 47.02-47.63 m 61.72-63.86 m Quartz vein 47.02-47.63 m Fault Gouge 56.24-56.69 m	S1 S2 S3 S4 S5 S6 S7 S8 AS1	37.19 42.06 45.31 48.16 51.71 54.86 58.93 62.18 36.42	37.34 42.21 45.46 48.26 51.82 55.02 59.13 62.41 64.25	0.15 0.15 0.15 0.10 0.10 0.15 0.20 0.23 27.83	4.36 4.19 4.31 4.19 4.26 4.26 4.31 4.20 4.39	782	300
64.25	65.68		Vuggy Quartz barite siderite breccia							

65.68	69.49		Disseminated Siderite + silica Fracturing black banded siltstone							
69.49	72.54		Black banded siltstone ,Pervasively fractured by hairline Siderite veinlets							
			EOH							

Diamond Drill Log

Dip Test		
	Angle	
Footage	Reading	Corrected

Hole No. DDH14-33	Sheet No. 1	Total Depth: 78.41 m
Section: 1642893N	Latitude: 1642893.03	Logged by: Scott Allan
Date Started: Sept 13th	Departure: 929888.297	Dip: -60^0
Date Finished: Sept 13th	Elevation: 737.281	Core Size: NQ
Date Logged: September 13th	Azimuth: 60^0	

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	8.84		Porphyritic diorite Variable bleaching							
8.84	32.92		Banded Siltstone Fine sand laminations Fault gouge 20.42-23.16 m 26.82-30.48 m							
32.92	45.11		Fault gouge							
45.11	49.01		Disseminated quartz Brecciating bleached siltstone Fault gouge 46.86-47.24 m							
49.01	63.19		Barite Fractured if not faulted at times	S1 S2 S3 AS1	49.54 51.51 58.67 49.01	49.68 51.72 58.77 63.19	0.14 0.21 0.09 14.18	4.29 4.30 4.44 4.46	 23	 61
63.19	63.40		Fault gouge							
63.40	64.92		Quartz breccia Clast supported							
64.92	70.56		Barite	S4 S5	67.00 68.48	67.06 68.58	0.06 0.10	4.07 4.28		
70.56	71.98		Disseminated barite Fracturing bleached siltstone							

71.98	78.41		Fault gouge Bleached to 73.30 m							
78.41	78.64		Porphyritic Diorite							
			EOH							

Diamond Drill Log

Dip Test		
	Angle	
Footage	Reading	Corrected

Hole No. DDH14-34	Sheet No. 1	Total Depth: 51.05 m
Section: 1642893N	Latitude: 1,642,893.43	Logged by: Scott Allan
Date Started: Sept 13th	Departure: 929888.47	Dip: -45^0
Date Finished: Sept 14th	Elevation: 737.29	Core Size: NQ
Date Logged: September 14th	Azimuth: 120^0	

Depth M		Rec	Description	Sample No.	From m	To m	Sample Width	Assay		
From	To							S/G		
0.00	3.05		Casing							
3.05	5.03		Porphyritic Diorite							
5.03	7.34		Bleached Porphyritic Diorite Fractured							
7.34	9.94		Porphyritic Diorite							
9.94	10.39		Barite							
10.39	18.29		Black Banded Siltstone							
18.29	26.72		Bleached Fault gouge							
26.72	27.37		Bleached Banded Siltstone							
27.37	28.50		Barite	S5	27.53	27.78	0.25	4.33		
28.50	29.72		Disseminated Barite Brecciating bleached siltstone							
29.72	32.00		Bleached Siltstone							
32.00	39.32		Barite Low grade 36.6 – 36.8 m	S1 S2 S3 S4	32.00 34.59 36.02 39.01	32.08 34.75 36.17 39.17	0.08 0.16 0.15 0.16	4.15 4.35 4.32 4.09		
39.32	41.76	20%	Dropped core Rubbly barite + black siltstone Barite likely goes to 41.5 m based off return.							
41.76	51.05		Disseminated quartz + barite in siltstone Trace Sphalerite Brecciated 45.34 - 47.85 m							
			EOH							

Diamond Drill Log

Dip Test		
	Angle	
Footage	Reading	Corrected

Hole No. DDH14-35	Sheet No. 1	Total Depth: 60.35 m
Section: 1642893N	Latitude: 1,642,893.43	Logged by: Scott Allan
Date Started: Sept 14th	Departure: 929888.47	Dip: -60^0
Date Finished: Sept 14th	Elevation: 737.29	Core Size: NQ
Date Logged: September 14th	Azimuth: 120^0	

Depth M		Rec	Description	Sample No.	From m	To m	Sample Width	Assay		
From	To							S/G		
0.00	3.05		Casing							
3.05	8.03		Porphyritic diorite Variable bleaching							
8.03	25.37		Black banded siltstone Common sand laminations, Disseminated silica + siderite 8.03 - 12m Fractured broken ground							
25.37	28.96		Fault gouge							
28.96	30.40		Fractured black banded siltstone							
30.40	34.90		Fault gouge Bleached after 31.63 m							
34.90	37.41		Barite Low grade after 36.6 m	S1 S2	34.95 35.97	35.05 36.20	0.10 0.23	4.26 4.17		
37.41	45.19		Bleached siltstone							
45.19	52.83		Barite Trace Sulphides	S3 S4 S5	45.95 48.62 51.41	46.18 49.00 51.97	0.23 0.23 0.38	4.15 4.38 4.36		
52.83	54.44		Bleached Siltstone Fractured by disseminated barite							
54.44	55.85		Barite Major Silica							
55.85	60.35		Porphyritic Diorite Cut by sparse barite and silica veins							

			EOH							

ISO9001:2008 Certified

Loring Laboratories (Alberta) Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 403- 274-2777 Fax: 403-275-0541
loringlabs@telus.net

FILE: 5 7 7 4 5

TO: Fireside Minerals
Box 32069 West Bank BC
V4T 3G2

DATE: October 16, 2014

Sample: Pulp

Attn: Scott Allan

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
DDH-14-30-AS1	<0.5	0.06	1	386	>10000	<1	0.03	3	<1	40	25	0.09	<0.01	<1	0.01	89	4	0.01	8	<0.01	10	<1	321	<1	<0.01	<1	1	1	737	2
DDH-14-32-AS1	<0.5	0.04	1	254	>10000	1	0.02	1	<1	25	26	0.17	<0.01	1	0.01	34	<1	0.01	10	<0.01	782	1	518	1	<0.01	<1	1	2	300	1
DDH-14-33-AS1	<0.5	0.08	<1	234	>10000	<1	0.03	<1	<1	14	12	0.06	0.02	1	0.01	16	<1	0.01	11	<0.01	23	1	694	<1	<0.01	<1	1	1	61	1
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

* 0.500 Gram sample is total digested with multi acid and ICP finish.

* Sample received on Sept. 22, 2014

Certified by: 

Loring Laboratories(Alberta) Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel:403- 274-2777 Fax:403- 275-0541

ISO9001:2008 Certified

FILE: 5 7 7 4 5

TO: Fireside Minerals
Box 32069 West Bank BC
V4T 3G2

DATE: October 16, 2014

Sample: Pulp

Attn: Scott Allan

WHOLEROCK ICP ANALYSIS

Sample I.D.	Al_2O_3 %	BaSO4 %	CaO %	Cr ppm	Fe_2O_3 %	K_2O %	MgO %	MnO %	Na_2O %	Ni ppm	P_2O_5 %	SO_3 %	SiO_2 %	Sr ppm	TiO_2 %	V ppm	LOI@1000 %	SUM %
DDH-14-30-AS1	0.12	91.90	0.04	40	0.14	0.01	0.02	0.01	0.01	8	<0.01	0.20	7.38	321	<0.01	1	0.31	100.14
DDH-14-32-AS1	0.08	94.32	0.03	25	0.24	0.01	0.01	<0.01	0.01	10	<0.01	0.39	4.33	518	<0.01	1	0.30	99.73
DDH-14-33-AS1	0.15	96.38	0.04	14	0.08	0.02	0.02	<0.01	0.02	11	<0.01	0.42	2.06	694	<0.01	1	0.34	99.54

Sample received on Sept. 22, 2014

0.5 gm sample digested with multi acids and finished by ICP

BaSO4 value by wet chemistry gravimetric assay method.

Certified by:

LORING LABORATORIES (ALBERTA) LTD.
629 Beaverdam Road N.E. Calgary, Alberta T2K 4W7
Tel : (403) 274-2777 Fax : (403) 275-0541
Email: loringlabs@telus.net www.loringlabs.net

ISO 9001:2008 Certified

TO: Fireside Minerals
Box 32069 West Bank BC
V4T 3G2

Attn: Scott Allan

File No : 5 7 7 4 5
Date : October 16, 2014
Samples : Pulp

Certificate of Assay

Sample No.	% BaSO4	S.G.
"Assay Analysis"		
DDH-14-30-AS1	**91.90**	**4.28**
DDH-14-32-AS1	**94.32**	**4.39**
DDH-14-33-AS1	**96.38**	**4.46**

Methodology: Specific Gravity by le Chatelier SG bottle.
BaSO4 by wet chemistry gravimetric method.

Sample received on Sept. 22, 2014

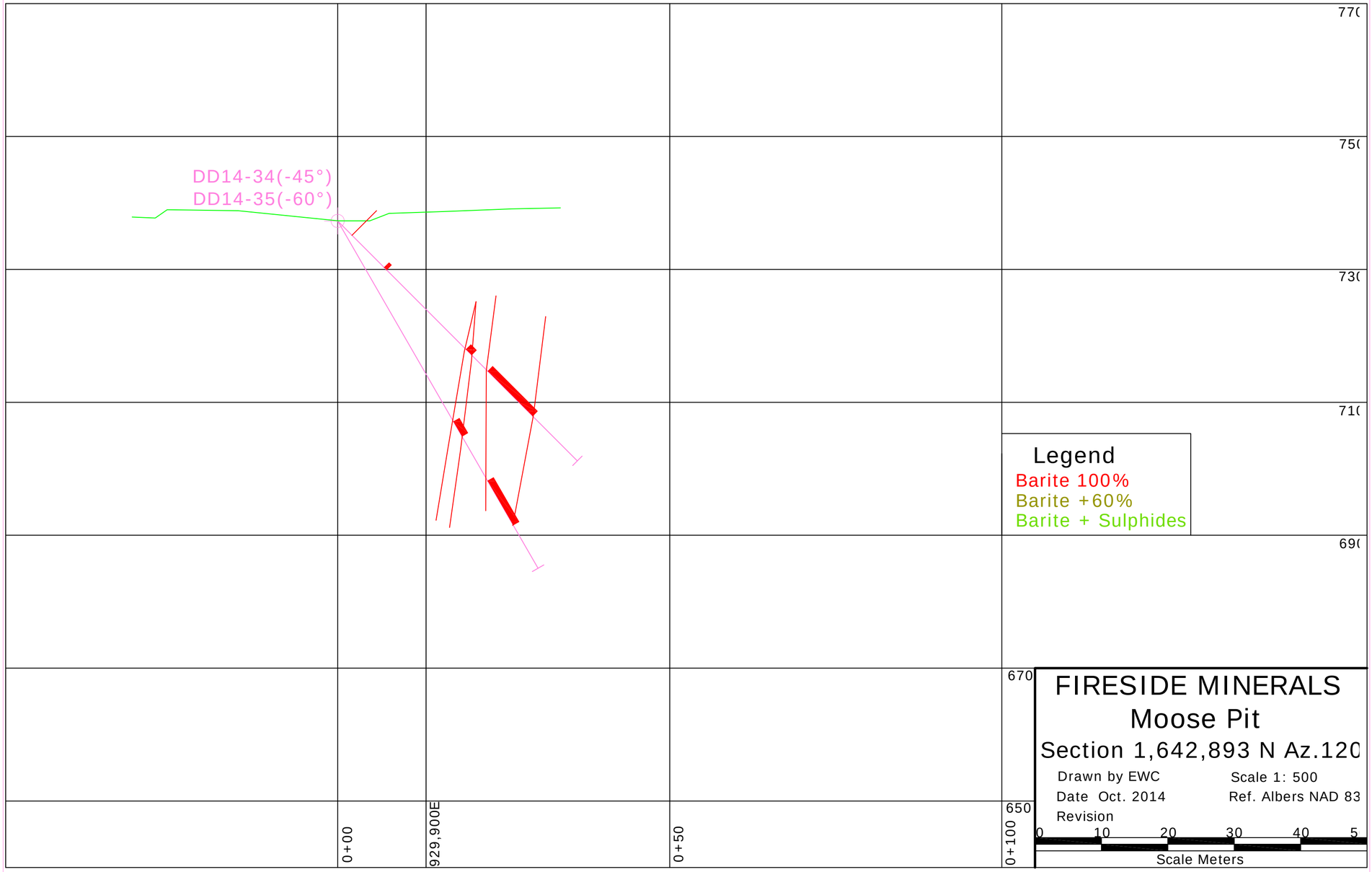
I HEREBY CERTIFY that the above results are those assays made by me upon the herein described samples:

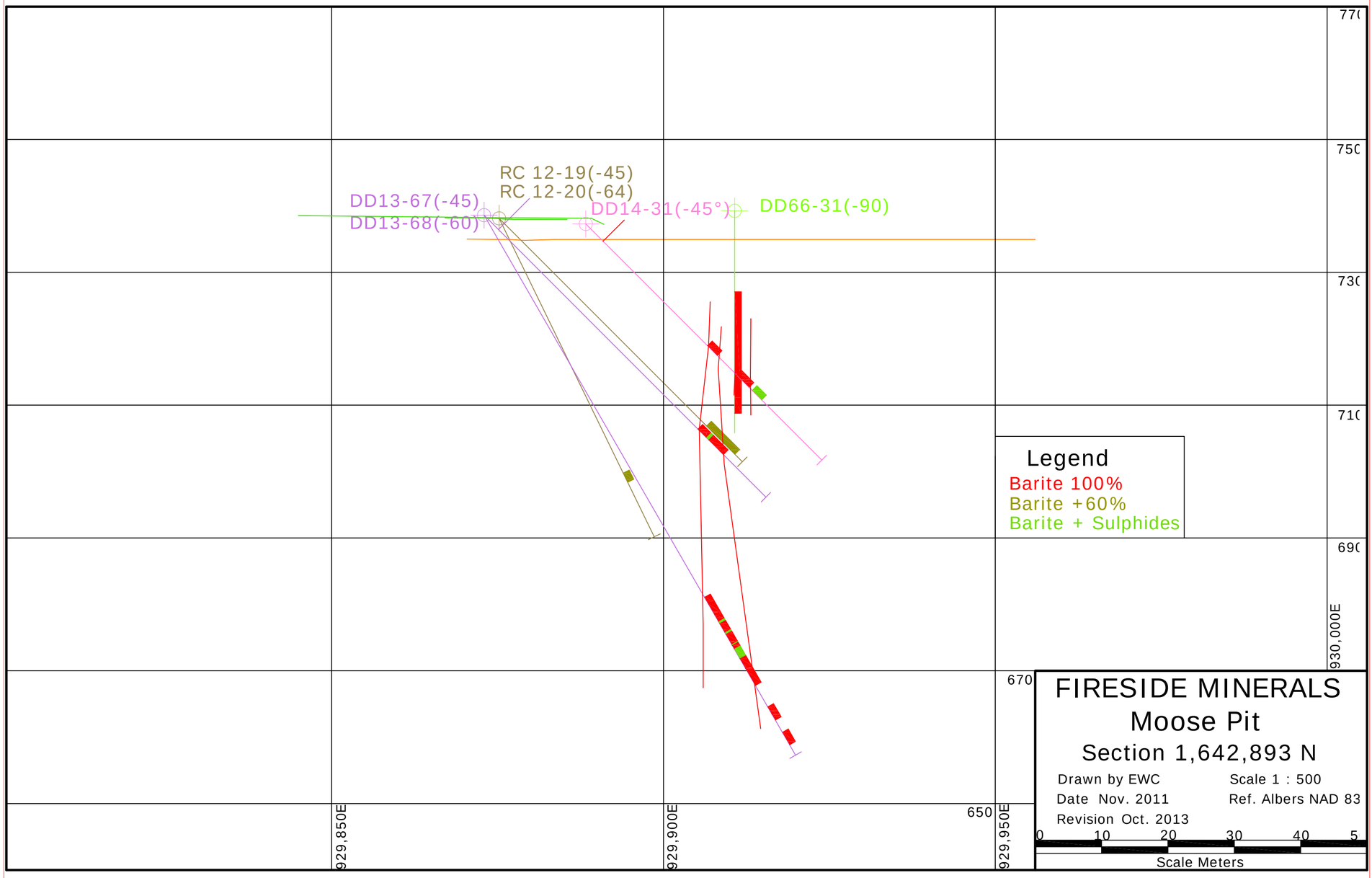
Assayer

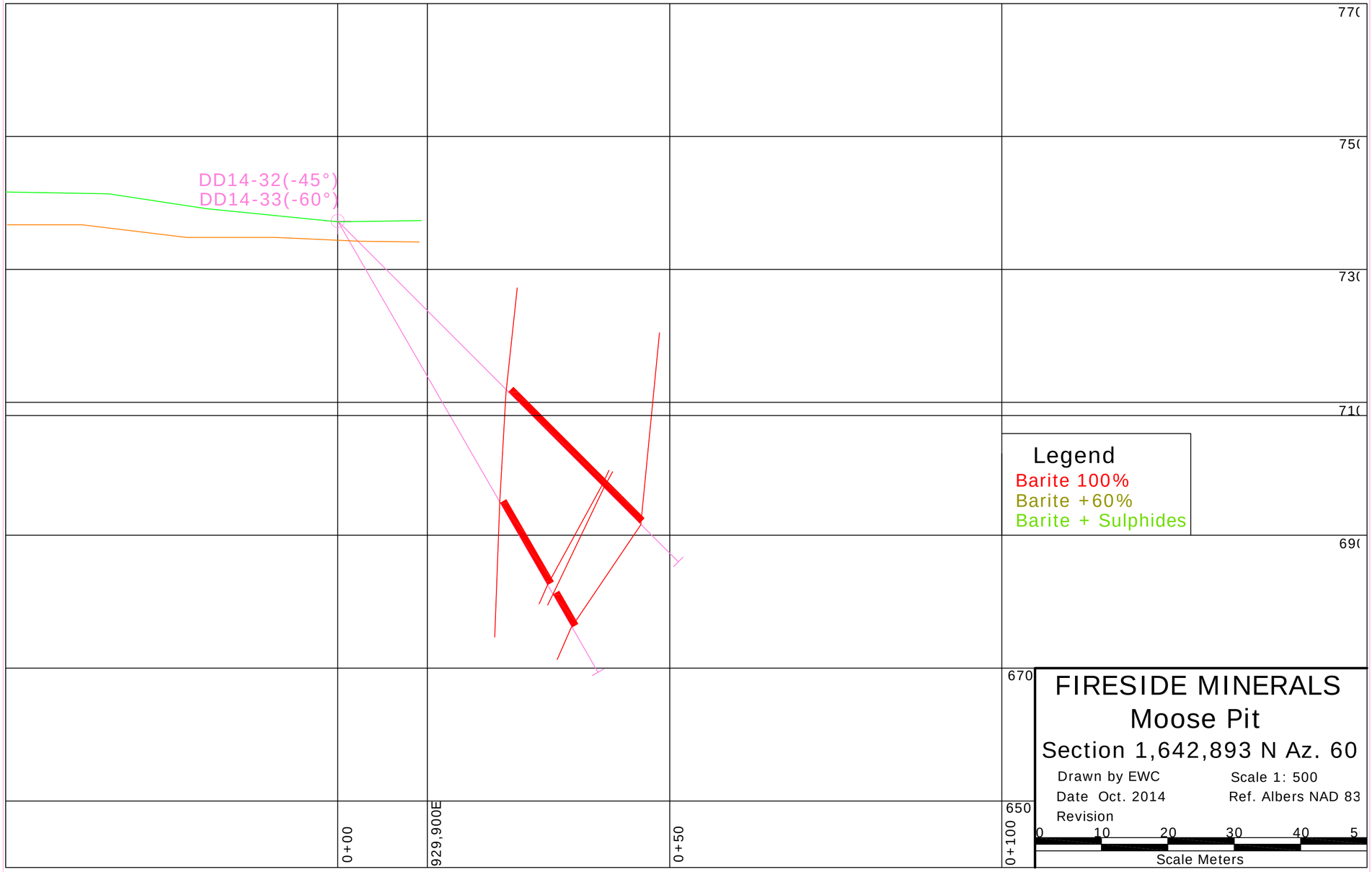
Rejects and pulps are retained for one month unless specific arrangements are made in advance.

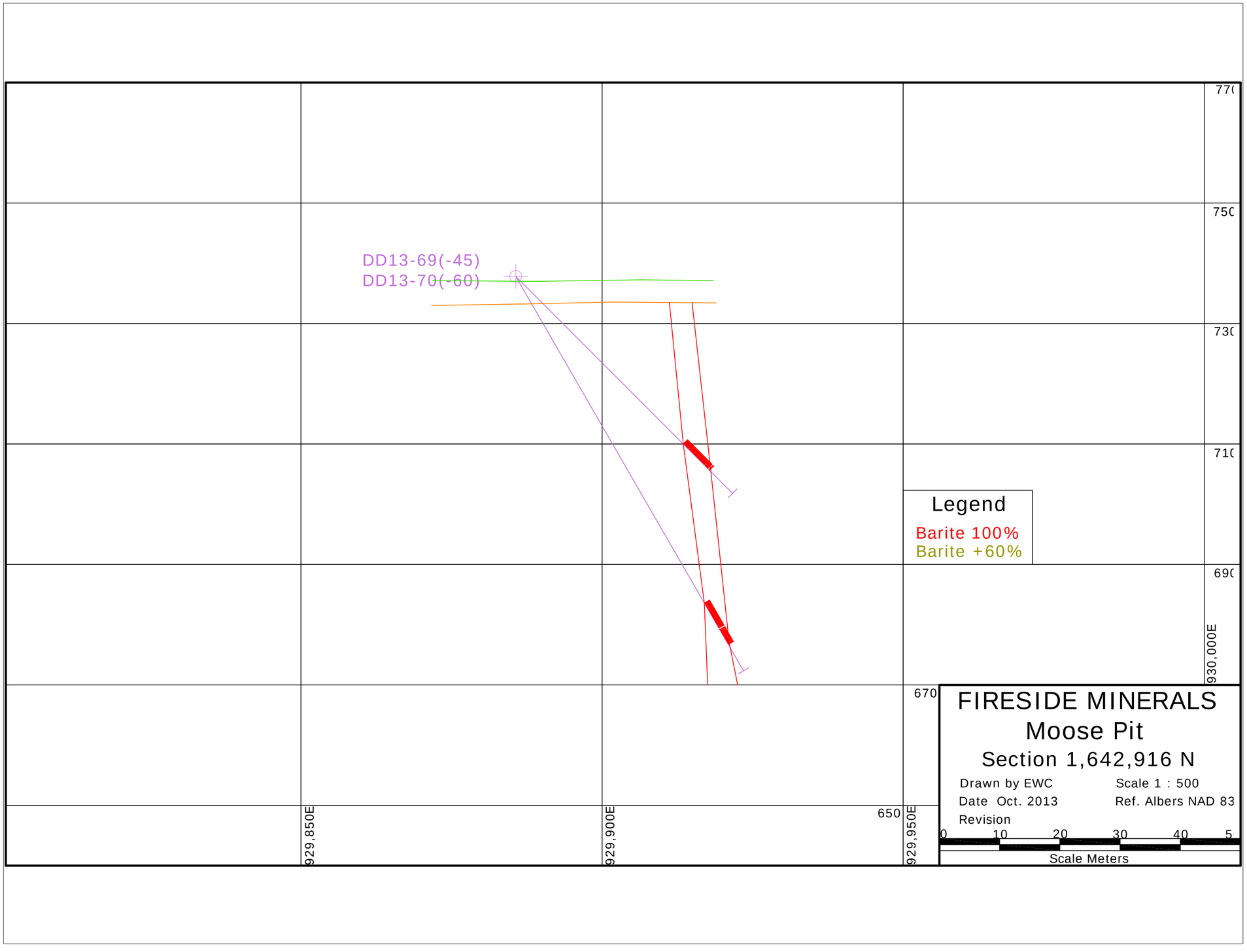
FORM ASYC-015

APPENDIX 3


DD14-34(-45°)
DD14-35(-60°)
770
750
730
710
690
670
650
Legend
Barite 100%
Barite +60%
Barite + Sulphides
FIRESIDE MINERALS
Moose Pit
Section 1,642,893 N Az.120
Drawn by EWC
Scale 1: 500
Date Oct. 2014
Ref. Albers NAD 83
Revision
0
10
20
30
40
5
Scale Meters
0+00
929,900E
0+50
0+100


RC 12-19(-45)
RC 12-20(-64)
DD13-67(-45)
DD13-68(-60)
DD14-31(-45°)
DD66-31(-90)
Legend
Barite 100%
Barite +60%
Barite + Sulphides
770
750
730
710
690
930,000E
670
650
929,850E
929,900E
929,950E
FIRESIDE MINERALS
Moose Pit
Section 1,642,893 N
Drawn by EWC
Scale 1 : 500
Date Nov. 2011
Ref. Albers NAD 83
Revision Oct. 2013
0 10 20 30 40 5
Scale Meters


770
750
730
710
690
670
650
DD14-32(-45°)
DD14-33(-60°)
0+00
929,900E
0+50
0+100
Legend
Barite 100%
Barite +60%
Barite + Sulphides
FIRESIDE MINERALS
Moose Pit
Section 1,642,893 N Az. 60
Drawn by EWC
Scale 1: 500
Date Oct. 2014
Ref. Albers NAD 83
Revision
0 10 20 30 40 5
Scale Meters


DD13-69(-45)
DD13-70(-60)
Legend
Barite 100%
Barite +60%
77(
75(
73(
71(
69(
930,000E
670
650
929,850E
929,900E
929,950E
FIRESIDE MINERALS
Moose Pit
Section 1,642,916 N
Drawn by EWC
Scale 1 : 500
Date Oct. 2013
Ref. Albers NAD 83
Revision
0 10 20 30 40 5
Scale Meters