

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)]: Prospecting

TOTAL COST: 4,000

AUTHOR(S): Scott Allan

SIGNATURE(S): 

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

YEAR OF WORK: 2013

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5,466, 394

PROPERTY NAME: Denis

CLAIM NAME(S) (on which the work was done): 410487, 410488, 896192

COMMODITIES SOUGHT: Barite

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: _____

MINING DIVISION: Liard

NTS/BCGS: 94M, 075

LATITUDE: 59° 42' 25" LONGITUDE: 127° 13' 12" (at centre of work)

OWNER(S):
1) Doug Allan

2) Andrew Allan

MAILING ADDRESS:
250 Jarvis Bay Dr
Sylvan lake, AB, T4S 1R8

1274 Pettman, West Kelowna
BC, V1Z 2R7

OPERATOR(S) [who paid for the work]:
1) Fire side Minerals LTD.

2) _____

MAILING ADDRESS:
1274 Pettman, West Kelowna
BC, V1Z, 2R7

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

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 4483

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	five samples analyzed for Barite		200
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)	1:10000, 392 Ha		3,800
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:			4,000

Reconnaissance
Of the
Denis mineral claims

BC Geological Survey
Assessment Report
34414

Situated at Kilometer 844 of the Alaska Highway

Liard Mining Division
Northeastern British Columbia
N.T.S. 94M.075

Latitude 59° 42' 25" Longitude 127° 13' 12"

Field work between August 24th and 25th 2013

On behalf of

Fireside Minerals Ltd.
West Bank, British Columbia

October 25th 2013
Sylvan Lake, Alberta

Report By:
Scott Allan, G.I.T

Introduction:

On August 25 and 26th, 2013 The author and Andrew Allan completed two days of prospecting on portions of the Denis mineral claims, Located near Fireside on the Alaska highway in north eastern British Columbia.

The Goals of the field work were

- asses access to the property
- confirm barite mineralization
- locate previous workings

A general overview of the setting of the mineralization and field methods will be detailed in this report.

Summary and conclusions:

Access to the property can be located from kilometer 844 along the Alaska Highway, thick overgrowth of willow and alder mask the road and inhibited motorized vehicle access. Once cleared of the brush the road would allow heavy equipment access into the mineralized areas with minimal repairs and clearing.

Three of Ten exploration trenches were located; these trenches completed by Dresser Minerals Ltd. although mostly covered confirmed the presence of barite mineralization. The barite is white to tan, commonly iron stained with a massive crystalline structure with remarkable similarities to the nearby Bear barite deposit actively being developed by Fireside Minerals Ltd.

Location and Access:

The Denis mineral claims are approximately located at kilometer 844 of Alaska Highway Just north of the Fireside Inn and road maintenance camp in northeastern British Columbia. A Cat road exists masked by a thick regrowth of willow and alder on the east side of the highway. This cat road precedes northerly uphill from the highway to the trenched area of the Denis claims for approximately $\frac{3}{4}$ of a kilometer.

The claims reside mostly within the N.T.S map number 94M.075 and a partially within in the northern area of 94M.064. Using BC Albers with NAD 83 the claims have a northing and easting close to 1636390, 931326 respectively.

Claims and Ownership:

Located in the laird mining division the rectangular claims cover the Denis barite mineralization. Two claims are 100% owned by Doug Allan with one larger claims owned by 100% by Andrew Allan; all claims are held by option agreement with Fireside Minerals Ltd.

Claim Data:

Name	Tenure #	Type	Sub-type	Size Ha.	Issue date	Good to date	Status	Owner	Ownership
Beaver 1	410487	Mineral	Claim	25	2004/may/16	2013/dec/25	Good	Doug Allan	100%
Beaver 2	410488	Mineral	Claim	25	2004/may/16	2013/dec/25	Good	Doug Allan	100%
Denis 2	896192	Mineral	Claim	392	2011/sep/07	2014/sep/07	Good	Andrew Allan	100%

Claim 896192 covers the gravity soil anomaly and the main barite mineralization identified by Dresser Minerals Ltd.

General setting:

Summarized From *Craft and Allan*, 2013

Located in the laird plains of northeastern British Columbia the area is covered with spotted lakes interconnected by small creeks boasting a young dense forest of spruce and birch. Glacial till blankets the region varying from 1-15 meters providing very little in the way of outcropping. The claims are located just north of the Laird River with elevation between 600 – 800 meters. Bedrock in the region is identified as thick sequence of Cambrian and older siliciclastic rocks assigned to the Kechika siltstones. A series of broad NW verging anticlines and synclines predominate the region.

Geology and Mineralization:

Summarize from *Cochrane*, 1973

The main barite mineralization is uncovered by a series of ten bull-dozer trenches known as vein #1. The barite is focussed along a braided fault system appearing to be steeply dipping with variable strike attitude from 268° to 240°. The barite veins appear to pinch to the east, and widen to the west. The best mineralization occurs in the southern portion of the most westerly trench boasting a 4 meter width.

The barite is white to tan, commonly iron stained with a massive crystalline structure with irregular blebs of galena and chalcopyrite. The Kechika siltstone hosts the barite mineralization with irregular alteration patterns between an unaltered black siltstone to a buff bleached siltstone. Apparently a narrow geochemical lead soil anomaly commences 400 meters north of the trench #1 being traced for 850 meters with no known cause.

Results:

An assessment of the road showed a thick re-growth of willow and alder but has maintained structural integrity. Clearing of the brush would allow heavy equipment access to the trenched area hosting vein #1 with minimal repairs.

The trenches have mostly been sloughed in with only three trenches being located. The three trenches showed massive barite focussed along a braided fault system. Width of the vein in the first trench was found to be 4.1 meters striking 242° with a near vertical dip. Grab samples were taken for internal evaluation.

Discussion:

The first trench has shown that there is potential for an economic barite resource on the Denis claims. The barite share remarkable similarities with the nearby Bear workings owned by Fireside Minerals Ltd. that currently produces saleable barite along a NE-SW strike. With limited work to the cat road the Denis claims would be accessible by heavy equipment. Previous workings suggest that the vein pinches to the east. Re-excavating the trenches would test the width of the barite vein over its traced strike and highlight any potential drill sites.

The causative body of the lead soil anomaly still has not been found. Five drill sites and ten trenches have been picked off of the soil anomaly to identify the causative body. More work is needed to locate any previous marker to properly locate Dresser Minerals grid on current maps before drilling.

Costs:

Exploration work on Denis claims (410487, 410188, 896192)

Andrew Allan	2 days	1,000	\$/day
Scott Allan	2 days	750	\$/day
Truck	2 days	200	\$/day
Lab costs	5 samples	40	\$/sample
Total cost		4,000	\$

Certificates

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

Allan, Scott Clayton
B.Sc. Geology – U. of C., 2013
Registered G.I.T with Apega
Production and exploration for Fireside Minerals since 2010.

References

Cochrane, D.R. (1973): Reconnaissance Gravity Survey of portions of the Denis #1 to #20 Mineral Claims (Fireside Project); Tournigan Mining Exploration Ltd. Internal Company Report, 24 pages

Craft, E.W., Allan, S.C. (2013): Fireside Minerals Ltd 43-101, Unpublished report prepared for Fireside Minerals Ltd

Fireside Minerals Location Map

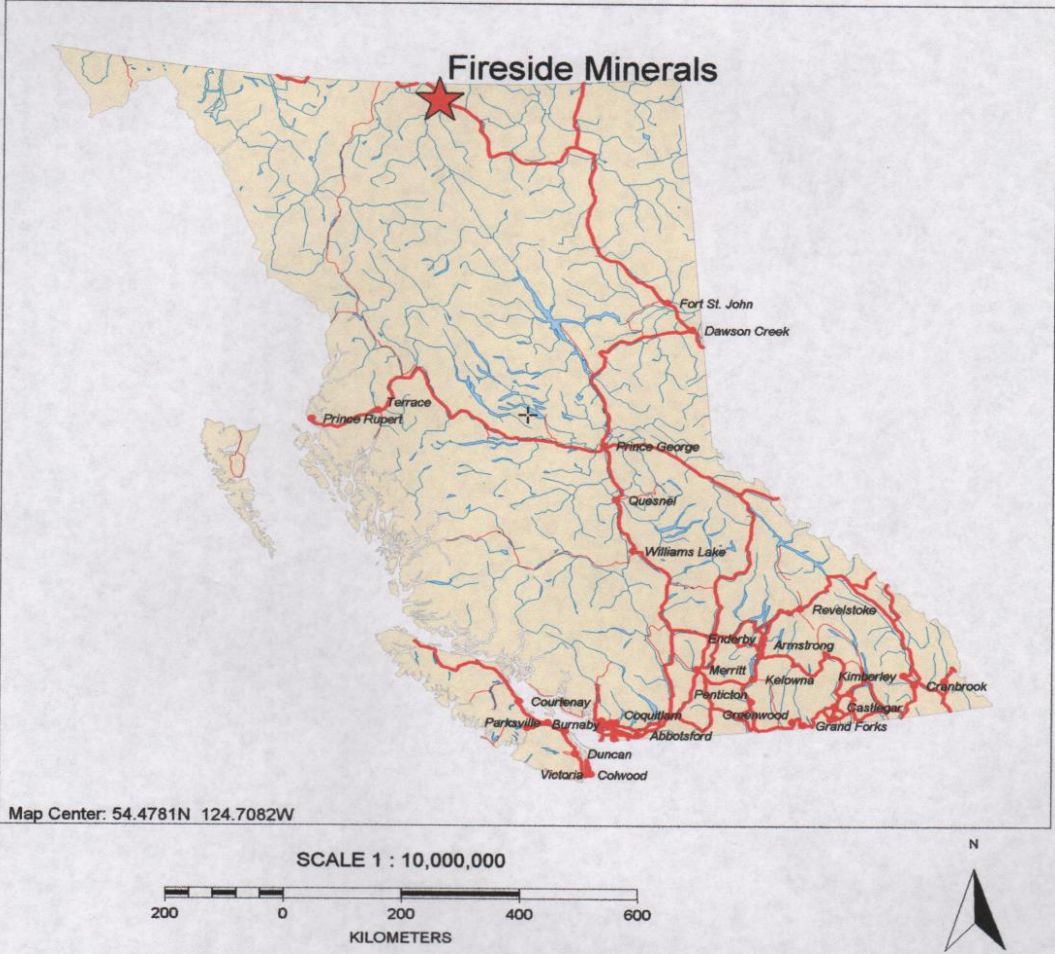


Figure 1. Plan view map showing the nearby location of the Fireside Minerals mining claims approximately 6 km's north of the Denis claims

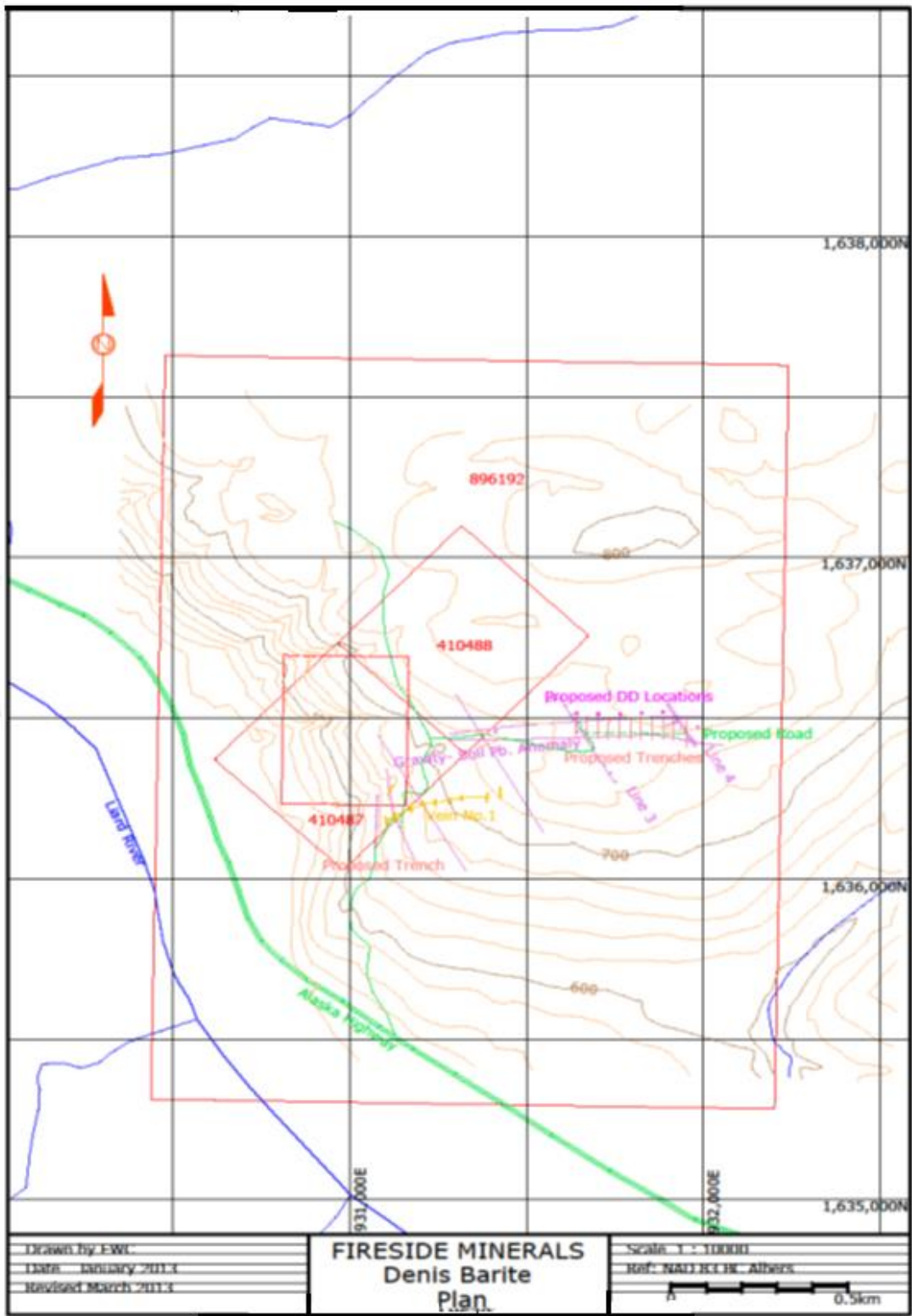


Figure 2. Plan view map of the Denis barite occurrence



Figure 3. Trench #1 showing barite mineralization with sub-vertical dip



Figure 4. Property access from the highway



Figure 5. Overgrowth barring motorized vehicle access to the cat road.