



**NATIONAL INSTRUMENT 43-101 TECHNICAL REPORT
(Amended: September 24, 2009)**

**THE ATTIKAMAGEN IRON PROPERTY, WESTERN LABRADOR
PROVINCE OF NEWFOUNDLAND AND LABRADOR**

NTS MAP-SHEETS 23J/15 and 16
54° 53'30"N and 66° 36'45"W

by

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TABLE OF CONTENTS

1.0 SUMMARY	5
2.0 INTRODUCTION	11
2.1 Sources of information	11
2.2 Units of reference.....	11
3.0 RELIANCE ON OTHER EXPERTS	12
4.0 PROPERTY DESCRIPTION AND LOCATION	12
4.1 Description and location	12
4.2 Property agreement.....	16
4.3 Environmental liabilities	16
4.4 Work permits.....	18
5.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY	19
5.1 Accessibility	19
5.2 Climate.....	19
5.3 Local resources and infrastructure	19
5.4 Physiography.....	20
6.0 THE PROVINCE OF NEWFOUNDLAND AND LABRADOR, CANADA	23
6.1 History and politics.....	23
6.2 Geography, demographics and statistics	24
7.0 HISTORY.....	25
8.0 GEOLOGICAL SETTING.....	28
8.1 Regional Geology	28
8.2 Local Geology	28
8.3 Stratigraphy	32
8.4 The Sokoman Formation of the Attikamagen Iron Property - the Pufahl and Hiatt Report	36
8.5 Property Geology	41
8.6 Main iron-rich lithologies	41
8.7 Structure	42
8.0 DEPOSIT TYPES	44
9.0 MINERALIZATION.....	46
10.0 EXPLORATION.....	47
10.1 Field prospecting and mapping	47
10.2 Geophysical surveys	47
10.3 Surface Sampling Program.....	50
10.4 Diamond drilling and core logging	52
11.0 DRILLING.....	56
12.0 SAMPLING METHOD AND APPROACH.....	57
13.0 SAMPLE PREPARATION, ANALYSES AND SECURITY.....	58
14.0 DATA VERIFICATION.....	63
15.0 ADJACENT PROPERTIES	64
15.1 Howells River Taconite Deposit (LabMag Deposit).....	64
15.2 KéMag magnetite-rich taconite iron ore deposit (KéMag Deposit).....	69
16.0 MINERAL PROCESSING AND METALLURGICAL TESTING	76
17.0 MINERAL RESOURCE AND MINERAL RESERVE ESTIMATES.....	76
18.0 OTHER RELEVANT DATA AND INFORMATION	77
18.1 Magnetic inversions and magnetic-volumetric estimates – the MIRA Report	77
18.11 Geological and geophysical modeling	78
18.12 Magnetic-volumetric estimations.....	92
18.2 Taconite tonnage potential.....	95
19.0 INTERPRETATION AND CONCLUSIONS	95
20.0 RECOMMENDATIONS	97

20.1 Proposed exploration program and budget	98
20.2 Program and budget details (all numbers in C\$).....	98
21.0 REFERENCES	100
21.1 Bibliography	102
Certificate of qualification	114

LIST OF FIGURES

Figure 1: Attikamagen Iron Property location map.....	17
Figure 2: Claim Map for the Attikamagen Iron Property	18
Figure 3: Topographic base map from the Attikamagen Iron Property	21
Figure 4: Photographs showing typical rolling hills with sparse vegetation at the.....	22
Figure 5: Location of known mineral occurrences on the Attikamagen Iron Property	29
Figure 6: Map showing the location of the Labrador Trough (New Quebec Orogen).....	30
Figure 7: Lithotectonic Subdivisions of the Central Labrador Trough.....	31
Figure 8: Bedrock geology map showing the geology underlying the Property.....	32
Figure 9: Oblique view, looking north, of the Attikamagen Iron Property.....	33
Figure 10: Schematic cross-section of the western part of the Labrador trough.....	34
Figure 11: Generalized stratigraphy of the Knob Lake Group.....	34
Figure 12: Rock names, types and most common mineral assemblages.....	38
Figure 13: Diagram showing the major potential ore zone	39
Figure 14: Photo showing strongly magnetic laminated magnetite mudstone.....	40
Figure 15: Model showing continental margin-type iron formation.....	40
Figure 16: Outline of folded iron formations on the Attikamagen Iron Property	41
Figure 17: Stereographic plots of poles to bedding (S0) in Lac Sans Chef	43
Figure 18: Location of flight lines for the Novateme airborne geophysical survey paths.....	48
Figure 19: LSC-08-1 drill hole section from the Attikamagen Iron Property	54
Figure 20: LSC-08-2 drill hole section from the Attikamagen Iron Property	55
Figure 21: LSC-08-3 (a) and LSC-08-6 (b) drill hole sections	56
Figure 22: ALS-Chemex Quality Control chart for Certified Standard grading 8.715 % Fe.....	59
Figure 23: ALS-Chemex Quality Control chart for the Certified Standard grading 18.18 % Fe	60
Figure 24: ALS-Chemex Quality Control chart for the Certified Standard @ 3.86 % Fe.....	60
Figure 25: ALS-Chemex Quality Control chart for the Certified Standard @ 2.98 % Fe.....	61
Figure 26: ALS-Chemex Quality Control chart for the Blanks Sample grading 0.01 % Fe	61
Figure 27: ALS-Chemex Quality Control chart for the Duplicate Check Samples	62
Figure 28: Quality Assurance chart for the Blank Check Samples	63
Figure 29: Perspective view of combined digital elevation model surface and Middle Iron Formation interpretation.....	79
Figure 30: Plan view of total magnetic intensity of the Attikamagen Iron Property.....	80
Figure 31: Detail of the Sparse surface model.....	81
Figure 32: Final Middle Iron Formation surfaces	82
Figure 33: Detail from Lac Sans Chef geological model submitted for inversion.....	83
Figure 34: Detail from Jennie Lake geological model submitted for inversion	84
Figure 35: Detail from Joyce Lake geological model submitted for inversion	85
Figure 36: Lac Sans Chef plan view of observed field TMI data (nT) and the predicted magnetic data from the inversion modelling	87
Figure 37: Lac Sans Chef magnetic susceptibility inversion iso-surface at 0.2138 SI.....	88
Figure 38: Lac Sans Chef magnetic susceptibility inversion iso-surface at 0.2138 SI.....	88
Figure 39: Lac Sans Chef magnetic susceptibility inversion iso-surface at 0.2138 SI.....	89
Figure 40: Lac Sans Chef perspective view of 1 SI iso-surface truncated at 250 m depth	89
Figure 41: Lac Sans Chef perspective view of 1.5 SI iso-surface truncated at 250 m depth...	90
Figure 42: Lac Sans Chef perspective view of 2 SI iso-surface truncated at 250 m depth	90

Figure 43: Results from forward modelling non-linear predicted data versus the actual field data 91

LIST OF TABLES

Table 1: Claim listing from the Attikamagen Iron Property 15
 Table 2: Coordinates of historic trenches and channels found northwest of Lac Sans Chef 26
 Table 3: Regional stratigraphic column of west-central Labrador Trough 37
 Table 4: Stereographic characteristics of the F1 folds from the Attikamagen Iron Property ... 42
 Table 5: Deposit model for the Lake Superior-type iron formation..... 45
 Table 6: Mineral occurrence data from the Attikamagen Iron Property 46
 Table 7: Interval and composite iron-assay results from channel and grab samples..... 51
 Table 8: Coordinates and length of the holes in Lac Sans Chef area 52
 Table 9: Iron content from diamond drill core of holes drilled 53
 Table 10: Quality Assurance table for the Duplicate Check Samples 62
 Table 11: Magnetic-volumetric estimation results for the magnetic portion..... 93
 Table 12: Magnetic-volumetric estimates and taconite resource potential 95
 Table 13: Recommended exploration programs and budgets..... 98
 Table 14: Summary program and budget for the Phase 1 and 2 exploration 98

LIST OF SIMPLIFIED MAPS (Included at end of Report)

- Map 1** - Geology of Attikamagen Lake Property
- Map 2** - Detailed Geology of Lac Sans Chef Area
- Map 3** - Detailed Geology of Jennie Lake Area
- Map 4** - Detailed Geology of Joyce Lake Area
- Map 5** - Vertical Gradient Map Lac Sans Chef Area
- Map 6** - Vertical Gradient Map Jennie Lake Area
- Map 7** - Vertical Gradient Map of Joyce Lake Area
- Map 8** - Total Field Magnetic Anomaly Map: Attikamagen Lake Property
- Map 9** - Vertical Gradient Magnetic Anomaly Map: Attikamagen Lake Property

1.0 SUMMARY

Property and Ownership

The Attikamagen Lake Iron property (the "Property") lies along the south western shore of Attikamagen Lake in Western Labrador, centred about 15 km northeast of the town of Schefferville, Quebec. The area is within a "finger" of Labrador enclosed on three sides by the height of land that marks the inter-provincial boundary with Quebec. The property is approximately 220 km north of Labrador City, Newfoundland and Labrador, and centred at 54°53'30"N Latitude, 66°36'45"W Longitude. It straddles National Topographic System (NTS) map references 23J/15 and 23J/16. Attikamagen Lake has an elevation of 468 metres.

The property consists of 946 claims that extend for about 60 km, aligned on a northwest – southeast axis, and cover an area of approximately 310 square kilometres (126 km² in Labrador, 184 km² in Quebec). The 548 claims in Newfoundland & Labrador comprise Mining Licences 011363, 011499, 011500, 013445, 014669, 014676, 014677, 014679. The claims in Québec are 2152571 to 2152599 inclusive.

Champion Minerals Inc. owns 100% of the land and rights (some of which was acquired from 3099869 Nova Scotia Limited and) to operate the Attikamagen Lake Iron property (the "Property"). Ownership of the Property is not subject to any lien, mortgage, royalty or other right in favour of third parties. By virtue of the terms and conditions of the said Option, Champion Minerals has the right to earn a 100% interest in the Property subject to certain annual renewal payments and a royalty.

Geology and Setting

The Property lies in the western, miogeosynclinal part of the Labrador Trough within the Churchill Province of the Canadian Shield, and is underlain by Archean clastic and chemical sedimentary rocks and iron formation of the Knob Lake Group. The Labrador Trough marks the collision between the Rae Province (to the northeast) and the Superior Province (to the southwest). Rocks of the Rae Province were transported westward over Superior basement rocks in a foreland fold and thrust belt marked by a series of imbricate thrusts. On the Property, Knob Lake Group sediments have been folded into a series of open- to tight, linear, shallowly plunging anticlines and synclines with axial planes dipping steeply to the east. Fold plunges are generally less than 20° and toward the south, but reversals occur locally. Rocks underlying the Property are subgreenschist to greenschist grade.

The iron formations on the Property consist of banded sedimentary rocks composed principally of bands of iron oxides, magnetite and hematite within quartz (chert)-rich rock with variable amounts of silicate, carbonate and sulphide lithofacies. They are hosted by the Sokoman Formation and are classified as Lake Superior-type iron formations. Exposed thicknesses of iron formation along the fold limbs are from 100-250 metres, and from 1.5 to 2 kilometres in the hinge areas. Virtually all the iron formations in the Labrador Trough are enriched to some degree by a process that involves the migration of meteoric and synorogenic heated fluids. The fluids circulate through the sediments oxidizing the banded iron formation, recrystallizing iron minerals to hematite, and leaching silica and carbonate. Low-Fe Superior-type iron formations have been locally brought to ore-grade through this process of enrichment, hence the term "enriched ore". Three main lithological units of the Sokoman (iron) Formation, namely the Lower Red Chert (LRC), Pink Grey Chert (PGC), Upper Red Chert (URC) are the favorable horizons underlying the Property. Locally the Jasperitic Upper Iron Formation (JUIF) may also be of economic interest. These iron formation members are folded around shallowly doubly-plunging (10°-30°), northwest-trending, tight F1 synclines and anticlines with F1 axial-planes dipping southwest to northeast.