

**ARCHAEOLOGICAL OVERVIEW**  
**Amaruq Exploration Road**

Agnico Eagle Mines Ltd.



Prepared for:  
Agnico Eagle Mines Ltd.  
Val-d'Or, Quebec

Prepared by:  
Stantec Consulting Ltd.  
Calgary, Alberta

Project Number: 124910368.500

December 2014

This document contains sensitive information about heritage resources that are protected under provisions of the Nunavut Archaeological and Palaeontological Sites Regulations. This information is to be used to assist in planning the proposed project only. It is not to be disseminated, and no copies of this document are to be made without written permission of the Nunavut Department of Culture and Heritage.





**Stantec Consulting Ltd.**  
130 – 2886 Sunridge Way NE  
Calgary AB T1Y 7H9  
Tel: (403) 245-5661  
Fax: (403) 244-4701

December 15, 2014  
File: 124910368.500

**Attention: Mr. Ryan Vanengen**

Agnico Eagle Mines Ltd.  
Meadowbank Division  
Baker Lake, Nunavut, Canada  
X0C 0A0

Dear Mr. Vanengen,

I am pleased to submit to you this report entitled ***Archaeological Overview, Amaruq Exploration Road***. Should you have any questions regarding this project, please do not hesitate to contact me.

Regards,

**STANTEC CONSULTING LTD.**

Jennifer Tischer, M.A.  
Senior Archaeologist, Principal  
Phone: 403-806-1314  
Email: [Jennifer.Tischer@Stantec.com](mailto:Jennifer.Tischer@Stantec.com)



## Table of Contents

<b>PROJECT PERSONNEL .....</b>	<b>III</b>
<b>1.0 INTRODUCTION .....</b>	<b>1</b>
1.1 Project Description.....	1
1.2 Previous Archaeological Studies for Meadowbank Project.....	1
1.3 Objectives .....	4
<b>2.0 ENVIRONMENTAL SETTING .....</b>	<b>5</b>
2.1 Introduction.....	5
2.2 Regional Environment .....	5
2.3 Project Environment.....	5
<b>3.0 HERITAGE RESOURCES .....</b>	<b>7</b>
3.1 Definition.....	7
3.2 Nature of Heritage Resources.....	7
3.3 Mitigative Options.....	7
3.4 Cultural Context .....	8
<b>4.0 METHODS.....</b>	<b>11</b>
4.1 Record Review .....	11
4.2 Review of Previous Studies.....	11
4.3 Review of Maps and Imagery.....	11
4.4 Formulation of Recommendations .....	12
4.5 Site Designation .....	12
<b>5.0 RESULTS .....</b>	<b>13</b>
5.1 Record Review .....	13
5.2 Review of Previous Studies.....	14
5.3 Review of Maps and Imagery.....	16
5.4 Summary .....	20
5.5 Recommendations .....	21
<b>6.0 REFERENCES CITED.....</b>	<b>23</b>

## ARCHAEOLOGICAL OVERVIEW

### Amaruq Exploration Road

#### LIST OF FIGURES

Figure 1-1	Location of Project .....	2
------------	---------------------------	---

#### LIST OF PLATES

Plate 5-1	View north along 2014 proposed winter road, which ran north-south along the watercourse. The proposed Amaruq Exploration Road will cross the lake in the foreground at the narrowest point as illustrated (see Map 11). .....	15
Plate 5-2	View north from LhLb-3 site location (Map 9); the proposed Amaruq Exploration Road will cross the narrows along one of two options, either south or north of the elevated landform at left. The elevated landforms at left and right were inspected for archaeological sites in 2014.....	18
Plate 5-3	View northwest from the east side of the narrows across from site LhLb-3 (Map 9); the two possible Amaruq Exploration Road options are illustrated. The landform at the left and the elevated landform in the foreground were inspected for archaeological sites in 2014.....	19

#### LIST OF APPENDICES

APPENDIX A	TOPOGRAPHIC MAPS .....	A.1
APPENDIX B	SATELLITE PHOTO MAPS .....	B.1

**ARCHAEOLOGICAL OVERVIEW**  
**Amaruq Exploration Road**

**Project Personnel**

Senior Archaeologist/Report Author

Jennifer Tischer, M.A.

GIS Analyst

Evan Strangward, B.A.



## ARCHAEOLOGICAL OVERVIEW

### Amaruq Exploration Road

Introduction

December 2014

## 1.0 Introduction

At the request of Agnico Eagle Mines Ltd. (Agnico Eagle), Stantec Consulting Ltd. (Stantec) conducted a desktop Archaeological Overview for the proposed Amaruq Exploration Road (the Project) between the Meadowbank Mine and the Amaruq (formerly 'IVR') property in Nunavut (Figure 1-1).

### 1.1 Project Description

The proposed Amaruq Exploration Road extends from the Meadowbank Mine Vault Pit in a generally northwest direction to the Amaruq property, approximately 50 km to the northwest. The Amaruq property is a 408-square km exploration property located on Inuit Owned Land. The Amaruq property is subject to a mineral exploration agreement with Nunavut Tunngavik Incorporated. Promising gold mineralization has been identified through exploratory drilling, and studies are currently underway to evaluate how the property could be incorporated into the Meadowbank Mine operational plan.

An all-weather road may be deemed necessary to facilitate year-round exploration activities; as such, Agnico Eagle initiated an evaluation of possible routes for an all-weather road between the Meadowbank Mine and the Amaruq property. Preliminary engineering designs are underway for this road, which will be used to transport fuel, equipment and personnel. The road will be approximately 60 km in length with a 13 m right-of-way. Construction would begin in Q2 of 2016 and would take approximately one year to complete. A number of borrow locations have also been proposed for use.

### 1.2 Previous Archaeological Studies for Meadowbank Project

Previous studies were conducted for the Meadowbank Gold Project under a number of archaeological permits: 99-003A and 03-012A (Webster 2004), 05-012A (Prager 2006), 06-027A (Tischer 2007), 10-022A (Tischer 2010), 11-015A (Tischer 2012), 13-015A (Tischer 2013) and 14-017A (Tischer 2014).

Studies conducted in 1999 and 2003 (Webster 2004) focused largely on assessment of the then-proposed mine area, although some assessment of the marshaling area/tank farm and the all-weather access road to Baker Lake were also assessed during that study. Forty-two sites were recorded during the 1999 archaeological survey, including 40 newly recorded sites and two revisited sites. In 2003, 42 previously unrecorded sites were documented and eight previously recorded archaeological sites were revisited to update site status.