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POST-EA INFORMATION PACKAGE INCLUDING AN UPDATED PROJECT DESCRIPTION ALL SEASON ROAD TO PRAIRIE CREEK MINE

APPENDIX 8-1

SUBMITTED IN SUPPORT OF:

Water Licences MV/PC2014L8-0006, and
Land Use Permits MV/PC2014F0013

SUBMITTED TO:

Mackenzie Valley Land and Water Board
Yellowknife, NT X1A 2N7

Parks Canada,
Nahanni National Park Reserve
Fort Simpson, NT X0E 0N0

SUBMITTED BY:

Canadian Zinc Corporation
Vancouver, BC, V6B 4N9

February 2019

**ARCHAEOLOGICAL IMPACT ASSESSMENT
OF THE FUTURE GEOTECHNICAL PROGRAM FOOTPRINT
PRAIRIE CREEK MINE
ALL SEASON ROAD, NWT
(NWT Class 2 Permit 2018-018)
(Parks Canada Research and Collection Permit NAH-2018-29558)**

PREPARED FOR:

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This document contains sensitive information about Archaeological Resources that are protected under provisions of the Northwest Territories Archaeological Sites Regulations pursuant to the Archeological Site Act and the Parks Canada Agency Act. 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 NWT Cultural Places Program, Prince of Wales Northern Heritage Centre and Parks Canada.

APPENDIX 8-1: NON-CONFIDENTIAL PRELIMINARY AIA SUMMARY

Between August 17 and 27, 2018, Lifeways of Canada Limited (Lifeways), on behalf of Canadian Zinc Corporation (CZN), conducted an Archaeological Impact Assessment (AIA) of the future geotechnical program footprint for the Prairie Creek Mine All Season Road (the Program). The Program will consist of proposed geotechnical bore holes and test pits required to assess and design the future All-Season Road (ASR). The field component of the AIA included the participation of Leon Konisenta from the Naha Dehe Dene Band and Suz'A Tsetso from the Liidlii Kue First Nation. The fieldwork was completed under Class 2 Northwest Territories Archaeologist Permit 2018-018 and Parks Canada Research and Collection Permit NAH-2018-29558.

The AIA consisted of both aerial and pedestrian survey, as well as subsurface shovel testing of the proposed geotechnical test sites. The test pits and bore holes will be advanced along the road right-of-way and within potential borrow pits that will be needed for the construction of the ASR. The bore holes will require a drill rig and the test pits a back hoe, in the winter of 2019/2020 using a winter road built on the ASR alignment for access. Sixty-seven bore holes are proposed and 81 borrow pits. The geotechnical work will be testing for permafrost potential, rock type, and soils.

The AIA Report is confidential, and has been submitted to the Prince of Wales Northern Heritage Centre and Parks Canada for review.