ELK CREEK CARBONATITE REE, NIOBIUM, AND PHOSPHATE MAPS (MOLYCORP, INC.)

COMPILED BY R. M. JOECKEL

CONSERVATION AND SURVEY DIVISION

SCHOOL OF NATURAL RESOURCES

UNIVERSITY OF NEBRASKA-LINCOLN

DISCLAIMER

This document contains maps produced by Molycorp, Inc. in the mid-1980s. These maps summarize data about total lanthanide oxide (LnO Anomalies), phosphate (P₂O₅ Anomalies) and niobium oxide (Nb₂O₅ Anomalies) concentrations in the Elk Creek carbonatite. On the basis of data at the disposal of the Conservation and Survey Division, School of Natural resources, lanthanide oxides ("LnO" in the map legends) include the oxides of cerium (Ce), lanthanum (Ln), and neodymium (Nd).

The maps included herein represent analytical data from drill holes (identified by the abbreviations "EC" and "CA", followed by a number). The original data are incorporated in a separate document.

These maps have been scanned from the original paper copies, but they have not undergone any additional processing or assessment of any kind, and therefore the Conservation and Survey Division, School of Natural Resources, University of Nebraska-Lincoln assumes no responsibility with respect to their accuracy or application.

DATA INCLUDED IN THIS REPORT

The original Molycorp, Inc. maps duplicated in this report are:

Plate 1: Nb₂O₅ anomalies, 500 to -300' elevations

Plate 2: LnO anomalies, 500 to -300' elevations

Plate 3: P₂O₅ anomalies, 500 to -300' elevations

Plate 4: Nb₂O₅ anomalies, -400 to -1300' elevations

Plate 5: LnO anomalies, -400 to -1300' elevations

Plate 6: P₂O₅ anomalies, -400 to -1300' elevations











