

DRAFT ENVIRONMENTAL BASELINE STUDIES 2004 PROGRESS REPORTS

CHAPTER 16. LAND USE

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ACRONYMS

ADEC Alaska Department of Environmental Conservation

ADF&G Alaska Department of Fish and Game

ADOT/PF Alaska Department of Transportation and Public Facilities

agl above ground level

AHRS Alaska Heritage Resource Survey
ANCSA Alaska Native Claims Settlement Act

APE area of potential effect
ASTt Arctic Small Tool tradition
BBNA Bristol Bay Native Association
BLM Bureau of Land Management

BP before present ¹⁴C Carbon 14

CRM cultural resources management

DEM digital elevation model

EIS environmental impact statement
EPA Environmental Protection Agency
FAA Federal Aviation Administration

FR Federal Register

GIS geographic information system

GMU Game Management Unit GPS global positioning system

GLM general linear model

LIDAR light detection and ranging

M.A. Master of Arts

MCHTWG Mulchatna Caribou Herd Technical Working Group

mi² square mile(s)

MMS Minerals Management Service

MODIS moderate resolution imaging spectroradiometer

mph miles per hour

NASA National Aeronautics and Space Administration

NDM Northern Dynasty Mines Inc.

NEPA National Environmental Policy Act NMFS National Marine Fisheries Service

NPS National Park Service

DRAFT LAND USE

NRCS Natural Resource Conservation Service NRHP National Register of Historic Places

NWR National Wildlife Refuge

PSD Prevention of Significant Deterioration

QA quality assurance

QAPP quality assurance project plan
SHPO State Historic Preservation Officer
SRB&A Stephen R. Braund & Associates

SWE snow water equivalent USC United States Code

USDA United States Department of Agriculture

USFS United States Forest Service USFWS U.S. Fish and Wildlife Service

USGS U.S. Geological Survey VHF very high frequency DRAFT LAND USE

16. LAND USE

16.1 Introduction

This report presents the findings of the 2004 baseline study of land use. Because the study did not begin until mid-October 2004, the work effort scheduled for 2004 was minimal. Consequently, the reportable results are limited to initial research and data gathering.

16.2 Study Objectives

The objective of the land use element is to provide baseline information about existing land-use and tenure patterns, land-use and -management plans, and land-management regimes in the project vicinity and other nearby areas that may be affected by project development and operations. This element includes local governmental land-use and coastal-management plans and related regulations, federal and state agency land-management plans, and land-management plans and activities of major private landowners such as Native regional and village corporations. Because transportation systems and land use are closely linked, the study will also consider transportation plans as they relate to land use.

16.3 Study Area

The study area for the land use element comprises the proposed project facilities (mine site, transportation and utility corridor, port) and their immediate vicinity; and other parts of the Lake and Peninsula Borough, Kenai Peninsula Borough (west side of Cook Inlet and, possibly, Homer), and Bristol Bay Borough; and the area west of the mine site to the Mulchatna and Nushagak Rivers where land-use patterns may be affected as a result of the proposed project. The study will cover publicly and privately owned lands. Alaska Native regional and village corporations are major landowners in the study area. The study will consider all actual and allowed land uses except subsistence land uses, which will be addressed in the separate subsistence baseline study.

16.4 Scope of Work

Research for this study was begun in mid-October 2004. The study is being conducted by Kevin Waring Associates according to the approach described in the *Draft Environmental Baseline Studies*, *Proposed 2004 Study Plan* (Northern Dynasty Mines Inc., 2004).

Work completed in the 2004 study mainly involved the collection and review of documents and file data regarding land use, ownership, and management.

16.5 Methods

The method for this study element mainly entails compilation and evaluation of relevant and current official land-use and -management plans, regulatory measures, studies and documents, and transportation

plans. As needed, documentary resources will be supplemented with interviews of key public officials and private parties with responsibility or authority for land-use plans and management in the study region. Existing land uses, and planned and permitted land uses, will be mapped for later assessment of project effects on land-use patterns. No field work is proposed.

16.6 Results and Discussion

Because the study did not begin until mid-October 2004, there are no results to discuss.

16.7 Summary

Not applicable at this time.

16.8 References

At this time, a preliminary bibliography of sources has been compiled, but it is premature to identify a list of references to be cited for the baseline study.

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