
Table of Contents

	Page
Executive Summary	i
A. Director’s Decision	i
B. Exploration Licensing	i
C. Description of the Exploration License Area	ii
D. Habitat, Fish, and Wildlife	ii
E. Current and Projected Uses	ii
F. Oil and Gas in the License Area	ii
G. Governmental Powers to Regulate Oil and Gas	ii
H. Reasonably Foreseeable Cumulative Effects of Licensing and Subsequent Activity	iii
I. Mitigation Measures	iii
Chapter One: Director’s Finding and Decisions	1-1
A. Director’s Written Finding	1-1
B. Disposal Phase Decision	1-3
C. Exploration Phase Decision	1-3
D. Invitation to Bid	1-4
Chapter Two: Introduction	2-1
A. Authority	2-1
B. Exploration Licensing	2-1
C. Process	2-2
D. Written Finding	2-3
Chapter Three: Description of the License Area	3-1
A. Property Description	3-1
B. Access	3-3
C. Subsurface Property and the Public Interest	3-4
D. Historical Background	3-4
E. Local Communities	3-5
F. Historical and Cultural Resources	3-7
G. Climate	3-8
H. Geologic Hazards	3-9
I. References	3-12
Chapter Four: Habitats, Fish, and Wildlife	4-1

Table of Contents

A. Habitats4-1

B. Fish and Wildlife Populations4-3

C. References4-17

Chapter Five: Current and Projected Uses of the License Area5-1

A. Kenai Area Plan5-1

B. Uses and Value of Wildlife, Fish and Plants.....5-1

C. References5-13

Chapter Six: Oil and Gas Exploration, Development, Production, and Transportation.....6-1

A. Geology6-1

B. Exploration History6-3

C. Oil and Gas Potential6-7

D. Phases of Oil and Gas Resource Development6-8

E. Likely Methods of Transportation.....6-11

F. Regulating Pipelines.....6-13

G. Oil Spill Risk, Prevention, and Response6-14

H. References6-16

Chapter Seven: Governmental Powers to Regulate Oil and Gas7-1

A. Department of Natural Resources (DNR)7-1

B. Department of Environmental Conservation (DEC)7-5

C. Alaska Department of Fish and Game (ADF&G).....7-8

D. Alaska Oil and Gas Conservation Commission (AOGCC).....7-8

E. Department of Labor and Workforce Development (DOLWD)7-9

F. Environmental Protection Agency (EPA)7-10

G. U.S. Army Corps of Engineers (COE).....7-10

H. Pipeline and Hazardous Materials Safety Administration (PHMSA)7-11

I. Fish and Wildlife Service (USFWS)7-11

J. National Marine Fisheries Service7-11

K. U.S. Coast Guard.....7-12

L. Regulations of Oil Spill Prevention and Response7-12

M. Alaska National Interest Lands Conservation Act (ANILCA) Title VIII. Section 8117-12

N. Native Allotments7-12

O. References7-12

Chapter Eight: Reasonably Foreseeable, Cumulative Effects of Licensing and Exploration.....8-1

Table of Contents

A. Introduction8-1

B. Terrestrial Habitats, Wildlife and Birds8-1

C. Marine and Freshwater Habitats, Fish, and Marine Mammals.....8-7

D. Air Quality8-12

E. Subsistence Use.....8-13

F. Sport and Commercial Fishing and Sport Hunting.....8-14

G. Recreation and Tourism8-15

H. Historic and Cultural Resources.....8-15

I. Fiscal Effects8-16

J. Effects on Communities8-17

K. References8-18

Chapter Nine: Mitigation Measures.....9-1

A. Facilities and Operations.....9-1

B. Fish and Wildlife Habitat9-2

C. Subsistence, Commercial and Sport Harvest Activities9-2

D. Fuel and Hazardous Substances9-2

E. Access.....9-2

F. Definitions9-2