

TABLE OF CONTENTS

Volume 1

| | |
|---|--------------|
| HOW TO READ THIS EIS | i |
| SUMMARY OF CHANGES BETWEEN SDEIS AND FEIS..... | iii |
| EXECUTIVE SUMMARY..... | ES-1 |
| LIST OF FIGURES | TOC-4 |
| LIST OF TABLES..... | TOC-5 |
| ACRONYM LIST | TOC-8 |

CHAPTER 1

| | |
|--|------------|
| PURPOSE AND NEED FOR ACTION | 1-1 |
| 1.1 INTRODUCTION | 1-1 |
| 1.2 PURPOSE AND NEED FOR ACTION | 1-2 |
| 1.2.1 Army Training Overview..... | 1-3 |
| 1.2.2 Training Objectives | 1-4 |
| 1.2.3 Range Design Criteria | 1-5 |
| 1.2.4 Range Siting Criteria..... | 1-7 |
| 1.3 SCOPE OF ENVIRONMENTAL ANALYSIS..... | 1-8 |
| 1.3.1 Resource Areas Not Included in the Scope of Environmental Analysis | 1-9 |
| 1.4 DECISION TO BE MADE..... | 1-9 |
| 1.5 COOPERATING AGENCY | 1-10 |
| 1.6 INTERAGENCY COORDINATION..... | 1-10 |
| 1.7 SCOPING AND PUBLIC REVIEW PROCESS | 1-11 |
| 1.7.1 Army Planning..... | 1-12 |
| 1.7.2 Public Participation | 1-12 |
| 1.8 GOVERNMENT-TO-GOVERNMENT CONSULTATION..... | 1-15 |
| 1.8.1 Tribal Consultation | 1-15 |
| 1.9 ISSUES IDENTIFIED DURING THE SCOPING AND PUBLIC REVIEW PROCESS .. | 1-16 |
| 1.9.1 Scoping (1998 to 2003)..... | 1-16 |
| 1.9.2 Draft EIS Public Comment Period (November 2004 to January 2005) | 1-17 |
| 1.9.3 Supplemental Draft EIS Public Comment Period (March to May 2006) | 1-17 |
| 1.10 ISSUES OUTSIDE THE SCOPE OF THIS ENVIRONMENTAL ANALYSIS | 1-18 |
| 1.11 OTHER ENVIRONMENTAL ANALYSES RELEVANT TO THE ACTION..... | 1-18 |
| 1.12 FEDERAL PERMITS, LICENSES AND OTHER ENTITLEMENTS | 1-18 |
| 1.13 ORGANIZATIONAL STRUCTURE OF THIS EIS | 1-19 |

CHAPTER 2

| | |
|--|------------|
| DESCRIPTION OF PROPOSED ACTION AND ALTERNATIVES | 2-1 |
| 2.1 INTRODUCTION | 2-1 |
| 2.2 DESCRIPTION OF THE PROPOSED ACTION..... | 2-1 |
| 2.2.1 Battle Area Complex (BAX) | 2-2 |
| 2.2.2 Combined Arms Collective Training Facility (CACTF) | 2-22 |

| | |
|--|------|
| 2.3 DETAILED DESCRIPTION OF LOCATION ALTERNATIVES | 2-31 |
| 2.3.1 Introduction | 2-31 |
| 2.3.2 Discussion of Screening Criteria | 2-31 |
| 2.3.3 Alternative Viability Analysis | 2-32 |
| 2.3.4 Conclusion of Viability Analysis | 2-37 |
| 2.4 LOCATION ALTERNATIVES CARRIED FORWARD FOR ANALYSIS | 2-39 |
| 2.4.1 General Description | 2-39 |
| 2.4.2 Activity Areas | 2-40 |
| 2.4.3 Description of Location Alternatives | 2-41 |
| 2.5 IDENTIFICATION OF THE PREFERRED ALTERNATIVE | 2-51 |
| 2.6 COMPARISON OF ALTERNATIVES AND ENVIRONMENTAL CONSEQUENCES .. | 2-51 |

CHAPTER 3

AFFECTED ENVIRONMENT

| | |
|--|-------|
| 3.1 INTRODUCTION | 3-1 |
| 3.1.1 Organization | 3-1 |
| 3.1.2 Description of USARAK Lands | 3-2 |
| 3.2 PRIMARY ISSUES OF CONCERN | 3-3 |
| 3.2.1 Soil Resources | 3-3 |
| 3.2.2 Surface Water | 3-10 |
| 3.2.3 Fire Management | 3-19 |
| 3.2.4 Noise | 3-34 |
| 3.2.5 Human Health and Safety | 3-43 |
| 3.2.6 Wildlife and Fisheries | 3-48 |
| 3.2.7 Cultural Resources | 3-63 |
| 3.2.8 Airspace | 3-74 |
| 3.3 SECONDARY ISSUES OF CONCERN | 3-80 |
| 3.3.1 Air Quality | 3-80 |
| 3.3.2 Groundwater | 3-83 |
| 3.3.3 Wetlands | 3-85 |
| 3.3.4 Vegetation | 3-91 |
| 3.3.5 Threatened or Endangered Species and Species of Concern .. | 3-98 |
| 3.3.6 Socioeconomics | 3-101 |
| 3.3.7 Subsistence | 3-106 |
| 3.3.8 Public Access and Recreation | 3-112 |
| 3.3.9 Environmental Justice | 3-121 |

CHAPTER 4

ENVIRONMENTAL CONSEQUENCES

| | |
|--|-----|
| 4.1 INTRODUCTION | 4-1 |
| 4.1.1 Organization | 4-1 |
| 4.1.2 Methodology | 4-2 |
| 4.1.3 Restatement of Proposed Action | 4-3 |
| 4.1.4 Alternatives Considered In This Analysis | 4-3 |

| | |
|---|------------|
| 4.2 PRIMARY ISSUES OF CONCERN | 4-4 |
| 4.2.1 Soil Resources | 4-4 |
| 4.2.2 Surface Water | 4-17 |
| 4.2.3 Fire Management | 4-32 |
| 4.2.4 Noise | 4-46 |
| 4.2.5 Human Health and Safety | 4-61 |
| 4.2.6 Wildlife and Fisheries | 4-70 |
| 4.2.7 Cultural Resources | 4-98 |
| 4.2.8 Airspace | 4-108 |
| 4.3 SECONDARY ISSUES OF CONCERN | 4-119 |
| 4.3.1 Air Quality | 4-119 |
| 4.3.2 Groundwater | 4-131 |
| 4.3.3 Wetlands | 4-137 |
| 4.3.4 Vegetation | 4-150 |
| 4.3.5 Threatened or Endangered Species and Species of Concern | 4-162 |
| 4.3.6 Socioeconomics | 4-168 |
| 4.3.7 Subsistence | 4-175 |
| 4.3.8 Public Access and Recreation | 4-181 |
| 4.3.9 Environmental Justice | 4-194 |
| 4.3.10 Cumulative Effects Analysis | 4-199 |
| CHAPTER 5 | |
| LIST OF PREPARERS AND CONTRIBUTORS | 5-1 |
| CHAPTER 6 | |
| BIBLIOGRAPHY | 6-1 |
| CHAPTER 7 | |
| AGENCIES AND INDIVIDUALS CONTACTED | 7-1 |
| 7.1 AGENCIES AND INDIVIDUALS CONTACTED | 7-1 |
| 7.2 ALASKA NATIVE TRIBAL CONTACTS | 7-3 |
| CHAPTER 8 | |
| DISTRIBUTION LIST | 8-1 |
| GLOSSARY | G-1 |

Volume 2

| | |
|--|---------------|
| CHAPTER 9 | |
| COMMENTS AND RESPONSES | 9-1 |
| APPENDIX | App-1 |
| FIGURES | App-53 |
| DRAFT FINDING OF NO PRACTICABLE ALTERNATIVE | FNPA-1 |

LIST OF FIGURES

| | | |
|--------------------|--|------|
| Figure ES.a | Schematic of the BAX as Illustrated in Army Training Circular 25-8, <i>Training Ranges</i> | ES-4 |
| Figure ES.b | Schematic of the CACTF as Illustrated in TC 25-8, <i>Training Ranges</i> | ES-5 |
| Figure 2.a | Schematic of the BAX as Illustrated in TC 25-8, <i>Training Ranges</i> | 2-3 |
| Figure 2.b | Schematic of the CACTF as Illustrated in TC 25-8, <i>Training Ranges</i> | 2-24 |
| Figure 3.f | Definition of the Fire Weather Index (FWI) | 3-22 |
| Figure 3.j | Typical Decibel Levels for A-Weighted Noise Levels | 3-35 |

The following figures appear in the Appendix in Volume 2:

| | |
|-------------------|---|
| Figure 2.c | General Locations of Alternatives Considered |
| Figure 2.d | General Locations of Alternatives Carried Forward |
| Figure 2.e | Alternative 2 Eddy Drop Zone |
| Figure 2.f | Alternative 3 Donnelly Drop Zone |
| Figure 2.g | Alternative 4 North Texas Range |
| Figure 2.h | Alternative 5 North Texas Range and Eddy Drop Zone Combination |
| Figure 3.a | General Location of Donnelly Training Area |
| Figure 3.b | Soils on Donnelly Training Area East |
| Figure 3.c | Surface Water on Donnelly Training Area East |
| Figure 3.d | 100-Year Floodplains at Donnelly Training Area East |
| Figure 3.e | Extent of Flooding under Non-Ice Affected Conditions |
| Figure 3.g | Fuel Types of Donnelly Training Area East and West |
| Figure 3.h | Fire Management Options at Donnelly Training Area East |
| Figure 3.i | Fire History on Donnelly Training Area East and West |
| Figure 3.k | Existing Average Noise Levels at North Texas Range and North Texas Range/ Eddy Drop Zone Combination |
| Figure 3.l | Airspace for Donnelly Training Area |
| Figure 3.m | Game Management Units on Donnelly Training Area East |
| Figure 3.n | Bison Calving and Summer Range on Donnelly Training Area |
| Figure 3.o | Sandhill Crane Roosting Area on Donnelly Training Area |
| Figure 3.p | Stocked Lakes on Donnelly Training Area East |
| Figure 3.q | Wetlands Survey at Eddy Drop Zone |
| Figure 3.r | Wetlands Survey at Donnelly Drop Zone |
| Figure 3.s | Wetlands Survey at North Texas Range |
| Figure 3.t | Wetlands Survey at North Texas Range/ Eddy Drop Zone Combination |
| Figure 3.u | Vegetation at Eddy Drop Zone |
| Figure 3.v | Vegetation at Donnelly Drop Zone |
| Figure 3.w | Vegetation at North Texas Range |
| Figure 3.x | Vegetation at North Texas Range/ Eddy Drop Zone Combination |
| Figure 4.b | Average Noise Levels at Eddy Drop Zone |
| Figure 4.c | Peak Noise Levels at Eddy Drop Zone |
| Figure 4.d | Average Noise Levels at Donnelly Drop Zone |
| Figure 4.e | Peak Noise Levels at Donnelly Drop Zone |
| Figure 4.f | Average Noise Levels at North Texas Range |
| Figure 4.g | Peak Noise Levels at North Texas Range |
| Figure 4.h | Average Noise Levels at North Texas Range/Eddy Drop Zone Combination |
| Figure 4.i | Peak Noise Levels at North Texas Range/Eddy Drop Zone Combination |
| Figure 4.j | Archaeological Survey at Donnelly Training Area East |
| Figure 4.k | Donnelly Training Area Infrastructure |

LIST OF TABLES

| | | |
|----------------------|--|------|
| Table 1.a | BAX and CACTF Training Objectives as Stated in Training Circular 25-8, <i>Training Ranges</i> , and Definition of Terms Used | 1-4 |
| Table 1.b | Permits, Licenses and Other Entitlements Required Prior to Implementing the Proposed Action. | 1-19 |
| Table 2.a | Minimum Number of Days Required to Train USARAK Units to Standard on a BAX | 2-5 |
| Table 2.b | Maximum Number of BAX Utilization Days | 2-6 |
| Table 2.c | Non-Exploding Live-Fire Munitions and Weapons to Be Used at the BAX . . | 2-10 |
| Table 2.d | Small Arms Range Safety Area Utilization Parameters. | 2-13 |
| Table 2.e | Vehicle Composition of Companies Utilizing the BAX | 2-16 |
| Table 2.f | USARAK Convoy Control Measures | 2-21 |
| Table 2.g | Munitions and Weapons to Be Used at the CACTF | 2-26 |
| Table 2.h | Vehicle Composition of Battalions Utilizing the CACTF | 2-28 |
| Table 2.i | Summary of Viability Analysis Based on Screening Criteria | 2-38 |
| Table 2.j | Description of Eddy Drop Zone Activity Areas. | 2-42 |
| Table 2.k | Description of Donnelly Drop Zone Activity Areas | 2-44 |
| Table 2.l | Description of North Texas Range Activity Areas. | 2-46 |
| Table 2.m | Description of North Texas Range and Eddy Drop Zone Combination Activity Areas | 2-48 |
| Table 2.n | Standard Actions and Outputs at the BAX and CACTF | 2-51 |
| Table 2.o | Specific Actions and Outputs at the BAX and CACTF | 2-52 |
| Table 2.p | Comparison of Action Alternatives and Environmental Consequences | 2-53 |
| Table 2.q | Summary of Environmental Consequences under the No Action Alternative | 2-59 |
| Table 3.1.1.a | Primary Issues of Concern. | 3-1 |
| Table 3.1.1.b | Secondary Issues of Concern. | 3-2 |
| Table 3.2.1.a | Description of Primary Soil Associations by Alternative | 3-5 |
| Table 3.2.2.a | Expected Flood Discharge for Delta River, Jarvis Creek and Ober Creek. . . | 3-11 |
| Table 3.2.2.b | 100-Year Floodplains at DTA East. | 3-15 |
| Table 3.2.3.a | USARAK Fire Index Rating Categories | 3-21 |
| Table 3.2.3.b | Fire Index Ratings at DTA from 1995 to 2005 | 3-23 |
| Table 3.2.3.c | Canadian Forest Service Fuel Types Used for USARAK Fuel Maps | 3-24 |
| Table 3.2.3.d | History of All Fires That Have Occurred on DTA East. | 3-28 |
| Table 3.2.3.e | Description of Jarvis North Fire Mitigation Project | 3-32 |
| Table 3.2.4.a | Noise Limits and Zones for Land Use Planning | 3-37 |
| Table 3.2.4.b | Impulse Noise Guidelines | 3-38 |
| Table 3.2.4.c | Expected Noise Levels From Firing Inert 105mm Tank Rounds. | 3-39 |
| Table 3.2.4.d | Noise Levels of Common Army Vehicles | 3-40 |
| Table 3.2.4.e | Maximum Noise Levels of Aircraft. | 3-41 |
| Table 3.2.4.f | Percentage of Population Highly Annoyed from Aircraft Noise. | 3-41 |
| Table 3.2.6.a | Timing Guidelines for Vegetation Clearing to Comply with Migratory Bird Treaty Act | 3-52 |
| Table 3.2.6.b | USARAK Special Interest Management Area Categories and Restrictions | 3-54 |
| Table 3.2.6.c | List of Priority Wildlife Species and Rationale for Selection | 3-55 |
| Table 3.2.6.d | Acres of Preferred Habitat for Priority Wildlife Species by Alternative at DTA East | 3-57 |

| | | |
|----------------------|---|-------|
| Table 3.2.7.a | Summary of Interior Alaskan Prehistory | 3-65 |
| Table 3.2.7.b | Historical Themes of Interior Alaska | 3-66 |
| Table 3.2.7.c | Archaeological Survey of DTA East | 3-70 |
| Table 3.3.4.a | Rare Plants at DTA Tracked by the Alaska Natural Heritage Program | 3-94 |
| Table 3.3.4.b | AKNHP-listed Plant Species by Alternative | 3-95 |
| Table 3.3.4.c | Selected Invasive Plant Species in Alaska | 3-97 |
| Table 3.3.5.a | Habitat and Management Concerns for Wildlife Species of Concern and Sensitive Species Found on DTA. | 3-100 |
| Table 3.3.5.b | Acres of Preferred Habitat for Priority Species within DTA East. | 3-101 |
| Table 3.3.6.a | Delta Junction Population Profile for 2000 | 3-103 |
| Table 3.3.6.b | Delta Junction Region Income and Poverty Statistics for 1999 | 3-104 |
| Table 3.3.6.c | Southeast Fairbanks Region Average Monthly Employment and Earnings Statistics for Year 2004 | 3-104 |
| Table 3.3.9.a | Minority and Low-Income Percentages for Southeast Fairbanks Census Area Communities | 3-122 |
| Table 4.1.1.a | Primary Issues of Concern. | 4-1 |
| Table 4.1.1.b | Secondary Issues of Concern. | 4-2 |
| Table 4.2.1.a | Quantitative Summary of Impacts to Soil Resources | 4-5 |
| Table 4.2.1.b | Summary of Environmental Consequences to Soil Resources | 4-5 |
| Table 4.2.2.a | Quantitative Summary of Impacts to Surface Water Resources | 4-18 |
| Table 4.2.2.b | Summary of Environmental Consequences to Surface Water Resources | 4-19 |
| Table 4.2.3.a | Quantitative Summary of Impacts to Fire Management | 4-33 |
| Table 4.2.3.b | Quantitative Summary of Impacts to Fire Management under Canadian Forest Service Fuel Type Designations | 4-34 |
| Table 4.2.3.c | Summary of Environmental Consequences to Fire Management | 4-35 |
| Table 4.2.3.d | Existing Fire Hazard Range Restrictions at USARAK (as listed in USARAK Range Regulation 350-2, June 2002) | 4-37 |
| Table 4.2.4.a | Comparison of Noise Levels (dBA) of the Stryker Compared with Other Common Army Vehicles. | 4-49 |
| Table 4.2.4.b | Maximum Noise Level for C-130 Aircraft | 4-49 |
| Table 4.2.4.c | Comparison of Noise Levels of the UAV Compared with Other Common Noise Sources | 4-50 |
| Table 4.2.4.d | Quantitative Summary of Impacts from Noise | 4-51 |
| Table 4.2.4.e | Summary of Environmental Consequences from Noise | 4-51 |
| Table 4.2.4.f | Noise Zone Criteria and Population Highly Annoyed. | 4-55 |
| Table 4.2.4.g | Noise Zones for Land Uses in the Vicinity of DTA East. | 4-55 |
| Table 4.2.5.a | Summary of Environmental Consequences to Human Health and Safety | 4-62 |
| Table 4.2.6.a | Acres of Quality Habitat Affected, by Ecosystem Management Priority Mammal Species and Alternative, at DTA. | 4-72 |
| Table 4.2.6.b | Acres of Quality Habitat Affected, by Ecosystem Management Priority Bird Species and Alternative, at DTA | 4-73 |
| Table 4.2.6.c | Acres of Quality Habitat Affected, by Ecosystem Management Priority Fisheries and Alternative, at DTA | 4-74 |
| Table 4.2.6.d | Summary of Environmental Consequences to Ecosystem Management Priority Mammal Species at DTA | 4-74 |
| Table 4.2.6.e | Summary of Environmental Consequences to Ecosystem Management Priority Bird Species at DTA | 4-76 |
| Table 4.2.6.f | Summary of Environmental Consequences to Ecosystem Management Priority Amphibians and Fisheries at DTA | 4-78 |

| | | |
|-----------------------|---|-------|
| Table 4.2.7.a | Quantitative Summary of Impacts to Cultural Resources | 4-99 |
| Table 4.2.7.b | Summary of Environmental Consequences to Cultural Resources | 4-100 |
| Table 4.2.8.a | Quantitative Summary of Impacts to Airspace | 4-109 |
| Table 4.2.8.b | Summary of Environmental Consequences to Airspace | 4-110 |
| Table 4.2.8.c | Small Arms Range Safety Area Utilization Parameters. | 4-112 |
| Table 4.3.1.a | Summary of Environmental Consequences to Air Quality | 4-120 |
| Table 4.3.1.b | Summary of Emissions from Existing and New Sources (tons/yr) | 4-122 |
| Table 4.3.1.c | Summary of Construction Emissions Associated with the BAX and CACTF (tons/yr) | 4-123 |
| Table 4.3.1.d | Summary of Emissions from Portable Sources (tons/yr) | 4-123 |
| Table 4.3.1.e | Summary of Emissions Associated with Training Activities at the BAX and CACTF within the Eddy Drop Zone Study Area (tons/yr) | 4-127 |
| Table 4.3.1.f | Summary of Modeled Concentrations Associated with Training Activities within the Eddy Drop Zone Study Area ($\mu\text{g}/\text{m}^3$). | 4-127 |
| Table 4.3.1.g | Summary of Emissions Associated with Training Activities at the BAX and CACTF within the Donnelly Drop Zone Study Area (tons/yr). | 4-128 |
| Table 4.3.1.h | Summary of Modeled Concentrations Associated with Training Activities at the BAX and CACTF within the Donnelly Drop Zone Study Area ($\mu\text{g}/\text{m}^3$). | 4-129 |
| Table 4.3.1.i | Summary of Emissions Associated with Training Activities at the BAX and CACTF within the North Texas Range Study Area (tons/yr) | 4-129 |
| Table 4.3.1.j | Summary of Modeled Concentrations Associated with Training Activities at the BAX and CACTF within the North Texas Range Study Area ($\mu\text{g}/\text{m}^3$). | 4-130 |
| Table 4.3.2.a | Summary of Environmental Consequences to Groundwater. | 4-131 |
| Table 4.3.3.a | Quantitative Summary of Impacts to Wetlands | 4-138 |
| Table 4.3.3.b | Total Fill in Wetlands for BAX and CACTF By Alternative. | 4-139 |
| Table 4.3.3.c | Summary of Environmental Consequences to Wetlands | 4-140 |
| Table 4.3.4.a | Summary of Environmental Consequences to Vegetation. | 4-152 |
| Table 4.3.4.b | Quantitative Summary of Impacts to Vegetation | 4-153 |
| Table 4.3.5.a | Summary of Environmental Consequences to Plant Species of Concern . . . | 4-163 |
| Table 4.3.5.b | Quantitative Summary of Impacts to Wildlife Species of Concern. | 4-164 |
| Table 4.3.5.c | Summary of Environmental Consequences for Threatened or Endangered Species and Species of Concern – Wildlife | 4-165 |
| Table 4.3.6.a | Summary of Consequences to Socioeconomics | 4-169 |
| Table 4.3.7.a | Summary of Environmental Consequences to Subsistence. | 4-176 |
| Table 4.3.8.a | Quantitative Summary of Impacts to Recreation. | 4-182 |
| Table 4.3.8.b | Quantitative Summary of Impacts to Public Access | 4-183 |
| Table 4.3.8.c | Summary of Environmental Consequences to Public Access and Recreation | 4-184 |
| Table 4.3.9.a | Summary of Environmental Consequences to Environmental Justice | 4-196 |
| Table 4.3.10.a | Summary of Environmental Consequences under the No Action Alternative | 4-201 |
| Table 4.3.10.b | Comparison of Action Alternatives and Environmental Consequences (not including Cumulative Effects) | 4-204 |
| Table 4.3.10.c | Summary of Past, Present, and Future Projects and Activities on DTA and Nearby Lands | 4-211 |
| Table 4.3.10.d | Description of 11-Step Process Used for Cumulative Effects Analysis | 4-213 |
| Table 4.3.10.e | Level of Cumulative Effects Analysis for Each Resource. | 4-214 |

ACRONYM LIST

| | |
|--------|--|
| AAC | Alaska Administrative Code |
| AAR | After Action Review |
| ABCT | Airborne Brigade Combat Team |
| ADEC | Alaska Department of Environmental Conservation |
| ADF&G | Alaska Department of Fish and Game |
| ADNL | A-Weighted Day-Night Average Sound Level |
| AFB | Air Force Base |
| AFS | Alaska Fire Service |
| AGL | Above Ground Level |
| AKDOT | Alaska Department of Transportation |
| AKNHP | Alaska Natural Heritage Program |
| ANILCA | Alaska National Interest Lands Conservation Act |
| AR | Army Regulation |
| ATCT | Air Traffic Control Tower |
| BACT | Best Available Control Technology |
| BAX | Battle Area Complex |
| BCR | Bird Conservation Regions |
| BLM | Bureau of Land Management |
| BMP | Best Management Practice |
| BP | Before Present |
| BRAC | Base Realignment and Closure |
| CAA | Clean Air Act |
| CACTF | Combined Arms Collective Training Facility |
| CDNL | C-Weighted Day-Night Average Sound Level |
| CEA | Cumulative Effects Analysis |
| CEMML | Center for Environmental Management of Military Lands |
| CERCLA | Comprehensive Environmental Restoration, Compensation, and Liability Act |
| CEQ | Council on Environmental Quality |
| CFA | Controlled Firing Areas |
| CFFDRS | Canadian Forest Fire Danger Rating System |
| CFR | Code of Federal Regulations |
| cfs | cubic feet per second |
| CRTC | Cold Regions Test Center |

| | |
|---------|--|
| CWA | Clean Water Act |
| DA | Department of the Army |
| dB | Decibels |
| dBp | Peak Decibel Level |
| DJMA | Delta Junction Management Area |
| DNL | Day-Night Average Sound Level |
| DNT | Dinitrotoluene |
| DOD | Department of Defense |
| DOE | Determinations of Eligibility |
| DTA | Donnelly Training Area |
| EA | Environmental Assessment |
| EIS | Environmental Impact Statement |
| EO | Executive Order |
| EPA | Environmental Protection Agency |
| F | Fahrenheit |
| FAA | Federal Aviation Administration |
| FARP | Forward Arming and Refueling Point |
| FFMC | Fine Fuel Moisture Code |
| FICUN | Federal Interagency Committee on Urban Noise |
| FM | Field Manual |
| FNSI | Finding of No Significant Impact |
| FRA | Fort Richardson |
| FWA | Fort Wainwright |
| FWI | Fire Weather Index |
| ft | Feet |
| GIS | Geographic Information System |
| GMU | Game Management Unit |
| HEC-RAS | U.S. Army Corps of Engineers River Analysis System |
| HMMWV | High Mobility Multipurpose Wheeled Vehicle |
| HUT | Human Urban Target |
| Hz | Hertz |
| IFR | Instrument Flight Rules |
| INRMP | Integrated Natural Resources Management Plan |
| ITAM | Integrated Training Area Management |
| Kw | Kilowatt |
| LIDAR | Light Detection Ranging |

| | |
|--------|--|
| LRAM | Land Rehabilitation and Maintenance |
| MBTA | Migratory Bird Treaty Act |
| METL | Mission Essential Task List |
| MFE | Major Flying Exercise |
| MHz | Megahertz |
| MIDAS | Missile Defense Alarm System |
| MILES | Multiple Integrated Laser Engagement Systems |
| mph | miles per hour |
| MOA | Military Operations Area |
| MOU | Memorandum of Understanding |
| MOUT | Military Operations on Urban Terrain |
| MTV | Medium-Weight Tactical Vehicle |
| NAAQS | National Ambient Air Quality Standards |
| NAGPRA | Native American Graves Protection and Repatriation Act |
| NEPA | National Environmental Policy Act |
| NG | Nitroglycerine |
| NHPA | National Historic Preservation Act |
| NOA | Notice of Availability |
| NOE | Nap-of-the-Earth |
| NOI | Notice of Intent |
| NOTAM | Notice to Airmen |
| NOV | Notice of Violation |
| NRCS | Natural Resource Conservation Service |
| NRHP | National Register of Historic Places |
| NWI | National Wetlands Inventory |
| NZ | Noise Zone |
| ORRV | Off-Road Recreational Vehicles |
| PAM | Pamphlet |
| PCB | Polychlorinated Biphenyls |
| PDO | Property Damage Only |
| PM | Particulate Matter |
| POL | Petroleum, Oil, and Lubricant |
| PSD | Prevention of Significant Deterioration |
| RAP | Recreational Access Permit |
| RDP | Range Development Plan |
| RDX | Hexahydro-Trinitro-Triazine |

| | |
|----------|--|
| RFMSS | Range Facility Maintenance Support System |
| ROD | Record of Decision |
| ROI | Region of Influence |
| RTLA | Range and Training Land Assessment |
| RTLTP | Range and Training Land Program |
| SARNAM | Small Arms Range Noise Assessment Model |
| SARSA | Small Arms Range Safety Areas |
| SAT | Stationary Armored Target |
| SBCT | Stryker Brigade Combat Team |
| SHPO | State Historic Preservation Officer |
| SIT | Stationary Infantry Target |
| SMDC | Space and Missile Defense Command |
| SPCC | Spill Prevention Control and Countermeasures |
| SRTA | Short Range Training Ammunition |
| STRAC | Standards in Training Commission |
| SUAIS | Special Use Airspace Information Service |
| SUSV | Small Unit Support Vehicle |
| SWCD | Soil and Water Conservation District |
| TA | Training Area |
| TC | Training Circular |
| TCP | Traditional Cultural Properties |
| TNT | 2,4,6-Trinitrotoluene |
| TOW | Tube Launched, Optically Tracked, Wire Guided |
| UAF | University of Alaska, Fairbanks |
| UAV | Unmanned Aerial Vehicle |
| USACE | U.S. Army Corps of Engineers |
| USAEC | U.S. Army Environmental Center |
| USAF | U.S. Air Force |
| USAG-AK | U.S. Army Garrison Alaska |
| USARAK | U.S. Army Alaska |
| USARTRAK | U.S. Army Garrison Alaska Recreation Tracking System |
| USC | U.S. Code |
| USDA | U.S. Department of Agriculture |
| USFS | U.S. Forest Service |
| USFWS | U.S. Fish and Wildlife Service |
| UXO | Unexploded Ordnance |

| | |
|-----|---------------------------|
| VFR | Visual Flight Rules |
| VMT | Vehicle Miles Traveled |
| VOC | Volatile Organic Compound |
| YTA | Yukon Training Area |