

ACRONYMS/ABBREVIATIONS LIST

A-A	Air-to-Air	BAMS	Broad Area Maritime Surveillance
A-G	Air-to-Ground	BCC	Birds of Conservation Concern
A-S	Air-to-Surface	BDA	Battle-Damage Assessment
AAC	Alaska Administrative Code	BDU	Bomb Dummy Unit
AAMEX	Air-to-Air Missile Exercise	BE	Biological Evaluation
AAW	Anti-Air Warfare	BFM	Basic Fighter Maneuvering
ABR	auditory brainstem response	BMDS	Ballistic Mission Defense System
AC	Alaska Current	BMP	Best Management Practice
ACC	Alaska Coastal Current	BO	Biological Opinion
ACHP	Advisory Council on Historic Preservation	BOMBEX	Bombing Exercise
ACM	Air Combat Maneuver(ing)	BRAC	Base Realignment and Closure
ACMP	Alaska Coastal Management Plan	BT	Bathythermograph
ADAR	Air Deployed Active Receiver	°C	degrees Celsius
ADCAP	Advanced Capability	C4	Command, Control, Communications, & Computers
ADCs	Acoustic Device Countermeasures	C4I	Command, Control, Communications, Computers & Intelligence
ADD	Acoustic Deterrent Devices	CAA	Clean Air Act
ADEC	Alaska Department of Environmental Conservation	cal	caliber
ADEX	Air Defense Exercise	CASS	Comprehensive Acoustic Simulation System
ADF&G	Alaska Department of Fish and Game	CEO	Chief Executive Officer
ADH	Acoustic Harassment Devices	CEQ	Counsel on Environmental Quality
ADLFP	Air Deployable Low Frequency Projector	CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
ADNR	Alaska Department of Natural Resources	CETAP	Cetacean and Turtle Assessment Program
AEER	Advanced Extended Echo Range	CFMETR	Canadian Forces Maritime Experimental and Test Ranges
AESA	Airborne Electronically Scanned Array	C.F.R.	Code of Federal Regulations
AESO	Aircraft Environmental Support Office	CG	Guided Missile Cruiser
AFAST	Atlantic Fleet Active Sonar Training	CHAFFEX	Chaff Exercise
AFB	Air Force Base	CH ₄	methane
AGL	above ground level	chl a	chlorophyll a
AICUZ	Air Installation Compatibility Use Zone	CIWS	Close-in-Weapon System
AKR	Alaska Region	cm	centimeters
AMHS	Alaska Marine Highway System	CMP	Coastal Management Plan
ALCOM	Alaskan Command	CNO	Chief of Naval Operations
ALTRV	Altitude Reservation	CO	Commanding Officer
AMCC	Alaska Marine Conservation Council	CO	carbon monoxide
AMHS	Alaska Marine Highway System	CO ₂	carbon dioxide
AMRAAM	Advanced Medium-Range Air-to-Air Missile	COMPACFLT	Commander, U.S. Pacific Fleet
AMSP	Advanced Multi-static Processing Program	COMPTUEX	Composite Training Unit Exercise
AMW	Amphibious Warfare	COMSUBPAC	Commander, Submarine Force U.S. Pacific Fleet
ANCSA	Alaska Native Claims Settlement Act	COSEWIC	Committee on the Status of Endangered Wildlife in Canada
ANILCA	Alaska National Interest Lands Conservation Act	CPF	Commander, U.S. Pacific Fleet
AO	Arctic Oscillation	GRAB	Gaussian Ray Bundle
APE	Area of Potential Effect	CSAR	Combat Search and Rescue
ARG	Amphibious Ready Group	CSG	Carrier Strike Group
ARPA	Archaeological Resources Protection Act	CV	Coefficient of Variation
ARS	Advance Ranging Source	CWA	Clean Water Act
ARTCC	Air Route Traffic Control Center	CZ	Coastal Zone
AS	Alaskan Stream	CZMA	Coastal Zone Management Act
ASG	Alaska Sea Grant	dB	decibel
ASHPA	Alaska Seamount Habitat Protection Area	dba	A-weighted decibel
ASTM	American Society for Testing and Materials	DDG	Guided Missile Destroyer
ASUW	Anti-Surface Warfare	DDT	Dichloro-Diphenyl-Trichloroethane
ASW	Anti-Submarine Warfare	DEIS	Draft Environmental Impact Statement
ATA	Alaska Training Area	DHS	Department of Homeland Security
ATC	Air Traffic Control	DICASS	Directional Command Activated Sonobuoy
ATCAA	Air Traffic Control Assigned Airspace		
ATSDR	Agency for Toxic Substances and Disease Registry		
atm	atmospheres		
BA	Biological Assessment		

	System	ft	feet
DIFAR	Directional Frequency Analysis and Recording	ft ²	square feet
DLCD	Department of Land Conservation and Development	ft ³	cubic feet
DLQ	Deck Landing Qualification	ft/sec	feet per second
DMV	Department of Motor Vehicles	FTCA	Federal Tort Claims Act
DNL	Day-Night Average Sound Level	FY	Fiscal Year
DNR	Department of Natural Resources	g	gram
DNT	dinitrotoluene	GAO	U.S. General Accounting Office
DoD	Department of Defense	GHG	greenhouse gases
DoDD	Department of Defense Directive	GOA	Gulf of Alaska
DoDINST	Department of Defense Instruction	GOACHPA	Gulf of Alaska Coral Habitat Protection Area
DoN	Department of Navy		
DOPAA	Description of Proposed Action and Alternatives	GOASHCA	Gulf of Alaska Slope Habitat Conservation Area
DOT	Department of Transportation	GUNEX	Gunnery Exercise
DPS	Distinct Population Segments	GWP	Global Warming Potential
DSCA	Defense Support of Civilian Authorities	H ₂	hydrogen
DTR	Detonation Training Range	HAPs	hazardous air pollutants
DU	depleted uranium	HAPCs	Habitat Areas of Particular Concern
DVD	Digital Versatile Disk	HARM	High-speed Anti-radiation Missile
DZ	Drop Zone	HARPS	High Frequency Acoustic Recording Packages
EA	Environmental Assessment	HC	Hydrocarbons
EA	Electronic Attack	HCA	habitat conservation area
EC	Electronic Combat	HE	High Explosive
EDMS	Emission and Dispersion Modeling System	HELO	Helicopter
EER	Extended Echo Ranging	HFA	High Frequency Active
EEZ	Exclusive Economic Zone	HLX	cyclo-1,3,5-tetramethylene-2,4,6-tetranitramine
EFD	Energy Flux Density	HMX	High Melting Explosive
EFH	Essential Fish Habitat		(cyclotetramethylene tetranitramine)
EIS	Environmental Impact Statement	HLD	Homeland Defense
EL	Energy Flux Density Level	H ₂ O	water
EMATT	Expendable Mobile Anti-Submarine Warfare Training Target	HPA	habitat protection area
EMR	Electromagnetic Radiation	hr	hour
ENP	Eastern North Pacific	HRC	Hawaii Range Complex
EO	Executive Order	HSMSTs	High Speed Maneuverable Surface Targets
EOD	Explosive Ordnance Disposal	H _x F _x	hydrogen fluoride compounds
EPA	Environmental Protection Agency	Hz	hertz
ES	Executive Summary	ICAP	Improved Capability
ES	Electronic Support	ICES	International Council for Exploration of the Sea
ESA	Endangered Species Act	ICMP	Integrated Comprehensive Monitoring Program
ESG	Expeditionary Strike Group	ICRMP	Integrated Cultural Resources Management Plan
ESU	Evolutionary Significant Unit	IED	Improvised Explosive Device
EW	Electronic Warfare	IEER	Improved Extended Echo Ranging
°F	degrees Fahrenheit	IFH	improved flexible Hose
FAA	Federal Aviation Administration	IFQ	Individual Fishing Quota
FACSFAC	Fleet Area Control and Surveillance Facility	IFR	Instrument Flight Rules
FAD	fish aggregating devices	IMC	Instrument Meteorological Conditions
FAO	Food and Agriculture Organization	in	inch(es)
FDNF	Forward Deployed Naval Forces	INRMP	Integrated Natural Resources Management Plan
FEIS	Final Environmental Impact Statement	IOC	Initial Operational Capability
FFG	Fast Frigate	IP	Implementation Plan
FGG	Guided Missile Frigate	IPCC	Intergovernmental Panel for Climate Change
FICON	Federal Interagency Committee on Noise	IPHC	International Pacific Halibut Commission
FL	Flight Level	ISE	Investigative Science and Engineering
FMC	Fishery Management Council	ISR	Intelligence, Surveillance, and Reconnaissance
FMP	Fishery Management Plan	IUCN	International Union for Conservation of Nature and Natural Resources
FNSB	Fairbanks North Star Borough	IWC	International Whaling Commission
FONSI	Finding of No Significant Impact	JATO	Jet Assisted Take-Off
FR	Federal Register	JTF	Joint Task Force
FRTP	Fleet Readiness Training Plan	JTFEX	Joint Task Force Exercise
		JOOD	Junior Officer of the Deck

kg		kilogram(s)	μm	micron (micrometer)
kg/cm ²		kilogram per square centimeter	μPa	micropascal
kg/m ²		kilogram per square meter	μPa-m	micropascal at 1 meter
kHz		kilohertz	μPa @ 1 m	micropascal at 1 meter
KLGO	Klondike Gold Rush National Historic Park		μPa ² -m	micropascal squared at 1 meter
km		kilometer	μPa ² -s	micropascal squared in 1 second
km ²		square kilometer	μPa ² -sec	micropascal squared in one second
kts		knots	μs	microsecond
L		liter	MTR	Military Training Route
LATN	Low-Altitude Tactical Navigation		N	north
lb		pound(s)	N ₂	nitrogen
LCS	Littoral Combat Ship		N ₂ O	nitrous oxide
LFA	Low Frequency Active		NAAQS	National Ambient Air Quality Standards
LME	Large Marine Ecosystem		NAGPRA	Native American Graves Protection and Repatriation Act
LMRS	Long-term Mine Reconnaissance System		NAS	Naval Air Station
LOA	Letter of Authorization		NATO	North Atlantic Treaty Organization
LOP	Letter of Procedure		NAVEDTRA	Naval Education and Training Command
LZ	Landing Zone		NAVFAC	Naval Facilities Engineering Command
m		meter	NAVFAC NW	Naval Facilities Engineering Command Northwest
m ²		square meter	NAVFAC PAC	Naval Facilities Engineering Command Pacific
m ³		cubic meter	NAVINST	Naval Instruction
m/sec		meters per second	NAVSEA	Naval Sea Systems Command
MAA	Maritime Activities Area		NAVSEAINST	Naval Sea Systems Command Instruction
MACA	Military Assistance to Civil Authorities		NCA	National Command Authority
MARPOL	International Convention for the Prevention of Pollution from Ships		NEPA	National Environmental Policy Act
MBTA	Migratory Bird Treaty Act		NEW	Net Explosive Weight
MCBI	Marine Conservation Biology Institute		NFEA	National Fishery Enhancement Act
MCM	Mine Countermeasures		NH ₃	ammonia
METOC	Meteorological and Oceanographic Operations		NHPA	National Historic Preservation Act
MEU	Marine Expeditionary Unit		nm	nautical miles
MFA	Mid-Frequency Active		nm ²	square nautical miles
mg		milligrams	NMFS	National Marine Fisheries Service
MI	Maritime Interdiction		NMFS-OPR	National Marine Fisheries Service-Office of Protective Resources
mi		mile(s)	NMS	National Marine Sanctuary
mi ²		square miles	NMSA	National Marine Sanctuaries Act
min		minute	NO ₂	nitrogen dioxide
MI	Maritime Interdiction		NOA	Notice of Availability
MIO	Maritime Interdiction Operations		NOAA	National Oceanic and Atmospheric Administration
MISSILEX	Missile Exercise		NOI	Notice of Intent
MIW	Mine Warfare		NORAD	North American Aerospace Defense Command
mL		milliliter	NORTHCOM	U.S. Northern Command
mm		millimeters	NOTAM	Notice to Airmen
MMA	Marine Management Areas		NOTMAR	Notice to Mariners
MMA	Multimission Maritime Aircraft		NOx	nitrogen oxide
MMPA	Marine Mammal Protection Act		NPC	North Pacific Current
MMR	Military Munitions Rule		NPDES	National Pollutant Discharge Elimination System
MOA	Military Operations Area		NPFMC	North Pacific Fishery Management Council
MOU	Memorandum of Understanding		NPS	National Park Service
MPA	Maritime Patrol Aircraft		NRC	National Research Council
MPA	Marine Protected Area		NRHP	National Register of Historic Places
MPPRCA	Marine Plastic Pollution Research and Control Act		NSC	Navy Safety Center
MRA	Marine Resource Assessment		NSCT-1	Naval Special Clearance Team ONE
ms		millisecond	NSW	Naval Special Warfare
MSAT	Marine Species Awareness Training		NSWC	Naval Surface Warfare Center
MSE	Multiple Successive Explosions		NSWG	Naval Special Warfare Group
MSL	Mean Sea Level		N-UCAS	Navy Unmanned Combat Air System
MSFCMA	Magnuson-Stevens Fishery Conservation Management Act		NWR	National Wildlife Refuges
MTR	Military Training Routes			
μg		microgram		

NWTRC	Northwest Training Range Complex	S-A	Surface-to-Air
O ₃	ozone	S-S	Surface-to-Surface
OCE	Officer Conducting the Exercise	SAM	Surface-to-Air Missile
OCM	Oil Content Monitor	SAMEX	Surface to Air Missile Exercise
OCS	Outer Continental Shelf	SBU's	Special Boat Units
OEA	Overseas Environmental Assessment	SCUBA	self-contained underwater breathing apparatus
OEIS	Overseas Environmental Impact Statement	S.D.	Standard Deviation
OLF	Outlying Landing Field	SDVT-1	SEAL Delivery Vehicle Team ONE
OOD	Officer of the Deck	SEAD	Suppression of Enemy Air Defenses
OP	Operational Procedures	SEAL	Sea, Air, Land
OPA	Oil Pollution Act of 1990	sec	second
OPAREA	Operating Area	SFA	Sustainable Fisheries Act
OPNAV	Office of the Chief of Naval Operations	SFH	Strong Flexible Hose
OPNAVINST	Chief of Naval Operations Instruction	SHPO	State Historic Preservation Officer
OTB	Over the Beach	SINKEX	Sinking Exercise
oz	ounce	SIP	State Implementation Plan
PACFIRE	Pre-Action Calibration Firing	SLAM-ER	Standoff Land Attack Missile-Expanded Response
PACFLT	Pacific Fleet	SMA	Shoreline Management Act
PACOM	U.S. Pacific Command	SME	Subject Matter Experts
PAH	polycyclic aromatic hydrocarbons	SNS	Sympathetic Nervous System
Pa*s	Pascal*seconds	SO ₂	sulfur dioxide
Pb	lead	SO _x	sulfur oxides
PBX	Plastic Bonded Explosives	SOCAL	Southern California
PCB	polychlorinated biphenyl	SOF	Special Operations Forces
PCE	Primary Constituent Element	SONAR	Sound Navigation and Ranging
PDO	Pacific Decadal Oscillation	SOP	Standard Operating Procedure
PETN	pentaerythritoltrinitramine	SPL	Sound Pressure Level
PFMC	Pacific Fisheries Management Council	SPLASH	Structure of Populations, Levels of Abundance and Status of Humpback Whales in the North Pacific)
pH	alkalinity	SRA	Source Receptor Areas
PM	particulate matter	SSC	Sea Surface Control
PM2.5	particulate matter up to 2.5 micrometers (microns)	SSG	Surface Strike Group
PM10	particulate matter up to 10 micrometers (microns)	SSGN	Guided Missile Submarines
PMAP	Protective Measures Assessment Protocol	SSN	Fast Attack Submarine
PMAR	Navy Primary Mission Area	SSTs	sea surface temperatures
POPs	Persistent Organic Pollutants	STW	Strike Warfare
ppb	parts per billion	SUA	Special Use Airspace
ppm	parts per million	SURTASS	Surveillance Towed Array Sensor System
ppt	parts per thousand	SUS	Signal, Underwater Sound
PR	Personnel Recovery	SUW	Surface Warfare
psi	pounds per square inch	TALD	Tactical Air Launched Decoy
PSC	Pacific Salmon Commission	TAP	Tactical Training Theater Assessment Planning
PST	Pacific Salmon Treaty	TDU	Target Drone Unit
psu	practical salinity units	TMAA	Temporary Maritime Activities Area
PTS	Permanent Threshold Shift	TMDL	Total Maximum Daily Load
PUTR	Portable Undersea Tracking Range	TNT	trinitrotoluene
PVC	Polyvinyl Chloride	TPY	tons per year
R-	Restricted Area	TRACKEX	Tracking Exercise
RA	Restricted Area	TS	Threshold Shift
RAM	Rolling Airframe Missile	TSCA	Toxic Substances Control Act
RCD	Required Capabilities Document	TTS	Temporary Threshold Shift
RCRA	Resource Conservation and Recovery Act	TM	Tympanic Membrane
RDT&E	Research, Development, Test and Evaluation	UAS	Unmanned Aerial System
RDX	Royal Demolition Explosive (cyclotrimethylene trinitramine)	UAV	Unmanned Aerial Vehicle
RF	Radio Frequency	ULT	Unit Level Training
RHA	Rivers and Harbors Act	UME	Unusual Mortality Event
RL	Received level	UNDS	Uniform National Discharge Standards
rms	root mean square	U.S.	United States
ROD	Record of Decision	USACE	U.S. Army Corps of Engineers
ROG	reactive organic gases	USAF	U.S. Air Force
ROI	Region of Influence	U.S.C.	United States Code
RSO	Range Safety Officer		

USCG	United States Coast Guard
USDOJ	U.S. Department of the Interior
USEPA	U.S. Environmental Protection Agency
USFF	United States Fleet Forces
USFWS	United States Fish and Wildlife Service
USJFCOM	United States Joint Forces Command
USW	Undersea Warfare
UUV	Unmanned Underwater Vehicle
UXO	Unexploded Ordnance
VBSS	Visit Board Search and Seizure
VFR	Visual Flight Rules
VLAD	Vertical Line Array Directional Frequency Analysis and Recording
VOI	Vessel of Interest
VMC	Visual Meteorological Conditions
VTNF	Variable, Timed, Non-Fragmentation
VTS	Vessel Traffic Service
VTUAS	Vertical Takeoff and Landing Unmanned Aerial System
W-	Warning Area
W	west
XO	Executive Officer
yd	yard(s)
yr	year
ZOI	Zone of Influence

This page intentionally left blank.