
Acronyms and Abbreviations

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	Council 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	CSAR	Combat Search and Rescue
APE	Area of Potential Effect	CSG	Carrier Strike Group
ARG	Amphibious Ready Group	CV	Coefficient of Variation
ARPA	Archaeological Resources Protection Act	CWA	Clean Water Act
ARS	Advance Ranging Source	CZ	Coastal Zone
ARTCC	Air Route Traffic Control Center	CZMA	Coastal Zone Management Act
AS	Alaskan Stream	dB	decibel
ASG	Alaska Sea Grant	dBa	A-weighted decibel
ASHPA	Alaska Seamount Habitat Protection Area	DDG	Guided Missile Destroyer
ASTM	American Society for Testing and Materials	DDT	Dichloro-Diphenyl-Trichloroethane
ASUW	Anti-Surface Warfare	DEIS	Draft Environmental Impact Statement
ASW	Anti-Submarine Warfare	DHS	Department of Homeland Security
ATA	Alaska Training Area	DICASS	Directional Command Activated Sonobuoy System
ATC	Air Traffic Control		
ATCAA	Air Traffic Control Assigned Airspace		
ATSDR	Agency for Toxic Substances and Disease Registry		
atm	atmospheres		
BA	Biological Assessment		

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

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

NWR	National Wildlife Refuges	RSO	Range Safety Officer
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		
PACOM	U.S. Pacific Command	SMA	Shoreline Management Act
PAH	polycyclic aromatic hydrocarbons	SME	Subject Matter Experts
Pa*s	Pascal*seconds	SNS	Sympathetic Nervous System
Pb	lead	SO ₂	sulfur dioxide
PBX	Plastic Bonded Explosives	SO _x	sulfur oxides
PCB	polychlorinated biphenyl	SOCAL	Southern California
PCE	Primary Constituent Element	SOF	Special Operations Forces
PDO	Pacific Decadal Oscillation	SONAR	Sound Navigation and Ranging
PETN	pentaerythritoltrinitramine	SOP	Standard Operating Procedure
PFMC	Pacific Fisheries Management Council	SPL	Sound Pressure Level
pH	alkalinity	SPLASH	Structure of Populations, Levels of Abundance and Status of Humpback Whales in the North Pacific)
PM	particulate matter	SRA	Source Receptor Areas
PM2.5	particulate matter up to 2.5 micrometers (microns)	SSC	Sea Surface Control
PM10	particulate matter up to 10 micrometers (microns)	SSG	Surface Strike Group
PMAP	Protective Measures Assessment Protocol	SSGN	Guided Missile Submarines
PMAR	Navy Primary Mission Area	SSN	Fast Attack Submarine
POPs	Persistent Organic Pollutants	SSTs	sea surface temperatures
ppb	parts per billion	STW	Strike Warfare
ppm	parts per million	SUA	Special Use Airspace
ppt	parts per thousand	SURTASS	Surveillance Towed Array Sensor System
PR	Personnel Recovery	SUS	Signal, Underwater Sound
psi	pounds per square inch	SUW	Surface Warfare
PSC	Pacific Salmon Commission	TALD	Tactical Air Launched Decoy
PST	Pacific Salmon Treaty	TAP	Tactical Training Theater Assessment Planning
psu	practical salinity units	TDU	Target Drone Unit
PTS	Permanent Threshold Shift	TMAA	Temporary Maritime Activities Area
PUTR	Portable Undersea Tracking Range	TMDL	Total Maximum Daily Load
PVC	Polyvinyl Chloride	TNT	trinitrotoluene
R-	Restricted Area	TPY	tons per year
RA	Restricted Area	TRACKEX	Tracking Exercise
RAM	Rolling Airframe Missile	TS	Threshold Shift
RCD	Required Capabilities Document	TSCA	Toxic Substances Control Act
RCRA	Resource Conservation and Recovery Act	TTS	Temporary Threshold Shift
RDT&E	Research, Development, Test and Evaluation	TM	Tympanic Membrane
RDX	Royal Demolition Explosive (cyclotrimethylene trinitramine)	UAS	Unmanned Aerial System
RF	Radio Frequency	UAV	Unmanned Aerial Vehicle
RHA	Rivers and Harbors Act	ULT	Unit Level Training
RL	Received level	UME	Unusual Mortality Event
rms	root mean square	UNDS	Uniform National Discharge Standards
ROD	Record of Decision	U.S.	United States
ROG	reactive organic gases	USACE	U.S. Army Corps of Engineers
ROI	Region of Influence	USAF	U.S. Air Force

U.S.C.	United States Code
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

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