

ACRONYMS AND ABBREVIATIONS

AIM	Acoustic Integration Model
APL-UW	Applied Physics Laboratory, University of Washington
ARGO	Argos Global Centre
ARPA	Advanced Research Projects Agency
ATOC	Acoustic Thermometry of Ocean Climate
°C	degrees Celsius
CDF	Cumulative Distribution Function
CDUP	Conservation District Use Permit
CEQ	Council on Environmental Quality
CFR	Code of Federal Regulations
CITES	Convention on International Trade in Endangered Species
cm	centimeters
COE	Corps of Engineers
CORE	Consortium for Oceanographic Research and Education
CZMA	Coastal Zone Management Act
CZMP	Coastal Zone Management Program
dB	Decibel
DBDB	Digital Bathymetric Data Base
deg	degree
DEIS	Draft Environmental Impact Statement
DLNR	Department of Land and Natural Resources of the state of Hawaii
DO	Dissolved Oxygen
DOA	Department of Agriculture
DOC	Department of Commerce
DOH	Department of Health
DOI	Department of the Interior
DOT	Department of Transportation
EEZ	Exclusive Economic Zone
EFH	Essential Fish Habitat
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
ENSO	El Niño Southern Oscillation
EPA	Environmental Protection Agency
ESA	Endangered Species Act
4D	four-dimensional
°F	degrees Fahrenheit
FAD	fish aggregating device
FCMA	Fisheries Conservation and Management Act
FM	Frequency Modulated
fm	fathom

FMP	fishery management plan
ft	feet
GCOS	Global Climate Observing System
GOOS	Global Ocean Observing System
HAPC	habitat areas of particular concern
HAR	Hawaii Administrative Rules
HEPA	Hawaii Environmental Policy Act
HIHWNMS	Hawaiian Island Humpback Whale National Marine Sanctuary
HiTS	Historical Shipping
HORM	Hawaii Ocean Resources Management
HRS	Hawaii Revised Statutes
HURL	Hawaii Undersea Research Laboratory
Hz	Hertz (cycles per second)
in	inches
IPRC	International Pacific Research Center
IWC	International Whaling Commission
KCC	Kauai Community College
kg	kilogram
km	kilometers
km/hr	kilometers per hour
kt	knots (nautical miles per hour)
kw	kilowatts
L	Liters
L _{eq}	Level-equivalent
lbs	pounds
LF	Low Frequency
LFS SRP	Low Frequency Sound Scientific Research Program
LOA	Letter of Authorization
LORAN	Long Range Navigation
m	meters
min	minute
MMRP	Marine Mammal Research Program
μPa	micro Pascal
NEPA	National Environmental Policy Act
nm	nautical miles
NMFS	National Marine Fisheries Service
NMML	National Marine Mammal Laboratory
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent

NPAL	North Pacific Acoustic Laboratory
NSMRL	Naval Submarine Medical Research Laboratory
NWR	National Wildlife Refuge
OAML	Oceanographic and Atmospheric Master Library
OEQC	Office of Environmental Quality Control
OMZ	Oxygen Minimum Zone
ONR	Office of Naval Research
OTTED	Office of Technology Transfer and Economic Development
PDO	Pacific Decadal Oscillation
PE	Parabolic Equation
PEIS	Programmatic Environmental Impact Statement
PMRF	Pacific Missile Range Facility
PMUS	pelagic management unit species
ppt	parts per thousand
PTS	Permanent Threshold Shift
RL	Received Level
rms	root mean squared
ROD	Record of Decision
Scripps	Scripps Institution of Oceanography
SCORP	State Comprehensive Outdoor Recreation Plan
S.E.	Standard Error
SL	Source Level
SMA	Special Management Area
SPE	Single Ping Equivalent
SPL	Sound Pressure Level
SOFAR	SOund Frequency and Ranging
SOSUS	SOund SUrveillance System
SS1	Shore Station 1
SS2	Shore Station 2
SSI	Seafloor Surveys International, Inc.
SST	Sea Surface Temperature
SURTASS LFA	Surveillance Towed Array Sensor System Low Frequency Active
SWFSC	Southwest Fisheries Science Center
SWTR	Shallow Water Training Range
3D	three Dimensional
TL	Transmission Loss
TTS	Temporary Threshold Shift
W	Watt
W/m ²	Watts per square meter

USC
USFWS

United States Code
U.S. Fish and Wildlife Service

XBT

Expendable Bathythermograph