

**ACRONYMS AND ABBREVIATIONS**

|                     |  |                       |                                       |
|---------------------|--|-----------------------|---------------------------------------|
| °C                  | degrees Celsius  |                       | 1 micropascal                         |
| °F                  | degrees Fahrenheit   | DDG                   | Destroyers                            |
| µg/g                | microgram(s) per gram                                      | DDT                   | dichlorodiphenyltrichloroethane       |
| µg/L                | microgram(s) per liter                                     | DEIS                  | Draft Environmental Impact Statement  |
| µPa                 | micropascal(s)   | DNA                   | deoxyribonucleic acid                 |
| µPa <sup>2</sup> -s | micropascal squared second(s)                              | DoD                   | Department of Defense                 |
| A-A                 | Air-to-Air   | DS                    | Doppler Sonar                         |
| AAV                 | Amphibious Assault Vehicle                                 | DVLA                  | Distributed Vertical Line Array       |
| AAW                 | Anti-Air Warfare   | DZ                    | Danger Zone                           |
| ac.                 | acre(s)  | EA                    | Environmental Assessment              |
| ACM                 | Air Combat Maneuver  | EFH                   | Essential Fish Habitat                |
| ADEX                | Air Defense Exercise                                       | EFHA                  | Essential Fish Habitat Assessment     |
| AEP                 | Auditory Evoked Potentials                                 | EIS                   | Environmental Impact Statement        |
| AFI                 | Air Force Instruction                                      | EL                    | Exposure Level                        |
| A-G                 | Air-to-Ground  | EMATT                 | Expendable Mobile ASW Training Target |
| AG                  | Airgun   | EO                    | Executive Order                       |
| AIC                 | Air Intercept Control                                      | EOD                   | Explosive Ordnance Disposal           |
| ALMDS               | Airborne Laser Mine Detection System                       | Eq                    | equivalent                            |
| AMW                 | Amphibious Warfare   | ESA                   | Endangered Species Act                |
| Army                | United States Army   | EW                    | Electronic Warfare                    |
| A-S                 | Air-to-Surface   | EXTORP                | Exercise Torpedo                      |
| AS                  | Submarine Tenders  | FAA                   | Federal Aviation Administration       |
| ASUW                | Anti-Surface Warfare                                       | FDM                   | Farallon de Medinilla                 |
| ASW                 | Anti-Submarine Warfare                                     | FEIS                  | Final Environmental Impact Statement  |
| ATCAA               | Air Traffic Control Assigned Airspace                      | FFG                   | Frigates                              |
| BaCrO <sub>4</sub>  | barium chromate  | FIREX                 | Fire Support Exercise                 |
| BAMS                | Broad Area Maritime Surveillance                           | FL                    | Flight Level                          |
| BO                  | Biological Opinion   | FLAREX                | Flare Exercise                        |
| BOMBEX              | Bombing Exercise   | FR                    | Federal Registrar                     |
| C-4                 | Composition 4  | ft.                   | feet                                  |
| C.F.R.              | Code of Federal Regulations                                | ft./s                 | feet per second                       |
| CG                  | Cruiser  | ft. <sup>2</sup>      | square feet                           |
| CH <sub>4</sub>     | methane  | FY                    | Fiscal Year                           |
| CHAFFEX             | Chaff Exercise   | g                     | gram(s)                               |
| CITES               | Convention on International Trade in<br>Endangered Species | G                     | gauss                                 |
| cm                  | centimeter(s)  | g(0)                  | detection probability                 |
| CNMI                | Commonwealth of the Northern Mariana<br>Islands            | GCA                   | Guam Code Annotated                   |
| CO                  | carbon monoxide  | GHZ                   | gigahertz                             |
| CO <sub>2</sub>     | carbon dioxide   | GI                    | gastrointestinal                      |
| COMNAVMAR           | Commander, U.S. Naval Forces<br>Marianas                   | GUNEX                 | Gunnery Exercise                      |
| CRRC                | Combat Rubber Raiding Craft                                | ha                    | hectare(s)                            |
| CSAR                | Combat Search and Rescue                                   | HARP                  | High Frequency Recording Package      |
| CV                  | coefficient of variation                                   | HC                    | hydrocarbons                          |
| CVN                 | Aircraft Carrier   | Helo                  | helicopter                            |
| dB                  | decibel(s)   | Hg (CNO) <sub>2</sub> | Fulminate of Mercury                  |
| dba                 | A-weighted decibel(s)                                      | HMX                   | High Melting Point Explosive          |
| dB re 1 µPa         | decibels referenced to                                     | Hz                    | Hertz                                 |
|                     |  | IEER                  | Improved Extended Echo Ranging        |
|                     |  | in.                   | inch(es)                              |
|                     |  | IR                    | infrared                              |

|                  |   |                                  |  |
|------------------|---|----------------------------------|--|
| ISR              | Intelligence, Surveillance, Reconnaissance      | NOTAM                            | Notice to Airmen   |
| ISTT             | Improved Surface Tow Target                     | NOTMAR                           | Notice to Mariners                                       |
| kg               | kilogram(s)                                     | NSW                              | Naval Special Warfare                                    |
| kHz              | kilohertz                                       | NTU                              | Nephelometric Turbidity Units                            |
| km               | kilometer(s)                                    | nV                               | nanovolt(s)  |
| km <sup>2</sup>  | square kilometer(s)                             | O <sub>3</sub>                   | ozone  |
| km <sup>3</sup>  | cubic kilometer(s)                              | OASIS                            | Organic Airborne and Surface Influence Sweep             |
| kPa              | kilopascal(s)                                   | OBIS                             | Ocean Biographic Information System                      |
| kV               | kilovolt(s)                                     | OEA                              | Overseas Environmental Assessment                        |
| lb.              | pound(s)  | OEIS                             | Overseas Environmental Impact Statement                  |
| LCM              | Landing Craft Mechanized                        | Ops                              | Operations   |
| LCS              | Littoral Combat Ship                            | oz.                              | ounce(s)   |
| LCU              | Landing Craft, Utility                          | P                                | Pingers  |
| LHA/LHD          | Amphibious Assault Ships                        | Pa                               | Pascal(s)  |
| LPD              | Amphibious Transport Dock                       | Pa-s                             | Pascal-seconds   |
| LSD              | Dock Landing Ship                               | PACOM                            | Pacific Command  |
| m                | meter(s)  | Pb(N <sub>3</sub> ) <sub>2</sub> | lead azide   |
| M                | Acoustic Modems                                 | PbO                              | lead (II) oxide  |
| m/s              | meter(s) per second                             | PC                               | Patrol Coastal Ships                                     |
| m <sup>2</sup>   | square meter(s)                                 | PCB                              | polychlorinated biphenyl                                 |
| MBTA             | Migratory Bird Treaty Act                       | PM                               | particulate matter                                       |
| MCM              | Mine Countermeasure(s)                          | ppb                              | parts per billion  |
| mg/L             | milligram(s) per liter                          | ppm                              | parts per minute   |
| mi.              | mile(s)   | ppt                              | parts per thousand                                       |
| mi. <sup>2</sup> | square mile(s)                                  | psi                              | pounds per square inch                                   |
| mi. <sup>3</sup> | cubic mile(s)                                   | PTS                              | Permanent Threshold Shift                                |
| MIRC             | Mariana Islands Range Complex                   | R                                | Restricted Area  |
| MISSILEX         | Missile Exercise                                | RDX                              | Royal Demolition Explosive                               |
| MISTCS           | Mariana Islands Sea Turtle and Cetacean Survey  | REXTORP                          | Recoverable Exercise Torpedo                             |
| MITT             | Mariana Islands Training and Testing            | RHIB                             | Rigid Hull Inflatable Boat                               |
| MIW              | Mine Warfare                                    | RL                               | Received Level   |
| ml/L             | milliliter(s) per liter                         | rms                              | root mean square   |
| mm               | millimeter(s)                                   | RMS                              | Remote Minehunting System                                |
| MMPA             | Marine Mammal Protection Act                    | ROG                              | Reactive Organic Gases                                   |
| MPA              | Maritime Patrol Aircraft                        | ROV                              | Remotely Operated Vehicle                                |
| msl              | mean sea level                                  | S-A                              | Surface-to-Air   |
| MSO              | Maritime Security Operations                    | SAS                              | Synthetic Aperture Sonar                                 |
| N <sub>2</sub> O | nitrous oxide                                   | SCUBA                            | Self Contained Underwater Breathing Apparatus            |
| NAEMO            | Navy Acoustic Effects Model                     | SD                               | Swimmer Detection Sonar                                  |
| Navy             | United States Department of the Navy            | SDST                             | Ship Deployable Seaborne Target                          |
| NEPA             | National Environmental Policy Act               | SEAL                             | Sea, Air, Land   |
| NEPM             | Non-Explosive Practice Munition                 | SEAMAP                           | Spatial Ecological Analysis of Megavertebate Populations |
| NEW              | Net Explosive Weight                            | SF <sub>6</sub>                  | sulfur hexafluoride                                      |
| ng               | nanogram(s)                                     | SINKEX                           | Sinking Exercise   |
| ng/L             | nanograms(s)/liter                              | SL                               | Source Level   |
| nm               | nautical mile(s)                                | SMCMEX                           | Mine Countermeasure Exercise – Surface                   |
| nm <sup>2</sup>  | square nautical mile(s)                         | SO <sub>2</sub>                  | sulfur dioxide   |
| NMFS             | National Marine Fisheries Service               | SOx                              | sulfur oxides  |
| NO <sub>2</sub>  | nitrogen dioxide                                | SPL                              | Sound Pressure Level                                     |
| NOx              | nitrogen oxides                                 | S-S                              | Surface-to-Surface                                       |
| NOAA             | National Oceanic and Atmospheric Administration |                                  |  |

---

|                       |  |
|-----------------------|--|
| SSBN                  | Fleet Ballistic Missile Submarines               |
| SSGN                  | Guided Missile Submarines                        |
| SSS                   | Side Scan Sonar                                  |
| SSTC                  | Silver Strand Training Complex                   |
| STW                   | Strike Warfare                                   |
| SUA                   | Special Use Airspace                             |
| SUS                   | Signal Underwater Sound                          |
| SWATH                 | Small Waterplane Area Twin Hull                  |
| TACP                  | Tactical Air Control Party                       |
| Tg                    | teragram(s)                                      |
| Tg CO <sub>2</sub> Eq | carbon dioxide equivalents                       |
| TL                    | Transmission Loss                                |
| TNT                   | Trinitrotoluene                                  |
| TORP                  | Torpedoes  |
| TORPEX                | Torpedo Exercise                                 |
| TPY                   | tons per year                                    |
| TRACKEX               | Tracking Exercise                                |
| TTS                   | Temporary Threshold Shift                        |
| U.S.                  | United States                                    |
| U.S.C.                | United States Code                               |
| UAV                   | Unmanned Aerial Vehicle                          |
| UISS                  | Unmanned Influence Sweep System                  |
| USEPA                 | U.S. Environmental Protection Agency             |
| USFWS                 | U.S. Fish and Wildlife Service                   |
| VOC                   | volatile organic compounds                       |
| W                     | Warning Area                                     |
| WPacFIN               | Western Pacific Fisheries Information<br>Network |
| yd.                   | yard(s)  |
| yd. <sup>2</sup>      | square yard(s)                                   |
| YP                    | Yard Patrol Craft                                |

This Page Intentionally Left Blank