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## Incidental Take Authorizations

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### Overview

This page is designed to provide information on why the marine mammal non-fishery interaction program was created, how the program operates under current laws and regulations, and to provide guidance on how to obtain marine mammal small take authorizations for non-fishery activities. The marine mammal non-fishery interaction program is tasked with implementation of section 101(a)(5) (A-D) of the [Marine Mammal Protection Act of 1972](#) (MMPA), as amended (16 U.S.C. 1371(a)(5)), which provides a mechanism for allowing, upon request, the "incidental", but not intentional, taking, of small numbers of marine mammals by U.S. citizens who engage in a specified activity (other than commercial fishing) within a specified geographic region.

### MMPA Incidental Take Authorization or Letter of Authorization (LOA)

In 1981, Congress amended the MMPA to provide for "incidental take" authorizations for maritime activities, provided NMFS found the takings would be of small numbers and have no more than a "[negligible impact](#)" on those marine mammal species not listed as depleted under the MMPA (i.e., listed under the [Endangered Species Act \(ESA\)](#), and not having an "[unmitigable adverse impact](#)" on subsistence harvests of these species. These "incidental take" authorizations, also known as Letters of Authorization or LOAs, require that regulations be promulgated and published in the *Federal Register* outlining:

- Permissible methods and the specified geographical region of taking;
- The means of effecting the least practicable adverse impact on the species or stock and its habitat and on the availability of the species or stock for "[subsistence](#)" uses; and,
- Requirements for monitoring and reporting, including requirements for the independent peer-review of proposed monitoring plans where the proposed activity may affect the availability of a species or stock for taking for subsistence uses.

In 1986, Congress amended both the MMPA, under the incidental take program, and the ESA to authorize takings of depleted (and endangered or threatened) marine mammals, again provided the taking (lethal, injurious, or harassment) was small in number and had a negligible impact on marine mammals.

### MMPA Incidental Harassment Authorization (IHA)

In 1994, MMPA section 101(a)(5) was amended to establish an expedited process by which citizens of the U.S. can apply for an authorization to incidentally take small numbers of marine mammals by "[harassment](#)", referred to as Incidental Harassment Authorizations or IHAs. It established specific time limits for public notice and comment on any requests for authorization which would be granted under this new provision. According to the legislative history, Congress expected NMFS to act expeditiously in complying with the notice and comment requirements and expected NMFS to use the general rule making authority available under section 112 of the MMPA to establish a process for granting authorization in the case of incidental takes by harassment in "[Arctic waters](#)". In 1996 NMFS published an interim final rule (50 CFR Part 216.101-108) implementing this aspect of the program. The interim rule will be amended and written upon completion of NMFS' criteria for [acoustic harassment](#).

Because the incidental harassment authorization process has eliminated the need for

promulgating specific regulations on the incidental taking, IHAs have been of increasing interest since 1994 for those individuals with relatively short-term activities that might inadvertently harass marine mammals. This program allows authorizations to be issued in 120 days, instead of the 8-18 months typically needed for LOAs issued under regulations.

Regarding activities that occur in Arctic waters, the MMPA requires that monitoring plans be peer reviewed where the activity has the potential to affect the availability of a species or stock of marine mammals for subsistence uses. In order to aid NOAA Fisheries Service in its review of the monitoring plans, NOAA Fisheries Service holds an annual [Open Water Meeting](#) in Anchorage, Alaska, each spring.

#### **Types of Activities**

Most LOAs and IHAs to date have involved the incidental harassment of marine mammals by noise. Activities with the greatest potential to harass by noise include:

- seismic airguns
- ship and aircraft noise
- high energy sonars
- explosives detonations

#### **Applying for an LOA or IHA**

First the applicant must ask: **Do I need an LOA or an IHA?**

The applicant should apply for an **IHA** and does not need an LOA for the activity if it can be shown that:

1. there is no potential for serious injury or mortality; or,
2. the potential for serious injury or mortality can be negated through mitigation requirements that could be required under the authorization

If these two requirements cannot be met, or in other words, if the potential for "[serious injury](#)" and/or mortalities exists and there are no mitigating measurements that could be taken to prevent this form of 'take' from occurring, then the applicant must obtain an **LOA**.

After the type of authorization is determined, the applicant must submit a written request to the NMFS Office of Protected Resources AND the appropriate NMFS [Regional Office](#) where the specified activity is planned. These requests must include items 1-14 below before being considered by NMFS.

{Note that incomplete applications and applications that do not contain or refer to the necessary [NEPA](#) documentation, if applicable, will be returned to the applicant with explanation.}

#### **All applications for marine mammal incidental take authorizations, whether an LOA or an IHA, must include the following information in sufficient detail for NOAA Fisheries to meet the requirements mandated by section 7 of the Endangered Species Act and the National Environmental Policy Act (NEPA):**

1. A detailed description of the specific activity or class of activities that can be expected to result in incidental taking of marine mammals;
2. The date(s) and duration of such activity and the specific geographical region where it will occur;
3. The species and numbers of marine mammals likely to be found within the activity area;
4. A description of the status, distribution, and seasonal distribution (when applicable) of the affected species or stocks of marine mammals likely to be affected by such activities;
5. The type of incidental taking authorization that is being requested (i.e., takes by harassment only; takes by harassment, injury and/or death) and the method of incidental taking;
6. By age, sex, and reproductive condition (if possible), the number of marine mammals (by species) that may be taken by each type of taking identified in paragraph (a)(5) of this section, and the number of times such takings by each type of taking are likely to occur;

7. The anticipated impact of the activity upon the species or stock;
8. The anticipated impact of the activity on the availability of the species or stocks of marine mammals for subsistence uses;
9. The anticipated impact of the activity upon the habitat of the marine mammal populations, and the likelihood of restoration of the affected habitat;
10. The anticipated impact of the loss or modification of the habitat on the marine mammal populations involved;
11. The availability and feasibility (economic and technological) of equipment, methods, and manner of conducting such activity or other means of effecting the least practicable adverse impact upon the affected species or stocks, their habitat, and on their availability for subsistence uses, paying particular attention to rookeries, mating grounds, and areas of similar significance;
12. Where the proposed activity would take place in or near a traditional Arctic subsistence hunting area and/or may affect the availability of a species or stock of marine mammal for Arctic subsistence uses, the applicant must submit either a "[plan of cooperation](#)" or information that identifies what measures have been taken and/or will be taken to minimize any adverse effects on the availability of marine mammals for subsistence uses.
13. The suggested means of accomplishing the necessary monitoring and reporting that will result in increased knowledge of the species, the level of taking or impacts on populations of marine mammals that are expected to be present while conducting activities and suggested means of minimizing burdens by coordinating such reporting requirements with other schemes already applicable to persons conducting such activity. Monitoring plans should include a description of the survey techniques that would be used to determine the movement and activity of marine mammals near the activity site(s) including migration and other habitat uses, such as feeding. Guidelines for developing a site-specific monitoring plan may be obtained by writing to the Director, Office of Protected Resources; and
14. Suggested means of learning of, encouraging, and coordinating research opportunities, plans, and activities relating to reducing such incidental taking and evaluating its effects.

All documentation, including the application, reports, and any other associated documents are considered public information and as such, are subject to the Freedom of Information Act. Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject to a penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number.

OMB No. 0648-0151  
Expires: January 31, 2014

#### **How long does it take to get an authorization once the application is complete?**

Please note that decisions on **LOA** applications (includes two comment periods, possible public hearings, and consultations) may take from 8-18 months. **IHA** decisions normally involve one comment period and, depending on the issues and species involved, can take anywhere from 4-8 months.

#### **Endangered Species Act Authorizations Involving Marine Mammals**

The 1986 MMPA Amendments provided for an authorization to incidentally take ESA-listed marine mammals provided the taking (including mortality) was authorized under section 101(a)(5) of the MMPA.

Any takings of marine mammals listed as threatened or endangered under the ESA must be authorized under both the ESA and MMPA. The ESA takes are authorized by either an Incidental Take Statement or ITS under Section 7 (for Federal agency actions) or a Section 10 permit (for private citizens).

#### **Federal Agency Actions**

Section 7 of the ESA requires a Federal authorizing or action agency to consult with NMFS on any actions that might affect listed species. If the agency or NMFS determines an action is likely to adversely affect a species (this would include any taking actions under the MMPA), formal consultation is required. Here, NMFS prepares a "[Biological Opinion](#)" (BO) which assesses whether the action is likely to

jeopardize the existence of the species. The BO may include binding and/or discretionary recommendations to reduce impact. An ITS is attached to the BO as an appendix, and it is this statement which allows the incidental take. An ITS cannot be authorized for a listed marine mammal until the MMPA authorization is completed.

#### Non-Federal Actions

A private citizen or State action not involving a Federal agency which would result in an incidental taking of a listed species must be authorized under section 10 of the ESA. The applicant is required to develop a [conservation plan](#) which describes the action, evaluates the effect of the take, and establishes the level of take. The Federal action of NMFS issuing a permit under section 10 is considered an action which itself requires section 7 consultation (in which case NMFS consults with itself).

#### LOA/IHA Applications for Public Review

Applicant	Application	EA/EIS	Documents
<b>Bureau of Ocean Energy Management, Regulation, and Enforcement (BOEMRE, formerly Minerals Management Service (MMS)) Seismic Surveys in the Gulf of Mexico</b>	<p><a href="#">2011 Application, including Appendices</a> [pdf] [2.4 MB]</p> <p>-<a href="#">2011 Application (without Appendices)</a> [pdf]</p> <p>-<a href="#">Appendix A: Acoustic Modeling Approach and Methodology</a> [pdf] [1.9 MB]</p> <p>-<a href="#">Appendix B: Current Seismic Surveys Mitigation Measures in the Gulf</a> [pdf]</p> <p>-<a href="#">Appendix C: Methodology for recalculation of new take estimates for the period 2012-7</a> [pdf]</p> <p><a href="#">2004 MMS Application</a> [pdf]</p> <p><a href="#">2002 MMS Application</a> [pdf] [1.1 MB]</p>	<p><a href="#">2004 MMS PEA</a> [pdf] [8.8 MB]</p>	<p><a href="#">2011 Federal Register Notice of Receipt and Request for Comments through 07/14/2011 (BOEMRE)</a> [pdf]</p> <p><a href="#">2004 Federal Register Notice of Intent for an EIS (MMS)</a> [pdf]</p> <p><a href="#">2003 Federal Register Notice of Receipt (MMS)</a> [pdf]</p> <p><a href="#">2003 Federal Register Notice of extension of comment deadline (MMS)</a> [pdf]</p>
<b>2011 USGS Marine Geophysical Survey in the Central-Western Bering Sea</b>	<p><a href="#">IHA Application</a> [pdf] [1.3 MB]</p>	<p><a href="#">Draft EA</a> [pdf] [3.4 MB]</p>	<p><a href="#">Correction to Federal Register notice</a> [pdf]</p> <p><a href="#">Federal Register notice and request for comments</a></p>

			<a href="#">through 07/08/2011</a> [pdf]
<b>2010 PRBO Seabird and Pinniped Research in Central California</b>	<a href="#">IHA Application</a> [pdf]		<a href="#">Federal Register notice and request for comments</a> [pdf]
<b>2011 Statoil Shallow Hazards Survey in the Alaskan Chukchi Sea</b>	<a href="#">IHA Application</a> [pdf] [1.6 MB]		<a href="#">AEWC Comments</a> [pdf]  <a href="#">AWL Comments</a> [pdf]  <a href="#">MMC Comments</a> [pdf]  <a href="#">Federal Register notice and request for comments</a> [pdf]  <a href="#">Monitoring and Mitigation Plan</a> [pdf]
<b>2011 Monterey Bay National Marine Sanctuary (MBNMS) Coastal Fireworks Displays</b>	<a href="#">IHA Application</a> [pdf]		<a href="#">Federal Register notice and request for comments</a> [pdf]  <a href="#">Maps of Fireworks Launch Sites in MBNMS</a> [pdf] [1.0 MB]  <a href="#">Assessment of Pyrotechnic Displays and Impacts within the MBNMS 1993-2001</a> [pdf] » <a href="#">Appendix to Assessment</a> [pdf] [1.3 MB]
<b>2011 Pile-Driving and Renovation Operations on the Trinidad Pier by the Cher-Ae Heights Indian Community for the Trinidad Rancheria in Trinidad, CA</b>	<a href="#">IHA Application</a> [pdf]		<a href="#">Federal Register notice and request for comments</a> [pdf]  <a href="#">Biological Assessment</a> [pdf]  <a href="#">Monitoring Plan</a> [pdf]  <a href="#">NMFS Letter: November 2009</a> [pdf]

			<a href="#">NMFS Letter: October 2009</a> [pdf]
<b>2011 Lamont-Doherty Earth Observatory (LDEO) Marine Seismic Survey in Western Gulf of Alaska</b>	<a href="#">Issued IHA</a> [pdf] [1.7 MB]  <a href="#">IHA Application</a> [pdf] [1.2 MB]	<a href="#">L-DEO EA</a> [pdf] [3.5 MB]  <a href="#">NSF EA</a> [pdf] [3.3 MB]	<a href="#">Federal Register Notice of Issuance</a> [pdf]  <a href="#">MMC Comments</a> [pdf]  <a href="#">Federal Register Notice; Request for Comments</a> [pdf]
<b>2011 United Launch Alliance Harbor Activities Related to the Delta IV/EEL Vehicle at VAFB, CA</b>	<a href="#">Issued IHA</a> [pdf] [1.1 MB]  <a href="#">IHA Application</a> [pdf]		<a href="#">Public Comment</a> [pdf]  <a href="#">MMC Comments</a> [pdf]  <a href="#">Federal Register notice</a> [pdf]  <a href="#">2010 Monitoring Report</a> [pdf] [2.3 MB]
<b>2011 USGS Marine Geophysical Survey in the Central Gulf of Alaska</b>	<a href="#">Issued IHA</a> [pdf] [4.5 MB]  <a href="#">IHA Application</a> [pdf]	<a href="#">Draft EA</a> [pdf] [2.2 MB]	<a href="#">Federal Register Notice of Issuance</a> [pdf]  <a href="#">MMC Comments</a> [pdf] [4.1 MB]  <a href="#">Federal Register Notice of Proposed IHA; Request for Comments</a> [pdf]
<b>2012-2017 Port Dolphin LNG Construction and Operation, Florida</b>	<a href="#">LOA Application</a> [pdf] [2.6 MB]		<a href="#">Federal Register notice of receipt; request for comments</a> [pdf]
<b>2011 Sonoma County (CA) Water Agency's Russian River Estuary Management</b>	<a href="#">IHA Application</a> [pdf] [11.0 MB]		<a href="#">Federal Register Notice of Issuance</a> [pdf]  <a href="#">Federal Register Notice of Proposed IHA; Request for Comments</a> [pdf]  <a href="#">Pinniped Monitoring Plan</a> [pdf] [17.8 MB]  <a href="#">2010 Monitoring</a>

			<a href="#">Report</a> [pdf] [29.8 MB]  <a href="#">Russian River Estuary Outlet Channel Adaptive Management Plan</a> [pdf] [2.4 MB]
<b>2011 Naval Base Kitsap Bangor Pile Replacement Program</b>	<a href="#">IHA Application</a> [pdf] [4.4 MB]	<a href="#">Environmental Assessment (EA)</a> [pdf] [15.9 MB]  <a href="#">Draft EA</a> [pdf] [8.2 MB]	<a href="#">Federal Register notice of issuance</a> [pdf]  <a href="#">Federal Register notice of Proposed IHA</a> [pdf]
<b>2011 L-DEO Marine Seismic Survey in the Pacific Ocean, off Costa Rica</b>	<a href="#">Issued IHA</a> [pdf] [5.8 MB]  <a href="#">IHA Application</a> [pdf] [1.3 MB]	<a href="#">NMFS EA</a> [pdf]  <a href="#">NMFS FONSI</a> [pdf] [7.8 MB]  <a href="#">NSF Report</a> [pdf] [2.2 MB]  <a href="#">NSF FONSI</a> [pdf] [3.2 MB]	<a href="#">MMC Comments</a> [pdf]  <a href="#">Federal Register Notice of Receipt; Request for Comments and Information</a> [pdf]
<b>2011 Naval Base Kitsap Bangor Test Pile Program</b>	<a href="#">IHA Application</a> [pdf] [2.8 MB]	<a href="#">Draft Environmental Assessment</a> [pdf] [10.8 MB]	<a href="#">Federal Register notice of Proposed IHA</a> [pdf]  <a href="#">Draft EFH Assessment</a> [pdf] [1.7 MB]
<b>2011 USFWS Polar Bear Captures</b>	<a href="#">Issued IHA</a> [pdf] [1.6 MB]  <a href="#">IHA Application</a> [pdf]	<a href="#">EA (final)</a> [pdf] [1.7 MB]  <a href="#">FONSI</a> [pdf]	<a href="#">Federal Register Notice of Proposed IHA</a> [pdf]
<b>2011-2016 Neptune Deepwater Port Operation and Maintenance/ Repair</b>	<a href="#">LOA Application</a> [pdf] [4.5 MB]		<a href="#">Correction to Federal Register Notice of Final Rule</a> [pdf]  <a href="#">Federal Register Notice of Final Rule</a> [pdf]  <a href="#">Federal Register Notice of Proposed Rule</a> [pdf]
<b>2010 Columbia River Crossing</b>	<a href="#">LOA Application</a> [pdf] [16.6 MB]		<a href="#">Federal Register Notice of Receipt; Request for Comments and Information</a> [pdf]

<b>2010 San Francisco-Oakland Bay Bridge East Span Seismic Safety Project</b>	<a href="#">2011 IHA</a> [pdf]  <a href="#">IHA Renewal Clarification</a> [pdf]  <a href="#">IHA Renewal</a> [pdf]		<a href="#">Federal Register; Notice of Issuance</a> [pdf]  <a href="#">Comments from the Marine Mammal Commission</a> [pdf]  <a href="#">Federal Register notice</a> [pdf]  <a href="#">Marine Mammal Monitoring Report</a> [pdf] [1.3 MB]
<b>2010 St. George Reef Lighthouse Restoration in Del Norte, CA</b>	<a href="#">Issued IHA</a> [pdf] [4.5 MB]  <a href="#">IHA Application</a> [pdf]	<a href="#">Final EA</a> [pdf]  <a href="#">FONSI</a> [pdf] [1.7 MB]	<a href="#">MMC Comments</a> [pdf] [1.3 MB]  <a href="#">Federal Register Notice of Receipt; Request for Comments</a> [pdf]  <a href="#">2010 Monitoring Report</a> [pdf]
<b>2010 US Navy Training Conducted within the Silver Strand Training Complex</b>	<a href="#">IHA Application</a> [pdf] [6.9 MB]  <a href="#">IHA Application version 2</a> [pdf] [5.0 MB]  <a href="#">IHA Application version 3</a> [pdf] [6.8 MB]		<a href="#">Comments from the Marine Mammal Commission</a> [pdf]  <a href="#">Federal Register Notice of Receipt; Request for Comments</a> [pdf]
<b>2010 Parsons Slough Sill Project in Monterey County, CA</b>	<a href="#">IHA Application</a> [pdf] [3.7 MB]		<a href="#">Federal Register Notice of Issuance</a> [pdf]  <a href="#">Federal Register Notice of Receipt; Request for Comments</a> [pdf]
<b>2010 Knik Arm Crossing Project in Upper Cook Inlet, Alaska</b>	<a href="#">LOA Application</a> [pdf] [5.1 MB]		<a href="#">Federal Register Notice of Receipt; Request for Comments</a> [pdf]
<b>2010 Exploratorium Relocation in San Francisco, CA</b>	<a href="#">IHA Application</a> [pdf]	<a href="#">Final EA</a> [pdf]	<a href="#">Federal Register Notice of Issuance</a> [pdf]  <a href="#">Federal Register notice of receipt; request for comments</a>



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<b>2010 Northeast Gateway for the operations of an LNG port facility in Massachusetts Bay</b>	<a href="#">Issued IHA</a> [pdf]  <a href="#">IHA Application</a> [pdf] [3.8 MB]		<a href="#">Comments from the Marine Mammal Commission</a> [pdf] [2.1 MB]  <a href="#">Federal Register Notice of Issuance</a>  [pdf]  <a href="#">Federal Register notice of receipt; request for comments</a> [pdf]
<b>2010 Bluewater Meteorological Tower Installation, New Jersey/ Delaware</b>	<a href="#">Issued IHA</a> [pdf] [3.0 MB]  <a href="#">IHA Application: Delaware</a> [pdf]  <a href="#">IHA Application: New Jersey</a> [pdf]		<a href="#">Federal Register Notice of Issuance</a> [pdf]  <a href="#">Federal Register notice of receipt; request for comments</a> [pdf]
<b>2010 Alaska Aerospace Corporation Space Vehicle and Missile Launch Operations at Kodiak Launch Complex, AK</b>	<a href="#">LOA Application</a> [pdf]		<a href="#">Final Rule</a> [pdf]  <a href="#">2011 LOA Notice</a> [pdf]  <a href="#">Federal Register proposed rule; request for comments</a> [pdf]  <a href="#">Federal Register notice of receipt; request for comments</a> [pdf]
<b>2010 USGS Seismic Survey in the Arctic Ocean</b>	<a href="#">Issued IHA</a> [pdf] [4.5 MB]  <a href="#">IHA Application</a> [pdf] [1.6 MB]  <a href="#">Addendum to IHA Application</a> [pdf]	<a href="#">Final EA</a> [pdf] [6.9 MB]  <a href="#">Draft EA</a> [pdf] [1.7 MB]	<a href="#">USGS 2010 Monitoring Report</a> [pdf] [7.8 MB]  <a href="#">Federal Register Notice of Issuance</a> [pdf]  <a href="#">AEWC Comments</a> [pdf]  <a href="#">Federal Register notice &amp; request for comments</a> [pdf]  <a href="#">Comments Received</a>

			[pdf] [4.1 MB]
<b>2010 Statoil 3D Marine Seismic Survey in Chukchi Sea, AK</b>	<a href="#">Issued IHA</a> [pdf]  <a href="#">IHA Application</a> [pdf] [1.7 MB]	<a href="#">EA</a> [pdf] [3.9 MB]  <a href="#">FONSI</a> [pdf]	<a href="#">Peer Review Report</a> [pdf]  <a href="#">Peer Review Rec Letter</a> [pdf]  <a href="#">Comments Received</a> [pdf] [2.9 MB]  <a href="#">Federal Register notice of receipt; request for comments</a> [pdf]  <a href="#">Biological Opinion for Shell and Statoil's Marine and Seismic Surveys</a> [pdf] [1.7MB]  <a href="#">Statoil 90-day monitoring report</a> [pdf] [13 MB] <a href="#">Addendum to the 90-day Report</a> [pdf]
<b>2010 U.S. Marine Corps Training Activities in Pamlico Sound, NC</b>	<a href="#">IHA Application</a> [pdf]	<a href="#">EA</a> [pdf] [9.3 MB]  <a href="#">FONSI</a> [pdf]	<a href="#">Federal Register notice &amp; request for comments</a> [pdf]
<b>2010 Shell Open Water Marine Survey Program in the Beaufort and Chukchi Seas, AK</b>	<a href="#">Issued IHA</a> [pdf]  <a href="#">IHA Application</a> [pdf] [1.7 MB]	<a href="#">EA</a> [pdf] [3.9 MB]  <a href="#">FONSI</a> [pdf]	<a href="#">90-day monitoring report with appendices</a> [pdf] [37.9 MB] <a href="#">*Report only</a> [pdf] [7.4 MB]  <a href="#">Peer Review Report</a> [pdf]  <a href="#">Peer Review Rec Letter</a> [pdf]  <a href="#">Comments Received</a> [pdf] [3.6 MB]  <a href="#">Federal Register notice of receipt; request for comments</a> [pdf]  <a href="#">Biological Opinion for Shell and</a>

			<a href="#">Statoil's Marine and Seismic Surveys</a> [pdf] [1.7 MB]
<b>2010 Shell Chukchi Sea, AK, Exploratory Drilling Program</b>	<a href="#">IHA Application</a> [pdf] [1.2 MB]		<a href="#">Comments Received</a> [pdf]  <a href="#">Federal Register notice of receipt; request for comments</a> [pdf]  <a href="#">Communication Plan</a> [pdf]  <a href="#">Plan of Cooperation (POC)</a> [pdf]
<b>2010-2011 Neptune Deepwater Port Operation and Maintenance/ Repair</b>	<a href="#">2010 Issued IHA</a> [pdf] [1.9 MB]  <a href="#">IHA Application</a> [pdf] [4.1 MB]		<a href="#">Comments Received</a> [pdf] [1.9 MB]  <a href="#">Federal Register notice of receipt; request for comments</a> [pdf]
<b>2010 Shell Camden Bay, Beaufort Sea, AK, Exploratory Drilling Program</b>	<a href="#">IHA Application</a> [pdf] [1.3 MB]		<a href="#">Comments Received</a> [pdf] [38.9 MB]  <a href="#">Communications Plan</a> [pdf]  <a href="#">Plan of Cooperation (POC)</a> [pdf]  <a href="#">Federal Register notice of receipt; request for comments</a> [pdf]
<b>2010 Washington State Department of Transportation Manette Bridge Replacement Project</b>	<a href="#">Issued IHA</a> [pdf]  <a href="#">IHA Application</a> [pdf]	<a href="#">EA</a> [pdf]  <a href="#">FONSI</a> [pdf] [1.8 MB]	
<b>2011-2016 BP Operation of Northstar Oil and Gas Facility in the Beaufort Sea, AK</b>	<a href="#">LOA Application</a> [pdf]		<a href="#">Federal Register Notice of Proposed Rule</a> [pdf] » <a href="#">Comment on the Proposed Rule</a>  <a href="#">Federal Register notice of receipt</a>

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<b>2010 NMFS Alaska Region Replacement and Repair of Fur Seal Research Observation Towers and Walkways on St. Paul Island, AK</b>	<a href="#">Issued IHA</a> [pdf] [1.1 MB]  <a href="#">IHA Application</a> [pdf]	<a href="#">Final EA</a> [pdf]  <a href="#">Draft EA</a> [pdf]	<a href="#">90-Day Monitoring Report</a> [pdf]  <a href="#">Federal Register notice of issuance</a> [pdf]  <a href="#">MMC Comments</a> [pdf]  <a href="#">Maps</a> [pdf] [4.8 MB]  <a href="#">Photos</a> [pdf]  <a href="#">Federal Register notice of receipt; request for comments</a> [pdf]
<b>2010 L-DEO Marine Seismic Survey in the Commonwealth of the Northern Mariana Islands (CNMI)</b>	<a href="#">IHA Application</a> [pdf]	<a href="#">EA: L-DEO</a> [pdf] [1.8 MB]  <a href="#">EA: NSF</a> [pdf]	<a href="#">Federal Register notice of receipt; request for comments</a> [pdf]
<b>2009 Navy Training Activities in the Gulf of Alaska Temporary Maritime Activities Area</b>	<a href="#">LOA Application</a> [pdf] [4.2 MB]	<a href="#">Draft EIS</a> [pdf] [13.9 MB]	<a href="#">Correction to Federal Register Notice of Final Rule</a> [pdf]  <a href="#">Federal Register Notice of Final Rule</a> [pdf]  <a href="#">Final Monitoring Plan</a> [pdf]  <a href="#">Stranding Protocol</a> [pdf]  <a href="#">Draft Monitoring Plan</a> [pdf] [1.4 MB]  <a href="#">Federal Register notice of Proposed Rule</a> [pdf] [1.3 MB]
<b>2009 Eglin Air Force Base's NEODS Training Operations</b>	<a href="#">LOA Application</a> [pdf] [5.1 MB]		<a href="#">Federal Register Notice</a> [pdf]  <a href="#">ESA informal consultation letter</a> [pdf]  <a href="#">Federal Register</a>

			<a href="#">notice of receipt</a> [pdf]
<b>2009 PRBO Seabird and Pinniped Research in Central California</b>	<a href="#">Issued IHA</a> [pdf] [2.7 MB]  <a href="#">IHA Application</a> [pdf]		<a href="#">Federal Register notice</a> [pdf]
<b>2009 Caltrans Dumbarton Bridge Seismic Retrofit Project</b>	<a href="#">Application Modification Letter</a> [pdf]  <a href="#">IHA Application</a> [pdf]		<a href="#">Federal Register notice</a> [pdf]
<b>2009 Sonoma County (CA) Water Agency's Russian River Estuary Management</b>	<a href="#">Issued IHA</a> [pdf]  <a href="#">IHA Application</a> [pdf]	<a href="#">EA</a> [pdf] [1.3 MB]  <a href="#">FONSI</a> [pdf]	<a href="#">Federal Register notice of issuance</a> [pdf]  <a href="#">Public Comments</a> [pdf]  <a href="#">Monitoring Plan</a> [pdf]  <a href="#">Federal Register notice of receipt</a> [pdf]
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<b>2009 Fireworks Display in the Monterey Bay</b>	<a href="#">Issued LOA</a> [pdf]		<a href="#">2008 Monitoring Report</a> [pdf] [1.7 MB]

<b>National Marine Sanctuary</b>			
<b>2009 Shell Open-water Marine Survey Program, Chukchi Sea</b>	<a href="#">Issued IHA</a> [pdf]  <a href="#">IHA Application</a> [pdf] [1.8 MB]  <a href="#">» Addendum 1</a> [pdf]  <a href="#">» Addendum 2</a> [pdf]	<a href="#">EA</a> [pdf]  <a href="#">FONSI</a> [pdf]	<a href="#">90-day Monitoring Report</a> [pdf] [21.3 MB]  <a href="#">Public Comments Received</a> [pdf] [6.5 MB]
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<b>2008 Navy's East Coast Undersea Warfare Training Range</b>	<a href="#">LOA</a> [pdf] [2.9 MB]		
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