

fiber laser combined with a high power CW fiber laser amplifier.

Docket Number: 25–005. Applicant: University of Washington, 4300 Roosevelt Way NE, Roosevelt Commons West, Seattle, WA 98105–4718. Instrument: Femtosecond lasers with ultrahigh power. Manufacturer: ULTRONPHOTONICS CO., LTD., China. Intended Use: The instrument is intended to be used to study very thin materials, just one atom thick, called two-dimensional materials. These materials behave in very special ways that are different from the everyday bulk materials. The laser will also be used to study semiconductors to better understand how they process information and energy. The ultimate goal is to advance chip development and realize quantum computers, which can drive breakthroughs in many areas, particularly in artificial intelligence (AI), that can also improve energy conversion efficiency and make electric vehicle batteries safer.

Docket Number: 25–006. Applicant: Rice University, 6100 Main Street, MS–61, Houston, TX 77005. Instrument: Narrow linewidth laser. Manufacturer: Shanghai Precilasers Technology Co., Ltd., China. Intended Use: The instrument is intended to be used for the 3.4 μ m laser from Precilasers to drive an electronic transition across two metastable energy levels in the singly ionized Ytterbium ion (Yb⁺). The Yb⁺ ion has a rich energy level structure owing to its electronic configuration as a rare earth element. The ¹⁷¹Yb⁺ ion (isotope=171) consists of two ground state energy levels (²S_{1/2} state) that are robust to perturbations and are, therefore, used to encode a bit of quantum information (qubit).

Docket Number: 25–007. Applicant: University of Colorado JILA Department, 1900 Colorado Avenue, Campus Box, 440 UCB, Boulder, CO 80309. Instrument: Integrated laser and amplification system. Manufacturer: Shanghai Precilasers Technology Co., Ltd., China. Intended Use: The instrument is intended to be used for a high-power, narrow linewidth laser to operate at 1111.6 nm. The laser will be used as a seed, and fed to a doubler to get ~3W of 556 nm light which we will use for the trapping and cooling of Yb atoms.

Docket Number: 25–008. Applicant: Columbia University, Department of Physics, Pupin Hall, 538 W 120 Street, New York, NY 10027. Instrument: Difference Frequency Generation Fiber Laser, 2923 nm single pass (FL–SF–2923–0.1–CW). Manufacturer: PreciLasers, China. Intended Use: The instrument is intended to be used for

driving the mid-infrared optical transition in Strontium-88 atom arrays in optical tweezer experiments. This mid-infrared transition in arrays will be used to excite the 3P₂–3D₃ transition, enabling the study of quantum simulation on the super-subradiance. The objectives are to observe the evidence of super-subradiance in the strontium-88 arrays, which are required to observe the lifetime longer or shorter than spontaneous decay of single strontium-88 atom (57 kHz). The mid-infrared transition will excite 2923 nm laser and observe the lifetime of excited state via a state-detection method.

Docket Number: 25–009. Applicant: Duke University, 324 Blackwell Street, Chesterfield Building, 701 W Main Street, Durham, NC 27701. Instrument: Narrow linewidth, 435 nm laser. Manufacturer: Shanghai Precilasers Technology Co., Ltd., China. Intended Use: The instrument is intended to be used to investigate quantum simulations using trapped Ytterbium ions, and the reduction of readout errors using this laser over current readout procedures and the use of this laser for the optical-metastable-ground qubit architecture. To employ the laser in achieving these objectives, it will be Pound-Drever-Hall locked to an optical cavity to stabilize its phase and then will be passed through an optical system to deliver light to the Ytterbium ions to drive Rabi flopping and/or induce AC Stark shifts.

Docket Number: 25–010. Applicant: Salk Institute for Biological Studies, 10010 N Torrey Pines Road, La Jolla, CA 92037. Instrument: Supernova-3000 miniature three-photon microscope. Manufacturer: Nanjing Transcend Vivoscoper Bio-Technology Co., Ltd., China. Intended Use: The instrument is intended to be used for Biological studies and its Biophotonics Center which aims to uncover the cellular and molecular mechanisms underlying physiology and pathology, including Alzheimer's disease, neuropathic pain, multiple sclerosis, and spinal cord injury. The goal is to develop new or improved treatments for these diseases. All studies will be conducted using animal models for human diseases, especially mice.

Dated: May 13, 2025.

Tyler O'Daniel,

Acting Director, Subsidies Enforcement, Enforcement and Compliance.

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DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

[RIN 0648–XE850]

Taking and Importing Marine Mammals; Taking Marine Mammals Incidental to Texas Parks and Wildlife Fisheries Independent Research Programs

AGENCY: National Marine Fisheries Service (NMFS), National Oceanic and Atmospheric Administration (NOAA), Commerce.

ACTION: Notice; receipt of application for Letter of Authorization; request for comments and information.

SUMMARY: NMFS has received a request from the Texas Parks and Wildlife Department (TPWD) for authorization to take small numbers of marine mammals incidental to fisheries independent research surveys conducted in the coastal waters of Texas over the course of five years (2025–2030). Pursuant to regulations implementing the Marine Mammal Protection Act (MMPA), NMFS is announcing receipt of the TPWD's request for the development and implementation of regulations governing the incidental taking of marine mammals. NMFS invites the public to provide information, suggestions, and comments on the TPWD's application and request.

DATES: Comments and information must be received no later than June 18, 2025.

ADDRESSES: Comments on the applications should be addressed to the Permits and Conservation Division, Office of Protected Resources, National Marine Fisheries Service. Physical comments should be sent to 1315 East-West Highway, Silver Spring, MD 20910 and electronic comments should be sent to ITP.cockrell@noaa.gov.

Instructions: NMFS is not responsible for comments sent by any other method, to any other address or individual, or received after the end of the comment period. Comments received electronically, including all attachments, must not exceed a 25-megabyte file size. Attachments to electronic comments will be accepted in Microsoft Word or Excel or Adobe PDF file formats only. All comments received are a part of the public record and will generally be posted online at <https://www.fisheries.noaa.gov/national/marine-mammal-protection/incidental-take-authorizations-research-and-other-activities> without change. All personal identifying information (e.g., name, address) voluntarily submitted by

the commenter may be publicly accessible. Do not submit confidential business information or otherwise sensitive or protected information.

An electronic copy of the TPWD's application may be obtained online at: <https://www.fisheries.noaa.gov/national/marine-mammal-protection/incidental-take-authorizations-research-and-other-activities>. In case of problems accessing these documents, please call the contact listed below.

FOR FURTHER INFORMATION CONTACT: Craig Cockrell, Office of Protected Resources, NMFS, (301) 427-8401.

SUPPLEMENTARY INFORMATION:

Background

Sections 101(a)(5)(A) and (D) of the MMPA (16 U.S.C. 1361 *et seq.*) direct the Secretary of Commerce (as delegated to NMFS) to allow, 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 geographical region if certain findings are made and either regulations are issued or, if the taking is limited to harassment, a notice of a proposed authorization is provided to the public for review.

An incidental take authorization shall be granted if NMFS finds that the taking will have a negligible impact on the species or stock(s), will not have an unmitigable adverse impact on the availability of the species or stock(s) for subsistence uses (where relevant), and if the permissible methods of taking and requirements pertaining to the mitigation, monitoring and reporting of such takings are set forth.

NMFS has defined "negligible impact" in 50 CFR 216.103 as an impact resulting from the specified activity that cannot be reasonably expected to, and is not reasonably likely to, adversely affect the species or stock through effects on annual rates of recruitment or survival.

The MMPA states that the term "take" means to harass, hunt, capture, kill or attempt to harass, hunt, capture, or kill any marine mammal.

Except with respect to certain activities not pertinent here, the MMPA defines "harassment" as: any act of pursuit, torment, or annoyance, which (i) has the potential to injure a marine mammal or marine mammal stock in the wild (Level A harassment); or (ii) has the potential to disturb a marine mammal or marine mammal stock in the wild by causing disruption of behavioral patterns, including, but not limited to, migration, breathing, nursing, breeding, feeding, or sheltering (Level B harassment).

Summary of Request

On October 31, 2023, NMFS received an application from the TPWD requesting authorization for take of marine mammals incidental to fisheries independent research activities related to sampling activities with gillnet gear in the coastal waters of Texas. A revised application was submitted on March 3, 2025, and we determined the application was adequate and complete on May 12, 2025. The requested regulations would be valid for five years (2025–2030). The TPWD plans to conduct necessary work in several coastal bays of Texas including Laguna Madre, Nueces and Corpus Christi Bay, Aransas Bay complex, Matagorda Bay, West Bay, Galveston Bay, and Sabine Lake. It is possible that marine mammals may interact with fishing gear (*e.g.*, gillnets) proposed for use in TPWD's fishery independent, resulting in injury, serious injury, or mortality. Therefore, the TPWD requests authorization to incidentally take marine mammals.

Specified Activities

TPWD conducts a long-term standardized fishery-independent monitoring program to assess the relative abundance and size of finfish and shellfish in Texas bays. The fisheries independent research programs use sampling gear including gillnets, trawls, and dredges to assess finfish and shellfish abundance and health in the surrounding coastal bays of Texas. Results from this program are primarily used by TPWD to manage Texas' marine finfish and shellfish resources. These proposed activities by TPWD would be conducted over the 5-year period of the regulations and subsequent Letter of Authorization.

Information Solicited

Interested persons may submit information, suggestions, and comments concerning the TPWD's request (see **ADDRESSES**). NMFS will consider all information, suggestions, and comments related to the request during the development of proposed regulations governing the incidental taking of marine mammals by the TPWD, if appropriate.

Dated: May 13, 2025.

Kimberly Damon-Randall,

*Director, Office of Protected Resources,
National Marine Fisheries Service.*

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DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

[RTID 0648–XE918]

South Atlantic Fishery Management Council; Public Meeting

AGENCY: National Marine Fisheries Service (NMFS), National Oceanic and Atmospheric Administration (NOAA), Commerce.

ACTION: Meeting of the South Atlantic Fishery Management Council.

SUMMARY: The South Atlantic Fishery Management Council (Council) will hold meetings of the following: Snapper Grouper Commercial Sub-Committee; Mackerel Cobia Committee; Snapper Grouper Committee; and Joint Habitat & Ecosystem and Shrimp Committee. The meeting week will also include a formal public comment session and meetings of the Full Council.

DATES: The Council meeting will be held from 8:30 a.m. on Monday, June 9, 2025, until 12 p.m. on Friday, June 13, 2025.

ADDRESSES: The meeting will be held at the Radisson Resort at the Port, 8701 Astronaut Blvd., Cape Canaveral, FL 32920; phone (321) 406–5615. The meeting will also be available via webinar. See **SUPPLEMENTARY INFORMATION** section.

FOR FURTHER INFORMATION CONTACT: Kim Iverson, Public Information Officer, South Atlantic Fishery Management Council; phone (843) 302–8440 or (843) 571–4366; email: kim.iverson@safmc.net.

SUPPLEMENTARY INFORMATION: Meeting information, including agendas, overviews, and briefing book materials will be posted on the Council's website at: <https://safmc.net/council-meetings/>. Webinar registration links for the meeting will also be available from the Council's website.

Public comment: Public comment on agenda items may be submitted through the Council's online comment form available from the Council's website at: <https://safmc.net/events/june-2025-council-meeting/>. Written comments will be accepted from May 23, 2025, until June 13, 2025. These comments are accessible to the public, part of the Administrative Record of the meeting, and immediately available for Council consideration. A formal public comment session will also be held during the Council meeting.