

Staff Report 43

APPLICANT:

Bubbleology Research International, Inc.

PROPOSED ACTION:

Issuance of a non-exclusive General Offshore Geophysical Survey Permit.

AREA, LAND TYPE, AND LOCATION:

State Marine Waters (as defined in title 2, Cal. Code of Regs., sec. 2100.03(h)), from the mean high tide line to 3 nautical miles offshore including granted and ungranted tidelands and submerged lands.

AUTHORIZED USE:

Collection of geophysical data by multibeam sonar survey methods.

TERM:

3 years, beginning August 21, 2025.

CONSIDERATION:

The Applicant has submitted the \$5,000 fee.

SPECIFIC PERMIT PROVISIONS:

The General Permit requires the permittee to provide staff with a Marine Wildlife Contingency Plan, Oil and General Spill Contingency Plan, and post-survey data reports and records of biological observations. Other requirements include: 21-days advance notice of survey activity to the Commission and United States Coast Guard (USCG) Notice to Mariners, the location of the survey, and the technical descriptions and specifications of all survey equipment to be used. Staff may

obtain copies of all data derived from any and all surveys under this General Permit upon request.

STAFF ANALYSIS AND RECOMMENDATION:

The Applicant has applied for a General Permit pursuant to the Commission's Geophysical Survey Permit Program. A General Permit is issued to qualified companies and organizations to perform low-energy geophysical surveys of the ocean bottom for purposes including, but not limited to:

- Scientific research, including surveys of nearshore sand erosion and deposition, seafloor changes, and seafloor topography and bathymetry.
- Surveying existing pipeline routes and assessing any structural damage, or free spanning (an area between points where the pipeline is supported on the seafloor).
- Identifying and avoiding seafloor faults and hazards when designing pipeline and cable projects, reducing the likelihood of damage due to these hazards.
- Surveying existing fiber-optic cables, utilities, and other seafloor structures to determine how well they are buried.
- Benthic habitat surveys, hard bottom map development, and mapping of essential fish habitat or cultural resources indicating where the placement of permanent or temporary objects (e.g., cables or anchors) should be precluded.
- Searching for the locations of historic shipwrecks, other sunken boats, airplanes, and archaeological sites.

The General Permit authorizes a permittee to conduct these activities on State sovereign land, including granted or ungranted tidelands and submerged lands, and the beds of navigable waterways. Each permittee must comply with pre-survey, survey, and post-survey requirements to ensure that the survey activities address and minimize potential impacts to aquatic life or to the environment as required by statute.

Activities under the General Permit must also comply with limitations that protect the environment, as described in the Commission's regulations made effective on January 1, 2020, as Article 2.9.1, Permits for Geophysical Surveys (Cal. Code Regs., tit. 2, § 2100 et seq.) (Article 2.9.1).

AUTHORITY:

Public Resources Code sections 6005, 6212.3, 6216, and 6301; California Code of Regulations, title 2, section 2100 et seq.

PUBLIC TRUST AND STATE'S BEST INTERESTS:

Bubbleology Research International, Inc. applied for a 3-year Geophysical Survey Permit to collect geophysical data from sovereign land in a predetermined survey area offshore of Southern California, ranging approximately 1.8 kilometers along and up to 1,300 feet off of the shore of Summerland, Santa Barbara County. The permit will enable the collection of sonar data mapping in the predetermined survey location. The geophysical surveying covered under this permit supports the collection of geophysical data necessary for the analysis and mapping of oil seep locations in the Summerland Oil Field. Bubbleology is conducting this survey in partnership with Heal the Ocean, a Santa Barbara County environmental nonprofit corporation as part of the Summerland Oil Mitigation Study. The marine research activities to be conducted under this proposed permit are a water-dependent use utilizing acoustic, noise-generating equipment such as multi-beam echosounders at frequencies at or below the hearing range of marine mammals. The use of high-energy equipment, such as airguns or water guns, is expressly prohibited under the General Permit.

One candidate site has been selected for potential multibeam sonar surveying. The Applicant identified the survey areas using information in the public domain, including investigations conducted by federal and state agencies, universities, local cities and counties, as well as habitat maps and National Oceanic and Atmospheric Administration (NOAA) navigation charts. The permittee intends to only perform sonar surveying as strictly necessary to analyze potential oil seeps in the survey area.

Surveying impacts as authorized under this permit are expected to be short lived, and the applicant has provided Oil Spill Contingency and Marine Wildlife Contingency Plans to address impacts.

California courts have recognized the collection of data for scientific study on lands subject to the Public Trust as a use consistent with the common law Public Trust Doctrine. (See, e.g., *Marks v. Whitney* (1971) 6 Cal.3d 251, 259-260.) Additionally, California Public Resources Code section 6212.3 expressly permits the Commission to issue permits for geophysical surveys.

The proposed permit contains restrictions to safeguard public rights and environmental resources. Furthermore, all work must be conducted in an environmentally conscientious manner. The sonar surveyor will take all necessary precautions to minimize environmental impacts. In addition, the permit grants non-exclusive use of the permit area to the permittee, and the defined work must be completed within 3 years.

CONCLUSION:

For all the reasons above, staff believe that approving the permit application does not substantially interfere with Public Trust needs and values and is in the best interests of the State. Staff recommend approval of this General Offshore Geophysical Survey Permit.

OTHER PERTINENT INFORMATION:

1. Approval or denial of the application is a discretionary action by the Commission. Each time the Commission approves or rejects the use of sovereign land, it exercises legislatively delegated authority and responsibility as trustee of the State's Public Trust lands as authorized by law. If the Commission denies the application, the Applicant will not be authorized to conduct geophysical surveys on sovereign land. Upon expiration or prior termination of the permit, the applicant has no right to a new permit or to renewal of any previous permit.
2. This action is consistent with the "Meeting Evolving Public Trust Needs" Strategic Focus Area of the Commission's 2021-2025 Strategic Plan.
3. In 2015, the Governor signed [AB 1274](#), codifying Public Resources Code section 6212.3 (geophysical survey permits). AB 1274 affirmed the Commission's authority to issue geophysical permits "subject to terms and conditions as the Commission shall specify to ensure public safety and protection of the environment."
4. Pursuant to the California Environmental Quality Act (CEQA), staff prepared a Mitigated Negative Declaration (MND) identified as CSLC MND No. 751, State Clearinghouse No. 2013072021, and a Mitigation Monitoring Program that were adopted by the Commission on September 20, 2013 ([Item 120, September 20, 2013](#)), for implementation of the Low-Energy Offshore Geophysical Permit Program Update. On April 23, 2014, the Commission adopted an addendum to

the MND prepared by staff, which revised the General Permit and Mitigation Monitoring Program ([Item 67, April 23, 2014](#)).

5. On January 2020, [Article 2.9.1](#) of Title 2 of the California Code of Regulations became effective to accomplish the goals of AB 1274 and establish requirements to ensure that geophysical surveys performed on State sovereign land address and minimize potential impacts to aquatic life or to the environment. The Mitigation Monitoring Program adopted by the Commission and all program parameters are codified into these regulations. Permit issuance requirements, specifically, are detailed in the California Code of Regulations, title 2, sections 2100.04 and 2100.05.
6. This activity involves lands identified as possessing significant environmental values pursuant to Public Resources Code section 6370 et seq. At the time the Commission adopted the MND in 2013, staff concluded that such activity would not affect those significant lands, and the Commission found the activity to be consistent with its use classification pursuant to Public Resources Code section 6370 et seq.

RECOMMENDED ACTION:

It is recommended that the Commission:

CEQA FINDING:

Find that the MND, CSLC MND No. 751, State Clearinghouse No. 2013072021, and a Mitigation Monitoring Program were adopted by the Commission on September 20, 2013; that the addendum to the MND, including a revised General Permit and Mitigation Monitoring Program, was adopted by the Commission on April 23, 2014, pursuant to the provisions of CEQA; that the Commission reviewed and considered the information contained in the previously adopted MND and addendum; and that in the Commission's independent judgment, the scope of activities to be carried out under the permit to be issued under this authorization has been adequately analyzed; that none of the events specified in Public Resources Code section 21166 or State CEQA Guidelines section 15162 has resulted in any new or substantially more severe significant impacts; and, therefore, no additional CEQA analysis is required.

PUBLIC TRUST AND STATE'S BEST INTERESTS:

Find that proposed Permit will not substantially interfere with Public Trust needs and values; is consistent with the common law Public Trust Doctrine; and is in the best interests of the State.

AUTHORIZATION:

Authorize issuance of a non-exclusive General Offshore Geophysical Survey Permit to the Applicant to conduct geophysical surveys for three years, beginning August 21, 2025, to gather geophysical data by conducting multibeam sonar surveys as described in the Permit.