

ADDRESSES: The meeting will be held at the DoubleTree by Hilton Washington, DC—Silver Spring, 8727 Colesville Road, Silver Spring, Maryland 20910. Written comments should be sent via email to bryan.keller@noaa.gov.

Comments may also be sent via mail to Bryan Keller at NMFS, Office of International Affairs, Trade, and Commerce, 1315 East-West Highway, Silver Spring, MD 20910.

FOR FURTHER INFORMATION CONTACT: Bryan Keller, Office of International Affairs, Trade, and Commerce, (202) 897-9208 or at bryan.keller@noaa.gov.

SUPPLEMENTARY INFORMATION: The Advisory Committee to the U.S. Section to ICCAT will meet October 19–20, 2022, first in an open session to consider information on the status of Atlantic highly migratory species and other scientific matters and then in a closed session to discuss sensitive matters related to their conservation and management. The open session will be from 9 a.m. to 12 p.m. on October 19, 2022, including an opportunity for public comment beginning at approximately 11:30 a.m. Comments may also be submitted in writing for the Advisory Committee's consideration. Interested members of the public can submit comments by mail or email; use of email is encouraged. All written comments must be received by October 12, 2022 (see **ADDRESSES**).

NMFS expects members of the public to conduct themselves appropriately at the open session of the Advisory Committee meeting. At the beginning of the public comment session, an explanation of the ground rules will be provided (e.g., alcohol in the meeting room is prohibited, speakers will be called to give their comments in the order in which they registered to speak, each speaker will have an equal amount of time to speak and speakers should not interrupt one another). The session will be structured so that all attending members of the public are able to comment, if they so choose, regardless of the degree of controversy of the subject(s). Those not respecting the ground rules will be asked to leave the meeting.

After the open session, the Advisory Committee will meet in closed session to discuss sensitive information relating to upcoming international negotiations on the conservation and management of Atlantic highly migratory species.

Special Accommodations

The meeting location is physically accessible to people with disabilities. Requests for sign language interpretation or other auxiliary aids

should be directed to Bryan Keller at bryan.keller@noaa.gov at least 5 days prior to the meeting date.

Authority: 16 U.S.C. 971 *et seq.*; 16 U.S.C. 1801 *et seq.*

Dated: September 28, 2022.

Alexa Cole,

Director, Office of International Affairs, Trade, and Commerce, National Marine Fisheries Service.

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DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

[RTID 0648-XC276]

Taking and Importing Marine Mammals; Taking Marine Mammals Incidental to Geophysical Surveys Related to Oil and Gas Activities in the Gulf of Mexico

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

ACTION: Notice of issuance of Letter of Authorization.

SUMMARY: In accordance with the Marine Mammal Protection Act (MMPA), as amended, its implementing regulations, and NMFS' MMPA Regulations for Taking Marine Mammals Incidental to Geophysical Surveys Related to Oil and Gas Activities in the Gulf of Mexico, notification is hereby given that a Letter of Authorization (LOA) has been issued to Anadarko Petroleum Corporation (Anadarko) for the take of marine mammals incidental to geophysical survey activity in the Gulf of Mexico.

DATES: The LOA is effective from October 1, 2022, through April 1, 2023.

ADDRESSES: The LOA, LOA request, and supporting documentation are available online at: www.fisheries.noaa.gov/action/incidental-take-authorization-oil-and-gas-industry-geophysical-survey-activity-gulf-mexico. In case of problems accessing these documents, please call the contact listed below (see **FOR FURTHER INFORMATION CONTACT**).

FOR FURTHER INFORMATION CONTACT: Kim Corcoran, 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 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 authorization for incidental takings 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.

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).

On January 19, 2021, we issued a final rule with regulations to govern the unintentional taking of marine mammals incidental to geophysical survey activities conducted by oil and gas industry operators, and those persons authorized to conduct activities on their behalf (collectively “industry operators”), in Federal waters of the U.S. Gulf of Mexico (GOM) over the course of 5 years (86 FR 5322; January 19, 2021). The rule was based on our findings that the total taking from the specified activities over the 5-year period will have a negligible impact on the affected species or stock(s) of marine mammals and will not have an unmitigable adverse impact on the availability of those species or stocks for subsistence uses. The rule became effective on April 19, 2021.

Our regulations at 50 CFR 217.180 *et seq.* allow for the issuance of LOAs to industry operators for the incidental take of marine mammals during geophysical survey activities and prescribe the permissible methods of

taking and other means of effecting the least practicable adverse impact on marine mammal species or stocks and their habitat (often referred to as mitigation), as well as requirements pertaining to the monitoring and reporting of such taking. Under 50 CFR 217.186(e), issuance of an LOA shall be based on a determination that the level of taking will be consistent with the findings made for the total taking allowable under these regulations and a determination that the amount of take authorized under the LOA is of no more than small numbers.

Summary of Request and Analysis

Anadarko plans to conduct one of the following vertical seismic profile (VSP) survey types: Zero Offset, 2D, or 3D in the vicinity of the Horn Mountain field in the Mississippi Canyon area, around block MC-81. The location is in approximately 3,500 ft (1,067 m) water depth. See Section E of Anadarko's application for a map. Anadarko plans to use either a 12-element, 2,400 cubic inch (in³) airgun array, or a 6-element, 1,500-in³ airgun array. The sound source used will be determined by the survey type that Anadarko ultimately determines that it needs to conduct. Please see Anadarko's application for additional detail.

Consistent with the preamble to the final rule, the survey effort proposed by Anadarko in its LOA request was used to develop LOA-specific take estimates based on the acoustic exposure modeling results described in the preamble (86 FR 5322, 5398; January 19, 2021). In order to generate the appropriate take numbers for authorization, the following information was considered: (1) survey type; (2) location (by modeling zone¹); (3) number of days; and (4) season.² The acoustic exposure modeling performed in support of the rule provides 24-hour exposure estimates for each species, specific to each modeled survey type in each zone and season.

No VSP surveys were included in the modeled survey types, and use of existing proxies (*i.e.*, 2D, 3D NAZ, 3D WAZ, Coil) is generally conservative for use in evaluation of these survey types. Summary descriptions of these modeled survey geometries are available in the preamble to the proposed rule (83 FR 29212, 29220; June 22, 2018). Coil was selected as the best available proxy survey type in this case because the

spatial coverage of the planned survey is most similar to the coil survey pattern. For the planned survey, the seismic source array will be deployed in one of the following forms: Zero Offset VSP—the 1,500-in³ airgun array (hyper cluster) would be suspended at 5 meters (m) of water depth with a crane on one side of the drill ship without the use of a dedicated source vessel; 2D VSP—using a dedicated source vessel, the 2,400-in³ airgun array (dual magnum) would be towed along a straight line; 3D VSP—also using a dedicated source vessel, the dual magnum source would be towed in a spiral pattern, starting around the well, shooting in circles of increasing radius. Only the zero offset option would be stationary. The 3D VSP option is expected to cover the most area, compared with the zero offset and 2D VSP options, with a maximum radius of 7 kilometers (km). (Note that this 7-km radius around the survey location would cover a depth range of approximately 900–1,700 m.) The coil survey pattern in the model was assumed to cover approximately 144 kilometers squared (km²) per day (compared with approximately 795 km², 199 km², and 845 km² per day for the 2D, 3D NAZ, and 3D WAZ survey patterns, respectively). Among the different parameters of the modeled survey patterns (*e.g.*, area covered, line spacing, number of sources, shot interval, total simulated pulses), NMFS considers area covered per day to be most influential on daily modeled exposures exceeding Level B harassment criteria. Although Anadarko is not proposing to perform a survey using the coil geometry, its planned VSP survey is expected to cover only up to a maximum 7-km radius around the platform, meaning that the coil proxy is most representative of the effort planned by Anadarko in terms of predicted Level B harassment exposures.

In addition, all available acoustic exposure modeling results assume use of a 72-element, 8,000 in³ array. Thus, estimated take numbers for this LOA are considered conservative due to differences between the acoustic source planned for use (12 or 6 elements, 2,400 or 1,500 in³) and the proxy array modeled for the rule.

The survey is planned to occur for up to 8 days in Zone 5. The seasonal distribution of survey days is not known in advance. Therefore, the take estimates for each species are based on the season that produces the greater value.

Additionally, for some species, take estimates based solely on the modeling yielded results that are not realistically likely to occur when considered in light

of other relevant information available during the rulemaking process regarding marine mammal occurrence in the GOM. The approach used in the acoustic exposure modeling, in which seven modeling zones were defined over the U.S. GOM, necessarily averages fine-scale information about marine mammal distribution over the large area of each modeling zone. This can result in unrealistic projections regarding the likelihood of encountering particularly rare species and/or species not expected to occur outside particular habitats. Thus, although the modeling conducted for the rule is a natural starting point for estimating take, our rule acknowledged that other information could be considered (see, *e.g.*, 86 FR 5322, 5442 (January 19, 2021), discussing the need to provide flexibility and make efficient use of previous public and agency review of other information and identifying that additional public review is not necessary unless the model or inputs used differ substantively from those that were previously reviewed by NMFS and the public). For this survey, NMFS has other relevant information reviewed during the rulemaking that indicates use of the acoustic exposure modeling to generate a take estimate for certain marine mammal species produces results that are inconsistent with what is known regarding their occurrence in the GOM. Accordingly, we have adjusted the calculated take estimates for those species as described below.

NMFS' final rule described a "core habitat area" for Rice's whales (formerly known as GOM Bryde's whales)³ located in the northeastern GOM in waters between 100–400 m depth along the continental shelf break (Rosel *et al.*, 2016). However, whaling records suggest that Rice's whales historically had a broader distribution within similar habitat parameters throughout the GOM (Reeves *et al.*, 2011; Rosel and Wilcox, 2014). In addition, habitat-based density modeling identified similar habitat (*i.e.*, approximately 100–400 m water depths along the continental shelf break) as being potential Rice's whale habitat (Roberts *et al.*, 2016), although the core habitat area contained approximately 92 percent of the predicted abundance of Rice's whales. See discussion provided at, *e.g.*, 83 FR 29228, 83 FR 29280 (June 22, 2018); 86 FR 5418 (January 19, 2021).

³ The final rule refers to the GOM Bryde's whale (*Balaenoptera edeni*). These whales were subsequently described as a new species, Rice's whale (*Balaenoptera ricei*) (Rosel *et al.*, 2021).

¹ For purposes of acoustic exposure modeling, the GOM was divided into seven zones. Zone 1 is not included in the geographic scope of the rule.

² For purposes of acoustic exposure modeling, seasons include Winter (December–March) and Summer (April–November).

Although Rice's whales may occur outside of the core habitat area, we expect that any such occurrence would be limited to the narrow band of suitable habitat described above (*i.e.*, 100–400 m) and that, based on the few available records, these occurrences would be rare. Anadarko's planned activities will occur in water depths of approximately 900–1,700 m in the eastern central GOM. In addition, although this activity is located further to the east than other survey activities associated with issued LOAs, we considered the maximum duration of 8 days for this survey, which minimizes the potential for encounter with Rice's whales. Thus, NMFS does not expect there to be the reasonable potential for take of Rice's whale in association with this survey and, accordingly, does not authorize take of Rice's whale through this LOA.

Killer whales are the most rarely encountered species in the GOM, typically in deep waters of the central GOM (Roberts *et al.*, 2015; Maze-Foley and Mullin, 2006). As discussed in the final rule, the density models produced by Roberts *et al.* (2016) provide the best available scientific information regarding predicted density patterns of cetaceans in the U.S. GOM. The predictions represent the output of models derived from multi-year observations and associated environmental parameters that incorporate corrections for detection bias. However, in the case of killer whales, the model is informed by few data, as indicated by the coefficient of variation associated with the abundance predicted by the model (0.41, the second-highest of any GOM species model; Roberts *et al.*, 2016). The model's authors noted the expected non-uniform distribution of this rarely-encountered species and expressed that, due to the limited data available to inform the model, it "should be viewed cautiously" (Roberts *et al.*, 2015).

NOAA surveys in the GOM from 1992–2009 reported only 16 sightings of killer whales, with an additional 3 encounters during more recent survey effort from 2017–18 (Waring *et al.*, 2013; www.boem.gov/gomapps). Two other species were also observed on less than 20 occasions during the 1992–2009 NOAA surveys (Fraser's dolphin and false killer whale⁴). However, observational data collected by Protected Species Observers (PSOs) on industry geophysical survey vessels from 2002–2015 distinguish the killer

whale in terms of rarity. During this period, killer whales were encountered on only 10 occasions, whereas the next most rarely encountered species (Fraser's dolphin) was recorded on 69 occasions (Barkaszi and Kelly, 2019). The false killer whale and pygmy killer whale were the next most rarely encountered species, with 110 records each. The killer whale was the species with the lowest detection frequency during each period over which PSO data were synthesized (2002–2008 and 2009–2015). This information qualitatively informed our rulemaking process, as discussed at 86 FR 5322, 5334 (January 19, 2021), and similarly informs our analysis here.

The rarity of encounter during seismic surveys is not likely to be the product of high bias on the probability of detection. Unlike certain cryptic species with high detection bias, such as *Kogia* spp. or beaked whales, or deep-diving species with high availability bias, such as beaked whales or sperm whales, killer whales are typically available for detection when present and are easily observed. Roberts *et al.* (2015) stated that availability is not a major factor affecting detectability of killer whales from shipboard surveys, as they are not a particularly long-diving species. Baird *et al.* (2005) reported that mean dive durations for 41 fish-eating killer whales for dives greater than or equal to 1 minute in duration was 2.3–2.4 minutes, and Hooker *et al.* (2012) reported that killer whales spent 78 percent of their time at depths between 0–10 m. Similarly, Kvadsheim *et al.* (2012) reported data from a study of four killer whales, noting that the whales performed 20 times as many dives to 1–30 m depth than to deeper waters, with an average depth during those most common dives of approximately 3 m.

In summary, killer whales are the most rarely encountered species in the GOM and typically occur only in particularly deep water. While this information is reflected through the density model informing the acoustic exposure modeling results, there is relatively high uncertainty associated with the model for this species, and the acoustic exposure modeling applies mean distribution data over areas where the species is in fact less likely to occur. In addition, as noted above in relation to the general take estimation methodology, the assumed proxy source (72-element, 8,000-in³ array) results in a significant overestimate of the actual potential for take to occur. NMFS' determination in reflection of the information discussed above, which informed the final rule, is that use of the generic acoustic exposure modeling

results for killer whales for this survey would result in estimated take numbers that are inconsistent with the assumptions made in the rule regarding expected killer whale take (86 FR 5322, 5403; January 19, 2021).

In past authorizations, NMFS has often addressed situations involving the low likelihood of encountering a rare species such as killer whales in the GOM through authorization of take of a single group of average size (*i.e.*, representing a single potential encounter). See 83 FR 63268, December 7, 2018. See also 86 FR 29090, May 28, 2021; 85 FR 55645, September 9, 2020. For Anadarko's survey, use of the exposure modeling produces an estimate of three killer whale exposures. Given the foregoing discussion, it is unlikely that even one killer whale would be encountered during this 8-day survey, and accordingly, no take of killer whales is authorized through the LOA.

Based on the results of our analysis, NMFS has determined that the level of taking authorized through the LOA is consistent with the findings made for the total taking allowable under the regulations for the affected species or stocks of marine mammals. See Table 1 in this notice and Table 9 of the rule (86 FR 5322; January 19, 2021).

Small Numbers Determination

Under the GOM rule, NMFS may not authorize incidental take of marine mammals in an LOA if it will exceed "small numbers." In short, when an acceptable estimate of the individual marine mammals taken is available, if the estimated number of individual animals taken is up to, but not greater than, one-third of the best available abundance estimate, NMFS will determine that the numbers of marine mammals taken of a species or stock are small. For more information please see NMFS' discussion of the MMPA's small numbers requirement provided in the final rule (86 FR 5322, 5438; January 19, 2021).

The take numbers for authorization, determined as described above in the Summary of Request and Analysis section, are used by NMFS in making the necessary small numbers determinations through comparison with the best available abundance estimates (see discussion at 86 FR 5322, 5391; January 19, 2021). For this comparison, NMFS' approach is to use the maximum theoretical population, determined through review of current stock assessment reports (SAR; www.fisheries.noaa.gov/national/marine-mammal-protection/marine-mammal-stock-assessments) and model-

⁴ However, note that these species have been observed over a greater range of water depths in the GOM than have killer whales.

predicted abundance information (<https://seamap.env.duke.edu/models/Duke/GOM/>). For the latter, for taxa where a density surface model could be produced, we use the maximum mean

seasonal (*i.e.*, 3-month) abundance prediction for purposes of comparison as a precautionary smoothing of month-to-month fluctuations and in consideration of a corresponding lack of

data in the literature regarding seasonal distribution of marine mammals in the GOM. Information supporting the small numbers determinations is provided in Table 1.

TABLE 1—TAKE ANALYSIS

Species	Authorized take ¹	Abundance ²	Percent abundance
Rice's whale	0	51	3.9
Sperm whale	210	2,207	4.3
<i>Kogia</i> spp	³ 80	4,373	1.8
Beaked whales	929	3,768	24.6
Rough-toothed dolphin	160	4,853	3.3
Bottlenose dolphin	757	176,108	0.4
Clymene dolphin	449	11,895	3.8
Atlantic spotted dolphin	302	74,785	0.4
Pantropical spotted dolphin	2039	102,361	2.0
Spinner dolphin	546	25,114	2.2
Striped dolphin	176	5,229	3.4
Fraser's dolphin	50	1,665	3.9
Risso's dolphin	132	3,764	3.5
Melon-headed whale	295	7,003	4.2
Pygmy killer whale	69	2,126	3.3
False killer whale	111	3,204	3.5
Killer whale	0	267	n/a
Short-finned pilot whale	85	1,981	4.3

¹ Scalar ratios were not applied in this case due to brief survey duration.

² Best abundance estimate. For most taxa, the best abundance estimate for purposes of comparison with take estimates is considered here to be the model-predicted abundance (Roberts *et al.*, 2016). For those taxa where a density surface model predicting abundance by month was produced, the maximum mean seasonal abundance was used. For those taxa where abundance is not predicted by month, only mean annual abundance is available.

³ Includes 4 takes by Level A harassment and 76 takes by Level B harassment.

Based on the analysis contained herein of Anadarko's proposed survey activity described in its LOA application and the anticipated take of marine mammals, NMFS finds that small numbers of marine mammals will be taken relative to the affected species or stock sizes and therefore is of no more than small numbers.

Authorization

NMFS has determined that the level of taking for this LOA request is consistent with the findings made for the total taking allowable under the incidental take regulations and that the amount of take authorized under the LOA is of no more than small numbers. Accordingly, we have issued an LOA to Anadarko authorizing the take of marine mammals incidental to its geophysical survey activity, as described above.

Dated: September 27, 2022.

Kimberly Damon-Randall,

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

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DEPARTMENT OF ENERGY

Environmental Management Site-Specific Advisory Board, Hanford

AGENCY: Office of Environmental Management, Department of Energy.

ACTION: Notice of open in-Person/virtual hybrid meeting: correction.

SUMMARY: On September 23, 2022, the Department of Energy published a notice of open meeting announcing an in-person/virtual hybrid meeting on October 19–20, 2022 of the Environmental Management Site-Specific Advisory Board, Hanford (87 FR 58079). This document makes a correction to that notice.

FOR FURTHER INFORMATION CONTACT: Gary Younger, Federal Coordinator, U.S. Department of Energy, Hanford Office of Communications, Richland Operations Office, P.O. Box 550, Richland, WA 99354; Phone: (509) 372-0923; or Email: gary.younger@rl.doe.gov.

Corrections

In the **Federal Register** of September 23, 2022, in FR Doc. 2022-20647, on page 58079, please make the following correction:

In that notice under **ADDRESSES**, third column, third paragraph, the meeting address has been changed. The original

address was Holiday Inn Richland on the River, 802 George Washington Way, Richland, WA 99352. The new address is Three Rivers Convention Center, 7016 W Grandridge Boulevard, Kennewick, WA 99336. The reason for the correction is the original venue can no longer host the meeting.

Signing Authority

This document of the Department of Energy was signed on September 27, 2022, by Shena Kennerly, Acting Committee Management Officer, pursuant to delegated authority from the Secretary of Energy. That document with the original signature and date is maintained by DOE. For administrative purposes only, and in compliance with requirements of the Office of the Federal Register, the undersigned DOE Federal Register Liaison Officer has been authorized to sign and submit the document in electronic format for publication, as an official document of the Department of Energy. This administrative process in no way alters the legal effect of this document upon publication in the **Federal Register**.