

**MS Average Pricing**

MS pricing is the average price per pound that the C/P Co-op Program will use to determine the fee amount due for that sector. The C/P sector value (V) is calculated by multiplying the retained catch estimates (weight) of Pacific whiting harvested by any vessel registered to a C/P-endorsed limited entry trawl permit by the MS pricing. NMFS has calculated the 2022 MS pricing to be used as a proxy by the CP Co-op Program as: \$0.09/lb for Pacific whiting.

Cost recovery fees are submitted to NMFS by fish buyers via *Pay.gov* (<https://www.pay.gov/>). Fees are only accepted in *Pay.gov* by credit/debit card or bank transfers. Cash or checks cannot be accepted. Fish buyers registered with *Pay.gov* can login in the upper right-hand corner of the screen. Fish buyers not registered with *Pay.gov* can go to the cost recovery forms directly from the website below. The links to the *Pay.gov* forms for each program (IFQ, MS, or C/P) are listed below:

IFQ: <https://www.pay.gov/public/form/start/58062865/>;

MS: <https://www.pay.gov/public/form/start/58378422/>; and

C/P: <https://www.pay.gov/public/form/start/58102817/>.

As stated in the preamble to the cost recovery proposed and final rules, in the spring of each year, NMFS will release an annual report documenting the details and data used for the fee percentage calculations. Annual reports are available at: <https://www.fisheries.noaa.gov/west-coast/sustainable-fisheries/west-coast-groundfish-trawl-catch-share-program#cost-recovery>.

Authority: 16 U.S.C. 1801 *et seq.*, 16 U.S.C. 773 *et seq.*, and 16 U.S.C. 7001 *et seq.*

Dated: November 30, 2021.

**Ngagne Jafnar Gueye,**

Acting Director, Office of Sustainable Fisheries, National Marine Fisheries Service.  
[FR Doc. 2021-26287 Filed 12-2-21; 8:45 am]

**BILLING CODE 3510-22-P**

**DEPARTMENT OF COMMERCE****National Oceanic and Atmospheric Administration**

[RTID 0648-XB596]

**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 January 15, 2022, through July 15, 2022.

**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](http://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 a 4D Time Lapse Seismic Survey, using an airgun array as the sound source, in the vicinity of the Holstein spar in the Green canyon area, and in the vicinity of lease block GC 645. The planned survey is the latest in a time series of 3D narrow azimuth (NAZ) surveys. The array consists of 22 elements, with a total volume of 4,280 cubic inches (in<sup>3</sup>). 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 number for authorization, the following information was considered: (1) Survey type; (2) location (by modeling zone <sup>1</sup>); (3) number of days; and (4) season.<sup>2</sup> 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.

Summary descriptions of available modeled survey geometries (*i.e.*, 2D, 3D NAZ, 3D WAZ, Coil) are available in the preamble to the proposed rule (83 FR 29212, 29220; June 22, 2018). 3D NAZ was selected as the best available proxy survey type because, as noted above, each iteration of the 4D survey is a 3D NAZ survey. The collection of 3D NAZ becomes a 4D "time lapse" once data is put together during the processing stage. Available acoustic exposure modeling results assume use of a 72 element, 8,000 in<sup>3</sup> array. In addition, the modeled 3D NAZ survey geometry assumes a significantly greater area covered per day than is planned to occur during Anadarko's survey. Therefore, in this case, estimated take numbers for this LOA are considered very conservative due to differences in both the airgun array and the survey geometry planned by Anadarko, as compared to those modeled for the rule.

The survey is planned to occur for 34 days in Zone 5. Survey activity is planned to begin in winter but effectiveness dates extend through summer. Therefore, the take estimates

for each species are based on the season that has the greater value for the species (*i.e.*, winter or summer).

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. 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 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.

Rice's whales (formerly known as GOM Bryde's whales)<sup>3</sup> are generally found within a small area in the northeastern GOM in waters between 100–400 meters (m) depth along the continental shelf break (Rosel *et al.*, 2016). 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), and a NOAA survey reported observation of a Rice's whale in the western GOM in 2017 (NMFS, 2018). 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 a "core habitat area" defined in the northeastern GOM (outside the scope of the rule) contained approximately 92 percent of the predicted abundance of Rice's whales. See discussion provided at, *e.g.*, 83 FR 29212, 29228, 29280 (June 22, 2018); 86 FR 5322, 5418 (January 19, 2021).

Although it is possible that Rice's whales may occur outside of their core habitat, NMFS expects that any such occurrence would be limited to the narrow band of suitable habitat described above (*i.e.*, 100–400 m). Anadarko's planned activity will occur in water depths of approximately 1,100–1,400 m in the central GOM. 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). 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. NMFS has determined that the approach results in unrealistic projections regarding the likelihood of encountering killer whales.

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 (as discussed above) 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 three encounters during more recent survey effort from 2017–18 (Waring *et al.*, 2013; [www.boem.gov/gommapps](http://www.boem.gov/gommapps)). Two other species were also observed on less than 20 occasions during the 1992–2009 NOAA surveys (Fraser's dolphin and false killer whale<sup>4</sup>). However, observational data collected by protected species observers (PSOs) on

<sup>1</sup> 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.

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

<sup>3</sup> 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).

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

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, Kvasdheim *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. NMFS’ determination in reflection of the data discussed above, which informed the final rule, is that use of the generic acoustic exposure modeling results for killer whales would result in high 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 the reasons expressed above, NMFS determined that a single encounter of killer whales is more likely than the model-generated estimates and has authorized take associated with a single killer whale group encounter (*i.e.*, up to 7 animals).

Based on the results of our analysis, NMFS has determined that the level of taking authorized for each species in the LOA is consistent with the findings made for the total taking allowable under the regulations. 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 are determined as described above. Subsequently, the total incidents of harassment for each species are multiplied by scalar ratios to produce a derived product that better reflects the number of individuals likely to be taken within a survey (as compared to the total number of instances of take), accounting for the likelihood that some individual marine mammals may be taken on more than one day (see 86 FR 5322, 5404; January 19, 2021). The output of this scaling, where appropriate, is incorporated into an adjusted total take estimate that is the basis for NMFS’ small numbers determination, as depicted in Table 1 for Anadarko’s 34-day survey.

This product is used by NMFS in making the necessary small numbers determination, 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 abundance reports (SAR; [www.fisheries.noaa.gov/national/marine-mammal-protection/marine-mammal-stock-assessments](http://www.fisheries.noaa.gov/national/marine-mammal-protection/marine-mammal-stock-assessments)) and model-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.*, three-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	Scaled take <sup>1</sup>	Abundance <sup>2</sup>	% abundance
Rice’s whale <sup>3</sup>	0	n/a	51	0.0
Sperm whale	1,477	624.7	2,207	28.3
<i>Kogia</i> spp.	<sup>4</sup> 525	164.2	4,373	4.1
Beaked whales	6,779	684.7	3,768	18.2
Rough-toothed dolphin	980	281.15	4,853	5.8
Bottlenose dolphin	5,224	1,499.3	176,108	0.9
Clymene dolphin	3,104	890.82	11,895	7.5
Atlantic spotted dolphin	2,026	581.5	74,785	0.8
Pantropical spotted dolphin	14,085	4,042.5	102,361	3.9
Spinner dolphin	3,774	1,083.2	25,114	4.3

TABLE 1—TAKE ANALYSIS—Continued

Species	Authorized take	Scaled take <sup>1</sup>	Abundance <sup>2</sup>	% abundance
Striped dolphin .....	1,212	347.9	5,229	6.7
Fraser's dolphin .....	338	97.0	1,665	5.8
Risso's dolphin .....	934	275.5	3,764	7.3
Melon-headed whale .....	1,978	583.6	7,003	8.3
Pygmy killer whale .....	426	125.7	2,126	5.9
False killer whale .....	678	200.0	3,204	6.2
Killer whale .....	7	n/a	267	2.6
Short-finned pilot whale .....	572	168.8	1,981	8.5

<sup>1</sup> Scalar ratios were applied to “Authorized Take” values as described at 86 FR 5322, 5404 (January 19, 2021) to derive scaled take numbers shown here.

<sup>2</sup> 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. For the killer whale, the larger estimated SAR abundance estimate is used.

<sup>3</sup> 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).

<sup>4</sup> Includes 13 takes by Level A harassment and 512 takes by Level B harassment. Scalar ratio is applied to takes by Level B harassment only; small numbers determination made on basis of scaled Level B harassment take plus authorized Level A harassment take.

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: November 30, 2021.

**Kimberly Damon-Randall,**

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

[FR Doc. 2021–26311 Filed 12–2–21; 8:45 am]

**BILLING CODE 3510–22–P**

**DEPARTMENT OF COMMERCE**

**National Oceanic and Atmospheric Administration**

**Agency Information Collection Activities; Submission to the Office of Management and Budget (OMB) for Review and Approval; Comment Request; High Seas Fishing Permit Application, Logbook Reporting and Vessel Marking**

The Department of Commerce will submit the following information collection request to the Office of Management and Budget (OMB) for

review and clearance in accordance with the Paperwork Reduction Act of 1995, on or after the date of publication of this notice. We invite the general public and other Federal agencies to comment on proposed, and continuing information collections, which helps us assess the impact of our information collection requirements and minimize the public's reporting burden. Public comments were previously requested via the **Federal Register** on August 19, 2021 during a 60-day comment period. This notice allows for an additional 30 days for public comments.

*Agency:* National Oceanic and Atmospheric Administration (NOAA), Commerce.

*Title:* High Seas Fishing Permit Application, Logbook Reporting and Vessel Marking.

*OMB Control Number:* 0648–0304.

*Form Number(s):* None.

*Type of Request:* Regular [extension of a current information collection].

*Number of Respondents:* 600.

*Average Hours per Response:* Permit application with vessel photo, 30 minutes; request to authorize a fishery on the high seas, 40 hours; transshipment notices and reports, 1 hour; power-down and power-on requests, 10 minutes; observer notification, 5 minutes.

*Total Annual Burden Hours:* 151.

*Needs and Uses:* This request is for extension of a currently approved information collection. United States vessels that fish on the high seas (waters beyond the U.S. exclusive economic zone) are required to possess a permit issued under the High Seas Fishing Compliance Act (HSFCA). Applicants for this permit must submit information to identify their vessels, owners and operators of the vessels, and intended fishing areas.

The application information is used to process permits and to maintain a register of vessels authorized to fish on the high seas. The HSFCA also requires vessels be marked for identification and enforcement purposes. Vessels must be marked in three locations (port and starboard sides of the deckhouse or hull, and on a weather deck) with their official number or radio call sign. These requirements apply to all vessels fishing on the high seas.

*Affected Public:* Business or other for-profit organizations.

*Frequency:* Every five years or on occasion.

*Respondent's Obligation:* Mandatory.

*Legal Authority:* High Seas Fishing Compliance Act.

This information collection request may be viewed at [www.reginfo.gov](http://www.reginfo.gov). Follow the instructions to view the Department of Commerce collections currently under review by OMB.

Written comments and recommendations for the proposed information collection should be submitted within 30 days of the publication of this notice on the following website [www.reginfo.gov/public/do/PRAMain](http://www.reginfo.gov/public/do/PRAMain). Find this particular information collection by selecting “Currently under 30-day Review—Open for Public Comments” or by using the search function and entering either the title of the collection or the OMB Control Number 0648–0304.

**Sheleen Dumas,**

*Department PRA Clearance Officer, Office of the Chief Information Officer, Commerce Department.*

[FR Doc. 2021–26321 Filed 12–2–21; 8:45 am]

**BILLING CODE 3510–22–P**