Alternative 4 would lead to significantly lower harvests of all species and reduce TACs from the upper end of the OY range in the BSAI to its lower end of 1.4 million mt. Overall, this would reduce 2018 TACs by about 30 percent, which would lead to significant reductions in harvests of species by small entities. While reductions of this size would alter the supply, and, therefore, would be associated with offsetting price increases, the size of these associated price increases is uncertain. While production declines in the BSAI would undoubtedly be associated with price increases in the BSAI, these increases would be constrained by production of substitutes, and are unlikely to completely offset revenue declines resulting from reductions in harvests of these species by small entities. Thus, this alternative action would have a detrimental impact on small entities.

Alternative 5, which sets all harvests equal to zero, would have a significant adverse impact on small entities and would be contrary to the requirement for achieving OY on a continuing basis, as mandated by the Magnuson-Stevens Act.

The proposed harvest specifications (Alternative 2) extend the current 2018 OFLs, ABCs, and TACs to 2018 and 2019, with the exceptions for decreases of Pacific cod OFL, ABC, and TAC in the BSAI, the BS and related increases in Atka mackerel, Pacific ocean perch, pollock, and rock sole TAC amounts. As noted in the IRFA, the Council may modify these OFLs, ABCs, and TACs in December 2017, when it reviews the November 2017 SAFE report from its groundfish Plan Team, and the reports of the SSC and AP at the December Council meeting. Because most of the TACs in the proposed 2018 and 2019 harvest specifications are unchanged from the 2018 harvest specification TACs, with the exception of modifications for TACs for five species, and because the sum of all TACs remains within the upper limit of OY for the BSAI of 2.0 million mt, NMFS does not expect adverse impacts on small entities. Also, NMFS does not expect any changes made by the Council in December 2017 to be large enough to have an impact on small entities. This action does not modify recordkeeping or reporting requirements, or duplicate, overlap, or conflict with any Federal rules.

Adverse impacts on marine mammals resulting from fishing activities conducted under these harvest specifications are discussed in the Final EIS (see ADDRESSES), and in the 2017 SIR (https://alaskafisheries.noaa.gov/sites/default/files/sir-2017-18.pdf).

DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

50 CFR Part 679

[Docket No. 170816769–7769–01]

RIN 0648–XF63

Fisheries of the Exclusive Economic Zone Off Alaska; Gulf of Alaska; 2018 and 2019 Harvest Specifications for Groundfish

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

ACTION: Proposed rule; request for comments.

SUMMARY: NMFS proposes 2018 and 2019 harvest specifications, apportionments, and Pacific halibut prohibited species catch limits for the groundfish fishery of the Gulf of Alaska (GOA). This action is necessary to establish harvest limits for groundfish during the 2018 and 2019 fishing years and to accomplish the goals and objectives of the Fishery Management Plan for Groundfish of the Gulf of Alaska. The intended effect of this action is to conserve and manage the groundfish resources in the GOA in accordance with the Magnuson-Stevens Fishery Conservation and Management Act.

DATES: Comments must be received by January 8, 2018.

ADDRESSES: Submit comments on this document, identified by NOAA–NMFS–2017–0107, by either of the following methods:

• Federal e-Rulemaking Portal: Go to www.regulations.gov; #docketDetail;De–NOAA–NMFS–2017–0107, click the “Comment Now!” icon, complete the required fields, and enter or attach your comments.
• Mail: Submit written comments to Glenn Merrill, Assistant Regional
  Administrator, Sustainable Fisheries
  Division, Alaska Region NMFS, Attn:
  Ellen Sebastian. Mail comments to P.O.
  Box 21668, Juneau, AK 99802–1668.

Instructions: NMFS may not consider comments if they are sent by any other
method, to any other address or
individual, or received after the
calendar period ends. All comments
received are a part of the public record,
and NMFS will post the comments for
public viewing on www.regulations.gov
without change. All personal identifying
information (e.g., name, address),
confidential business information, or
otherwise sensitive information
submitted voluntarily by the sender is
publicly accessible. NMFS will accept
anonymous comments (enter “N/A” in
the required fields if you wish to remain
anonymous).

Electronic copies of the Alaska
Groundfish Harvest Specifications Final
Environmental Impact Statement (Final
EIS), Record of Decision (ROD) for the
Final EIS, Supplementary Information
Report (SIR) to the Final EIS, and the
Initial Regulatory Flexibility Analysis
(IRFA) prepared for this action may be
obtained from http://www.regulations.gov
or from the Alaska Region Web site at https://alaska
fisheries.noaa.gov. The final 2016 Stock
Assessment and Fishery Evaluation
(SAFE) report for the groundfish
resources of the GOA, dated November
2016, is available from the North Pacific
Fishery Management Council (Council)
at 605 West 4th Avenue, Suite 206,
Anchorage, AK 99501. phone 907–271–
2809, or from the Council’s Web site at
http://www.npfmc.org. The draft 2017
SAFE report for the GOA will be
available from the same source.

FOR FURTHER INFORMATION CONTACT:

SUPPLEMENTARY INFORMATION: NMFS
manages the GOA groundfish fisheries
in the exclusive economic zone (EEZ) of
the GOA under the Fishery Management
Plan for Groundfish of the Gulf of
Alaska (FMP). The Council prepared the
FMP under the authority of the
Magnuson-Stevens Fishery
Conservation and Management Act
(Magnuson-Stevens Act), 16 U.S.C.
1801, et seq. Regulations governing U.S.
fisheries and implementing the FMP
appear at 50 CFR parts 600, 679, and
680.

The FMP and its implementing
regulations require NMFS, after
consultation with the Council, to
specify the total allowable catch (TAC)
for each target species, the sum of which
must be within the optimum yield (OY)
range of 116,000 to 800,000 metric tons
(mt) (§ 679.20(a)(1)(i)(B)). Section
679.20(c)(1) further requires NMFS to
publish and solicit public comment on
proposed annual TACs and
apportionments thereof, Pacific halibut
prohibited species catch (PSC) limits,
and seasonal allowances of pollock and
Pacific cod. The proposed harvest
specifications in Tables 1 through 19 of
this document satisfy these
requirements. For 2018 and 2019, the
sum of the proposed TAC amounts is
465,832 mt.

Under § 679.20(c)(3), NMFS will
publish the final 2018 and 2019 harvest
specifications after (1) considering
comments received within the calendar
period (see DATES), (2) consulting with
the Council at its December 2017
meeting, (3) considering information
presented in the 2017 SIR that assesses
the need to prepare a Supplemental EIS
(see ADDRESSES), and (4) considering
information presented in the final 2017
SAFE report prepared for the 2018 and
2019 groundfish fisheries.

Other Actions Potentially Affecting the
2018 and 2019 Harvest Specifications

Amendment 106: Reclassify Squid as an
Ecosystem Species

In June 2017, the Council
recommended for Secretarial review
Amendment 106 to the FMP. Amendment
106 would reclassify squid in the FMP
as an “Ecosystem Component Species”
which is a category of non-target species that are
not in need of conservation and
management. Currently, NMFS annually
sets an Overfishing Level (OFL),
Acceptable Biological Catch (ABC), and
TAC for squid in the GOA groundfish
harvest specifications. Under
Amendment 106, OFL, ABC, and TAC
specifications would no longer be
required. Proposed regulations to
implement Amendment 106 would
prohibit directed fishing for squid,
require recordkeeping and reporting to
monitor and report catch of squid
species annually, and establish a squid
maximum retainable amount when
directed fishing for groundfish species
at 20 percent to discourage retention,
while allowing flexibility to prosecute
groundfish fisheries. Further details will
be available on publication of the
proposed rule for Amendment 106. If
Amendment 106 and its implementing
regulations are approved by the
Secretary of Commerce, this action is
anticipated to be effective in 2019. Until
Amendment 106 is effective, NMFS will
continue to publish OFLs, ABCs, and
TACs for squid in the GOA groundfish
harvest specifications.

Proposed ABC and TAC Specifications

In October 2017, the Council, its
Scientific and Statistical Committee
(SSC), and its Advisory Panel (AP)
reviewed the most recent biological and
harvest information about the condition
of groundfish stocks in the GOA. This
information was compiled by the GOA
Groundfish Plan Team (Plan Team) and
presented in the final 2016 SAFE report
for the GOA groundfish fisheries, dated
November 2016 (see ADDRESSES). The
SAFE report contains a review of the
latest scientific analyses and estimates of
each species’ biomass and other
biological parameters, as well as
summaries of the available information
on the GOA ecosystem and the
economic condition of the groundfish
fisheries off Alaska. From these data and
analyses, the Plan Team estimates—and the
SSC sets—an OFL and ABC for each
species or species group. The amounts
proposed for the 2018 and 2019 OFLs
and ABCs are based on the 2016 SAFE
report. The AP and Council recommended that the proposed 2018 and
2019 TACs be set equal to proposed
ABCs for all species and species
groups, with the exception of the species
categories further discussed below. The
proposed OFLs, ABCs, and TACs could
be changed in the final harvest
specifications depending on the most
recent scientific information contained
in the final 2017 SAFE report. The draft
stock assessments that will comprise, in
part, the 2017 SAFE report are available
at http://legistar2.granicus.com/npfmc/
meetings/2017/9/962_A_Groundfish_
Plan_Team_17-09-12_Meeting_
Agenda.pdf.

The Council recommends and NMFS
proposes a reduction in the Pacific cod
OFL, ABC, and TAC levels as compared to
those levels implemented for Pacific
cod in the 2017 and 2018 final GOA
groundfish harvest specifications. The
Council concurred with its SSC’s
recommendation to reduce the Pacific
cod OFL and ABC, as well as its AP’s
recommendation for a corresponding
reduction in the Pacific cod TAC. The
reductions to the Pacific cod OFL, ABC,
and TAC are the result of preliminary
2017 GOA bottom trawl survey data, as
well as other data, that recently became
available to stock assessment scientists.

Based on the results of the 2017 GOA
bottom trawl survey estimates and
preliminary modeling for the Pacific cod
stock assessment, the Pacific cod
biomass and abundance has decreased
significantly since the 2015 GOA bottom
trawl survey. This decrease is corroborated by additional data sets that
appear to support the trawl survey
results associated with a decrease in the
Pacific cod biomass. This information led to the recommended reduction in the proposed 2018 and 2019 Pacific cod OFL and ABC. The SSC opted to recommend a proposed 2018 OFL and ABC based on the average of the current 2018 OFL and ABC amounts and preliminary Tier 5 OFL and ABC amounts provided by the Pacific cod stock assessment author. This precautionary approach provides a strong indication of decreases in the OFL and ABC amounts for the final harvest specifications. However, this was a temporary approach used only for these proposed specifications, and Pacific cod remains in Tier 3a. The SSC also strongly noted that the final 2018 and 2019 harvest specifications for Pacific cod could be even lower than those recommended in the proposed 2018 and 2019 harvest specifications once the stock assessment process has been completed and reviewed by December 2017. The proposed Pacific cod OFL, ABC, and TAC amounts likely will further change once the Pacific cod stock assessment is finalized, reviewed by the Council’s groundfish Plan Team in November, and then subsequently reviewed by the SSC, AP, and Council in December 2017. In addition, as discussed later in this preamble, decreases in Pacific cod OFL, ABC, and TAC could affect seasonal and sector apportionments of Pacific cod TAC and, potentially, apportionments of halibut PSC limit among fisheries.

In November 2017, the Plan Team will update the 2016 SAFE report to include new information collected during 2017, such as NMFS stock surveys, revised stock assessments, and catch data. The Plan Team will compile this information and produce the draft 2017 SAFE report for presentation at the December 2017 Council meeting. At that meeting, the Council will consider information in the draft 2017 SAFE report, recommendations from the November 2017 Plan Team meeting and December 2017 SSC and AP meetings, public testimony, and relevant written public comments in making its recommendations for the final 2018 and 2019 harvest specifications. Pursuant to §679.20(a)(2) and (3), the Council could recommend adjusting the TACs if warranted on the biological condition of groundfish stocks or a variety of socioeconomic considerations, or if required in order to cause the sum to fall within the optimum yield range.

In previous years, the OFLs and ABCs that have had the most significant changes (relative to the amount of assessed tonnage of fish) from the proposed to the final harvest specifications have been for OFLs and ABCs that are based on the most recent NMFS stock surveys. These surveys provide updated estimates of stock biomass and spatial distribution, and changes to the models used for producing stock assessments. NMFS scientists presented updated and new survey results, changes to assessment models, and accompanying stock estimates at the September 2017 Plan Team meeting, and the SSC reviewed this information at the October 2017 Council meeting. The species with possible significant model changes are arrowtooth flounder, Pacific cod, Pacific ocean perch, pollock, and rex sole. Model changes can result in changes to OFLs, ABCs, and TACs.

In November 2017, the Plan Team will consider updated stock assessments for groundfish, which will be included in the draft 2017 SAFE report. If the draft 2017 SAFE report indicates that the stock biomass trend is increasing for a species, then the final 2018 and 2019 harvest specifications for that species may reflect an increase from the proposed harvest specifications. Conversely, if the draft 2017 SAFE report indicates that the stock biomass trend is decreasing for a species, then the final 2018 and 2019 harvest specifications may reflect a decrease from the proposed harvest specifications.

The proposed 2018 and 2019 OFLs, ABCs, and TACs are based on the best available biological and socioeconomic information, including projected biomass trends, information on assumed distribution of stock biomass, and revised methods used to calculate stock biomass. The FMP specifies the formulas, or tiers, to be used to compute OFLs and ABCs. The formulas applicable to a particular stock or stock complex are determined by the level of reliable information available to the fisheries scientists. This information is categorized into a successive series of six tiers to define OFL and ABC amounts, with Tier 1 representing the highest level of information quality available and Tier 6 representing the lowest level of information quality available. The Plan Team used the FMP tier structure to calculate OFLs and ABCs for each groundfish species. The SSC adopted the proposed 2018 and 2019 OFLs and ABCs recommended by the Plan Team for all groundfish species, with the exception of Pacific cod. The Council adopted the SSC’s OFL and ABC recommendations and the AP’s TAC recommendations. These amounts have changed from the final 2018 harvest specifications published in the Federal Register on February 27, 2017 (82 FR 12032) as a result of the recommended decreases to the Pacific cod OFL, ABC, and TAC, as previously discussed.

**Specification and Apportionment of TAG Amounts**

The Council recommended proposed 2018 and 2019 TACs that are equal to proposed ABCs for all species and species groups, with the exception of the Western, Central, and West Yakutat pollock ABC, Pacific cod, shallow-water flatfish in the Western GOA, arrowtooth flounder, flathead sole in the Western and Central GOA, “other rockfish” in Southeast Outside (SEO) District, and Atka mackerel. The combined Western, Central, and West Yakutat pollock TAC is set to account for the State of Alaska’s (State) guideline harvest levels (GHLs) for the State water pollock fishery. Similarly, the Pacific cod TACs are reduced from ABC levels to account for the State’s GHLs for Pacific cod so that the ABCs are not exceeded. The shallow-water flatfish, arrowtooth flounder, and flathead sole TACs are set to allow for increased harvest opportunities for these target species while conserving the halibut PSC limit for use in other fisheries. The “other rockfish” TAC is set to reduce the potential amount of discards of the species in that complex. The Atka mackerel TAC is set to accommodate incidental catch amounts in other fisheries. These reductions are described below.

The proposed 2018 and 2019 Pacific cod TACs are set to accommodate the State’s GHLs for Pacific cod in State waters in the Western and Central Regulatory Areas, as well as in Prince William Sound (PWS). The Plan Team, SSC, AP, and Council recommended that the sum of all State and Federal water Pacific cod removals from the GOA not exceed ABC recommendations. Therefore, the proposed 2018 and 2019 Pacific cod TACs are less than the proposed ABCs by the following amounts: (1) Western GOA, 6,770 mt; (2) Central GOA, 6,868 mt; and (3) Eastern GOA, 1,224 mt. These amounts reflect the sum of the State’s 2018 and 2019 GHLs in these areas, which are 30 percent of the Western GOA proposed ABC, and 25 percent of the Eastern and Central GOA proposed ABCs.

The ABC for the pollock stock in the combined Western, Central, and West Yakutat Regulatory Areas (W/C/WYK) includes the amount for the GHL established by the State for the PWS pollock fishery. The Plan Team, SSC, AP, and Council recommended that the sum of all State and Federal water pollock removals from the GOA not exceed ABC recommendations. For 2018
and 2019, the SSC recommended and the Council approved the W/C/WYK pollock ABC, including the amount to account for the State’s PWS GHL. At the November 2016 Plan Team meeting, State fisheries managers recommended setting the PWS GHL at 2.5 percent of the annual W/C/WYK pollock ABC. For 2018, this yields a PWS pollock GHL of 3,937 mt, a decrease from the 2017 PWS GHL of 5,094 mt. After accounting for PWS GHL, the 2018 and 2019 pollock ABC for the combined W/C/WYK areas is then apportioned between four statistical areas (Areas 610, 620, 630, and 640) as both ABCs and TACs, as described below and detailed in Table 1. The total ABCs and TACs for the four statistical areas, plus the State GHL, do not exceed the combined W/C/WYK ABC. The proposed W/C/WYK 2018 and 2019 pollock ABC is 157,496 mt, and the proposed TAC is 153,559 mt.

NMFS’ proposed apportionments of pollock to the W/C/WYK management areas are considered to be “apportionments of annual catch limit (ACLs)” rather than “ABCs.” This more accurately reflects that such apportionments address management, rather than biological or conservation, concerns. In addition, apportionments of the ACL in this manner allow NMFS to balance any transfer of TAC among Areas 610, 620, and 630 pursuant to § 679.20(a)(5)(iv)(B) to ensure that the area-wide ACL, ABC, and TAC are not exceeded.

NMFS proposes Pacific cod TACs in the Western, Central, and Eastern GOA (see Table 1). NMFS also proposes seasonal apportionment of the Pacific cod TACs in the Western and Central Regulatory Areas. Sixty percent of the annual TAC is apportioned to the A season for hook-and-line, pot, and jig gear from January 1 through June 10, and for trawl gear from January 20 through June 10. Forty percent of the annual TAC is apportioned to the B season for jig gear from June 10 through December 31, for hook-and-line and pot gear from September 1 through December 31, and for trawl gear from September 1 through November 1 (§§ 679.23(d)(2)(i) through (iv), and § 679.20(a)(5)(iv)(A) and (B)). Additional detail is provided below; Table 2 lists these amounts.

NMFS proposes Pacific cod TACs in the Western, Central, and Eastern GOA (§ 679.23(d)(2)(i) through (iv), and § 679.20(a)(5)(iv)(A) and (B)). The Western and Central GOA Pacific cod TACs are allocated among various gear and operational sectors. Additional detail is provided below; Table 3 lists the amounts apportioned to each sector.

The Council’s recommendation for sablefish area apportionments takes into account the prohibition on the use of trawl gear in the SEO District of the Eastern Regulatory Area (§ 679.7(b)(1)) and makes available 5 percent of the combined Eastern Regulatory Area TACs to trawl gear for use as incidental catch in other groundfish fisheries in the WYK District (§ 679.20(a)(4)(ii)). Additional detail is provided below. Tables 4 and 5 list the proposed 2018 and 2019 allocations of the sablefish TAC to fixed gear and trawl gear in the GOA.

For 2018 and 2019, the Council recommends and NMFS proposes the OFLs, ABCs, and TACs listed in Table 1. The proposed ABCs reflect harvest amounts that are less than the specified overfishing levels. Table 1 lists the proposed 2018 and 2019 OFLs, ABCs, TACs, and area apportionments of groundfish in the GOA. These amounts are consistent with the biological condition of groundfish stocks as described in the 2016 SAFE report, and adjusted for other biological and socioeconomic considerations, including maintaining the total TAC within the required OY range. The sum of the proposed TACs for all GOA groundfish is 465,832 mt for 2018 and 2019, which is within the OY range specified by the FMP. These proposed amounts and apportionments by area, season, and sector are subject to change pending consideration of the draft 2017 SAFE report and the Council’s recommendations for the final 2018 and 2019 harvest specifications during its December 2017 meeting.

Table 1—Proposed 2018 and 2019 ABCs, TACs, and OFLs of Groundfish for the Western/Central/West Yakutat, Western, Central, and Eastern Regulatory Areas, and in the West Yakutat, Southeast Outside, and Gulfwide Districts of the Gulf of Alaska

<table>
<thead>
<tr>
<th>Species</th>
<th>Area 1</th>
<th>OFL</th>
<th>ABC</th>
<th>TAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pollock ²</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shumagin (610)</td>
<td>n/a</td>
<td>33,701</td>
<td>33,701</td>
<td></td>
</tr>
<tr>
<td>Chirikof (620)</td>
<td>n/a</td>
<td>76,249</td>
<td>76,249</td>
<td></td>
</tr>
<tr>
<td>Kodiak (630)</td>
<td>n/a</td>
<td>37,818</td>
<td>37,818</td>
<td></td>
</tr>
<tr>
<td>WYK (640)</td>
<td>n/a</td>
<td>5,791</td>
<td>5,791</td>
<td></td>
</tr>
<tr>
<td>W/C/WYK (subtotal)</td>
<td>182,204</td>
<td>157,496</td>
<td>153,559</td>
<td></td>
</tr>
<tr>
<td>SEO (650)</td>
<td>13,226</td>
<td>9,920</td>
<td>9,920</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>195,430</td>
<td>167,416</td>
<td>163,479</td>
<td></td>
</tr>
<tr>
<td>Pacific cod ³</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>n/a</td>
<td>22,565</td>
<td>15,796</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>n/a</td>
<td>27,471</td>
<td>20,603</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>n/a</td>
<td>4,894</td>
<td>3,671</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>67,486</td>
<td>54,930</td>
<td>40,069</td>
<td></td>
</tr>
<tr>
<td>Sablefish ⁴</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>n/a</td>
<td>1,367</td>
<td>1,367</td>
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</tr>
<tr>
<td>C</td>
<td>n/a</td>
<td>4,574</td>
<td>4,574</td>
<td></td>
</tr>
<tr>
<td>WYK</td>
<td>n/a</td>
<td>1,626</td>
<td>1,626</td>
<td></td>
</tr>
<tr>
<td>SEO</td>
<td>n/a</td>
<td>2,640</td>
<td>2,640</td>
<td></td>
</tr>
</tbody>
</table>

[Values are rounded to the nearest metric ton]
<table>
<thead>
<tr>
<th>Species</th>
<th>Area 1</th>
<th>OFL</th>
<th>ABC</th>
<th>TAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>E (WYK and SEO) (subtotal)</td>
<td>n/a</td>
<td>4,266</td>
<td>4,266</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>12,045</td>
<td>10,207</td>
<td>10,207</td>
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<tr>
<td>Shallow-water flatfish</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>n/a</td>
<td>21,042</td>
<td>13,250</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>n/a</td>
<td>19,418</td>
<td>19,418</td>
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</tr>
<tr>
<td>WYK</td>
<td>n/a</td>
<td>3,206</td>
<td>3,206</td>
<td></td>
</tr>
<tr>
<td>SEO</td>
<td>n/a</td>
<td>1,105</td>
<td>1,105</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>54,893</td>
<td>44,771</td>
<td>36,979</td>
<td></td>
</tr>
<tr>
<td>Deep-water flatfish</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>n/a</td>
<td>257</td>
<td>257</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>n/a</td>
<td>3,488</td>
<td>3,488</td>
<td></td>
</tr>
<tr>
<td>WYK</td>
<td>n/a</td>
<td>3,047</td>
<td>3,047</td>
<td></td>
</tr>
<tr>
<td>SEO</td>
<td>n/a</td>
<td>2,590</td>
<td>2,590</td>
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</tr>
<tr>
<td>Total</td>
<td>11,290</td>
<td>9,382</td>
<td>9,382</td>
<td></td>
</tr>
<tr>
<td>Rex sole</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>n/a</td>
<td>1,478</td>
<td>1,478</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>n/a</td>
<td>4,995</td>
<td>4,995</td>
<td></td>
</tr>
<tr>
<td>WYK</td>
<td>n/a</td>
<td>861</td>
<td>861</td>
<td></td>
</tr>
<tr>
<td>SEO</td>
<td>n/a</td>
<td>1,087</td>
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<td></td>
</tr>
<tr>
<td>Total</td>
<td>11,004</td>
<td>8,421</td>
<td>8,421</td>
<td></td>
</tr>
<tr>
<td>Arrowtooth flounder</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>n/a</td>
<td>25,747</td>
<td>14,500</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>n/a</td>
<td>98,895</td>
<td>75,000</td>
<td></td>
</tr>
<tr>
<td>WYK</td>
<td>n/a</td>
<td>34,273</td>
<td>6,900</td>
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</tr>
<tr>
<td>SEO</td>
<td>n/a</td>
<td>11,595</td>
<td>6,900</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>196,635</td>
<td>170,510</td>
<td>103,300</td>
<td></td>
</tr>
<tr>
<td>Flathead sole</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>n/a</td>
<td>11,282</td>
<td>8,650</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>n/a</td>
<td>20,677</td>
<td>15,400</td>
<td></td>
</tr>
<tr>
<td>WYK</td>
<td>n/a</td>
<td>2,998</td>
<td>2,998</td>
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</tr>
<tr>
<td>SEO</td>
<td>n/a</td>
<td>872</td>
<td>872</td>
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</tr>
<tr>
<td>Total</td>
<td>43,872</td>
<td>35,829</td>
<td>27,920</td>
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</tr>
<tr>
<td>Pacific ocean perch</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>n/a</td>
<td>2,627</td>
<td>2,627</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>n/a</td>
<td>16,347</td>
<td>16,347</td>
<td></td>
</tr>
<tr>
<td>WYK</td>
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<td>2,733</td>
<td>2,733</td>
<td></td>
</tr>
<tr>
<td>W/C/WYK</td>
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<td>21,707</td>
<td>21,707</td>
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<tr>
<td>SEO</td>
<td>n/a</td>
<td>1,747</td>
<td>1,747</td>
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<tr>
<td>Total</td>
<td>27,284</td>
<td>23,454</td>
<td>23,454</td>
<td></td>
</tr>
<tr>
<td>Northern rockfish</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>n/a</td>
<td>400</td>
<td>400</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>n/a</td>
<td>3,108</td>
<td>3,108</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>n/a</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>4,175</td>
<td>3,512</td>
<td>3,508</td>
<td></td>
</tr>
<tr>
<td>Shortraker rockfish</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>n/a</td>
<td>38</td>
<td>38</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>n/a</td>
<td>301</td>
<td>301</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>n/a</td>
<td>947</td>
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</tr>
<tr>
<td>Total</td>
<td>1,715</td>
<td>1,286</td>
<td>1,286</td>
<td></td>
</tr>
<tr>
<td>Dusky rockfish</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>n/a</td>
<td>146</td>
<td>146</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>n/a</td>
<td>3,499</td>
<td>3,499</td>
<td></td>
</tr>
<tr>
<td>WYK</td>
<td>n/a</td>
<td>232</td>
<td>232</td>
<td></td>
</tr>
<tr>
<td>SEO</td>
<td>n/a</td>
<td>77</td>
<td>77</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>4,837</td>
<td>3,954</td>
<td>3,954</td>
<td></td>
</tr>
<tr>
<td>Rougheye and blackspotted rockfish</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>n/a</td>
<td>104</td>
<td>104</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>n/a</td>
<td>702</td>
<td>702</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>n/a</td>
<td>512</td>
<td>512</td>
<td></td>
</tr>
</tbody>
</table>
Southeast Outside (Area 650) Districts of the Eastern Regulatory Area, pollock is not divided into seasonal allowances.

The ern Gulf of Alaska has been included in the other rockfish species group.

These apportionments are considered subarea ACLs, rather than ABCs, for specification and reapp ortionment

10 percent for processing by the offshore component. Table 3 lists the proposed 2018 and 2019 Pacific cod seasonal apportionments.

<table>
<thead>
<tr>
<th>Species</th>
<th>Area</th>
<th>OFL</th>
<th>ABC</th>
<th>TAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demersal shelf rockfish</td>
<td>SEO</td>
<td>357</td>
<td>227</td>
<td>227</td>
</tr>
<tr>
<td>Thornyhead rockfish</td>
<td>W</td>
<td>n/a</td>
<td>291</td>
<td>291</td>
</tr>
<tr>
<td>Other rockfish</td>
<td>W/C</td>
<td>n/a</td>
<td>574</td>
<td>574</td>
</tr>
<tr>
<td>Other rockfish</td>
<td>WYK</td>
<td>n/a</td>
<td>3,665</td>
<td>200</td>
</tr>
<tr>
<td>Other rockfish</td>
<td>SEO</td>
<td>n/a</td>
<td>1,534</td>
<td>1,534</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>1,961</td>
<td>1,961</td>
</tr>
<tr>
<td>Atka mackerel</td>
<td>GW</td>
<td>6,200</td>
<td>4,700</td>
<td>3,000</td>
</tr>
<tr>
<td>Big skates</td>
<td>W</td>
<td>n/a</td>
<td>908</td>
<td>908</td>
</tr>
<tr>
<td>Other skates</td>
<td>GW</td>
<td>n/a</td>
<td>2,513</td>
<td>2,513</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>3,814</td>
<td>3,814</td>
</tr>
<tr>
<td>Longnose skates</td>
<td>W</td>
<td>n/a</td>
<td>61</td>
<td>61</td>
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<tr>
<td>Other skates</td>
<td>GW</td>
<td>1,156</td>
<td>1,137</td>
<td>1,137</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>3,206</td>
<td>3,206</td>
</tr>
<tr>
<td>Sculpins</td>
<td>GW</td>
<td>2,558</td>
<td>1,919</td>
<td>1,919</td>
</tr>
<tr>
<td>Sharks</td>
<td>GW</td>
<td>7,338</td>
<td>5,591</td>
<td>5,591</td>
</tr>
<tr>
<td>Squids</td>
<td>GW</td>
<td>6,020</td>
<td>4,514</td>
<td>4,514</td>
</tr>
<tr>
<td>Octopuses</td>
<td>GW</td>
<td>6,504</td>
<td>4,878</td>
<td>4,878</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>682,141</td>
<td>572,710</td>
<td>465,832</td>
</tr>
</tbody>
</table>

1 Regulatory areas and districts are defined at §679.2. (W=Western Gulf of Alaska; C=Central Gulf of Alaska; E=Eastern Gulf of Alaska; WYK=West Yakutat District; SEO=Southeast Outside District; GW=Gulf-wide).

2 The total for the W/C/WYK Regulatory Areas pollock ABC is 157,496 mt. After deducting 2.5 percent (3,937 mt) of that ABC for the State’s pollock GHL fishery, the remaining pollock ABC of 153,559 mt (for the W/C/WYK Regulatory Areas) is apportioned among four statistical areas (Areas 610, 620, 630, and 640). These apportionments are considered subarea ACLs, rather than ABCs, for specification and reappor ーション purposes. The ACLs in Areas 610, 620, and 630 are further divided by season, as detailed in Table 2. In the West Yakutat (Area 640) and Southeast Outside (Area 650) Districts of the Eastern Regulatory Area, pollock is not divided into seasonal allowances.

3 The annual Pacific cod TAC is apportioned 80 percent to the A season and 20 percent to the B season in the Western and Central Regulatory Areas of the GOA. Pacific cod TAC in the Eastern Regulatory Area is allocated 90 percent for processing by the inshore component and 10 percent for processing by the offshore component. Table 3 lists the proposed 2018 and 2019 Pacific cod seasonal apportionments.

4 Sablefish is allocated to fixed and trawl gear in 2018 and trawl gear in 2019. Tables 4 and 5 list the proposed 2018 and 2019 allocations of sablefish TACs.

5 “Shallow-water flatfish” means flatfish not including “deep-water flatfish,” flathead sole, rex sole, or arrowtooth flounder.

6 “Deep-water flatfish” means Dover sole, Greenbank turbot, Kamchatka flounder, and deep-sea sole.

7 “Pacific ocean perch” means Sebastes alutus.

8 “Northern rockfish” means Sebastes polypiscus. For management purposes the 3 mt apportionment of ABC to the WYK District of the Eastern Gulf of Alaska has been included in the other rockfish species group.

9 “Shortraker rockfish” means Sebastes borealis.

10 “Dusky rockfish” means Sebastes variabilis.

11 “Rougheye and blackspotted rockfish” means Sebastes aleutianus (rougheye) and Sebastes melanosticlus (blackspotted).

12 “Demersal shelf rockfish” means Sebastes pinniger (canary), S. nebulosus (china), S. caurinus (copper), S. maliger (quillback), S. helvomaculatus (rosehorn), S. nigrocinclus (tiger), and S. ruberrimus (yelloweye).

13 “Thornyhead rockfish” means Sebastes species.

14 Other rockfish means Sebastes aurora (aurora), S. melanostomus (blackgill), S. paucispinis (bocaccio), S. goodei (chilipepper), S. crameri (darkblotch), S. elongatus (greenstriped), S. variegatus (harlequin), S. wilsoni (pygmy), S. babcocki (redbanded), S. proriger (redstripe), S. zacentrus (barb), S. jordani (shortbelly), S. brevispinis (silvergray), S. diploproa (spiltsole), S. saxicola (stripetail), S. minialis (vermillion), S. reedi (yellowmouth), S. entomelas (widow), and S. flavidus (yellowtail). In the Eastern GOA only, “other rockfish” also includes northern rockfish (S. polypiscus).

15 Other rockfish “in the Western and Central Regulatory Areas and in the West Yakutat District means all rockfish species included in the “other rockfish” and demersal shelf rockfish categories. The “other rockfish” species group in the SEO District only includes other rockfish.

16 “Big skates” means Raja binoculata.

17 “Longnose skates” means Raja rhina.

18 “Other skates” means Bathyraja and Raja spp.
Section 679.20(b)(2) requires NMFS to set aside 20 percent of each TAC for pollock, Pacific cod, flatfish, sculpins, sharks,squids, and octopuses in reserves for possible apportionment at a later date during the fishing year. In 2017, NMFS reapportioned all of the reserves in the final harvest specifications. For 2018 and 2019, NMFS proposes reapportionment of each of the reserves for pollock, Pacific cod, flatfish, sculpins, sharks, squids, and octopuses back into the original TAC from which the reserve was derived. NMFS expects, based on recent harvest patterns, that such reserves are not necessary and the entire TAC for each of these species will be caught. The TACs in Table 1 reflect this proposed reapportionment of reserve amounts for these species and species groups, i.e., each proposed TAC for the above-mentioned species categories contains the full TAC recommended by the Council.

**Proposed Apportionment of Reserves**

In the GOA, pollock is apportioned by season and area, and is further allocated for processing by inshore and offshore components. Pursuant to § 679.20(a)(5)(iv)(B), the annual pollock TAC specified for the Western and Central Regulatory Areas of the GOA is apportioned into four equal seasonal allowances of 25 percent. As established by § 679.23(d)(2)(i) through (iv), the A, B, C, and D season allowances are available from January 20 through March 10, March 10 through May 31, August 25 through October 1, and October 1 through November 1, respectively.

Pollock TACs in the Western and Central Regulatory Areas of the GOA are apportioned among Statistical Areas 610, 620, and 630, pursuant to § 679.20(a)(5)(iv)(A). In the A and B seasons, the apportionments to the Central Regulatory Areas of the GOA are set aside 20 percent of each TAC for pollock, Pacific cod, flatfish, sculpins, sharks, squids, and octopuses in reserves for possible apportionment at a later date during the fishing year. In 2017, NMFS reapportioned all of the reserves in the final harvest specifications. For 2018 and 2019, the Council recommends, and NMFS proposes, following the methodology that was used for the 2017 and 2018 harvest specifications. This methodology averages the winter and summer distribution of pollock in the Central Regulatory Area for the A season instead of using the distribution based on only the winter surveys. The average is intended to reflect the best available information about migration patterns, distribution of pollock, and the performance of the fishery in the area during the A season. For the A season, the apportionment is based on the proposed adjusted estimate of the relative distribution of pollock biomass of approximately 5 percent, 72 percent, and 23 percent in Statistical Areas 610, 620, and 630, respectively. For the B season, the apportionment is based on the relative distribution of pollock biomass of approximately 5 percent, 82 percent, and 13 percent in Statistical Areas 610, 620, and 630, respectively. For the C and D seasons, the apportionment is based on the relative distribution of pollock biomass of approximately 41 percent, 26 percent, and 33 percent in Statistical Areas 610, 620, and 630, respectively. The pollock chapter of the 2016 SAFE report (see ADDRESSES) contains a comprehensive description of the apportionment process and reasons for the minor changes from past apportionments.

Within any fishing year, the amount by which a seasonal allowance is underharvested or overharvested may be added to, or subtracted from, subsequent seasonal allowances in a manner to be determined by the Regional Administrator (§ 679.20(a)(5)(iv)(B)). The rollover amount is limited to 20 percent of the seasonal TAC apportionment for the statistical area. Any unharvested pollock above the 20-percent limit could be further distributed to the subsequent season in other statistical areas, in proportion to the estimated biomass and in an amount no more than 20 percent of the seasonal TAC apportionment in those statistical areas (§ 679.20(a)(5)(iv)(B)). The proposed 2018 and 2019 pollock TACs in the WYK District of 5,791 mt and the SEO District of 9,920 mt are not allocated by season. Section 679.20(a)(6)(i) requires the allocation of 100 percent of the pollock apportionments in all regulatory areas and all seasonal allowances to vessels catching pollock for processing by the inshore component after subtraction of pollock amounts projected by the Regional Administrator to be caught by, or delivered to, the offshore component incidental to directed fishing for other groundfish species. Thus, the amount of pollock available for harvest by vessels harvesting pollock for processing by the offshore component is that amount that will be taken as incidental catch during directed fishing for groundfish species other than pollock, up to the maximum retainable amounts allowed under § 679.20(e) and (f). At this time, these incidental catch amounts of pollock are unknown and will be determined as fishing activity occurs during the fishing year by the offshore component.

Table 2 lists the proposed 2018 and 2019 seasonal biomass distribution of pollock in the Western and Central Regulatory Areas, area apportionments, and seasonal allowances. The amounts of pollock for processing by the inshore and offshore components are not shown. Section 679.20(a)(6)(i) requires the allocation of 100 percent of the pollock TAC in all regulatory areas and all seasonal allowances to vessels catching pollock for processing by the inshore component after subtraction of amounts projected by the Regional Administrator to be caught by, or delivered to, the offshore component incidental to directed fishing for other groundfish species. Thus, the amount of pollock available for harvest by vessels harvesting pollock for processing by the offshore component is that amount that will be taken as incidental catch during directed fishing for groundfish species other than pollock, up to the maximum retainable amounts allowed by § 679.20(e) and (f). The incidental catch amounts of pollock are unknown at this time and will be determined during the 2018 fishing year during the course of fishing activities by the offshore component.
TABLE 2—PROPOSED 2018 AND 2019 DISTRIBUTION OF POLLOCK IN THE CENTRAL AND WESTERN REGULATORY AREAS OF THE GULF OF ALASKA; SEASONAL BIOMASS DISTRIBUTION, AREA APportionMENTS; AND SEASONAL ALLOWANCES OF ANNUAL TAC 1

<table>
<thead>
<tr>
<th>Season (^2)</th>
<th>Shumagin (area 610)</th>
<th>Chirikof (area 620)</th>
<th>Kodiak (area 630)</th>
<th>Total (^3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A (Jan 20–Mar 10) ……..</td>
<td>1,725 (4.67%)</td>
<td>26,704 (72.29%)</td>
<td>8,513 (23.04%)</td>
<td>36,942</td>
</tr>
<tr>
<td>B (Mar 10–May 31) ……..</td>
<td>1,725 (4.67%)</td>
<td>30,469 (82.48%)</td>
<td>4,748 (12.85%)</td>
<td>36,942</td>
</tr>
<tr>
<td>C (Aug 25–Oct 1) ……..</td>
<td>15,125 (40.94%)</td>
<td>9,538 (25.82%)</td>
<td>12,278 (33.24%)</td>
<td>36,942</td>
</tr>
<tr>
<td>D (Oct 1–Nov 1) ……..</td>
<td>15,125 (40.94%)</td>
<td>9,538 (25.82%)</td>
<td>12,278 (33.24%)</td>
<td>36,942</td>
</tr>
<tr>
<td>Annual Total ……..</td>
<td>33,701</td>
<td>76,249</td>
<td>37,818</td>
<td>147,768</td>
</tr>
</tbody>
</table>

\(^1\) Area apportionments and seasonal allowances may not total precisely due to rounding.
\(^2\) As established by § 679.23(d)(2)(i) through (iv), the A, B, C, and D season allowances are available from January 20 through March 10, March 10 through May 31, August 25 through October 1, and October 1 through November 1, respectively. The amounts of pollock for processors (C/Ps) using hook-and-line gear, catcher/processors (C/Ps) using trawl gear, CVs using hook-and-line gear, C/Ps using trawl gear, and vessels using pot gear (§ 679.20(a)(12)(i)(B)). In the Western GOA, the Pacific cod TAC is apportioned seasonally first to vessels using jig gear, and then among CVs using hook-and-line gear, C/Ps using hook-and-line gear, CVs using trawl gear, C/Ps using trawl gear, and vessels using pot gear (§ 679.20(a)(12)(i)(A)).

The overall seasonal apportionments in the Western and Central GOA are 60 percent of the annual Pacific cod TAC to the A season and 40 percent of the annual Pacific cod TAC to the B season. All of these apportionments proposed for 2018 and 2019 incorporate the proposed reduction to the 2018 and 2019 Pacific cod TAC that was recommended by the Council and discussed earlier in the preamble.

Under § 679.20(a)(12)(ii), any overage or underage of the Pacific cod allowance from the A season will be subtracted from, or added to, the subsequent B season allowance. In addition, any portion of the hook-and-line, trawl, pot, or jig sector allocations that is determined by NMFS as likely to go unharvested by a sector may be reallocated to other sectors for harvest during the remainder of the fishing year.

Pursuant to § 679.20(a)(12)(i)(A) and (B), a portion of the annual Pacific cod TACs in the Western and Central GOA will be allocated to vessels with a Federal fisheries permit that use jig gear before TAC is apportioned among other non-jig sectors. In accordance with the FMP, the annual jig sector allocations may increase to up to 6 percent of the annual Western and Central GOA Pacific cod TACs, depending on the annual performance of the jig sector (see Table 1 of Amendment 83 to the FMP). For 2018 and 2019, NMFS proposes that the jig sector receive 2.5 percent of the annual Pacific cod TAC in the Western GOA. This includes a base allocation of 1.5 percent and an additional 1.0 percent because this sector harvested greater than 90 percent of its initial allocations in 2012 and 2014 in the Western GOA. NMFS also proposes that the jig sector receive 1.0 percent of the annual Pacific cod TAC in the Central GOA. This includes a base allocation of 1.0 percent and no additional performance increase. These historical Pacific cod jig allocations, catch, and percent allocation changes are listed in Figure 1.

Proposed Annual and Seasonal Apportionments of Pacific Cod TAC

As explained earlier in the section on “Proposed ABC and TAC Specifications,” the Council recommended reduced Pacific cod OFL, ABC, and TAC amounts as a result of preliminary data indicating a decrease in biomass. The proposed amounts could likely change, including a further decrease, once the 2017 Pacific cod stock assessment is finalized, reviewed by the Council’s groundfish Plan Team in November, and then subsequently reviewed by the SSC, AP, and Council in December 2017. Reductions could impact seasonal and sector apportionments of Pacific cod TAC.

Pursuant to § 679.20(a)(12)(i), NMFS proposes allocations for the 2018 and 2019 Pacific cod TACs in the Western and Central Regulatory Areas of the GOA among gear and operational sectors. NMFS also proposes allocating the 2018 and 2019 Pacific cod TACs annually between the inshore and offshore components in the Eastern Regulatory Area of the GOA (§ 679.20(a)(6)(ii)). In the Central GOA, the Pacific cod TAC is apportioned seasonally first to vessels using jig gear, and then among catcher vessels (CVs) less than 50 feet in length overall using hook-and-line gear, CVs equal to or greater than 50 feet in length overall using hook-and-line gear, catcher-processors (C/Ps) using hook-and-line gear, CVs using trawl gear, C/Ps using trawl gear, and vessels using pot gear (§ 679.20(a)(12)(i)(B)). In the Western GOA, the Pacific cod TAC is apportioned seasonally first to vessels using jig gear, and then among CVs using hook-and-line gear, C/Ps using hook-and-line gear, CVs using trawl gear, C/Ps using trawl gear, and vessels using pot gear (§ 679.20(a)(12)(i)(A)).

The overall seasonal apportionments in the Western and Central GOA are 60 percent of the annual Pacific cod TAC in the Central GOA. This includes a base allocation of 1.0 percent and an additional 0.5 percent because this sector harvested greater than 90 percent of its initial allocations in 2012 and 2014 in the Western GOA. NMFS also proposes that the jig sector receive 2.5 percent of the annual Pacific cod TAC in the Western GOA. This includes a base allocation of 1.5 percent and an additional 1.0 percent because this sector harvested greater than 90 percent of its initial allocations in 2012 and 2014 in the Western GOA. NMFS also proposes that the jig sector receive 1.0 percent of the annual Pacific cod TAC in the Central GOA. This includes a base allocation of 1.0 percent and no additional performance increase. These historical Pacific cod jig allocations, catch, and percent allocation changes are listed in Figure 1.

FIGURE 1—SUMMARY OF WESTERN GOA AND CENTRAL GOA MANAGEMENT AREA PACIFIC COD CATCH BY JIG GEAR IN 2012 THROUGH 2016, AND CORRESPONDING PERCENT ALLOCATION CHANGES

<table>
<thead>
<tr>
<th>Area</th>
<th>Year</th>
<th>Initial percent of TAC</th>
<th>Initial TAC allocation</th>
<th>Catch (mt)</th>
<th>Percent of initial allocation</th>
<th>&gt;90% of initial allocation?</th>
<th>Change to percent allocation</th>
</tr>
</thead>
<tbody>
<tr>
<td>WGOA</td>
<td>2012</td>
<td>1.5</td>
<td>315</td>
<td>322</td>
<td>102</td>
<td>Y</td>
<td>Increase 1.</td>
</tr>
<tr>
<td></td>
<td>2013</td>
<td>2.5</td>
<td>530</td>
<td>273</td>
<td>52</td>
<td>N</td>
<td>None.</td>
</tr>
<tr>
<td></td>
<td>2014</td>
<td>2.5</td>
<td>573</td>
<td>785</td>
<td>137</td>
<td>Y</td>
<td>Increase 1.</td>
</tr>
<tr>
<td></td>
<td>2015</td>
<td>3.5</td>
<td>948</td>
<td>55</td>
<td>6</td>
<td>N</td>
<td>None.</td>
</tr>
</tbody>
</table>
FIGURE 1—SUMMARY OF WESTERN GOA AND CENTRAL GOA MANAGEMENT AREA PACIFIC COD CATCH BY JIG GEAR IN 2012 THROUGH 2016, AND CORRESPONDING PERCENT ALLOCATION CHANGES—Continued

<table>
<thead>
<tr>
<th>Area</th>
<th>Year</th>
<th>Initial percent of TAC</th>
<th>Initial TAC allocation</th>
<th>Catch (mt)</th>
<th>Percent of initial allocation</th>
<th>&gt;90% of initial allocation?</th>
<th>Change to percent allocation</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGOA</td>
<td>2016</td>
<td>3.5</td>
<td>992</td>
<td>52</td>
<td>5</td>
<td>N</td>
<td>Decrease 1.</td>
</tr>
<tr>
<td></td>
<td>2012</td>
<td>1.0</td>
<td>427</td>
<td>400</td>
<td>94</td>
<td>Y</td>
<td>Increase 1.</td>
</tr>
<tr>
<td></td>
<td>2013</td>
<td>2.0</td>
<td>740</td>
<td>202</td>
<td>27</td>
<td>N</td>
<td>None.</td>
</tr>
<tr>
<td></td>
<td>2014</td>
<td>2.0</td>
<td>797</td>
<td>262</td>
<td>33</td>
<td>N</td>
<td>None.</td>
</tr>
<tr>
<td></td>
<td>2015</td>
<td>1.0</td>
<td>460</td>
<td>355</td>
<td>77</td>
<td>N</td>
<td>None.</td>
</tr>
<tr>
<td></td>
<td>2016</td>
<td>1.0</td>
<td>370</td>
<td>267</td>
<td>72</td>
<td>N</td>
<td>None.</td>
</tr>
</tbody>
</table>

NMFS will re-evaluate the annual 2017 harvest performance of jig sector in the Western and Central Management areas when the 2017 fishing year is complete to determine whether to change the jig sector allocations proposed by this action in conjunction with the final 2018 and 2019 harvest specifications. The current catch through November 2017 by the Western GOA jig sector indicates that the Pacific cod allocation percentage to this sector would probably decrease by 1 percent in 2018 (from 2.5 percent to 1.5 percent). Also, the current catch by the Central GOA jig sector indicates that this sector’s Pacific cod allocation percentage would not change in 2018, and would remain at 1 percent. The jig sector allocations for the Western and Central GOA are further apportioned between the A (60 percent) and B (40 percent) seasons (§ 679.20(a)(12)(i) and § 679.23(d)(3)(iii)).

Table 3 lists the seasonal apportionments and allocations of the proposed 2018 and 2019 Pacific cod TACs.

TABLE 3—PROPOSED 2018 AND 2019 SEASONAL APPORTIONMENTS AND ALLOCATIONS OF PACIFIC COD TOTAL ALLOWABLE CATCH AMOUNTS IN THE GOA; ALLOCATIONS IN THE WESTERN GOA AND CENTRAL GOA SECTORS, AND THE EASTERN GOA FOR PROCESSING BY THE INSHORE AND OFFSHORE COMPONENTS

<table>
<thead>
<tr>
<th>Regulatory area and sector</th>
<th>Annual allocation (mt)</th>
<th>A season</th>
<th>B season</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sector percentage of annual non-jig TAC</td>
<td>Seasonal allowances (mt)</td>
<td>Sector percentage of annual non-jig TAC</td>
</tr>
<tr>
<td>Western GOA:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jig (2.5% of TAC)</td>
<td>395</td>
<td>237</td>
<td>N/A</td>
</tr>
<tr>
<td>Hook-and-line CV</td>
<td>216</td>
<td>108</td>
<td>0.70</td>
</tr>
<tr>
<td>Hook-and-line C/P</td>
<td>3,049</td>
<td>1,679</td>
<td>10.90</td>
</tr>
<tr>
<td>Trawl CV</td>
<td>5,914</td>
<td>4,266</td>
<td>27.70</td>
</tr>
<tr>
<td>Trawl C/P</td>
<td>370</td>
<td>139</td>
<td>0.90</td>
</tr>
<tr>
<td>Pot CV and Pot C/P</td>
<td>5,852</td>
<td>3,049</td>
<td>19.80</td>
</tr>
<tr>
<td>Total</td>
<td>15,796</td>
<td>9,477</td>
<td>60.00</td>
</tr>
<tr>
<td>Central GOA:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jig (1.0% of TAC)</td>
<td>206</td>
<td>124</td>
<td>N/A</td>
</tr>
<tr>
<td>Hook-and-line &lt;50 CV</td>
<td>2,978</td>
<td>1,900</td>
<td>9.32</td>
</tr>
<tr>
<td>Hook-and-line ≥50 CV</td>
<td>1,368</td>
<td>1,144</td>
<td>5.61</td>
</tr>
<tr>
<td>Hook-and-line C/P</td>
<td>1,041</td>
<td>838</td>
<td>4.11</td>
</tr>
<tr>
<td>Trawl CV</td>
<td>4,842</td>
<td>4,311</td>
<td>21.13</td>
</tr>
<tr>
<td>Trawl C/P</td>
<td>856</td>
<td>409</td>
<td>2.00</td>
</tr>
<tr>
<td>Pot CV and Pot C/P</td>
<td>5,671</td>
<td>3,637</td>
<td>17.83</td>
</tr>
<tr>
<td>Total</td>
<td>20,603</td>
<td>12,362</td>
<td>60.00</td>
</tr>
<tr>
<td>Eastern GOA:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inshore (90% of Annual TAC)</td>
<td>3,671</td>
<td>3,303</td>
<td>367</td>
</tr>
</tbody>
</table>

1 Trawl vessels participating in Rockfish Program cooperatives receive 3.81 percent, or 785 mt, of the annual Central GOA Pacific cod TAC. This apportionment percentage is specified in Table 28c to 50 CFR part 679. This apportionment is deducted from the Trawl CV B season allowance (see Table 8: Apportionments of Rockfish Secondary Species in the Central GOA).
Proposed Allocations of the Sablefish TACs Amounts to Vessels Using Fixed Gear and Trawl Gear

Sections 679.20(a)(4)(i) and (ii) require allocations of sablefish TACs for each of the regulatory areas and districts to fixed and trawl gear. In the Western and Central Regulatory Areas, 80 percent of each TAC is allocated to fixed gear, and 20 percent of each TAC is allocated to trawl gear. In the Eastern Regulatory Area, 95 percent of the TAC is allocated to fixed gear and 5 percent is allocated to trawl gear. The trawl gear allocation in the Eastern Regulatory Area may only be used to support incidental catch of sablefish in directed fisheries for other target species (§ 679.20(a)(4)(ii)).

In recognition of the prohibition against trawl gear in the SEO District, the Council recommended and NMFS proposes the allocation of 5 percent of the combined Eastern Regulatory Area sablefish TAC to trawl gear in the WYK District, making the remainder of the WYK sablefish TAC available to vessels using fixed gear. NMFS proposes to allocate 100 percent of the sablefish TAC in the SEO District to vessels using fixed gear. This action results in a proposed 2018 allocation of 213 mt to trawl gear and 1,413 mt to fixed gear in the WYK District, a proposed 2018 allocation of 2,640 mt to fixed gear in the SEO District, and a 2019 allocation of 213 mt to trawl gear in the WYK District. Table 4 lists the allocations of the proposed 2018 sablefish TACs to fixed and trawl gear. Table 5 lists the allocations of the proposed 2019 sablefish TACs to trawl gear.

The Council recommended that the trawl sablefish TAC be established for 2 years so that retention of incidental catch of sablefish by trawl gear could commence in January in the second year of the groundfish harvest specifications. Tables 4 and 5 list the 2018 and 2019 trawl allocations, respectively.

The Council recommended that the fixed gear sablefish TAC be established annually to ensure that the sablefish IFQ fishery is conducted concurrently with the halibut IFQ fishery and is based on the most recent survey information. Since there is an annual assessment for sablefish and the final harvest specifications are expected to be published before the IFQ season begins (typically, in early March), the Council recommended that the fixed gear sablefish TAC be set annually, rather than for 2 years, so that the best available scientific information could be considered in establishing the sablefish ABCs and TACs. Accordingly, Table 4 lists the 2018 fixed gear allocations, and the 2019 fixed gear allocations will be in the proposed 2019 and 2020 harvest specifications.

With the exception of the trawl allocations that are provided to the Rockfish Program cooperatives (see Table 28c to 50 CFR part 679), directed fishing for sablefish with trawl gear is closed during the fishing year. Also, fishing for groundfish with trawl gear is prohibited prior to January 20. Therefore, it is not likely that the sablefish allocation to trawl gear would be reached before the effective date of the final 2018 and 2019 harvest specifications.

### Table 4—Proposed 2018 Sablefish Total Allowable Catch (TAC) in the Gulf of Alaska and Allocations to Fixed and Trawl Gear

<table>
<thead>
<tr>
<th>Area/district</th>
<th>TAC</th>
<th>Fixed gear allocation</th>
<th>Trawl allocation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Western</td>
<td>1,367</td>
<td>1,094</td>
<td>273</td>
</tr>
<tr>
<td>Central</td>
<td>4,574</td>
<td>3,659</td>
<td>915</td>
</tr>
<tr>
<td>West Yakutat</td>
<td>1,626</td>
<td>1,413</td>
<td>213</td>
</tr>
<tr>
<td>Southeast Outside</td>
<td>2,640</td>
<td>2,640</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>10,207</td>
<td>8,806</td>
<td>1,402</td>
</tr>
</tbody>
</table>

1 The trawl allocation to the Central Regulatory Area is further reduced by the sablefish apportioned to the Rockfish Program cooperatives (471 mt). See Table 8: Apportionments of Rockfish Secondary Species in the Central GOA. This results in 444 mt being available for the non-Rockfish Program trawl fisheries.

2 The proposed trawl allocation is based on allocating 5 percent of the combined Eastern Regulatory Area (West Yakutat and Southeast Outside Districts combined) sablefish TAC to trawl gear in the West Yakutat District.

### Table 5—Proposed 2019 Sablefish Total Allowable Catch (TAC) in the Gulf of Alaska and Allocation to Trawl Gear

<table>
<thead>
<tr>
<th>Area/district</th>
<th>TAC</th>
<th>Fixed gear allocation</th>
<th>Trawl allocation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Western</td>
<td>1,367</td>
<td>n/a</td>
<td>273</td>
</tr>
<tr>
<td>Central</td>
<td>4,574</td>
<td>n/a</td>
<td>915</td>
</tr>
<tr>
<td>West Yakutat</td>
<td>1,626</td>
<td>n/a</td>
<td>213</td>
</tr>
<tr>
<td>Southeast Outside</td>
<td>2,640</td>
<td>n/a</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>10,207</td>
<td>n/a</td>
<td>1,402</td>
</tr>
</tbody>
</table>

1 The Council recommended that harvest specifications for the fixed gear sablefish Individual Fishing Quota fisheries be limited to 1 year.

2 The trawl allocation to the Central Regulatory Area is further reduced by the sablefish apportioned to the Rockfish Program cooperatives (471 mt). See Table 8: Apportionments of Rockfish Secondary Species in the Central GOA. This results in 444 mt being available for the non-Rockfish Program trawl fisheries.

3 The proposed trawl allocation is based on allocating 5 percent of the combined Eastern Regulatory Area (West Yakutat and Southeast Outside Districts combined) sablefish TAC to trawl gear in the West Yakutat District.
Proposed Apportionments to the Rockfish Program

These proposed 2018 and 2019 harvest specifications for the GOA include the fishery cooperative allocations and sideboard limitations established by the Rockfish Program. Program participants are primarily trawl CVs and trawl C/Ps, with limited participation by vessels using longline gear. The Rockfish Program assigns quota share and cooperative quota to participants for primary (Pacific ocean perch, northern rockfish, and dusky rockfish) and secondary species (Pacific cod, rougheye rockfish, sablefish, shortraker rockfish, and thornyhead rockfish), allows a participant holding a license limitation program (LLP) license with rockfish quota share to form a rockfish cooperative with other persons, and allows holders of C/P LLP licenses to opt out of the fishery. The Rockfish Program also has an entry level fishery for rockfish primary species for vessels using longline gear. Longline gear includes hook-and-line, jig, troll, and handline gear.

Under the Rockfish Program, rockfish primary species in the Central GOA are allocated to participants after deducting for incidental catch needs in other directed groundfish fisheries (§679.81(a)(2)). Participants in the Rockfish Program also receive a portion of the Central GOA TAC of specific secondary species. Besides groundfish species, the Rockfish Program allocates a portion of the halibut PSC limit (191 mt) from the third season deep-water species fishery allowance for the GOA to Rockfish Program participants (§679.81(d) and Table 28d to 50 CFR part 679). Rockfish Program sideboards and halibut PSC limits are discussed later in this rule.

Also, the Rockfish Program establishes sideboard limits to restrict the ability of harvesters that operate under the Rockfish Program to increase their participation in other, non-Rockfish Program fisheries. These restrictions are discussed in a subsequent section titled “Rockfish Program Groundfish Sideboard and Halibut PSC Limitations.”

Section 679.81 requires allocations of rockfish primary species to the entry level longline fishery in the Central Gulf of Alaska.

Section 679.81(a)(2)(i) and Table 28e to 50 CFR part 679 requires allocations of 5 mt of Pacific ocean perch, 5 mt of northern rockfish, and 50 mt of dusky rockfish to the entry level longline fishery in 2018 and 2019. The allocation for the entry level longline fishery may increase incrementally each year if the catch exceeds 90 percent of the allocation of a species. The incremental increase in the allocation would continue each year until it is the maximum percentage of the TAC for that species. In 2017, the allocation for dusky rockfish increased by 20 mt, from 30 mt, to 50 mt. In 2017, the catch for all three primary species did not exceed 90 percent of any allocated rockfish species. Therefore, NMFS is not proposing any increases to the entry level longline fishery 2018 and 2019 allocations in the Central GOA. The remainder of the TACs for the rockfish primary species would be allocated to the CV and C/P cooperatives. Table 6 lists the allocations of the proposed 2018 and 2019 TACs for each rockfish primary species to the entry level longline fishery, the incremental increase for future years, and the maximum percentage of the TAC for the entry level longline fishery.

### Table 6—Proposed 2018 and 2019 Allocations of Rockfish Primary Species to the Entry Level Longline Fishery in the Central Gulf of Alaska

<table>
<thead>
<tr>
<th>Rockfish primary species</th>
<th>2018 and 2019 allocations</th>
<th>Incremental increase in 2019 if ≥90 percent of 2018 allocation is harvested</th>
<th>Up to maximum percent of each TAC of:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pacific ocean perch</td>
<td>5 metric tons</td>
<td>5 metric tons</td>
<td>1</td>
</tr>
<tr>
<td>Northern rockfish</td>
<td>5 metric tons</td>
<td>5 metric tons</td>
<td>2</td>
</tr>
<tr>
<td>Dusky rockfish</td>
<td>50 metric tons</td>
<td>20 metric tons</td>
<td>5</td>
</tr>
</tbody>
</table>

Section 679.81 requires allocations of rockfish primary species among various sectors of the Rockfish Program. Table 7 lists the proposed 2018 and 2019 allocations of rockfish primary species in the Central GOA to the entry level longline fishery, and rockfish CV and C/P cooperatives in the Rockfish Program. NMFS also proposes setting aside incidental catch amounts (ICAs) for other directed fisheries in the Central GOA of 3,500 mt of Pacific ocean perch, 300 mt of northern rockfish, and 250 mt of dusky rockfish. These amounts are based on recent average incidental catches in the Central GOA by other groundfish fisheries.

Allocations among vessels belonging to CV or C/P cooperatives are not included in these proposed harvest specifications. Rockfish Program applications for CV cooperatives and C/P cooperatives are not due to NMFS until March 1 of each calendar year; therefore, NMFS cannot calculate 2018 and 2019 allocations in conjunction with these proposed harvest specifications. NMFS will post these allocations on the Alaska Region Web site at http://alaskafisheries.noaa.gov/fisheries/central-goa-rockfish-program when they become available after March 1.

### Table 7—Proposed 2018 and 2019 Allocations of Rockfish Primary Species in the Central Gulf of Alaska to the Entry Level Longline Fishery and Rockfish Cooperatives in the Rockfish Program

[Values are rounded to the nearest metric ton]

<table>
<thead>
<tr>
<th>Rockfish primary species</th>
<th>TAC</th>
<th>Incidental catch allowance (ICA)</th>
<th>TAC minus ICA</th>
<th>Allocation to the entry level longline 1 fishery</th>
<th>Allocation to the Rockfish Cooperatives 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pacific ocean perch</td>
<td>16,347</td>
<td>3,500</td>
<td>12,847</td>
<td>5</td>
<td>12,842</td>
</tr>
<tr>
<td>Northern rockfish</td>
<td>3,108</td>
<td>300</td>
<td>2,808</td>
<td>5</td>
<td>2,803</td>
</tr>
<tr>
<td>Dusky rockfish</td>
<td>3,499</td>
<td>250</td>
<td>3,249</td>
<td>50</td>
<td>3,199</td>
</tr>
</tbody>
</table>
Table 7—Proposed 2018 and 2019 allocations of rockfish primary species in the Central Gulf of Alaska to the entry level longline fishery and rockfish cooperatives in the rockfish program—Continued

<table>
<thead>
<tr>
<th>Rockfish primary species</th>
<th>TAC</th>
<th>Incidental catch allowance (ICA)</th>
<th>TAC minus ICA</th>
<th>Allocation to the entry level longline</th>
<th>Allocation to the Rockfish Cooperatives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>22,954</td>
<td>4,050</td>
<td>18,904</td>
<td>60</td>
<td>18,844</td>
</tr>
</tbody>
</table>

1 Longline gear includes hook-and-line, jig, troll, and handline gear (§ 679.2).
2 Rockfish cooperatives include vessels in CV and C/P cooperatives (§ 679.81).

Section 679.81(c) and Table 28c to 50 CFR part 679 requires allocations of rockfish secondary species to CV and C/P cooperatives in the Central GOA. CV cooperatives receive allocations of Pacific cod, sablefish from the trawl gear allocation, and thornyhead rockfish. C/P cooperatives receive allocations of sablefish from the trawl allocation, rougheye rockfish, shortraker rockfish, and thornyhead rockfish. Table 8 lists the apportionments of the proposed 2018 and 2019 TACs of rockfish secondary species in the Central GOA to CV and C/P cooperatives.

Table 8—Proposed 2018 and 2019 apportionments of rockfish secondary species in the Central GOA to catcher vessel and catcher/processor cooperatives

<table>
<thead>
<tr>
<th>Rockfish secondary species</th>
<th>Central GOA annual TAC</th>
<th>Catcher Vessel cooperatives</th>
<th>Catcher/Processor cooperatives</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Percentage of TAC</td>
<td>Apportionment (mt)</td>
<td>Percentage of TAC</td>
</tr>
<tr>
<td>Pacific cod</td>
<td>20,603</td>
<td>3.81</td>
<td>785</td>
</tr>
<tr>
<td>Sablefish</td>
<td>4,574</td>
<td>6.78</td>
<td>310</td>
</tr>
<tr>
<td>Shortraker rockfish</td>
<td>301</td>
<td>0.0</td>
<td>0</td>
</tr>
<tr>
<td>Rougheye rockfish</td>
<td>702</td>
<td>0.0</td>
<td>0</td>
</tr>
<tr>
<td>Thornyhead rockfish</td>
<td>988</td>
<td>7.64</td>
<td>77</td>
</tr>
</tbody>
</table>

Halibut PSC Limits

Section 679.21(d) establishes annual halibut PSC limit apportionments to trawl and hook-and-line gear, and authorizes the establishment of apportionments for pot gear. In October 2017, the Council recommended halibut PSC limits of 1,706 mt for trawl gear, 257 mt for hook-and-line gear, and 9 mt for the demersal shelf rockfish (DSR) fishery in the SEO District.

The DSR fishery in the SEO District is defined at § 679.21(d)(2)(ii)(A). This fishery is apportioned 9 mt of the halibut PSC limit in recognition of its small-scale harvests of groundfish. NMFS estimates low halibut bycatch in the DSR fishery because (1) the duration of the DSR fisheries and the gear soak times are short, (2) the DSR fishery occurs in the winter when there is less overlap in the distribution of DSR and halibut, and (3) the directed commercial DSR fishery has a low DSR TAC. The Alaska Department of Fish and Game sets the commercial GHL for the DSR fishery after deducting (1) estimates of DSR incidental catch in all fisheries (including halibut and subsistence); and (2) the allocation to the DSR sport fish fishery. Of the 227 mt TAC for DSR in 2017, 77 mt were available for the DSR commercial directed fishery, of which 36 mt were harvested.

The FMP authorizes the Council to exempt specific gear from the halibut PSC limits. NMFS, after consultation with the Council, proposes to exempt pot gear, jig gear, and the sablefish IFQ hook-and-line gear fishery categories from the non-trawl halibut PSC limit for 2018 and 2019. The Council recommended, and NMFS is proposing, these exemptions because (1) pot gear fisheries have low annual halibut bycatch mortality; (2) IFQ program regulations prohibit discard of halibut if any halibut IFQ permit holder on board a CV holds unused halibut IFQ for that vessel category and the IFQ regulatory area in which the vessel is operating (§ 679.7(f)(11)); 3) some sablefish IFQ permit holders hold halibut IFQ permits and are therefore required to retain the halibut they catch while fishing sablefish IFQ; and 4) NMFS estimates negligible halibut mortality for the jig gear fisheries. NMFS estimates halibut mortality is negligible in the jig gear fisheries given the small amount of groundfish harvested by jig gear, the selective nature of jig gear, and the high survival rates of halibut caught and released with jig gear.

The best available information on estimated halibut bycatch consists of data collected by fisheries observers during 2017. The calculated halibut bycatch mortality through October 12, 2017, is 1,018 mt for trawl gear and 119 mt for hook-and-line gear for a total halibut mortality of 1,137 mt. This halibut mortality was calculated using groundfish and halibut catch data from the NMFS Alaska Region’s catch accounting system. This accounting system contains historical and recent catch information compiled from each Alaska groundfish fishery.

Section 679.21(d)(4)(i) and (ii) authorizes NMFS to seasonally apportion the halibut PSC limits after consultation with the Council. The FMP and regulations require that the Council and NMFS consider the following information in seasonally apportioning halibut PSC limits: (1) Seasonal distribution of halibut, (2) seasonal distribution of target groundfish species relative to halibut distribution, (3) expected halibut bycatch needs on a seasonal basis relative to changes in halibut biomass and expected catch of target groundfish species, (4) expected bycatch rates on a seasonal basis, (5) expected changes in directed groundfish fishing seasons, (6) expected actual start of fishing effort, and (7) economic effects of establishing seasonal halibut allocations on segments of the target.
Section 679.21(d)(3)(iii) authorizes further apportionment of the trawl halibut PSC limit as bycatch allowances to trawl fishery categories listed in §679.21(d)(3)(iii). The annual apportionments are based on each category’s proportional share of the anticipated halibut bycatch mortality during a fishing year and optimization of the total amount of groundfish harvest under the halibut PSC limit. The fishery categories for the trawl halibut PSC limits are (1) a deep-water species fishery, composed of sablefish, rockfish, deep-water flatfish, rex sole, and arrowtooth flounder; and (2) a shallow-water species fishery, composed of pollock, Pacific cod, shallow-water flatfish, flathead sole, Atka mackerel, and “other species” (sculpins, sharks, squids, and octopuses) (§679.21(d)(3)(iii)). Halibut mortality incurred while directed fishing for skates with trawl gear accrues towards the shallow-water fishery halibut PSC limit (69 FR 26320, May 12, 2004).

As discussed previously in this preamble, the proposed Pacific cod TAC recommended by the Council is substantially less than the 2018 TAC published in the final 2017 and 2018 harvest specifications (82 FR 12032, February 27, 2017). If the proposed TAC or a lower TAC is adopted as the final TAC for 2018 and 2019, this reduced TAC could result in the Council adjusting the apportionment of halibut PSC limits between the shallow-water and deep-water species fisheries to reflect the potential for decreased effort in the shallow-water fisheries in 2018 and 2019 due the decrease in the Pacific cod TAC. The potential for decreased effort in the shallow-water species fishery could allow the deep-water species fishery to receive additional apportionments of the trawl halibut PSC limit. This adjustment could be made during the final harvest specifications process, pending any public comment, Council discussion, and Council recommendations for a change during the December 2017 Council meeting.

NMFS will combine available trawl halibut PSC limit apportionments in part of the second season deep-water and shallow-water fisheries for use in either fishery from May 15 through June 30 (§679.21(d)(4)(iii)(D)). This is intended to maintain groundfish harvest while minimizing halibut bycatch by these sectors to the extent practicable. This provides the deep-water and shallow-water trawl fisheries additional flexibility and the incentive to participate in fisheries at times of the year that may have lower halibut PSC rates relative to other times of the year.

<table>
<thead>
<tr>
<th>Season</th>
<th>Shallow-water</th>
<th>Deep-water</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 20–April 1</td>
<td>384</td>
<td>85</td>
<td>469</td>
</tr>
<tr>
<td>April 1–July 1</td>
<td>85</td>
<td>256</td>
<td>341</td>
</tr>
<tr>
<td>July 1–September 1</td>
<td>171</td>
<td>341</td>
<td>512</td>
</tr>
<tr>
<td>September 1–October 1</td>
<td>128</td>
<td>Any remainder</td>
<td>128</td>
</tr>
<tr>
<td>Subtotal, January 20–October 1</td>
<td>768</td>
<td>682</td>
<td>1,450</td>
</tr>
<tr>
<td>October 1–December 31 2</td>
<td></td>
<td></td>
<td>256</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>1,706</td>
</tr>
</tbody>
</table>

1 Vessels participating in cooperatives in the Rockfish Program will receive 191 mt of the third season (July 1 through September 1) deepwater species fishery halibut PSC apportionment.
2 There is no apportionment between trawl shallow-water and deep-water species fisheries during the fifth season (October 1 through December 31).

Section 679.21(d)(2) requires that the “other hook-and-line fishery” halibut PSC limit apportionment to vessels using hook-and-line gear must be divided between CVs and C/Ps. NMFS must calculate the halibut limit apportionments for the entire GOA to hook-and-line CVs and C/Ps in accordance with §679.21(d)(2)(iiii) in conjunction with these harvest specifications. A comprehensive description and example of the calculations necessary to apportion the “other hook-and-line fishery” halibut PSC limit between the hook-and-line CV and C/P sectors were included in the proposed rule to implement Amendment 83 to the FMP (76 FR 44700, July 26, 2011) and are not repeated here.

For 2018 and 2019, NMFS proposes annual halibut PSC limit apportionments of 129 mt and 128 mt to the hook-and-line CV and hook-and-line C/P sectors, respectively. The 2018 and 2019 annual halibut PSC limits are divided into three seasonal apportionments, using seasonal percentages of 86 percent, 2 percent, and 12 percent. Table 11 lists the proposed 2018 and 2019 annual halibut PSC limits and seasonal apportionments between the hook-and-line CV and hook-and-line C/P sectors in the GOA.

No later than November 1 year, any halibut PSC limit allocated under §679.21(d)(2)(ii)(B) not projected by the Regional Administrator to be used by one of the hook-and-line sectors during the remainder of the fishing year will be made available to the other sector.

NMFS calculates the projected unused amount of halibut PSC limit by either the CV hook-and-line or the C/P hook-and-line sectors of the “other hook-and-line fishery” for the remainder of the year. The projected unused amount of halibut PSC limit is made available to the other hook-and-line sector for the remainder of that fishing year if NMFS determines that an additional amount of halibut PSC limit is necessary for that sector to continue its directed fishing operations (§679.21(d)(2)(iii)(C)).


<table>
<thead>
<tr>
<th>&quot;Other than DSR&quot; allowance</th>
<th>Hook-and-line sector</th>
<th>Sector annual amount</th>
<th>Season</th>
<th>Seasonal percentage</th>
<th>Sector seasonal amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>257</td>
<td>Catcher Vessel</td>
<td>129</td>
<td>January 1–June 10</td>
<td>86</td>
<td>111</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>June 10–September 1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>September 1–December 31</td>
<td>12</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Catcher/Processor</td>
<td>128</td>
<td>January 1–June 10</td>
<td>86</td>
<td>110</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>June 10–September 1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>September 1–December 31</td>
<td>12</td>
<td>15</td>
</tr>
</tbody>
</table>

Halibut Discard Mortality Rates

To monitor halibut bycatch mortality allowances and apportionments, the Regional Administrator uses observed halibut incidental catch rates, halibut discard mortality rates (DMRs), and estimates of groundfish catch to project when a fishery’s halibut bycatch mortality allowance or seasonal apportionment is reached. Halibut incidental catch rates are based on observers’ estimates of halibut incidental catch in the groundfish fishery. DMRs are estimates of the proportion of incidentally caught halibut that do not survive after being returned to the sea. The cumulative halibut mortality that accrues to a particular halibut PSC limit is the product of a DMR multiplied by the estimated halibut PSC. DMRs are estimated using the best scientific information available in conjunction with the annual GOA stock assessment process. The DMR methodology and findings are included as an appendix to the annual GOA groundfish SAFE report.

In 2016, the DMR estimation methodology underwent revisions per the Council’s directive. An interagency halibut working group (International Pacific Halibut Commission, Council, and NMFS staff) developed improved estimation methods that have undergone review by the Plan Team, SSC, and the Council. A summary of the revised methodology is contained in the GOA proposed 2017 and 2018 harvest specifications (81 FR 87881, December 6, 2016), and the comprehensive discussion of the working group’s
statistical methodology is available from the Council (see ADDRESSES). The DMR working group’s revised methodology is intended to improve estimation accuracy, as well as transparency and transferability in the methodology used for calculating DMRs. Future DMRs may change based on additional years of observer sampling, which could provide more recent and accurate data and which could improve the accuracy of estimation and progress on methodology. The new methodology will continue to ensure that NMFS is using DMRs that more accurately reflect halibut mortality, which will inform the different sectors of their estimated halibut mortality and allow specific sectors to respond with methods that could reduce mortality and, eventually, the DMR for that sector.

At the December 2016 meeting, the SSC, AP, and Council concurred with the revised DMR estimation methodology, and NMFS adopted the DMRs calculated under the revised methodology for the 2017 and 2018 harvest specifications. In October 2017, the Council recommended adopting the halibut DMRs derived from the 2016 process for the proposed 2018 and 2019 DMRs. The proposed 2018 and 2019 DMRs maintain the 2016 process using an updated 3-year reference period of 2014 through 2016. The proposed DMR for catcher vessels using hook-and-line gear increased to 17 percent from 12 percent, and the proposed DMR for trawl catcher vessels operating in the Rockfish Program decreased to 62 percent from 67 percent. Other sectors had minor increases of 3 percent or less. Table 12 lists the proposed 2018 and 2019 DMRs.

**TABLE 12—PROPOSED 2018 AND 2019 HALIBUT DISCARD MORTALITY RATES FOR VESSELS FISHING IN THE GULF OF ALASKA**

[Values are percent of halibut assumed to be dead]

<table>
<thead>
<tr>
<th>Gear</th>
<th>Sector</th>
<th>Groundfish fishery</th>
<th>Halibut discard mortality rate (percent)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pelagic trawl</td>
<td>Catcher vessel</td>
<td>All</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Catcher/processor</td>
<td>All</td>
<td>100</td>
</tr>
<tr>
<td>Non-pelagic trawl</td>
<td>Catcher vessel</td>
<td>Rockfish Program</td>
<td>62</td>
</tr>
<tr>
<td>Hook-and-line</td>
<td>Catcher vessel</td>
<td>All others</td>
<td>67</td>
</tr>
<tr>
<td></td>
<td>Mothership and catcher/processor</td>
<td>All</td>
<td>84</td>
</tr>
<tr>
<td></td>
<td>Catcher/processor</td>
<td>All</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>Catcher vessel</td>
<td>All</td>
<td>7</td>
</tr>
</tbody>
</table>

**Chinook Salmon Prohibited Species Catch Limit**

Amendment 93 to the FMP (77 FR 42629, July 20, 2012) established separate Chinook salmon PSC limits in the Western and Central GOA in the directed pollock trawl fishery. These limits require NMFS to close the pollock directed fishery in the Western and Central regulatory areas of the GOA if the applicable Chinook salmon PSC limit is reached (§ 679.21(h)(8)). The annual Chinook salmon PSC limits in the pollock directed fishery of 6,684 salmon in the Western GOA and 18,316 salmon in the Central GOA are set in § 679.21(h)(2)(i) and (ii).

Amendment 97 to the FMP (79 FR 71350, December 2, 2014) established an initial annual PSC limit of 7,500 Chinook salmon for the non-pollock groundfish trawl fisheries in the Western and Central GOA. This limit is apportioned among three sectors: 3,600 Chinook salmon to trawl C/Ps; 1,200 Chinook salmon to trawl CVs participating in the Rockfish Program; and 2,700 Chinook salmon to trawl CVs not participating in the Rockfish Program (§ 679.21(h)(4)). NMFS will monitor the Chinook salmon PSC in the non-pollock GOA groundfish fisheries and close an applicable sector if it reaches its Chinook salmon PSC limit.

The Chinook salmon PSC limit for two sectors, trawl C/Ps and trawl CVs not participating in the Rockfish Program, may be increased in subsequent years based on the performance of these two sectors and their ability to minimize their use of their respective Chinook salmon PSC limits. If either or both of these sectors limit its use of Chinook salmon PSC to a certain threshold amount in 2017 (3,120 for trawl C/Ps and 2,340 for trawl CVs), that sector will receive an incremental increase to its 2018 Chinook salmon PSC limit (4,080 for trawl C/Ps and 3,060 for trawl CVs) (§ 679.21(h)(4)).

Section 679.64 establishes groundfish harvesting and processing sideboard limits on AFA C/Ps and CVs in the GOA. These sideboard limits are necessary to protect the interests of fishermen and processors who receive exclusive harvesting and processing privileges under the AFA. Section 679.7(k)(1)(i) prohibits listed AFA C/Ps from harvesting any species of fish in the GOA. Additionally, § 679.7(k)(1)(iv) prohibits listed AFA C/Ps from processing any pollock harvested in a directed pollock fishery in the GOA and any groundfish harvested in Statistical Area 630 of the GOA.

AFA CVs that are less than 125 ft (38.1 meters) length overall, have annual landings of pollock in the Bering Sea and Aleutian Islands of less than 5,100 mt, and have made at least 40 landings of GOA groundfish from 1995 through 1997 are exempt from GOA CV groundfish sideboard limits under § 679.64(b)(2)(ii). Sideboard limits for non-exempt AFA CVs in the GOA are based on their traditional harvest levels.
of TAC in groundfish fisheries covered by the FMP. Section 679.64(b)(3)(iv) establishes for CVs the groundfish sideboard limitations in the GOA based on the retained catch of non-exempt AFA CVs of each sideboard species from 1995 through 1997 divided by the TAC for that species over the same period. Table 13 lists the proposed 2018 and 2019 groundfish sideboard limits for non-exempt AFA CVs. NMFS will deduct all targeted or incidental catch of sideboard species made by non-exempt AFA CVs from the sideboard limits listed in Table 13.

**Table 13—Proposed 2018 and 2019 GOA Non-Exempt American Fisheries Act Catcher Vessel (CV) Groundfish Sideboard Limits**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pollock</td>
<td>A Season January 20–March 10.</td>
<td>Shumagin (610)</td>
<td>0.6047</td>
<td>1,725</td>
<td>1,043</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chirikof (620)</td>
<td>0.1167</td>
<td>26,704</td>
<td>3,116</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kodiak (630)</td>
<td>0.2028</td>
<td>8,513</td>
<td>1,726</td>
</tr>
<tr>
<td></td>
<td>B Season March 10–May 31.</td>
<td>Shumagin (610)</td>
<td>0.6047</td>
<td>1,725</td>
<td>1,043</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chirikof (620)</td>
<td>0.1167</td>
<td>30,469</td>
<td>3,556</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kodiak (630)</td>
<td>0.2028</td>
<td>4,748</td>
<td>963</td>
</tr>
<tr>
<td></td>
<td>C Season August 25–October 1.</td>
<td>Shumagin (610)</td>
<td>0.6047</td>
<td>15,125</td>
<td>9,146</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chirikof (620)</td>
<td>0.1167</td>
<td>9,538</td>
<td>1,113</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kodiak (630)</td>
<td>0.2028</td>
<td>12,278</td>
<td>2,490</td>
</tr>
<tr>
<td></td>
<td>D Season October 1–November 1.</td>
<td>Shumagin (610)</td>
<td>0.6047</td>
<td>15,125</td>
<td>9,146</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chirikof (620)</td>
<td>0.1167</td>
<td>9,538</td>
<td>1,113</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kodiak (630)</td>
<td>0.2028</td>
<td>12,278</td>
<td>2,490</td>
</tr>
<tr>
<td></td>
<td>Annual</td>
<td>WYK (640)</td>
<td>0.3495</td>
<td>5,791</td>
<td>2,024</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SEO (650)</td>
<td>0.3495</td>
<td>9,920</td>
<td>3,467</td>
</tr>
<tr>
<td>Pacific cod</td>
<td>A Season 1 January 1–June 10.</td>
<td>W</td>
<td>0.1331</td>
<td>9,477</td>
<td>1,261</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0692</td>
<td>12,362</td>
<td>855</td>
</tr>
<tr>
<td></td>
<td>B Season 2 September 1–December 31</td>
<td>W</td>
<td>0.1331</td>
<td>6,318</td>
<td>841</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0692</td>
<td>8,241</td>
<td>570</td>
</tr>
<tr>
<td></td>
<td>Annual</td>
<td>E inshore</td>
<td>0.0079</td>
<td>3,303</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td></td>
<td>W</td>
<td>0.0000</td>
<td>273</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0642</td>
<td>915</td>
<td>59</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.0433</td>
<td>213</td>
<td>9</td>
</tr>
<tr>
<td>Sablefish</td>
<td>Annual</td>
<td>W</td>
<td>0.0156</td>
<td>13,250</td>
<td>207</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0587</td>
<td>19,418</td>
<td>1,140</td>
</tr>
<tr>
<td>Flatfish, shallow-water</td>
<td>Annual</td>
<td>W</td>
<td>0.0126</td>
<td>4,511</td>
<td>54</td>
</tr>
<tr>
<td>Flatfish, deep-water</td>
<td>Annual</td>
<td>W</td>
<td>0.0007</td>
<td>1,478</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0384</td>
<td>4,995</td>
<td>192</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.0029</td>
<td>1,948</td>
<td>6</td>
</tr>
<tr>
<td>Rex sole</td>
<td>Annual</td>
<td>W</td>
<td>0.0021</td>
<td>14,500</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0280</td>
<td>75,000</td>
<td>2,100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.0002</td>
<td>13,800</td>
<td>3</td>
</tr>
<tr>
<td>Arrowtooth flounder</td>
<td>Annual</td>
<td>W</td>
<td>0.0036</td>
<td>8,650</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0213</td>
<td>15,400</td>
<td>328</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.0009</td>
<td>3,870</td>
<td>3</td>
</tr>
<tr>
<td>Pacific ocean perch</td>
<td>Annual</td>
<td>W</td>
<td>0.0023</td>
<td>2,627</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0746</td>
<td>16,247</td>
<td>1,223</td>
</tr>
<tr>
<td>Northern rockfish</td>
<td>Annual</td>
<td>W</td>
<td>0.0003</td>
<td>400</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0277</td>
<td>3,108</td>
<td>86</td>
</tr>
<tr>
<td>Shortraker rockfish</td>
<td>Annual</td>
<td>W</td>
<td>0.0000</td>
<td>38</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0218</td>
<td>301</td>
<td>7</td>
</tr>
<tr>
<td>Dusky Rockfish</td>
<td>Annual</td>
<td>W</td>
<td>0.0011</td>
<td>947</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0001</td>
<td>146</td>
<td>0</td>
</tr>
<tr>
<td>Roughey rockfish</td>
<td>Annual</td>
<td>W</td>
<td>0.0000</td>
<td>3,499</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0067</td>
<td>309</td>
<td>2</td>
</tr>
<tr>
<td>Demersal shelf rockfish</td>
<td>Annual</td>
<td>W</td>
<td>0.0000</td>
<td>104</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0237</td>
<td>702</td>
<td>17</td>
</tr>
<tr>
<td>Thornyhead rockfish</td>
<td>Annual</td>
<td>W</td>
<td>0.0124</td>
<td>512</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0020</td>
<td>227</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.0280</td>
<td>291</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.0280</td>
<td>682</td>
<td>19</td>
</tr>
</tbody>
</table>
## TABLE 13—PROPOSED 2018 AND 2019 GOA NON-EXEMPT AMERICAN FISHERIES ACT CATCHER VESSEL (CV) GROUNDFISH SIDEBOARD LIMITS—Continued

[Values are rounded to the nearest metric ton]

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Other Rockfish</td>
<td>Annual</td>
<td>W/C</td>
<td>0.1699</td>
<td>1,534</td>
<td>261</td>
</tr>
<tr>
<td>Atka mackerel</td>
<td>Annual</td>
<td>Gulfwide</td>
<td>0.0000</td>
<td>774</td>
<td>0</td>
</tr>
<tr>
<td>Big skates</td>
<td>Annual</td>
<td>W</td>
<td>0.0309</td>
<td>3,000</td>
<td>93</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0063</td>
<td>908</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.0063</td>
<td>1,850</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,056</td>
<td>7</td>
</tr>
<tr>
<td>Longnose skates</td>
<td>Annual</td>
<td>W</td>
<td>0.0063</td>
<td>61</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0063</td>
<td>2,513</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.0063</td>
<td>632</td>
<td>4</td>
</tr>
<tr>
<td>Other skates</td>
<td>Annual</td>
<td>Gulfwide</td>
<td>0.0063</td>
<td>1,919</td>
<td>12</td>
</tr>
<tr>
<td>Sculpins</td>
<td>Annual</td>
<td>Gulfwide</td>
<td>0.0063</td>
<td>5,591</td>
<td>35</td>
</tr>
<tr>
<td>Sharks</td>
<td>Annual</td>
<td>Gulfwide</td>
<td>0.0063</td>
<td>4,514</td>
<td>28</td>
</tr>
<tr>
<td>Squids</td>
<td>Annual</td>
<td>Gulfwide</td>
<td>0.0063</td>
<td>1,137</td>
<td>7</td>
</tr>
<tr>
<td>Octopuses</td>
<td>Annual</td>
<td></td>
<td>0.0063</td>
<td>4,878</td>
<td>31</td>
</tr>
</tbody>
</table>

1 The Pacific cod A season for trawl gear does not open until January 20.
2 The Pacific cod B season for trawl gear closes November 1.
3 The Western and Central GOA area apportionments of pollock are considered ACLs.

### Non-Exempt AFA Catcher Vessel Halibut PSC Sideboard Limits

The halibut PSC sideboard limits for non-exempt AFA CVs in the GOA are based on the aggregate retained groundfish catch by non-exempt AFA CVs in each PSC target category from 1995 through 1997 divided by the retained catch of all vessels in that fishery from 1995 through 1997 (§ 679.64(b)(4)(ii)). Table 14 lists the proposed 2018 and 2019 non-exempt AFA CV halibut PSC limits for vessels using trawl gear in the GOA.

## TABLE 14—PROPOSED 2018 AND 2019 NON-EXEMPT AMERICAN FISHERIES ACT CATCHER VESSEL HALIBUT PROHIBITED SPECIES CATCH (PSC) SIDEBOARD LIMITS FOR VESSELS USING TRAWL GEAR IN THE GOA

[PSC limits are rounded to the nearest metric ton]

<table>
<thead>
<tr>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>January 20–April 1</td>
<td>shallow-water</td>
<td>0.340</td>
<td>384</td>
<td>131</td>
</tr>
<tr>
<td>2</td>
<td>April 1–July 1</td>
<td>deep-water</td>
<td>0.070</td>
<td>85</td>
<td>6</td>
</tr>
<tr>
<td>3</td>
<td>July 1–September 1</td>
<td>shallow-water</td>
<td>0.340</td>
<td>85</td>
<td>29</td>
</tr>
<tr>
<td>4</td>
<td>September 1–October 1</td>
<td>deep-water</td>
<td>0.340</td>
<td>171</td>
<td>58</td>
</tr>
<tr>
<td>5</td>
<td>October 1–December 31</td>
<td>all targets</td>
<td>0.205</td>
<td>256</td>
<td>52</td>
</tr>
<tr>
<td>Annual:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total shallow-water</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>262</td>
</tr>
<tr>
<td>Total deep-water</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>48</td>
</tr>
<tr>
<td>Grand Total, all seasons and categories.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,706</td>
</tr>
</tbody>
</table>

### Non-AFA Crab Vessel Groundfish Sideboard Limits

Section 680.22 establishes groundfish sideboard limits for vessels with a history of participation in the Bering Sea snow crab fishery to prevent these vessels from using the increased flexibility provided by the Crab Rationalization Program to expand their level of participation in the GOA groundfish fisheries. Sideboard harvest limits restrict these vessels’ catch to their collective historical landings in each GOA groundfish fishery (except the fixed-gear sablefish fishery). Sideboard limits also apply to landings made using an LLP license derived from the history of a restricted vessel, even if that LLP license is used on another vessel.
The basis for these sideboard harvest limits is described in detail in the final rules implementing the major provisions of the Crab Rationalization Program, including Amendments 18 and 19 to the Fishery Management Plan for Bering Sea/Aleutian Islands King and Tanner Crabs (Crab FMP) (70 FR 10174, March 2, 2005). Amendment 34 to the Crab FMP (76 FR 35772, June 20, 2011), Amendment 83 to the GOA FMP (76 FR 74670, December 1, 2011), and Amendment 45 to the Crab FMP (80 FR 28539, May 19, 2015).

Table 15 lists the proposed 2018 and 2019 groundfish sideboard limitations for non-AFA crab vessels. All targeted or incidental catch of sideboard species made by non-AFA crab vessels or associated LLP licenses will be deducted from these sideboard limits.

**TABLE 15—PROPOSED 2018 AND 2019 GOA NON-AMERICAN FISHERIES ACT CRAB VESSEL GROUNDFISH SIDEBOARD LIMITS**

[Values are rounded to the nearest metric ton]

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pollock</td>
<td>A Season</td>
<td>Shumagin (610)</td>
<td>0.0098</td>
<td>1,725</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>January 20–March 10</td>
<td>Chirikof (620)</td>
<td>0.0031</td>
<td>26,704</td>
<td>83</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kodiak (630)</td>
<td>0.0002</td>
<td>8,513</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>B Season</td>
<td>Shumagin (610)</td>
<td>0.0098</td>
<td>1,725</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>March 10–May 31</td>
<td>Chirikof (620)</td>
<td>0.0031</td>
<td>30,469</td>
<td>94</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kodiak (630)</td>
<td>0.0002</td>
<td>4,748</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>C Season</td>
<td>Shumagin (610)</td>
<td>0.0098</td>
<td>15,125</td>
<td>148</td>
</tr>
<tr>
<td></td>
<td>August 25–October 1</td>
<td>Chirikof (620)</td>
<td>0.0031</td>
<td>51,538</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kodiak (630)</td>
<td>0.0002</td>
<td>12,278</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>D Season</td>
<td>Shumagin (610)</td>
<td>0.0098</td>
<td>15,125</td>
<td>148</td>
</tr>
<tr>
<td></td>
<td>October 1–November 1</td>
<td>Chirikof (620)</td>
<td>0.0031</td>
<td>9,538</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kodiak (630)</td>
<td>0.0002</td>
<td>12,278</td>
<td>2</td>
</tr>
<tr>
<td>Pacific cod</td>
<td>A Season¹</td>
<td>W Jig CV</td>
<td>0.0097</td>
<td>9,477</td>
<td>945</td>
</tr>
<tr>
<td></td>
<td></td>
<td>W Hook-and-line CV</td>
<td>0.0978</td>
<td>9,477</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td></td>
<td>W Trawl CV</td>
<td>0.0007</td>
<td>9,477</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C Jig CV</td>
<td>0.0000</td>
<td>12,362</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C Hook-and-line CV</td>
<td>0.0001</td>
<td>12,362</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C Pot CV</td>
<td>0.0474</td>
<td>12,362</td>
<td>586</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C Pot C/P</td>
<td>0.0136</td>
<td>12,362</td>
<td>168</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C Trawl CV</td>
<td>0.0012</td>
<td>12,362</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>B Season²</td>
<td>W Jig CV</td>
<td>0.0000</td>
<td>6,318</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>September 1–December 31</td>
<td>W Hook-and-line CV</td>
<td>0.0004</td>
<td>6,318</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>W Pot CV</td>
<td>0.0997</td>
<td>6,318</td>
<td>630</td>
</tr>
<tr>
<td></td>
<td></td>
<td>W Pot C/P</td>
<td>0.0078</td>
<td>6,318</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td></td>
<td>W Trawl CV</td>
<td>0.0007</td>
<td>6,318</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>G Jig CV</td>
<td>0.0000</td>
<td>8,241</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>G Hook-and-line CV</td>
<td>0.0001</td>
<td>8,241</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>G Pot C/P</td>
<td>0.0136</td>
<td>8,241</td>
<td>112</td>
</tr>
<tr>
<td></td>
<td></td>
<td>G Trawl CV</td>
<td>0.0012</td>
<td>8,241</td>
<td>10</td>
</tr>
<tr>
<td>Sablefish</td>
<td>Annual, trawl gear</td>
<td>W</td>
<td>0.0000</td>
<td>273</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0000</td>
<td>915</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.0000</td>
<td>231</td>
<td>36</td>
</tr>
<tr>
<td>Flatfish, shallow-water</td>
<td>Annual</td>
<td>W</td>
<td>0.0059</td>
<td>13,250</td>
<td>78</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0001</td>
<td>19,418</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.0000</td>
<td>4,311</td>
<td>2</td>
</tr>
<tr>
<td>Flatfish, deep-water</td>
<td>Annual</td>
<td>W</td>
<td>0.0035</td>
<td>257</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0000</td>
<td>3,488</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.0000</td>
<td>5,637</td>
<td>1</td>
</tr>
<tr>
<td>Rex sole</td>
<td>Annual</td>
<td>W</td>
<td>0.0000</td>
<td>1,478</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0000</td>
<td>4,995</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.0000</td>
<td>1,948</td>
<td>6</td>
</tr>
<tr>
<td>Arrowtooth flounder</td>
<td>Annual</td>
<td>W</td>
<td>0.0004</td>
<td>14,500</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0001</td>
<td>75,000</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.0000</td>
<td>13,800</td>
<td>8</td>
</tr>
<tr>
<td>Flathead sole</td>
<td>Annual</td>
<td>W</td>
<td>0.0002</td>
<td>8,650</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0004</td>
<td>15,400</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.0000</td>
<td>3,870</td>
<td>6</td>
</tr>
</tbody>
</table>
The Rockfish Program establishes three classes of sideboard provisions: CV groundfish sideboard restrictions, C/P rockfish sideboard restrictions, and C/P opt-out vessel sideboard restrictions (§ 679.82(e)(1)). These sideboards are intended to limit the ability of rockfish harvesters to expand into other fisheries.

CVs participating in the Rockfish Program may not participate in directed fishing for dusky rockfish, northern rockfish, and Pacific ocean perch in the Western GOA and West Yakutat Districts from July 1 through July 31. Also, CVs may not participate in directed fishing for arrowtooth flounder, deep-water flatfish, and rex sole in the GOA from July 1 through July 31 (§ 679.82(d)). C/Ps participating in Rockfish Program cooperatives are restricted by rockfish and halibut PSC sideboard limits. These C/Ps are prohibited from directed fishing for northern rockfish, Pacific ocean perch, and dusky rockfish in the Western GOA and West Yakutat District from July 1 through July 31.

Holdens of C/P-designated LLP licenses that opt out of participating in a Rockfish Program cooperative will be able to access those sideboard limits that are not assigned to Rockfish Program cooperatives (§ 679.82(e)(2) and (e)(7)). The sideboard ratio for each rockfish fishery in the Western GOA and WYK District is set forth in § 679.82(e)(4). Table 16 lists the proposed 2018 and 2019 Rockfish Program C/P rockfish sideboard limits in the Western GOA and West Yakutat District. Due to confidentiality requirements associated with fisheries data, the sideboard limits for the West Yakutat District are not displayed.

### TABLE 15—PROPOSED 2018 AND 2019 GOA NON-AMERICAN FISHERIES ACT CRAB VESSEL—Continued GROUNDFISH SIDEBOARD LIMITS

[Values are rounded to the nearest metric ton]

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pacific ocean perch ..........</td>
<td>Annual</td>
<td>W</td>
<td>0.000</td>
<td>2,627</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.000</td>
<td>16,347</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.000</td>
<td>4,480</td>
<td></td>
</tr>
<tr>
<td>Northern rockfish ............</td>
<td>Annual</td>
<td>W</td>
<td>0.0055</td>
<td>400</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0000</td>
<td>3,108</td>
<td></td>
</tr>
<tr>
<td>Shortraker rockfish .........</td>
<td>Annual</td>
<td>W</td>
<td>0.0013</td>
<td>38</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0012</td>
<td>301</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.0009</td>
<td>947</td>
<td>1</td>
</tr>
<tr>
<td>Dusky rockfish ...............</td>
<td>Annual</td>
<td>W</td>
<td>0.0017</td>
<td>146</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0000</td>
<td>3,499</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.0000</td>
<td>309</td>
<td></td>
</tr>
<tr>
<td>Rougheye rockfish ............</td>
<td>Annual</td>
<td>W</td>
<td>0.0067</td>
<td>104</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0047</td>
<td>702</td>
<td>3</td>
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<td>E</td>
<td>0.0008</td>
<td>512</td>
<td>0</td>
</tr>
<tr>
<td>Demersal shelf rockfish ...</td>
<td>Annual</td>
<td>SEO</td>
<td>0.0000</td>
<td>227</td>
<td></td>
</tr>
<tr>
<td>Thornyhead rockfish .........</td>
<td>Annual</td>
<td>W</td>
<td>0.0047</td>
<td>291</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0066</td>
<td>988</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.0045</td>
<td>682</td>
<td>3</td>
</tr>
<tr>
<td>Other Rockfish ...............</td>
<td>Annual</td>
<td>W/C</td>
<td>0.0033</td>
<td>1,534</td>
<td>5</td>
</tr>
<tr>
<td>Atka mackerel .................</td>
<td>Annual</td>
<td>Gulfwide</td>
<td>0.0000</td>
<td>3,000</td>
<td></td>
</tr>
<tr>
<td>Big skate .....................</td>
<td>Annual</td>
<td>W</td>
<td>0.0392</td>
<td>908</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0159</td>
<td>1,850</td>
<td>29</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.0000</td>
<td>1,056</td>
<td></td>
</tr>
<tr>
<td>Longnose skate ...............</td>
<td>Annual</td>
<td>W</td>
<td>0.0392</td>
<td>61</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C</td>
<td>0.0159</td>
<td>2,513</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E</td>
<td>0.0000</td>
<td>632</td>
<td></td>
</tr>
<tr>
<td>Other skates .................</td>
<td>Annual</td>
<td>Gulfwide</td>
<td>0.0176</td>
<td>1,919</td>
<td>34</td>
</tr>
<tr>
<td>Sculpins .....................</td>
<td>Annual</td>
<td>Gulfwide</td>
<td>0.0176</td>
<td>5,591</td>
<td>98</td>
</tr>
<tr>
<td>Sharks ........................</td>
<td>Annual</td>
<td>Gulfwide</td>
<td>0.0176</td>
<td>4,514</td>
<td>79</td>
</tr>
<tr>
<td>Squids ........................</td>
<td>Annual</td>
<td>Gulfwide</td>
<td>0.0176</td>
<td>1,137</td>
<td>20</td>
</tr>
<tr>
<td>Octopuses ....................</td>
<td>Annual</td>
<td>Gulfwide</td>
<td>0.0176</td>
<td>4,878</td>
<td>86</td>
</tr>
</tbody>
</table>

1 The Pacific cod A season for trawl gear does not open until January 20.
2 The Pacific cod B season for trawl gear closes November 1.
TABLE 16—PROPOSED 2018 AND 2019 ROCKFISH PROGRAM SIDEBOARD LIMITS FOR THE WESTERN GOA AND WEST YAKUTAT DISTRICT BY FISHERY FOR THE CATCHER/PROCESSOR (C/P) SECTOR

<table>
<thead>
<tr>
<th>Area</th>
<th>Fishery</th>
<th>C/P sector (% of TAC)</th>
<th>Proposed 2018 and 2019 TACs</th>
<th>Proposed 2018 and 2019 C/P sideboard limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Western GOA</td>
<td>Dusky rockfish</td>
<td>72.3</td>
<td>146</td>
<td>106</td>
</tr>
<tr>
<td></td>
<td>Pacific ocean perch</td>
<td>50.6</td>
<td>2,627</td>
<td>1,329</td>
</tr>
<tr>
<td></td>
<td>Northern rockfish</td>
<td>74.3</td>
<td>400</td>
<td>297</td>
</tr>
<tr>
<td>West Yakutat</td>
<td>Dusky rockfish</td>
<td>Confidential</td>
<td>232</td>
<td>Confidential.1</td>
</tr>
<tr>
<td>District</td>
<td>Pacific ocean perch</td>
<td>Confidential</td>
<td>2,733</td>
<td>Confidential.1</td>
</tr>
</tbody>
</table>

¹Not released due to confidentiality requirements associated with fish ticket data, as established by NMFS and the State of Alaska.

Under the Rockfish Program, the C/P sector is subject to halibut PSC sideboard limits for the trawl deep-water and shallow-water species fisheries from July 1 through July 31 (§ 679.82(e)(3) and (e)(5)). Halibut PSC sideboard ratios by fishery are set forth in § 679.82(e)(5). No halibut PSC sideboard limits apply to the CV sector, as vessels participating in a rockfish cooperative receive a portion of the annual halibut PSC limit. C/Ps that opt out of the Rockfish Program would be able to access that portion of the deep-water and shallow-water halibut PSC sideboard limit not assigned to C/P rockfish cooperatives. The sideboard provisions for C/Ps that elect to opt out of participating in a rockfish cooperative are described in § 679.82(c), (e), and (f). Sideboard limits are linked to the catch history of specific vessels that may choose to opt out. After March 1, NMFS will determine which C/Ps have opted out of the Rockfish Program in 2018, and will know the ratios and amounts used to calculate opt-out sideboard ratios. NMFS will then calculate any applicable opt-out sideboard limits and post these limits on the Alaska Region Web site at https://alaska fisheries.noaa.gov/fisheries/central-goa-rockfish-program. Table 17 lists the 2018 and 2019 proposed Rockfish Program halibut PSC limits for the C/P sector.

TABLE 17—PROPOSED 2018 AND 2019 ROCKFISH PROGRAM HALIBUT MORTALITY LIMITS FOR THE CATCHER/PROCESSOR SECTOR

<table>
<thead>
<tr>
<th>Sector</th>
<th>Shallow-water species fishery halibut PSC sideboard ratio (percent)</th>
<th>Deep-water species fishery halibut PSC sideboard ratio (percent)</th>
<th>Annual halibut mortality limit (mt)</th>
<th>Annual shallow-water species fishery halibut PSC sideboard limit (mt)</th>
<th>Annual deep-water species fishery halibut PSC sideboard limit (mt)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catcher/processor</td>
<td>0.10</td>
<td>2.50</td>
<td>1,706</td>
<td>2</td>
<td>43</td>
</tr>
</tbody>
</table>

Amendment 80 Program Groundfish and PSC Sideboard Limits

Amendment 80 Program to the Fishery Management Plan for Groundfish of the Bering Sea and Aleutian Islands Management Area (Amendment 80 Program) established a limited access privilege program for the non-AFA trawl C/P sector. The Amendment 80 Program established groundfish and halibut PSC limits for Amendment 80 Program participants to limit the ability of participants eligible for the Amendment 80 Program to expand their harvest efforts in the GOA.

Section 679.92 establishes groundfish harvesting sideboard limits on all Amendment 80 Program vessels, other than the F/V Golden Fleece, to amounts no greater than the limits shown in Table 37 to 50 CFR part 679. Under § 679.92(d), the F/V Golden Fleece is prohibited from directed fishing for pollock, Pacific cod, Pacific ocean perch, dusky rockfish, and northern rockfish in the GOA.

Groundfish sideboard limits for Amendment 80 Program vessels operating in the GOA are based on their average aggregate harvests from 1998 through 2004 (72 FR 52668, September 14, 2007). Table 18 lists the proposed 2018 and 2019 sideboard limits for Amendment 80 Program vessels. NMFS will deduct all targeted or incidental catch of sideboard species made by Amendment 80 Program vessels from the sideboard limits in Table 18.
TABLE 18—PROPOSED 2018 AND 2019 GOA GROUNDFISH SIDEBOARD LIMITS FOR AMENDMENT 80 PROGRAM VESSELS

[Values are rounded to the nearest metric ton]

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pollock</td>
<td>A Season January 20–March 10.</td>
<td>Shumagin (610)</td>
<td>0.003</td>
<td>1,725</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kodiak (620)</td>
<td>0.002</td>
<td>26,704</td>
<td>53</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chirikof (620)</td>
<td>0.002</td>
<td>8,513</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>B Season March 10–May 31.</td>
<td>Shumagin (610)</td>
<td>0.003</td>
<td>1,725</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kodiak (630)</td>
<td>0.002</td>
<td>30,469</td>
<td>61</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chirikof (620)</td>
<td>0.002</td>
<td>4,748</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>C Season August 25–October 1.</td>
<td>Shumagin (610)</td>
<td>0.003</td>
<td>15,125</td>
<td>45</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kodiak (630)</td>
<td>0.002</td>
<td>9,538</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>D Season October 1–November 1.</td>
<td>Shumagin (610)</td>
<td>0.003</td>
<td>15,125</td>
<td>45</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kodiak (630)</td>
<td>0.002</td>
<td>9,538</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chirikof (620)</td>
<td>0.002</td>
<td>12,278</td>
<td>25</td>
</tr>
<tr>
<td>Pacific cod</td>
<td>A Season January 1–June 10.</td>
<td>W</td>
<td>0.020</td>
<td>9,477</td>
<td>190</td>
</tr>
<tr>
<td></td>
<td>B Season September 1–December 31.</td>
<td>W</td>
<td>0.044</td>
<td>12,362</td>
<td>544</td>
</tr>
<tr>
<td></td>
<td>Annual</td>
<td>C</td>
<td>0.044</td>
<td>6,318</td>
<td>126</td>
</tr>
<tr>
<td>Pacific ocean perch</td>
<td>Annual</td>
<td>W</td>
<td>0.044</td>
<td>8,241</td>
<td>363</td>
</tr>
<tr>
<td>Northern rockfish</td>
<td>Annual</td>
<td>C</td>
<td>0.034</td>
<td>3,671</td>
<td>125</td>
</tr>
<tr>
<td>Dusky rockfish</td>
<td>Annual</td>
<td>W</td>
<td>0.094</td>
<td>2,627</td>
<td>2,611</td>
</tr>
<tr>
<td></td>
<td></td>
<td>WYK</td>
<td>0.961</td>
<td>2,733</td>
<td>2,626</td>
</tr>
</tbody>
</table>

1 The Pacific cod A season for trawl gear does not open until January 20.
2 The Pacific cod B season for trawl gear closes November 1.

The halibut PSC sideboard limits for Amendment 80 Program vessels in the GOA are based on the historic use of halibut PSC by Amendment 80 Program vessels in each PSC target category from 1998 through 2004. These values are slightly lower than the average historic use to accommodate two factors: allocation of halibut PSC cooperative quota under the Rockfish Program and the exemption of the F/V Golden Fleece from this restriction (§ 679.92(b)(2)). Table 19 lists the proposed 2018 and 2019 halibut PSC sideboard limits for Amendment 80 Program vessels. These tables incorporate the maximum percentages of the halibut PSC sideboard limits that may be used by Amendment 80 Program vessels, as contained in Table 38 to 50 CFR part 679. Any residual amount of a seasonal Amendment 80 sideboard halibut PSC limit may carry forward to the next season limit (§ 679.92(b)(2)).

TABLE 19—PROPOSED 2018 AND 2019 HALIBUT PSC SIDEBOARD LIMITS FOR AMENDMENT 80 PROGRAM VESSELS IN THE GOA

[Values are rounded to the nearest metric ton]

<table>
<thead>
<tr>
<th>Season</th>
<th>Season dates</th>
<th>Fishery category</th>
<th>Historic Amendment 80 use of the annual halibut PSC limit (ratio)</th>
<th>Proposed 2018 and 2019 annual PSC limit (mt)</th>
<th>Proposed 2018 and 2019 Amendment 80 vessel PSC sideboard limit (mt)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>January 20–April 1</td>
<td>shallow-water</td>
<td>0.0048</td>
<td>1,706</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>deep-water</td>
<td>0.0115</td>
<td>1,706</td>
<td>20</td>
</tr>
<tr>
<td>2</td>
<td>April 1–July 1</td>
<td>shallow-water</td>
<td>0.0089</td>
<td>1,706</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td></td>
<td>deep-water</td>
<td>0.0172</td>
<td>1,706</td>
<td>183</td>
</tr>
<tr>
<td>3</td>
<td>July 1–September 1</td>
<td>shallow-water</td>
<td>0.0146</td>
<td>1,706</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>deep-water</td>
<td>0.0521</td>
<td>1,706</td>
<td>89</td>
</tr>
<tr>
<td>4</td>
<td>September 1–October 1</td>
<td>shallow-water</td>
<td>0.0074</td>
<td>1,706</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td></td>
<td>deep-water</td>
<td>0.0014</td>
<td>1,706</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>October 1–December 31</td>
<td>shallow-water</td>
<td>0.0227</td>
<td>1,706</td>
<td>39</td>
</tr>
<tr>
<td></td>
<td></td>
<td>deep-water</td>
<td>0.0371</td>
<td>1,706</td>
<td>63</td>
</tr>
<tr>
<td>Annual:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>117</td>
</tr>
<tr>
<td>Total shallow-water</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>357</td>
</tr>
<tr>
<td>Total deep-water</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
TABLE 19—PROPOSED 2018 AND 2019 HALIBUT PSC SIDEBOARD LIMITS FOR AMENDMENT 80—Continued

<table>
<thead>
<tr>
<th>Season</th>
<th>Season dates</th>
<th>Fishery category</th>
<th>Historic Amendment 80 use of the annual halibut PSC limit (ratio)</th>
<th>Proposed 2018 and 2019 annual PSC limit (mt)</th>
<th>Proposed 2018 and 2019 Amendment 80 vessel PSC sideboard limit (mt)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grand Total, all seasons and categories.</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>474</td>
</tr>
</tbody>
</table>

Classification

NMFS has determined that the proposed harvest specifications are consistent with the FMP and preliminarily determined that the proposed harvest specifications are consistent with the Magnuson-Stevens Act and other applicable laws, subject to further review after public comment. This action is authorized under 50 CFR 679.20 and is exempt from review under Executive Orders 12866 and 13563.

NMFS prepared an EIS for this action and made it available to the public on January 12, 2007 (72 FR 1512). On February 13, 2007, NMFS issued the Record of Decision (ROD) for the Final EIS. A Supplemental Information Report (SIR) that assesses the need to prepare a Supplemental EIS is being prepared for the final action. Copies of the Final EIS, ROD, and SIR for this action are available from NMFS (see ADDRESSES). The Final EIS analyzes the environmental consequences of the proposed groundfish harvest specifications and alternative harvest strategies on resources in the action area. The Final EIS found no significant environmental consequences from the proposed action or its alternatives.

NMFS prepared an Initial Regulatory Flexibility Analysis (IRFA) as required by section 603 of the Regulatory Flexibility Act (RFA), analyzing the methodology for establishing the relevant TACs. The IRFA evaluated the impacts on small entities of alternative harvest strategies for the groundfish fisheries in the EEZ off Alaska. As set forth in the methodology, TACs are set to a level that fall within the range of ABCs recommended by the SSC; the sum of the TACs must achieve the OY specified in the FMP. While the specific numbers that the methodology produces may vary from year to year, the methodology itself remains constant.

A description of the proposed action, why it is being considered, and the legal basis for this proposed action are contained in the preamble above. A copy of the IRFA is available from NMFS (see ADDRESSES). A summary of the IRFA follows.

The action under consideration is a harvest strategy to govern the catch of groundfish in the GOA. The preferred alternative is the existing harvest strategy in which TACs fall within the range of ABCs recommended by the SSC. This action is taken in accordance with the FMP prepared by the Council pursuant to the Magnuson-Stevens Act.

The entities directly regulated by this action are those that harvest groundfish in the EEZ of the GOA and in parallel fisheries within State of Alaska waters. These include entities operating CVs and C/Ps within the action area and entities receiving direct allocations of groundfish.

For RFA purposes only, NMFS has established a small business size standard for businesses, including their affiliates, whose primary industry is commercial fishing (see 50 CFR 200.2). A business primarily engaged in commercial fishing (NAICS code 11411) is classified as a small business if it is independently owned and operated, is not dominant in its field of operation (including its affiliates), and has combined annual gross receipts not in excess of $11 million for all its affiliated operations worldwide.

The IRFA shows that, in 2016, there were 920 individual CVs with gross revenues less than or equal to $11 million. This estimate accounts for corporate affiliations among vessels, and for cooperative affiliations among fishing entities, since some of the fishing vessels operating in the GOA are members of AFA inshore pollock cooperatives, GOA rockfish cooperatives, or BSAI Crab Rationalization Program cooperatives. Therefore, under the RFA, it is the aggregate gross receipts of all participating members of the cooperative that must meet the “under $11 million” threshold. Vessels that participate in these cooperatives are considered to be large entities within the meaning of the RFA. After accounting for membership in these cooperatives, there are an estimated 920 small CV entities remaining in the GOA groundfish sector. This latter group of vessels had average gross revenues that varied by gear type. Average gross revenues for hook-and-line CVs, pot gear vessels, and trawl gear vessels are estimated to be $340,000, $720,000, and $1.83 million, respectively. Revenue data for the three C/Ps considered to be small entities are confidential.

The preferred alternative (Alternative 2) was compared to four other alternatives. Alternative 1 would have set TACs to generate fishing rates equal to the maximum permissible ABC (if the full TAC were harvested), unless the sum of TACs exceeded the GOA OY, in which case TACs would be limited to the OY. Alternative 3 would have set TACs to produce fishing rates equal to the most recent 5-year average fishing rate. Alternative 4 would have set TACs to equal the lower limit of the GOA OY range. Alternative 5, the “no action alternative,” would have set TACs equal to zero.

The TACs associated with the preferred harvest strategy are those adopted by the Council in October 2017, as per Alternative 2. OFLs and ABCs for the species were based on recommendations prepared by the Council’s Plan Team in September 2017, and reviewed by the Council’s SSC in October 2017. The Council based its TAC recommendations on those of its AP, which were consistent with the SSC’s OFL and ABC recommendations.

Alternative 1 selects harvest rates that would allow fishermen to harvest stocks at the level of ABCs, unless total harvests were constrained by the upper bound of the GOA OY of 800,000 mt. As shown in Table 1 of the preamble, the sum of ABCs in 2018 and 2019 would be 572,710 mt, which falls below the upper bound of the OY range. The sum of TACs is 465,832 mt, which is less than the sum of ABCs. In this instance, Alternative 1 is consistent with the
preferred alternative (Alternative 2), meets the objectives of that action, and has small entity impacts that may be equivalent to the preferred alternative. However, it is not likely that Alternative 1 would result in reduced adverse economic impacts to directly-regulated small entities relative to Alternative 2. The selection of Alternative 1, which could increase all TACs up to the sum of ABCs, would not reflect the practical implications that increased TACs for some species probably would not be fully harvested. This could be due to a variety of reasons, including the lack of commercial or market interest in some species. Additionally, an underharvest of flatfish TACs could result due to constraints such as the fixed, and therefore constraining, PSC limits associated with the harvest of the GOA groundfish species. Furthermore, TACs may be set lower than ABC for conservation purposes, as is the case with other rockfish in the Eastern GOA. Finally, the TACs for two species (pollock and Pacific cod) cannot be set equal to ABC, as the ABC must be reduced to account for the State of Alaska’s guideline harvest levels in these fisheries.

Alternative 3 selects harvest rates based on the most recent 5 years of harvest rates (for species in Tiers 1 through 3) or based on the most recent 5 years of harvests (for species in Tiers 4 through 6). This alternative is inconsistent with the objectives of this action, the Council’s preferred harvest strategy, because it does not take account of the most recent biological information for this fishery. NMFS annually conducts at-sea stock surveys for different species, as well as statistical modeling, to estimate stock sizes and permissible harvest levels. Actual harvest rates or harvest amounts are a component of these estimates, but in and of themselves may not accurately portray stock sizes and conditions. Harvest rates are listed for each species category for each year in the SAFE report (see ADDRESSES).

Alternative 4 would lead to significantly lower harvests of all species and reduce the TACs from the upper end of the OY range in the GOA, to its lower end of 116,000 mt. Overall, this would reduce 2018 TACs by about 80 percent and would lead to significant reductions in harvests of species harvested by small entities. While reductions of this size would be associated with offsetting price increases, the size of these increases is very uncertain. There are close substitutes for GOA groundfish species available in significant quantities from the Bering Sea and Aleutian Islands management area. While production declines in the GOA would undoubtedly be associated with significant price increases in the GOA, these increases would still be constrained by production of substitutes, and are very unlikely to offset revenue declines from smaller production. Thus, this alternative would have a detrimental impact on small entities.

Alternative 5, which sets all harvests equal to zero, would have a significant adverse economic impact on small entities and would be contrary to obligations to achieve OY on a continuing basis, as mandated by the Magnuson-Stevens Act. Under Alternative 5, all 920 individual C/Ps impacted by this rule would have gross revenues of $0. Additionally, the three small C/Ps impacted by this rule also would have gross revenues of $0.

The proposed harvest specifications (Alternative 2) extend the current 2018 OFLs, ABCs, and TACs to 2018 and 2019, with the exception of Pacific cod, as explained in the preamble. As noted in the IRFA, the Council may modify these OFLs, ABCs, and TACs in December 2017, when it reviews the November 2017 SAFE report from its Groundfish Plan Team, and the December 2017 Council meeting reports of its SSC and AP. Because the 2018 TACs in the proposed 2018 and 2019 harvest specifications are unchanged from the 2018 TACs, with the sole exception of modifications to Pacific cod harvest amounts, and because the sum of all TACs remains within OY for the GOA, NMFS does not expect adverse impacts on small entities. Also, NMFS does not expect any changes made by the Council in December 2017 to have significant adverse impacts on small entities.

This action does not modify recordkeeping or reporting requirements, or duplicate, overlap, or conflict with any Federal rules.

Adverse impacts on marine mammals or endangered species resulting from fishing activities conducted under this rule are discussed in the Final EIS and its accompanying annual SIRs (see ADDRESSES).


Alan D. Risenhoover,
Acting Deputy Assistant Administrator for Regulatory Programs, National Marine Fisheries Service.

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