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**NORTHERN COMMITTEE**

**EIGHTEENTH REGULAR SESSION**

ELECTRONIC MEETING

4-6 October 2022

**Compiled information on Pacific bluefin tuna**

**(fishing effort and catch)**

**WCPFC-NC18-2022/WP-02**

**(IATTC-NC-JWG07-2022/WP-01 - Rev.01)**

**Secretariat**

According to Paragraph 5 of the WCPFC CMM 2021-02, fishing effort and catch of Pacific bluefin tuna are compiled based on WCPFC Member’s reports, which are annexed as Table 1 and 2, respectively.

1. *CCMs shall report to the Executive Director by 31 July each year their fishing effort and <30 kg and >=30 kg catch levels, by fishery, for the previous 3 year, accounting for all catches, including discards. CCMs shall report their annual catch limits and their annual catches of PBF, with adequate computation details, to present their implementation for paragraph 5 and 6, if the measures and arrangements in the said paragraphs and relevant footnotes applied. The Executive Director will compile this information each year into an appropriate format for the use of the Northern Committee.*

The information in the Tables below will be modified subject to any further updates from Members.

Individual Country Report is available at *Delegation Proposals and Papers* folder at <https://meetings.wcpfc.int/meetings/jwg-07>

**Compiled Information on Pacific Bluefin Tuna**

**(Fishing Effort and Catch)**

**Table 1. Fishing effort by vessels fishing for Pacific bluefin tuna *in the area north of 20° N in the Convention Area***

| **Fishery** | **Unit of fishing effort[[1]](#footnote-1)** | **Baseline fishing effort**  **(Para 2, CMM 2021-02)** | | | | **Fishing effort**  **(Para 8, CMM 2021-02)** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2002** | **2003** | **2004** | **2002-2004**  **Average** | **2019** | **2020** | **2021** |
| **Canada** |  |  |  |  |  |  |  |  |
| Not applicable |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **China** |  |  |  |  |  |  |  |  |
|  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Cook Islands** |  |  |  |  |  |  |  |  |
| Longline |  | Unknown | Unknown | 0 |  | N/A | N/A | N/A |
| **Fiji** |  |  |  |  |  |  |  |  |
| Longline | No. of vessels | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Japan** |  |  |  |  |  |  |  |  |
| Purse Seine | No. of vessels | 69 | 60 | 59 | 63 | 35 | 45 | 51 |
| Longline Dist. & Off. | No. of vessels | 654 | 632 | 613 | 633 | 439 | 437 | 413 |
| Longline Coastal | No. of vessels | 399 | 422 | 386 | 402 | 337 | 311 | 328 |
| Artisanal fisheries | No. of vessels | Unknown | Unknown | Unknown |  | 18,127 | 18,138 | 17,412 |
| Set Net | No. of licenses | 1,876 | 1,956 | 1,956 | 1,929 | 1,784 | 1,784 | 1,784 |
| Others | No. of vessels | Unknown | Unknown | Unknown |  |  |  |  |
| **Korea** |  |  |  |  |  |  |  |  |
| large-scale purse seiners | No. of vessels | 32 | 29 | 29 | 30 | 23 | 18 | 19 |
| **Philippines** |  |  |  |  |  |  |  |  |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| **Chinese Taipei** |  |  |  |  |  |  |  |  |
| Longline | No. of vessels | 684 | 659 | 632 | 658 | 491 | 493 | 497 |
| **U.S.A.** |  |  |  |  |  |  |  |  |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| **Vanuatu** |  |  |  |  |  |  |  |  |
| Longline | No. of vessels | 0 | 0 | 0 | 0 | 0 | 0 |  |

**Table 2. Catches (mt), including discards, of Pacific bluefin tuna *in the Convention Area* (include all the fisheries in the previous table, plus all other fisheries that catch any Pacific bluefin tuna)**

| **Fishery** | **All catches**  **(Para 5, CMM 2021-02)** | | | | | | | | **All catches**  **(Para 5, CMM 2021-02)** | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2002** | | **2003** | | **2004** | | **2002-2004**  **Average** | | **2019** | | **2020** | | **2021** | |
| **<30kg** | **≥30kg** | **<30kg** | **≥30kg** | **<30kg** | **≥30kg** | **<30kg** | **≥30kg** | **<30kg** | **≥30kg** | **<30kg** | **≥30kg** | **<30kg** | **≥30kg** |
| **Canada** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Troll | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **China** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Cook Islands** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Longline | 0 | 1.789 | 0 | 2.94 | 0 | 1.35 | 0 | 2 | N/A[[2]](#footnote-2) | N/A | N/A | N/A | N/A | N/A |
| **Fiji** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Longline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.191 | 0.360 | 0 | 0 | 0 | 0 |
| **Japan[[3]](#footnote-3)** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Purse Seine | 5,174 | 3,730 | 4,995 | 774 | 3,466 | 4,792 | 4,545 | 3,099 | 1,328 | 3,131 | 783 | 3,165 | 962 | 3,230 |
| Longline Dist.&Off. | 0 | 52 | 0 | 97 | 0 | 240 | 0 | 130 | 56 | 415 | 31 | 585 | 80 | 562 |
| Longline Coastal | 0 | 794 | 0 | 1,152 | 0 | 1,616 | 0 | 1,187 | 112 | 440 | 118 | 755 | 95 | 802 |
| Artisanal fisheries | 2,607 | 0 | 2,060 | 0 | 2,445 | 0 | 2,371 | 0 | 677 | 42 | 687 | 73 | 556 | 96 |
| Set Net | 1,008 | 92 | 648 | 191 | 660 | 235 | 772 | 173 | 691 | 260 | 943 | 399 | 1,319 | 423 |
| Others | 422 | 210 | 205 | 241 | 82 | 432 | 236 | 294 | 178 | 180 | 184 | 288 | 151 | 251 |
| ***Total*** | ***9,310*** | ***4,878*** | ***7,952*** | ***2,455*** | ***6,785*** | ***7,315*** | ***8,016*** | ***4,883*** | ***3,042*** | ***4,467*** | ***2,745*** | ***5,265*** | ***3,164*** | ***5,365*** |

**(Japan continued)**

Catches (mt) in management year[[4]](#footnote-4) basis, including discards, of Pacific bluefin tuna *in the Convention Area* (include all the fisheries in the previous table, plus all other fisheries that catch any Pacific bluefin tuna)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Fishery** | | **2019** | | **2020** | | **2021** | |
| **<30 kg** | **≥30 kg** | **<30 kg** | **≥30 kg** | **<30 kg** | **≥30 kg** |
| Fisheries licensed by the Ministry of Agriculture, Forestry and Fisheries | Purse Seine | 1,328 | 3,131 | 783 | 3,165 | 962 | 3,230 |
| Longline Dist.&Off. | 56 | 415 | 31 | 585 | 80 | 562 |
| Other fisheries | Longline Coastal | 112 | 467 | 118 | 785 | 109 | 812 |
| Artisanal fisheries | 565 | 72 | 687 | 86 | 713 | 141 |
| Set Net | 725 | 352 | 1,307 | 401 | 1,312 | 554 |
| Others | 165 | 173 | 181 | 297 | 179 | 250 |
| ***Total*** | | ***2,950*** | ***4,609*** | ***3,107*** | ***5,320*** | ***3,354*** | ***5,550*** |
| ***Catch limit[[5]](#footnote-5)*** | | ***3,757*** | ***5,132*** | ***4,238*** | ***6,160*** | ***4,238*** | ***6,162*** |

| **Fishery** | **All catches**  **(Para 5, CMM 2021-02)** | | | | | | | | | | | **All catches**  **(Para 5, CMM 2021-02)** | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2002** | | **2003** | | **2004** | | | **2002-2004**  **Average** | | | | **2019** | | | | **2020** | | | | **2021** | | |
| **<30kg** | **≥30kg** | **<30kg** | **≥30kg** | **<30kg** | | **≥30kg** | **<30kg** | | **≥30kg** | | **<30kg** | | **≥30kg** | | **<30kg** | | **≥30kg** | | **<30kg** | | **≥30kg** |
| **Korea** |  |  |  |  | |  |  |  |  | |  | |  | |  | |  | |  | |  | |
| Purse seiner | 932 |  | 2,601 |  | | 773 |  | 1,435 | 0 | | 525.0 | | 16.5 | | 154.1 | | 412.7 | | 365.6 | | 56.6 | |
| Set net |  |  |  |  | |  |  |  |  | | 35.4 | | 0.4 | | 34.5 | | 0.8 | | 83.1 | | 1.1 | |
| Others |  |  |  |  | |  |  |  |  | | 3.3 | | 0 | | 2.2 | | 0.4 | | 3.1 | | 0.0 | |
| ***Total*** | ***932*** |  | ***2,601*** |  | | ***773*** |  | ***1,435*** | ***0*** | | ***563.7*** | | ***16.9*** | | ***190.8*** | | ***413.9*** | | ***451.8*** | | ***57.7*** | |
| **Philippines** |  |  |  |  | |  |  |  |  | |  | |  | |  | |  | |  | |  | |
| Artisanal Handline or Hook-and-Line fisheries |  |  |  |  | |  |  |  |  | | 0 | | 0 | | 0 | | 2 pcs (~300 kgs + ~220 kgs) | | 0 | | 2 pcs (~220 kgs + ~270 kgs) | |
| **Chinese Taipei** |  |  |  |  | |  |  |  |  | |  | |  | |  | |  | |  | |  | |
| Longline | 0 | 1,523 | 0 | 1,863 | | 0 | 1,714 | 0 | 1700 | | 0 | | 486 | | 0 | | 1,150 | | 0 | | 1,478 | |
| Other coastal fisheries | 0 | 4 | 0 | 21 | | 0 | 3 | 0 | 9 | | 0 | | 7 | | 0 | | 1 | | 0 | | 1 | |
| ***Total*** | ***0*** | ***1527*** | ***0*** | ***1884*** | | ***0*** | ***1717*** | ***0*** | ***1,709*** | | ***0*** | | ***493*** | | ***0*** | | ***1,151*** | | ***0*** | | ***1,479*** | |
| **U.S.A.**[[6]](#footnote-6) |  |  |  |  | |  |  |  |  | |  | |  | |  | |  | |  | |  | |
| American Samoa LL | 0 | 3 | 0 | 0 | | 1 | 0 | 0.3 | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| USA LL | 0 | 1 | 0 | 0 | | 0 | 0 | 0 | 0 | | 0 | | 1 | | 0 | | 0 | | 0 | | 1 | |
| *Total* | ***0*** | ***4*** | ***0*** | ***0*** | | ***3*** | ***0*** | ***0.3*** | ***1*** | | ***0*** | | ***1*** | | ***0*** | | ***0*** | | ***0*** | | ***1*** | |
| **Vanuatu** |  |  |  |  | |  |  |  |  | |  | |  | |  | |  | |  | |  | |
| Longline[[7]](#footnote-7) | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | |  | |

1. e.g., sets, fishing days, vessels [↑](#footnote-ref-1)
2. No fishing effort north of the equator. [↑](#footnote-ref-2)
3. Catches (mt) in calendar year basis, including discards, of Pacific bluefin tuna *in the Convention Area* (include all the fisheries in the previous table, plus all other fisheries that catch any Pacific bluefin tuna) [↑](#footnote-ref-3)
4. **Management year is as follows.**

   5th management period: January 2019 - December 2019 for Fisheries licensed by the Ministry of Agriculture, Forestry and Fisheries, April 2019 - March 2020 for Other fisheries.

   6th management period: January 2020 - December 2020 for Fisheries licensed by the Ministry of Agriculture, Forestry and Fisheries, April 2020 - March 2021 for Other fisheries.

   2021 management period: January 2021 - December 2021 for Fisheries licensed by the Ministry of Agriculture, Forestry and Fisheries, April 2021 - March 2022 for Other fisheries. [↑](#footnote-ref-4)
5. **Catch limit is as follows.**

   2019 small fish: 4,007 tons - 250 tons (transfer from small fish to large fish) / large fish: 4,882 tons + 250 tons (transfer from small fish to large fish)

   2020 small fish: 4,007 tons - 450 tons (transfer from small fish to large fish) + 681.1 tons (carry over from the previous management year)

   large fish: 4,882 tons + 450 tons (transfer from small fish to large fish) + 527.5 tons (carry over from the previous management year) + 300 tons (transfer from Chinese Taipei)

   2021 small fish: 4,007 tons - 450 tons (transfer from small fish to large fish) + 681.1 tons (carry over from the previous management year)

   large fish: 4,882 tons + 450 tons (transfer from small fish to large fish) + 829.9 tons (carry over from the previous management year) [↑](#footnote-ref-5)
6. Pacific bluefin tuna catches are reported on longline logsheets for the American Samoa fishery, however the species may be misidentified. [↑](#footnote-ref-6)
7. These small catches are bycatch only. Vanuatu does not target PBF at all. [↑](#footnote-ref-7)