

**JOINT IATTC AND WCPFC-NC WORKING GROUP MEETING ON THE
MANAGEMENT OF PACIFIC BLUEFIN TUNA
SIXTH SESSION (JWG-06)**

ELECTRONIC MEETING
8am-11am, Japan Standard Time
27-29 July 2021

**COMPILED INFORMATION ON PACIFIC BLUEFIN TUNA
(FISHING EFFORT AND CATCH IN THE WCPO)**

IATTC-NC-JWG06-2021/WP-01

Secretariat

According to Paragraph 2-5 of the WCPFC CMM 2020-02, 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.

2. *CCMs shall take measures necessary to ensure that:*
 - (1) *Total fishing effort by their vessel fishing for Pacific bluefin tuna in the area north of the 20° N shall stay below the 2002–2004 annual average levels.*
 - (2) *All catches of Pacific bluefin tuna less than 30 kg shall be reduced to 50% of the 2002– 2004 annual average levels. Any overage or underage of the catch limit shall be deducted from or may be added to the catch limit for the following year. The maximum underage that a CCM may carry over in any given year shall not exceed 5% of its annual initial catch limit¹.*

3. *CCMs shall take measures necessary to ensure that all catches of Pacific Bluefin tuna 30kg or larger shall not be increased from the 2002-2004 annual average levels². Any overage or underage of the catch limit shall be deducted from or may be added to the catch limit for the following year. The maximum underage that a CCM may carry over in any given year shall not exceed 5% of its annual initial catch limit¹. However, in 2021 CCMs may use part of the catch limit for Pacific bluefin tuna smaller than 30 kg stipulated in paragraph 2 (2) above to catch Pacific bluefin tuna 30 kg or larger in the same year. In this case, the amount of catch 30 kg or larger shall be counted against the catch limit for Pacific bluefin tuna smaller than 30 kg. CCMs shall not use the catch limit for Pacific bluefin tuna 30 kg or larger to catch Pacific bluefin tuna smaller than 30 kg. The ISC is requested to review, in its work referred to in Section 5 of Harvest Strategy, the implications of this special provision in terms of PBF mortality and stock rebuilding probabilities in 2021. Based on that review, in 2021 the Northern Committee will determine whether it should be continued past 2021, and if so, recommend changes to the CMM as appropriate.*

4. *All CCMs except Japan shall implement the limits in paragraph 2 and 3 on a calendar-year basis. Japan shall implement the limits using a management year other than the calendar year for some of its fisheries and have its implementation assessed with respect to its management year. To facilitate the assessment, Japan shall:*
 - a. *Use the following management years:*

¹ Notwithstanding paragraph 2 and 3, a CCM may carry over up to 17% of its initial 2020 catch limits, which remain uncaught, to 2021.

² CCMs with a base line catch of 10 t or less may increase its catch as long as it does not exceed 10 t.

- 1) *For its fisheries licensed by the Ministry of Agriculture, Forestry and Fisheries, use the calendar year as the management year.*
 - 2) *For its other fisheries, use 1 April – 31 March as the management year³.*
- b. In its annual reports for PBF, for each category described in a.1 and a.2 above, complete the required reporting template for both the management year and calendar year clearly identifying fisheries for each management year.*

5. *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. 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.

³ *For the category described a.2, the TCC shall assess in year 20XX its implementation during the management year that starts 1 April 20XX-1 (e.g., in the 2020 compliance review, the TCC will assess Japan's implementation for its fisheries licensed by the Ministry of Agriculture, Forestry and Fisheries during calendar-year 2019 and for its other fisheries during 1 April 2019 through 31 March 2020).*

**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 ⁴ | Baseline fishing effort (Para 2, CMM 2020-02) | | | | Fishing effort (Para 5, CMM 2020-02) | | |
|-----------------------------------|-------------------------------------|--|----------------|--------------------|----------------------|---|--------------------|----------------|
| | | 2002 | 2003 | 2004 | 2002-2004 Average | 2018 | 2019 | 2020 |
| Canada | | | | | | | | |
| Not applicable | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| China | | | | | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cook Islands | | | | | | | | |
| Longline | | Unknown | Unknown | 0 | | 0 | 0 | 0 |
| Fiji | | | | | | | | |
| Longline | No. of vessels | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Japan | | | | | | | | |
| Purse Seine | No. of vessels | 69 | 60 | 59 | 63 | 37 | 35 | 45 |
| LonglineDist.&Off. | No. of vessels | 654 | 632 | 613 | 633 | 484 | 439 | 437 |
| Longline Coastal | No. of vessels | 399 | 422 | 386 | 402 | 335 | 337 | 311 |
| Artisanal fisheries | No. of vessels | Unknown | Unknown | Unknown | | 18,147 | 18,127 | 18,138 |
| 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 | 23 | 18 |
| Philippines | | | | | | | | |
| Not applicable | | | | | | | | |
| Chinese Taipei | | | | | | | | |
| Longline | No. of vessels | 684 | 659 | 632 | 658 | 480 | 491 | 493 |
| U.S.A. | | | | | | | | |
| Not applicable | | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Vanuatu | | | | | | | | |
| Longline ² | No. of vessels | 0 | 0 | 0 30 | 0 30 | 0 27 | 0 22 | 0 |
| Australia | | | | | | | | |
| Eastern tuna and billfish fishery | No. of hooks | | | | | | | 0 |

⁴ e.g., sets, fishing days, vessels

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 2020-02) | | | | | | | | All catches (Para 5, CMM 2020-02) | | | | | |
|--------------------------|--------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|---------------------|--------------------------------------|---------------------|--|--|---------------------|---------------------|
| | 2002 | | 2003 | | 2004 | | 2002-2004 Average | | 2018 | | 2019 | | 2020 | |
| | <30kg | ≥30kg | <30kg | ≥30kg | <30kg | ≥30kg | <30kg | ≥30kg | <30kg | ≥30kg | <30kg | ≥30kg | <30kg | ≥30kg |
| Canada | | | | | | | | | | | | | | |
| N/A | 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fiji | | | | | | | | | | | | | | |
| Longline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.695 | 0.191 | 0.360 | 0 | 0 |
| Japan⁵ | | | | | | | | | | | | | | |
| Purse Seine | 5,174 | 3,730 | 4,995 | 774 | 3,466 | 4,792 | 4,545 | 3,099 | 1,006 | 3,033 | 1,328 | 3,131 | 783 | 3,165 |
| Longline Dist.&Off. | 0 | 52 | 0 | 97 | 0 | 240 | 0 | 130 | 17 | 184 | 56 | 415 | 31 | 585 |
| Longline Coastal | 0 | 794 | 0 | 1,152 | 0 | 1,616 | 0 | 1,187 | 85 | 447 | 112 | 440 439 | 118 | 725 |
| Artisanal fisheries | 2,607 | 0 | 2,060 | 0 | 2,445 | 0 | 2,371 | 0 | 307 | 63 | 677 | 42 | 687 | 73 |
| Set Net | 1,008 | 92 | 648 | 191 | 660 | 235 | 772 | 173 | 260 | 385 | 686 | 255 | 858 | 376 |
| Others | 422 | 210 | 205 | 241 | 82 | 432 | 236 | 294 | 184 183 | 234 | 178 177 | 180 | 184 | 288 |
| <u>Total</u> | <u>9,310</u> | <u>4,878</u> | <u>7,952</u> | <u>2,455</u> | <u>6,785</u> | <u>7,315</u> | <u>8,016</u> | <u>4,883</u> | <u>1,859</u> | <u>4,347</u> | <u>3,037</u> <u>3,035</u> | <u>4,463</u> <u>4,461</u> | <u>2,660</u> | <u>5,212</u> |

⁵ 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)

(Japan continued)

Catches (mt) in management year⁶ 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 | | 2016 | | 2017 | | 2018 | | 2019 | | 2020 | |
|---|---------------------|--------------|--------------|--------------|--------------|----------------------------------|--------------|------------------------------|----------------------------------|--------------|--------------|
| | | <30 kg | ≥ 30 kg | <30 kg | ≥ 30 kg | <30 kg | ≥ 30 kg | <30 kg | ≥ 30 kg | <30 kg | ≥ 30 kg |
| Fisheries licensed by the Ministry of Agriculture, Forestry and Fisheries | Purse Seine | 1,938 | 3,027 | 1,219 | 3,273 | 1,006 | 3,033 | 1,328 | 3,131 | <u>783</u> | <u>3,165</u> |
| | Longline Dist.&Off. | 2 | 191 | 1 | 287 | 17 | 184 | 56 | 415 | <u>28</u> | <u>577</u> |
| Other fisheries | Longline Coastal | 152 | 377 | 270 | 487 | 83 | 232 | 111 | 466 | <u>118</u> | <u>755</u> |
| | Artisanal fisheries | 648 | 32 | 466 | 45 | 588 | 60 | 565 | 72 | <u>687</u> | <u>86</u> |
| | Set Net | 1,140 | 512 | 1,071 | 522 | 430 | 129 | 719 <u>718</u> | 348 <u>347</u> | <u>1,222</u> | <u>378</u> |
| | Others | 442 | 242 | 367 | 359 | 145 | 177 | 164 | 173 | <u>181</u> | <u>297</u> |
| Total | | 4,321 | 4,382 | 3,395 | 4,974 | 2,270 <u>2,269</u> | 3,814 | 2,943 | 4,604 <u>4,603</u> | <u>3,091</u> | <u>5,257</u> |
| Catch limit ⁷ | | <u>4,007</u> | <u>4,882</u> | <u>3,424</u> | <u>5,132</u> | <u>3,757</u> | <u>5,132</u> | <u>3,757</u> | <u>5,132</u> | <u>4,238</u> | <u>6,160</u> |

⁶ Management year is as follows.

- 1st management period: January 2015 - December 2015 for Fisheries licensed by the Ministry of Agriculture, Forestry and Fisheries, January 2015 - June 2016 for Other fisheries.
- 2nd management period: January 2016 - December 2016 for Fisheries licensed by the Ministry of Agriculture, Forestry and Fisheries, July 2016 - June 2017 for Other fisheries.
- 3rd management period: January 2017 - December 2017 for Fisheries licensed by the Ministry of Agriculture, Forestry and Fisheries, July 2017 - June 2018 for Other fisheries.
- 4th management period: January 2018 - December 2018 for Fisheries licensed by the Ministry of Agriculture, Forestry and Fisheries, July 2018 - March 2019 for Other fisheries.
- 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.

⁷ Catch limit is as follows.

- 2016 small fish: 4,007 tons
large fish: 4,882 tons
- 2017 small fish: 4,007 tons - 250 tons (transfer from small fish to large fish) - 333.5 tons (overage in 2016 fishing year)
large fish: 4,882 tons + 250 tons (transfer from small fish to large fish)
- 2018 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)
- 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)

| Fishery | All catches (Para 5, CMM 2020-02) | | | | | | | | All catches (Para 5, CMM 2020-02) | | | | | |
|---|--------------------------------------|-------------|----------|-------------|----------|-------------|----------------------|--------------|--------------------------------------|--------------------------------------|----------------------------|-------------|--------------|--|
| | 2002 | | 2003 | | 2004 | | 2002-2004 Average | | 2018 | | 2019 | | 2020 | |
| | <30kg | ≥30kg | <30kg | ≥30kg | <30kg | ≥30kg | <30kg | ≥30kg | <30kg | ≥30kg | <30kg | ≥30kg | <30kg | ≥30kg |
| Korea | | | | | | | | | | | | | | |
| Purse seiner | 932 | | 2,601 | | 773 | | 1,435 | 0 | 498.9 | 24.5 | 525.0 | 16.5 | <u>154.1</u> | <u>412.7</u> |
| Set net | | | | | | | | | <u>7.1</u> <u>1.9</u> | 0 | <u>35.4</u> <u>34.4</u> | 0.4 | <u>34.5</u> | <u>0.8</u> |
| Others | | | | | | | | | 4.6 | <u>0</u> | 3.3 | <u>0</u> | <u>2.2</u> | <u>0.4</u> |
| Reserved | | | | | | | | | <u>0</u> <u>5.1</u> | | <u>0</u> <u>1.0</u> | | | |
| Total | 932 | | 2,601 | | 773 | | 1,435 | <u>0</u> | <u>510.6</u> <u>510.5</u> | <u>24.5</u> | <u>563.7</u> | <u>16.9</u> | <u>190.8</u> | <u>413.9</u> |
| Philippines | | | | | | | | | | | | | | |
| Artisanal Handline or Hook-and- Line fisheries | | | | | | | | 0 | 0 | 2 pcs (~250 kgs + ~215 kgs) | 0 | 0 | <u>0</u> | <u>2 pcs</u> <u>(~300 kgs</u> <u>+ ~220</u> <u>kgs)</u> |
| Chinese Taipei | | | | | | | | | | | | | | |
| Longline | 0 | 1,523 | 0 | 1,863 | 0 | 1,714 | 0 | 1700 | 0 | 381 | 0 | 492 | | <u>1,150</u> |
| Other coastal fisheries | 0 | 4 | 0 | 21 | 0 | 3 | 0 | 9 | 0 | + | 0 | + | | <u>4</u> |
| Total | <u>0</u> | <u>1527</u> | <u>0</u> | <u>1884</u> | <u>0</u> | <u>1717</u> | 0 | <u>1,709</u> | <u>0</u> | <u>381</u> | <u>0</u> | <u>492</u> | | <u>1,154</u> |
| U.S.A.⁸ | | | | | | | | | | | | | | |
| American Samoa LL | 0 | 3 | 0 | 0 | 3 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | <u>0</u> | <u>0</u> |
| USA LL | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | <u>0</u> | <u>0</u> |
| Total | <u>0</u> | <u>4</u> | <u>0</u> | <u>0</u> | <u>3</u> | <u>0</u> | <u>1</u> | <u>1</u> | <u>0</u> | <u>1</u> | <u>0</u> | <u>1</u> | <u>0</u> | <u>0</u> |
| Vanuatu | | | | | | | | | | | | | | |
| Longline ⁹ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <u>0</u> | <u>0</u> |
| Australia | | | | | | | | | | | | | | |
| Eastern tuna and billfish fishery | | | | | | | | | | | | | | <u>0.919</u> |

⁸ Pacific bluefin tuna catches are reported on longline logsheets for the American Samoa fishery, however the species may be misidentified.

⁹ These small catches are bycatch only. Vanuatu does not target PBF at all.