

NATIONAL MARINE FISHERIES SERVICE (NMFS) REPORT ON  
BIENNIAL HARVEST SPECIFICATIONS AND MANAGEMENT MEASURES

NMFS is reporting some corrections to the reference point values reported in [Agenda Item J.3.a, Supplemental NMFS Report 1](#) for the Pacific bluefin tuna stock. The corrected values are reflected in Tables 1 and 2 below, and explained here. The  $F_{MSY}$  proxy is  $F_{20\%SPR}$ , which equals 0.8. This value is not reported in the stock assessment, but represents a 20 percent reduction in the population due to fishing. The ratio of  $F_{current}/F_{20\%SPR}$  is reported on page 10 of the assessment as 0.95.  $F_{current}$  is reported as  $F_{23.6\%SPR}$  on page 9 in the assessment. The  $F_{current}$  value is derived from averaging the SPR values from 2020 to 2022, and equals 0.76. A similar approach can be used to update the  $B_{MSY}$  proxy (i.e.,  $20\%SSB_0$ ) and MSST values.  $SSB_{current}$  is equal to  $SSB_{2022}$ , which is reported as 144,483 tons or  $23.2\%SSB_0$  on page 9 in the assessment. Therefore,  $SSB_0$  equals 622,254 tons and  $20\%SSB_0$ , (i.e., the  $B_{MSY}$  proxy) equals 124,451. Since MSST equals 93,338, the ratio of  $SSB_{current}$  to MSST is 1.55.

These corrections do not alter the status determinations for this stock, which are now complete. The updated status, i.e., not overfished nor subject to overfishing, is reflected on [NOAA Fisheries species profile page](#), which includes updates to [Stock SMART](#).

Table 1. Corrections to reference point values reported in [Agenda Item J.3.a, Supplemental NMFS Report 1](#) for determining whether HMS stocks are subject to overfishing.

Stock	Assessment Year	Assessment Lead	MFMT (F <sub>MSY</sub> or Proxy)	Current F <sub>MSY</sub> or proxy estimate	Current F quantity estimate	RFMO reference point	F/F <sub>msy</sub> ratio	Subject to Overfishing?
NPO Pacific bluefin tuna	2024	ISC	1-20%SPR	<del>0.95</del> 0.8	1-SPR <sub>2020-22</sub> = <del>0.84</del> 0.76	N/A	<del>0.88</del> 0.95	No ( <del>Pending</del> )

Table 2. Corrections to reference point values reported in [Agenda Item J.3.a, Supplemental NMFS Report 1](#) for determining whether HMS stocks are overfished.

Stock	Assessment Year	Assessment Lead	B <sub>MSY</sub> or proxy	Current B <sub>MSY</sub> or proxy estimate	Current B quantity estimate	MSST (1-M*B <sub>MSY</sub> or 0.5B <sub>MSY</sub> )	Current B/MSST	RFMO reference point	Overfished?
NPO Pacific bluefin tuna	2024	ISC	20%SSB <sub>F=0</sub>	<del>124,554 mt</del> 124,451	SSB <sub>2022</sub> = 144,483 mt, or 23.2%SSB <sub>F=0</sub>	<del>93,416 mt</del> 93,338	1.55	N/A	No ( <del>Pending</del> )