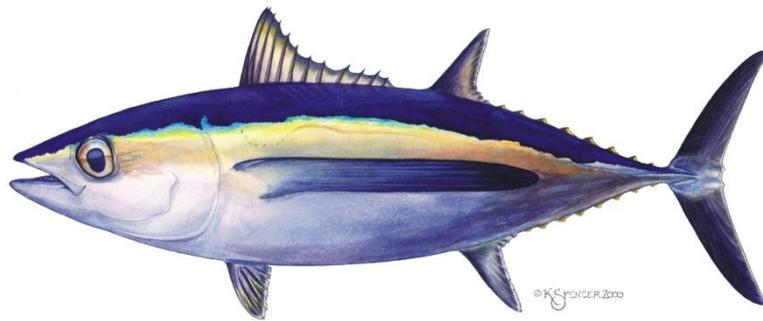


**Standardized CPUE for North Pacific albacore caught by the
Japanese pole and line from 1972 to 2018¹**

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This working paper was submitted to the ISC Albacore Working Group Intercessional Workshop, 12-18 November 2019, held at the National Research Institute of Far Seas Fisheries, Fisheries Research and Education Agency, Shimizu, Shizuoka, Japan. Document not to be cited without the author's permission.

Summary

The index of Standardized CPUE (i.e., relative abundance index) of north Pacific albacore caught by Japanese pole-and-line distant water (JPN DWPL) were summarized in this document. Standardized CPUE were analyzed by PL logbook data from 1972 to 2018 as the same methodologies as the 2017 albacore tuna stock assessment for the analysis of CPUE standardization (Kinoshita et al., 2017).

Updated CPUE showed annual variations (yellow line in **Fig. 1**). In 1972 – 1992, CPUE were confirmed from 0.4-1.0, but it switched high index (>1.5) in 1993-2003. On the other hand, it returned to the low Index within a range of 0.5-1.0. Particularly, the last years of CPUE (2018) showed the historically low Index around 0.5.

Reference

Ko Fujioka, Daisuke O., Hiroataka I., and Kiyofuji, H. (2019) Update standardized CPUE for North Pacific albacore caught by the Japanese longline data from 1976 to 2018. ISC/19/ALBWG-02/01.

Kinoshita, J., Ochi, D. and Kiyofuji, H. (2017) Revised of standardized CPUE for North Pacific albacore caught by the Japanese pole and line data from 1972 to 2015. ISC/17/ALBWG-02/05.

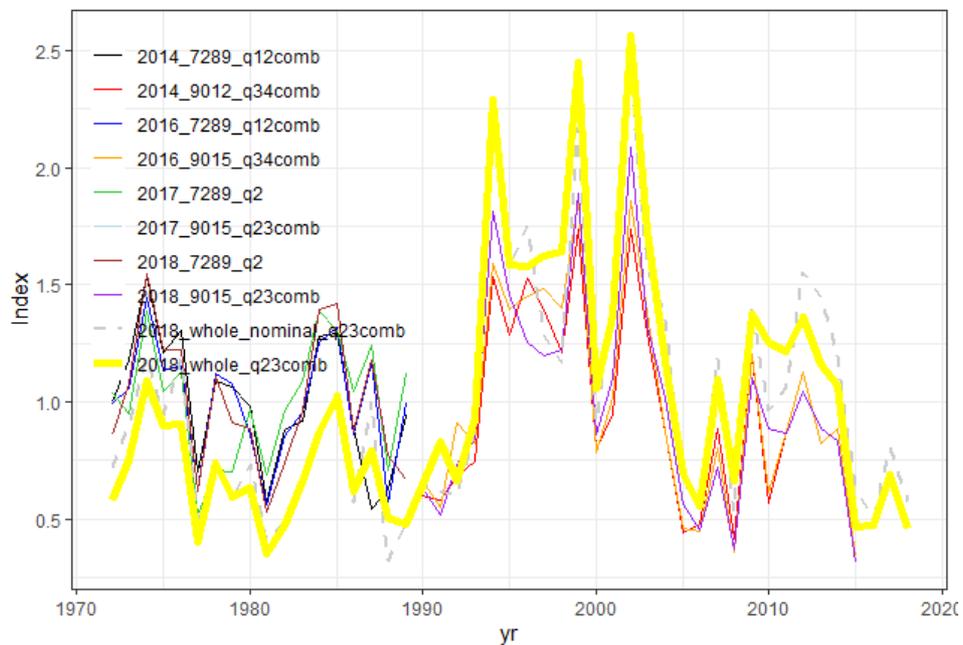


Figure 1. Relative abundance index of NPALB caught by Japanese distant water pole and line (JPN DWPL) from 2014 to 2018. Dashed grey line showed nominal CPUE.