Comisión Interamericana del Atún Tropical Inter-American Tropical Tuna Commission



INDICATORS OF STOCK STATUS FOR BIGEYE TUNA IN THE EASTERN PACIFIC OCEAN

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Outline

- Indicators for bigeye tuna
 - Based on data including purse-seine catch, effort, CPUE, mean weight, and fishing capacity
 - Reference levels are based on the 5th and 95th percentiles (2000-2018)
- Relationship between days fished and the number of sets
 - Based on data from vessels that made more than 50% of their sets on floating objects
- Why did the number of OBJ sets increase?



Indicators for bigeye tuna



New request: update the LL indices of abundance



Relationship between days fished and the number of sets



Data are from the purse-seine vessels that made more than 50% of their sets on floating objects

de pesca (t)



Why did the number of sets increase?



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Summary

- Indicators for bigeye tuna
 - All bigeye indicators, except for catch, show apparent long-term trends and their values in 2018 are close to or exceed the reference levels
 - Suggest increased purse-seine fishing mortality and reduced abundance
- Relationship between days fished and the number of sets
 - Indicator of days fished is probably biased
 - Number of OBJ sets is increasing
- Why did the number of OBJ sets increase?
 - Probably due to increased efficiency in finding FADs with tunas (both the number of FADs deployments and proportion of FADs with sonars increased over time)





Questions

