

# G.5 Sardine Harvest Specifications for 2017-18

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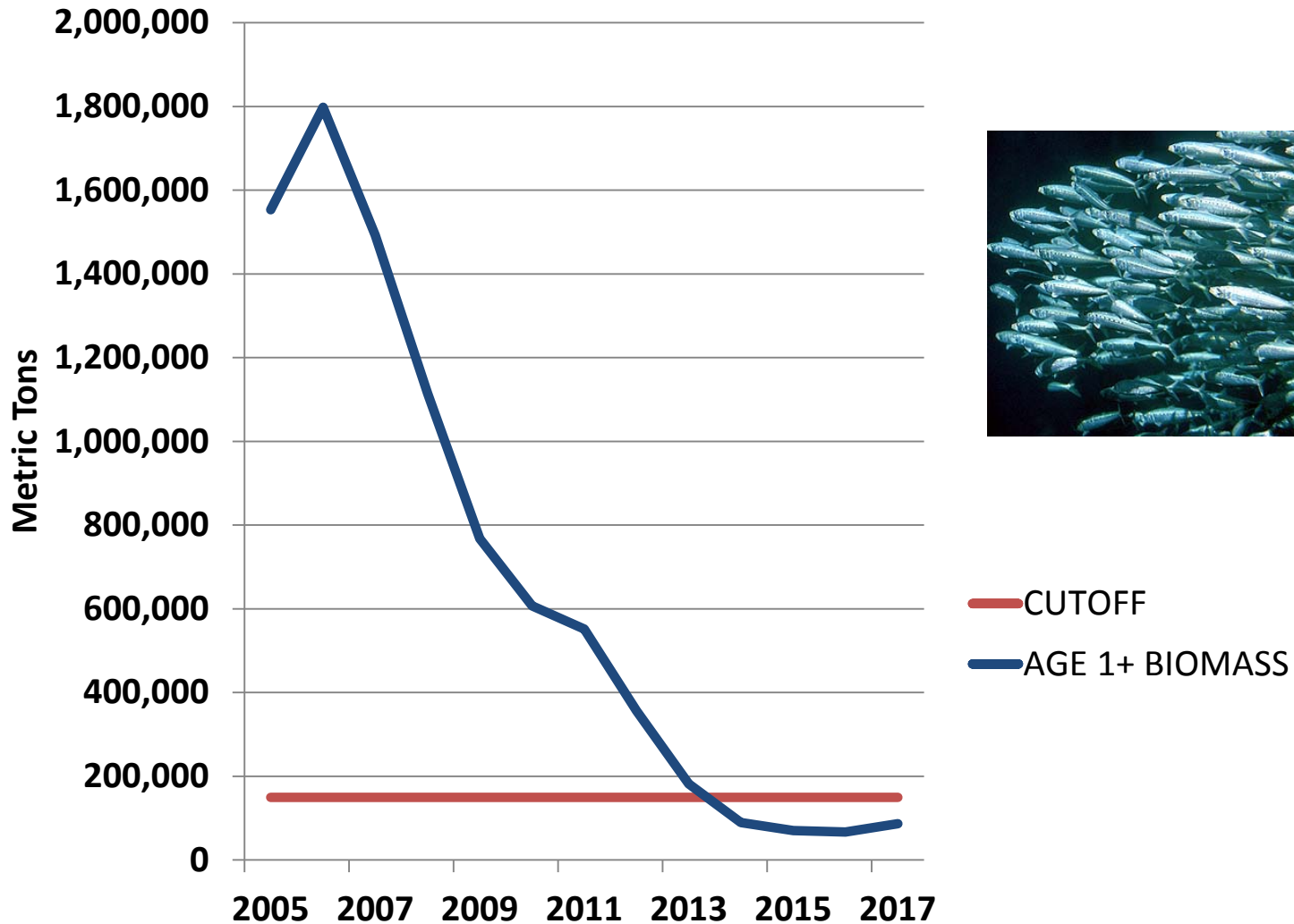
April 10, 2017

# Requests for 2017-18 Specifications

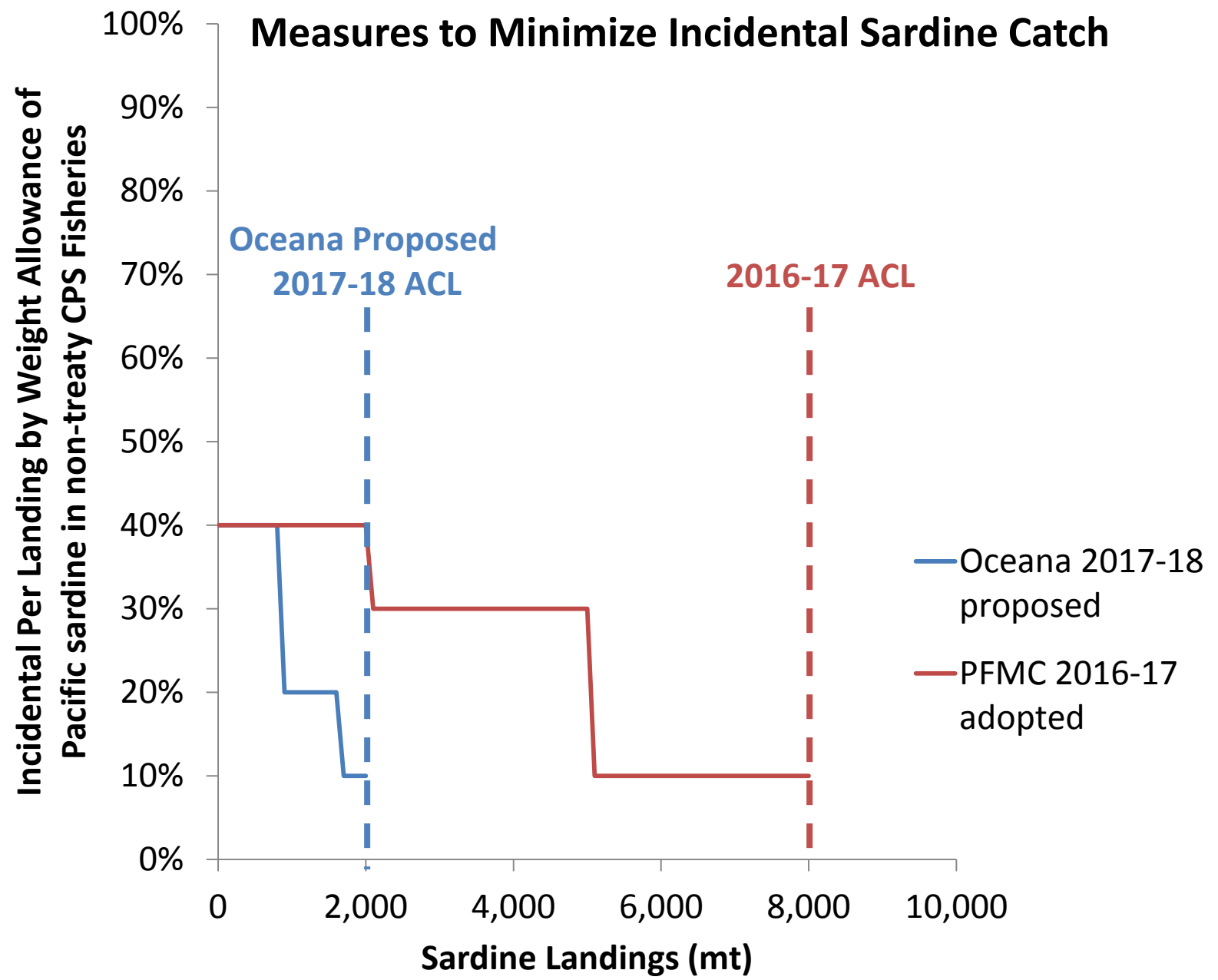
- Keep directed, non-tribal fishery closed
- Further minimize incidental sardine catch in other CPS fisheries
  - Reduce ACL to 2000 tons
  - Sardine Incidental Catch Allowance
    - 40% 0-800 mt
    - 20% 800-1600 mt
    - 10% 1600-2000 mt



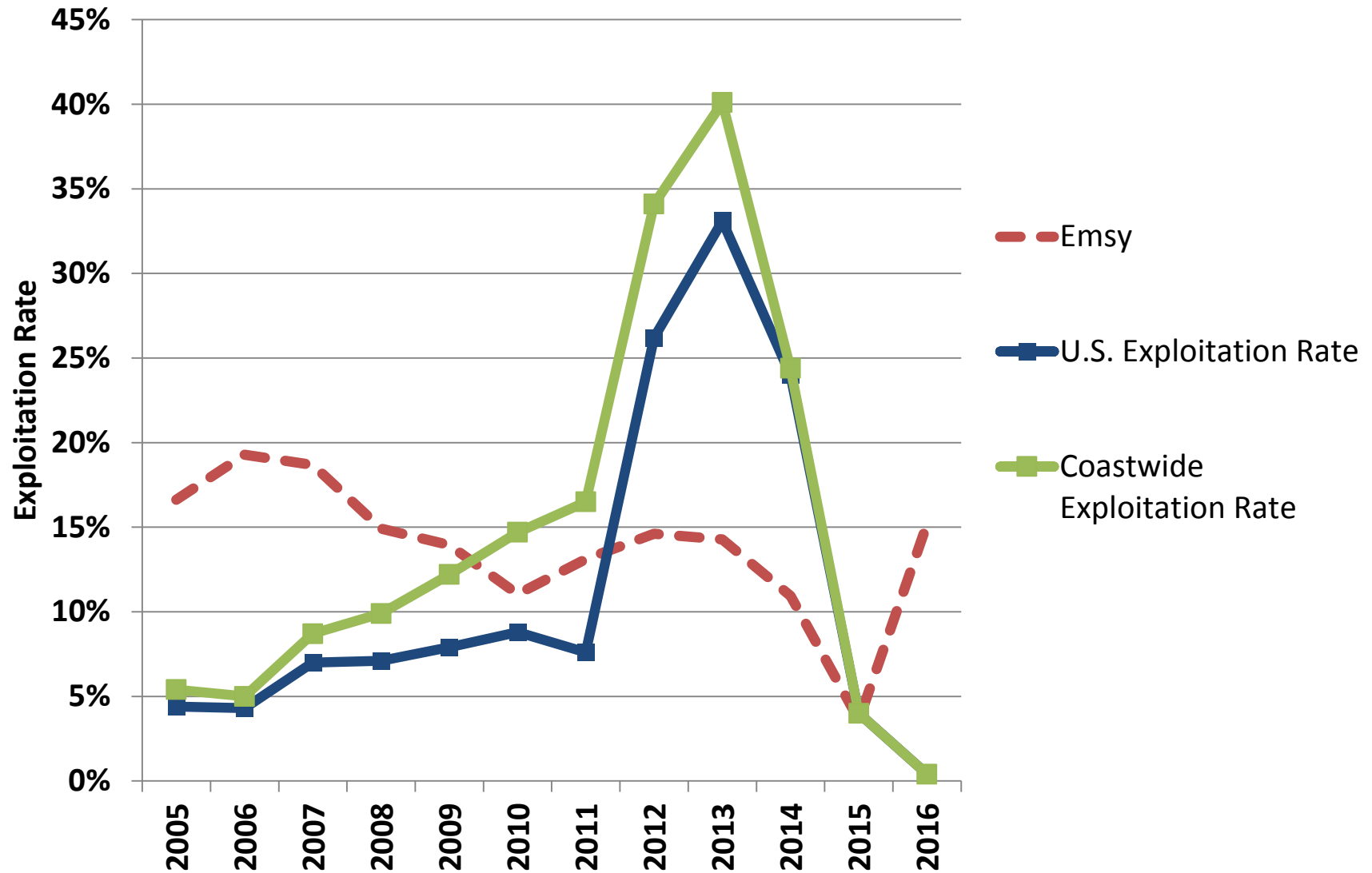
# Pacific Sardine Biomass



# Measures to Minimize Incidental Sardine Catch



# Fishery Exploitation Rates



# Contributing Factors to Excessive Exploitation Rates

- Projected recruitment overestimated
- Model error (2014)
- Fraction based on wrong temperature index (Scripps Pier)
- Insufficient uncertainty buffer in ABC
- Distribution underestimated foreign landings
- Cutoff not high enough
- Lag time between survey and start of fishing season
- Model-based biomass estimate instead of survey-based
- Frequent changes in stock assessment model