

COASTAL PELAGIC SPECIES ADVISORY SUBPANEL REPORT ON ESTABLISHING
MAXIMUM SUSTAINABLE YIELD (MSY) REFERENCE POINT FOR NORTHERN
ANCHOVY

The Coastal Pelagic Species Advisory Subpanel (CPSAS) and Coastal Pelagic Species Management Team (CPSMT) received a joint briefing from National Marine Fisheries Service (NMFS) staff and reviewed Agenda Item E.3.a, Supplemental Attachment 1: NMFS Report. The briefing and the NMFS report both highlighted the challenges of establishing a maximum sustainable yield (MSY) for a fishery with limited catch, biological, and productivity data. These data constraints have also been discussed during previous Council meetings.

Reviewing the alternatives presented in the NMFS report, the CPSAS supports Option 3, the MSY first recommended by the Scientific and Statistical Committee in November, 2010. This alternative uses the default fishing mortality rate for Pacific mackerel of 0.3 as an MSY proxy for the northern subpopulation of northern anchovy. During our joint discussion with the CPSMT, it was noted that anchovy are more productive than Pacific mackerel, so although biological data is limited, this MSY is conservative.

The future possibility of mining additional biological data from existing data sets was discussed. At present however, setting F_{MSY} equal to 0.3 for anchovy represents the best available science.

PFMC
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