

Groundfish Science Report

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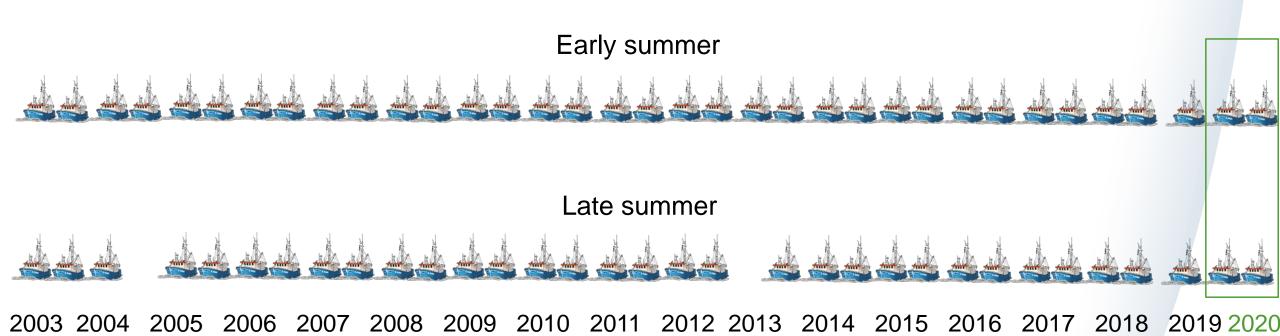
Overview

 Groundfish Bottom Trawl Survey Vessel Funding Update

At-sea Hake Fishery Updates



Four Groundfish Bottom Trawl Survey Vessels Funded – FY20





2020 Hake Management Process

- Pacific Hake/Whiting Treaty's Scientific Review Group Feb 25-28, 2020, Seattle, WA:
 - Reviewed 2020 Hake assessment, Accomplishments of the Management Strategy Evaluation Technical Team over the past year, and related science including 2019 acoustic/trawl survey.
 - SRG Endorsed the 2020 assessment as the best scientific information available for managing this year's fishery.
 - The SRG Report and the Final 2020 hake stock assessment are now available:

https://www.fisheries.noaa.gov/west-coast/laws-and-policies/pacific-hake-whiting-treaty



2020 Hake Management Process

- Joint Management Committee Meeting scheduled March 11-13, 2020, The Graduate Hotel, Seattle, WA.
 - Review the new science and SRG Report
 - Adopt a TAC for 2020, which will be reported to the Council in April.



Sampling in the At-sea Hake Fishery



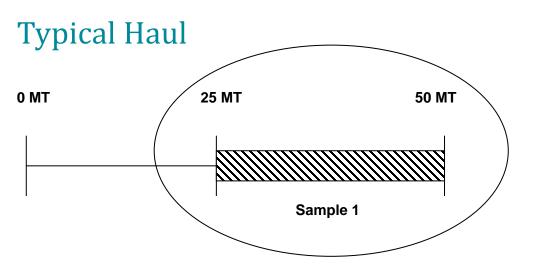


Thank you



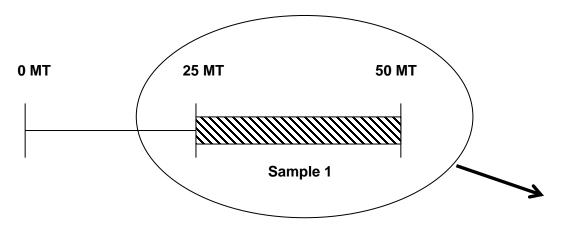
Additional Slides



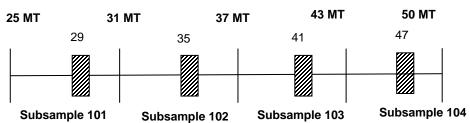


~50% of haul sampled for species composition (all species).

Two-predominate Species Subsample (example Hake + dogfish)

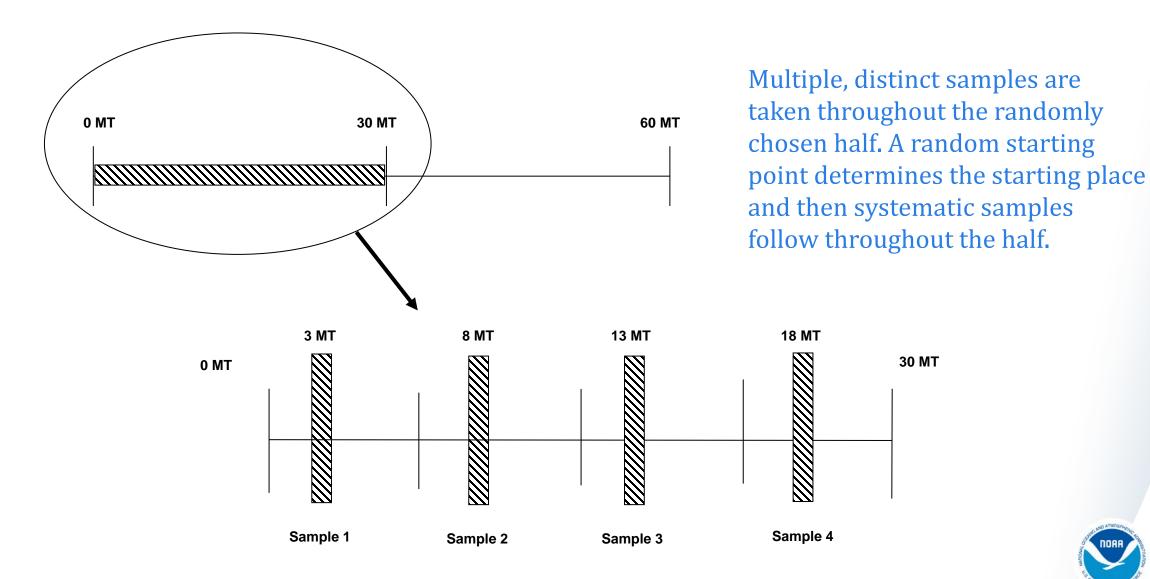


~50% of haul sampled for species composition, 2 species in highest abundance are subsampled to determine the relative proportion.



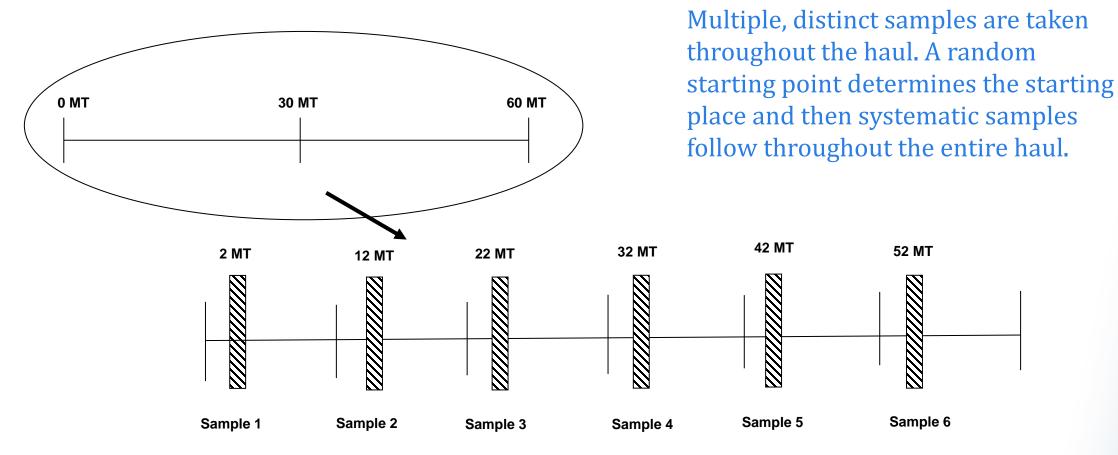


Random Systematic Samples (for high species diversity)



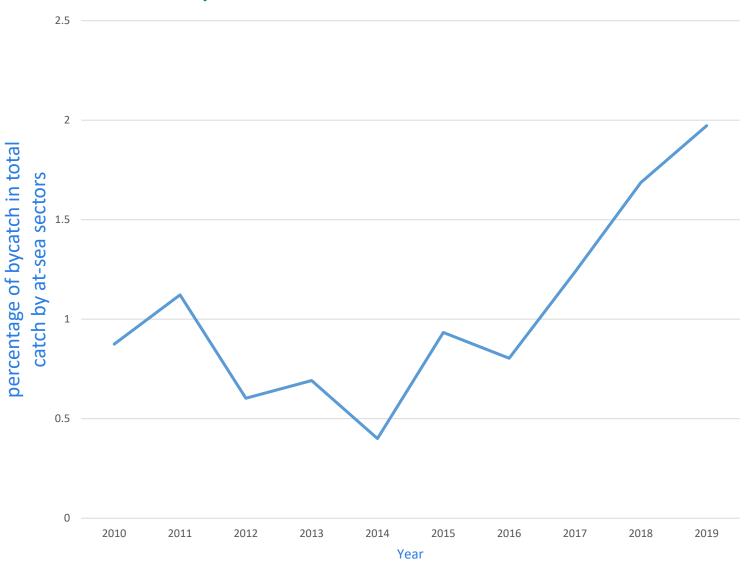


Random Systematic Samples (for high species diversity)





Bycatch as a % of Total Catch





Sampling Rate 2019

