

# Groundfish Biosampling Review

Technical Working Group Meeting

June 20<sup>th</sup>, 2022

# Meeting objectives

1. Reduce the scope of the biosampling review
2. Identify relevant information to include

# Motivation for the biosampling review

1. Rob Tadey requested (verbally)
  - Target counts for commercial specimens by species
  - Ranking of species by priority for sampling
2. Note that the RSIA is outdated
  - Does not reflect current GMU needs (per Rob)
  - Extends beyond the scope of Groundfish Science (e.g. review of ageing lab capacity)

# Proposed biosampling review objectives

1. Visually summarize commercial specimens
2. Identify counts of commercial specimens used in recent assessments
3. Describe temporal trends in commercial specimen counts

# Proposed biosampling review format

1. Visual compendium summarizing specimens by species
2. Summary of last assessment type and specimens used
3. Discussion of specimen count trends and implications

## Proposed resolution

- Primary unit: Species
- Temporal: 1996–2022
- Spatial: GMU areas (assuming adequate for stocks)
- Fishery: Commercial (possibly split RTV/Wet/Hook)
- Specimens: Length, weight, maturity, age, sex

## Out of scope

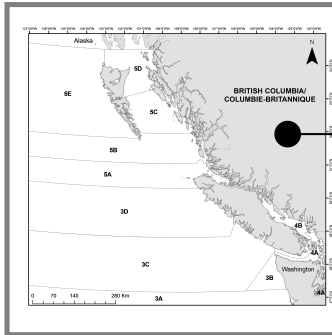
- Review of current biosampling protocols
- Evaluation of current biosampling protocols
- Recommendations for updating biosampling protocols
- Review of survey sampling or survey protocols
- Identification of sampling objectives or priorities
- Determination of specific target specimen counts
- Simulation of assessment sensitivity to specimen counts
- Review of sclerochronology lab capacity

Preliminary template: one page per species



## Species Information

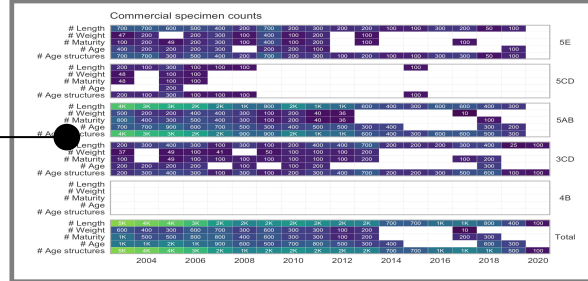
- Last Res Doc [[link](#)]
- Last SAR [[link](#)]



- Approximate GMU areas
- Assessment boundaries

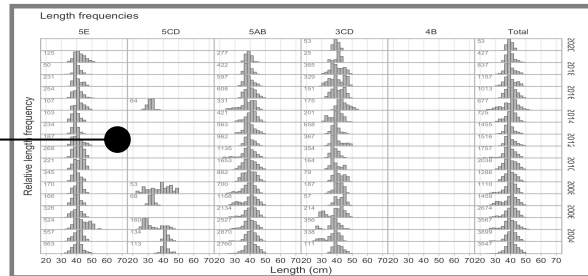
Assessment specimen counts

Specimen counts by type & area



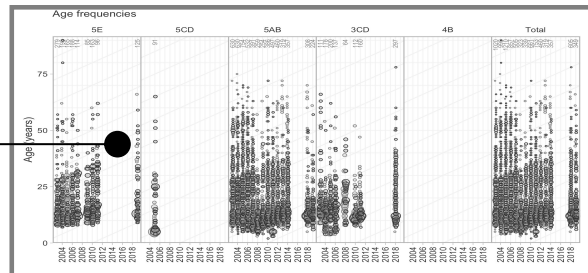
- Specimen count trends
- Specimens by sex/unsexed

Length frequencies by area



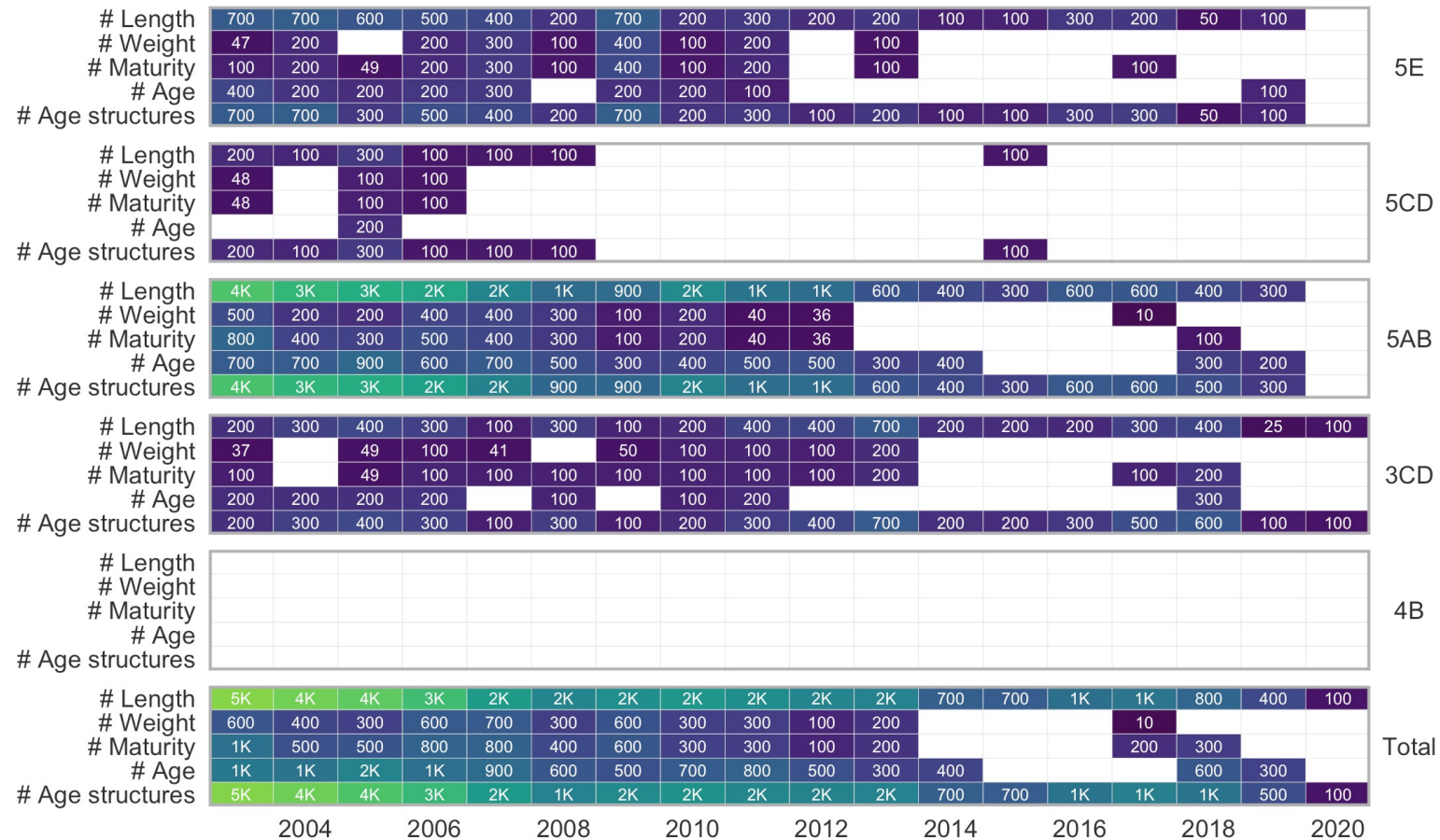
Additional trends or summaries

Age frequencies by area

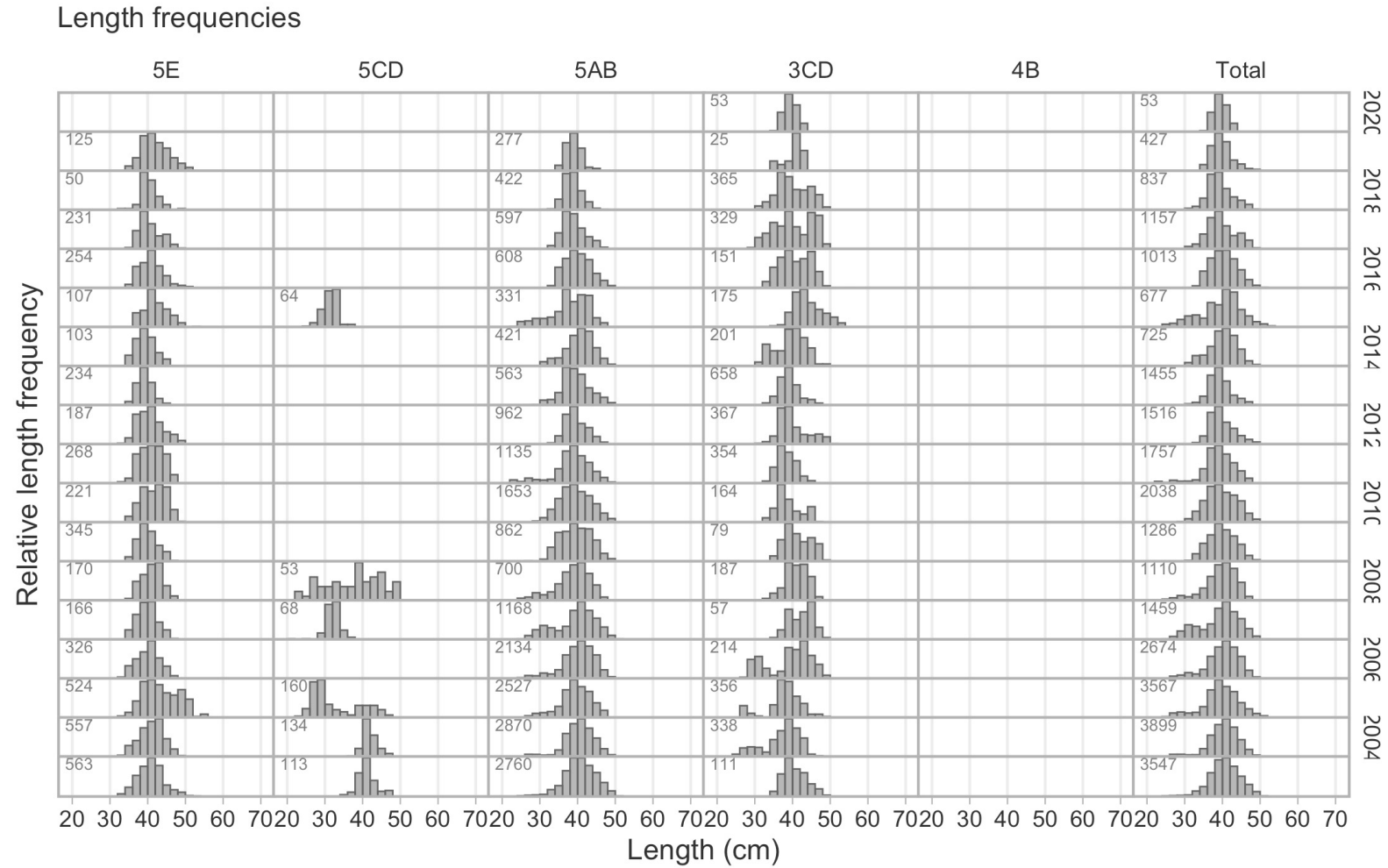


# Specimen counts by type and area [POP]

Commercial specimen counts

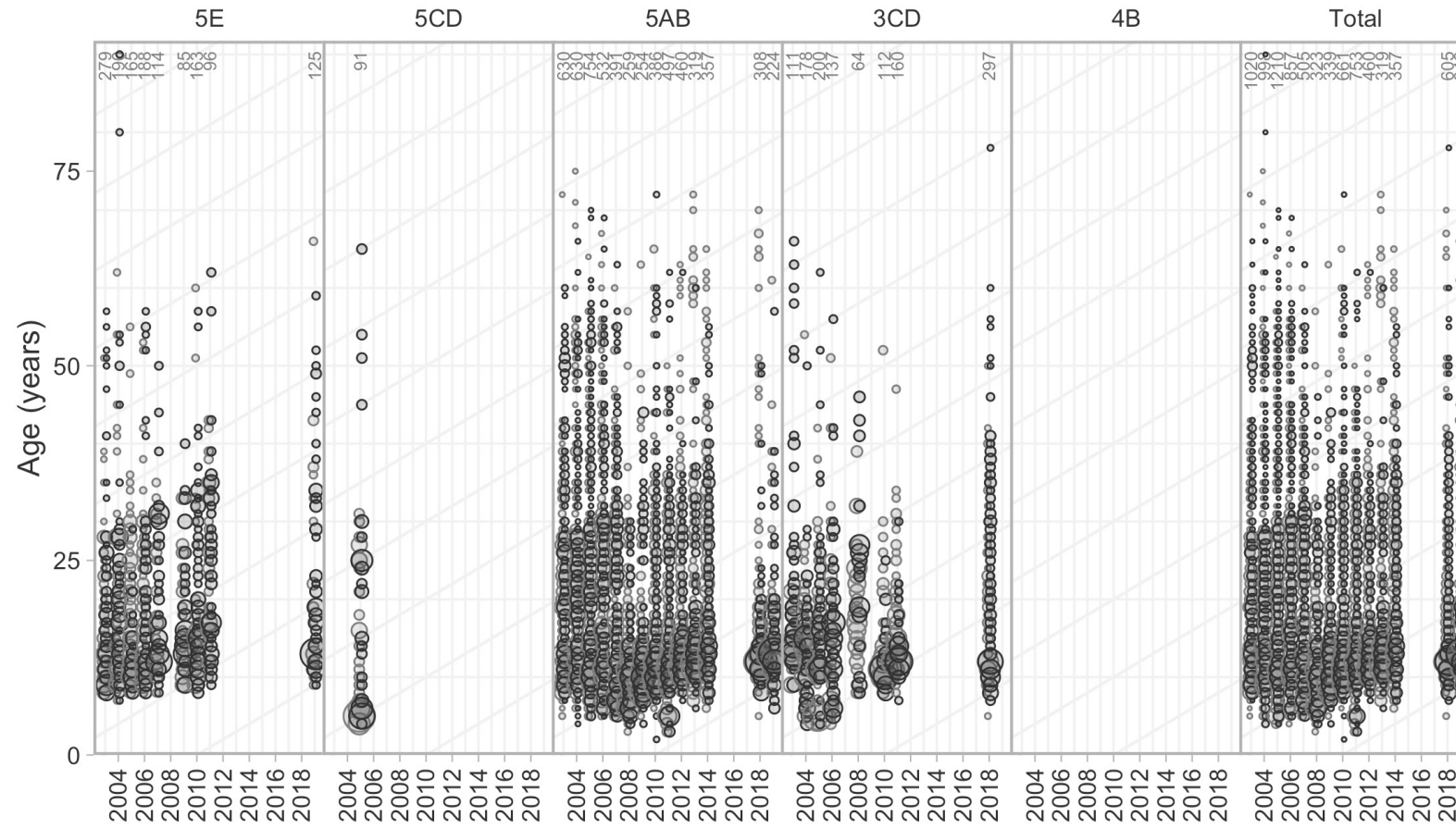


# Length frequencies by area [POP]



## Age frequencies by area [POP]

## Age frequencies



Discussion of objectives and format

## Proposed CSAS process

1. Science Response: overall trends and discussion
2. Research Document: trends, discussion and species summaries

Questions for the working group

Which species should be included?



What additional trends or summaries should be included?

Does the biosampling review need a project initiation document?

What key steps should be taken next?

Who should be part of the technical working group?

When should the technical working group meet next?