**North Pacific Research Board**

**Core Research Program**

**Semi-Annual Progress Report**

Project number: 2301

Project title: Ageing Pacific sleeper shark

Principal Investigator(s): Cindy Tribuzio (AFSC – lead), Daniel Stewart (ARC), Darcie Neff (AKBiomap), Allen Andrews (Age and Longevity Research), Taylor Broek (WHOI)

Reporting period: July 2024 – December 2024

Submission date:

Please check all boxes that apply to the current reporting period. All forms and additional directions can be found at <http://www.nprb.org/core-program/annual-project-requirements/>

XX **Project progress is on schedule**.

**Project progress is delayed**. Please provide detail on impact to the project objectives and plan to resolve them. Major changes to the approach or objectives require NPRB approval.

**Re-budget request**. Required for reallocations over 10% of the total budget amount. Contact your Program Manager for a rebudget request form.

**No-cost extension request**. Submit at least 30 days prior to the end date of the project. Include the reason for the delay, the anticipated funds left at the original end date, and a revised end date.

XX **International travel**. All international travel must be approved by NOAA prior to booking, even if it was included in your approved project budget. Allow a minimum of three months processing time for NOAA approval. Contact your Program Manager for details.

**Personnel changes**. Provide CVs for proposed PIs and a description of the potential impact to the project.

Please answer the below questions with a level of detail proportional to the outcomes of the reporting period.

1. Summarize any accomplishments and significant results relating to your project objectives.

In this reporting period we have established a new lab space for delaminating eyes, including running a 3-day workshop, we have a contractor actively working through the frozen eyes to produce layers for the 14C and stable isotope analytics. We have run the first batch of samples for 14C analytics and evaluated results to confirm our updated procedures are successful. One of the early test eyes yielded 14 layers, which had 14C results similar to the expected environmental curve. With the new lab procedures we are able to measure the diameter of each lens layer, which is value-added data. Lastly, we are planning a PI meeting for Feb 2025.

2. List any products for this current report. This includes publications, presentations, technology, websites or other products as appropriate. Additional documents with images, tables, charts or other graphics may be included in this section.

None yet. The lead PI is developing a standardized report for collaborators that will provide progress reports each time new data are added. These reports will be available on the project github page.

3. Describe outreach activities and list any media-related press during the reporting period. Include any hyperlinks to online resources such as news links, lesson plans, blogs, etc.

“Determining shark ages with eye lenses” AFSC News blog post: <https://www.fisheries.noaa.gov/feature-story/determining-shark-ages-eye-lenses>

The lead PI organized and ran a “shark camp” for a group of local elementary students (August 2024). This was a test of curriculum to add to AFSC outreach activities and very well received.

4. Additional PI comments.

The Lead PI is planning international travel for May 2025 and is working through the process within the AFSC