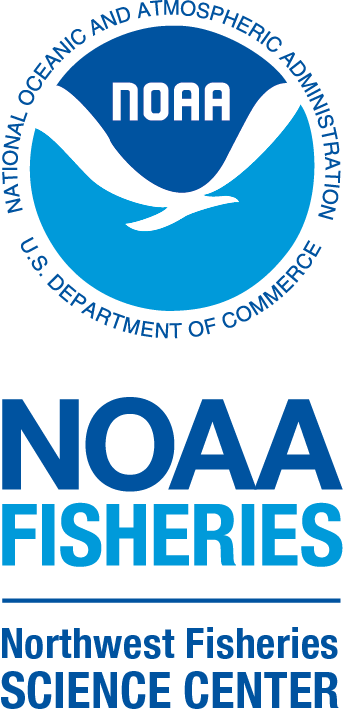
|  |  |
| --- | --- |
| From | Kate’s understanding of the Meeting |
| To | Shallin Busch Paul McElhany, Mike Maher, Danielle Perez |
| Date | Wednesday 2021.02.24 (Last Draft) |
| SUBJ | Respirometry Narrative |
| Drive | https://drive.google.com/drive/folders/1sMiXNW6YCKHZoMop1wlQl-i1HPmBZEEW?usp=sharing |
| REPO |  |
| Study | 2019 Krill Exposure Cross Study |

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**Table of Contents**

1. Respirometry Protocol Description & Refresher
2. Placeholder

**1.0 Respirometry Protocol Description & Refresher**

**1.1.a Respirometry and Project End Goals.** Four lipid samples from each MOAT at the end of the study. Whole body “MORTs” were measured to get a sense of the size for the animals as the study progressed. The termination of the study was biomass dependent.

**Other Samples Collected for Lipids Analysis.**

A wild cohort was measured for both their size and wet weight.

72 animals were selected for respirometry

112 other animals were prepared for lipids analysis (including wild cohort)

184 total number of animals were sent for lipids analysis

|  |  |
| --- | --- |
| Google Drive | Lipids Documents (Louise Copeland Lab) |
| https://drive.google.com/drive/folders/1ViSaymvzDdrf1Xu2ZRz79vqYLQRvC6lp?usp=sharing | |
| Google Drive | Lipids Documents (NWFSC prepared documents) |
| <https://drive.google.com/drive/folders/1yDILSlUahFfrmPkOjkfjW2OcTXI-o0p1?usp=sharing> | |
| GitHUB | (McElhany Repository) |
| https://github.com/pmcelhany/krill\_lipids.git | |

**1.1.b Project’s End Respirometry Trials** **Determination**

19 vials (volume 28.06mL) were available

Four trials were conducted over two day

Two blank vials were included per trial

“Krill Doctrine” was employed to determine how best to distribute krill across trials

**Krill Doctrine**

Fast krill for 24hours prior to respirometry and lipids analysis preparation

Choose MOATs with the lowest number of animals remaining for the first round(s) of respirometry and follow on preparation for lipids analysis

Balance between MOATs across days of respirometry

Balance between Treatments when choosing which respirometry round

Must achieve 4 vials per MOATs

Achieve 15-20 animals across treatments for respirometry

Wait until Night Time Conditions begin for the Krill to start Respirometry Trials. The night period for krill began at 1230pm.

**1.1.c Project’s End Respirometry Trials** **Description**

Placeholder

Placeholder

Placeholder