

Quarterly Project Report

1. Team Identification

Project Team: Marine Ecosystem ▼

Budget Year: 2019

Quarter: Q3

2. Scope - Highlights of the Period

Person Days: 0

Accomplishments

Deschepper

Registered to present results at the upcoming International Glaciological Society 2019 Sea Ice symposium in Winnipeg, and Sentinelle Nord annual scientific meeting in Québec.

Finished the coupling between pelagic (water column) and sympagic (sea ice) model components.

PierreJean

Analysed epifauna organisms clustering to find communities in the HB system and completed the identification of infauna organisms.

Schembri

Set up collaboration with UQAC for elemental analysis of Arctic cod otholits.

Started monthly meetings with BaySys students at Université Laval.

Continued spatial analysis of zooplankton in Hudson Bay.

Started writing the freshwater winter refuge hypothesis paper.

Matthes

Passed PhD program requirement (candidacy exam).

Performed maintenance of lab instrument (spectrophotometer) for analysis of BaySys samples (measurement of absorption of light by particles in the water column).

Continued analysis of samples of particulate absorption collected during the fall cruise in 2016 and Churchill winter camp in 2017.

Jacquemot

Continued lab experiment for sorting *Micromonas* cells from our Baysys

samples using a Melody flow cytometer. DNA of sorting cells were extracted and sequenced and metagenomic reads are now available for analysis for chapter 2.

Analyzed data and started the redaction of the first article of his PHd project.

Lee

Completed analyses to estimate primary production from carbon and nitrogen uptake samples collected during BaySys cruise 2018.

Still assessing the data with respect to oceanic processes in Hudson Bay.

Barbedo de Freitas

Calculated primary production derived by remote sensing using the Takuvik model between 2002 and 2018 in Hudson Bay.

Evaluated AOP and IOP measured in situ during the spring-summer transition of 2018 in Hudson Bay.

Almost finished the article titled: "Strong variability of the marginal ice zone blooms in the Hudson Bay System".

Missed Targets

None for this quarter.

3. Activity Tracking

<i>ID</i>	<i>Task</i>	<i>% Complete</i>	<i>Status</i>
41	Task 3.1 Assess the timing of Primary ...	90	Main sampling was done during the 2018 Amund
42	Task 3.2 Estimate the magnitude of Pr...	90	Main sampling was done during the 2018 Amund
43	Task 3.3 Evaluate nutrient processing ...	90	Main sampling was done during the 2018 Amund
44	Task 3.4 Phase 1 Biogeochemical mod...	100	Completed.
45	Task 3.4 Phase 2 Biogeochemical mod...	90	On track.

4. Risk And Issue Updates

<i>ID</i>	<i>Risk Event</i>	<i>Status</i>
16	Cancellation of the summer cruise	Main sampling was done during the 2018 Amunds

5. Budget Information

CURRENT QUARTER SPENDING


Amounts are the cumulative totals to the end of the reporting period.

1. Salaries and Benefits		
a) Graduate Students	\$32,376	HQP Salaries
b) PDF's	\$0	n/a
c) Technical Staff	\$17,772	RA Salaries, and Scholarship for undergrad hires (lab tech)
2. Equipment or Facility		
a) Purchase or Rental	\$0	no expense
b) Operations and Maintenance Cost	\$0	no expense
3. Materials and Supplies	\$1,486	Material and chemicals for laboratory and fieldwork
4. Travel Expenses		
a) Conferences	\$0	no expense
b) Field Work	\$0	no expense
c) Project Related Travel	\$2,235	Travel expenses for Tremblay's lab
d) Central Planning Meetings	\$0	no expense
5. Dissemination Costs	\$0	no expense
Total	\$53,869	

OTHER ORGANIZATIONS IN-KIND CONTRIBUTIONS

Organization	Contribution	Description
University of Laval	15,000	Contribution from Laval University
Total	\$15,000	

6. Budget Explanation

<i>Budget Statement</i>	All expenditures have been done according to schedule. The only deviation from th
<i>Cash Contributions</i>	
<i>Expenditure Tracking</i>	 Click here to attach a file

NEXT QUARTER PROJECTION

The following are projected amounts for the next quarter.

1. Salaries and Benefits		
a) Graduate Students	\$32,376	Salaries for HQPs.
b) PDF's	\$0	n/a
c) Technical Staff	\$17,770	RA Salaries, and Student Scholarship for undergrad tech (Archar

2. Equipment or Facility		
a) Purchase or Rental	\$0	no expense
b) Operations and Maintenance Cost	\$0	no expense
3. Materials and Supplies	\$1,500	Chemical and materials for lab analysis
4. Travel Expenses		
a) Conferences	\$5,000	IGS and other conference participation
b) Field Work	\$0	no expense
c) Project Related Travel	\$0	no expense
d) Central Planning Meetings	\$0	no expense
5. Dissemination Costs	\$5,000	HQP manuscript publications
Total	61646	

7. Research Team

Team Member	Overview of Participation and Scientific Contributions
Frederic Maps	Supervising and training HQP Deschepper.
Jean-Eric Tremblay	Supervising nutrient database and supervising HQPs Deslongchamps, Gagn...
Louis Fortier	Supervising and training HQP Schembri.
Simon Belanger	Supervising and training HQP Barbedo de Freitas.
Connie Lovejoy	Supervising and training HQP Jacquemot.
Philippe Archambault	Supervising and training HQP Marie PierreJean.
C.J. Mundy	Supervising and training HQPs Matthes and Dalman.
Gabriele Deslongchamps	Working on nutrient database, coordinating planning, reporting, communic...
Jonathan Gagnon	Continuing analyzing samples at Laval University.
Sylvain Blondeau	No more work to be done.
Inge Deschepper	Working on her project.
Sarah Schembri	Working on her project.
Loïc Jacquemot	Working on his project.
Lucas Barbedo de Freitas	Working on her project.
Janghan Lee	Working on his project.
Lisa Matthes	Working on her project.
Laura Dalman	Completed and graduated her MSc. New RA with BaySys

8. Other

Please provide any additional information/comments as required.

[<< Reasearch Team](#)

Before submitting the form, please confirm that the information contained in this report is complete and accurate to the best of your knowledge.

Upon clicking submit the report will be saved as:

BaySys Quarterly Status Report - Marine Ecosystem 2019 Q3

Submit

It will then automatically be sent for review and approval by the project team.

Txt Report Status:

Draft In Progress

