

**COASTAL FUND AGENDA**

Associated Students

Tuesday, 5/15/18, Nati Conference Room

**CALL TO ORDER** 6:04 by Tristen, minutes recorded by Hannah

# ATTENDANCE

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Note:**  absent (excused/not excused)  arrived late (time)  departed early (time) | **Name** | **Note:**  absent (excused/not excused)  arrived late (time)  departed early (time) |
| **Tristen Thron**  **Chair** | **Present** | **Jem Unger Hicks**  **Outreach Coordinator** | **Present** |
| **Matias Eusterbrock**  **Co-Chair** | **Present** | **An Nguyen**  **Outreach Coordinator** | **Present** |
| **Aral Greene**  **Undergraduate Rep** | **Present** | **Senate Liason** |  |
| **Jordan Gallagher**  **Undergraduate Rep** | **Present** | **Rebecca Nishide**  **Administrative Assist** | **Present** |
| **Maria McCausland**  **Undergraduate Rep** | **Present** | **Hannah Bone**  **Administrative Assist** | **Present** |
| **Alana Ayasse Graduate Student Rep** | **Present** | **Sarah Siedschlag Advisor** | **Present** |
| **Courtney Thomas**  **Graduate Student Rep** | **Present** |  |  |

1. **COMMITTEE BUSINESS**
   1. **Approval of Attendance and Proxies** *MOTION/SECOND: Tristen/Aral Motion language: motion to approve the attendance ACTION: Consent Additional approval required: YES (Senate)*

# Approval of Minutes

*MOTION/SECOND: Tristen/Jordan Motion language: motion to approve last weeks minutes*

*ACTION: Consent Additional approval required: YES (Senate)*

# PUBLIC FORUM

(Announcements, appreciations, concerns, requests to have items added to agenda)

# REPORTS

* 1. **Advisor Report: Siedschlag**
     1. Interviews for admin assistant soon

# Chair Report: Thron

* + 1. New board member: Kate
    2. Selected new board members!

# Senate Report

* 1. **Administrative Report: Nishide**
  2. **Coastal Service Program Report: Bone**
  3. **Outreach and Education Report: Unger Hicks & Nguyen**
     1. Gala Invitations sent out
     2. Future event: ACIDD is having Aquatcathertic (?)
        1. music, art, film, magazine
        2. UCSB Marine Biotech Patio June 8th 6-11

# Sub-Committee Reports

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# AGENDA

* 1. **Approval of Agenda/Additions to Agenda**  *MOTION/SECOND: Tristen/Aral Motion language: motion to approve the agenda and additions ACTION: Consent*

*Additional approval required: YES (Senate)*

# OLD BUSINESS

* 1. **(item)** *MOTION/SECOND: (name)/(name) Motion language: ACTION: Consent*

*Additional approval required: YES (Senate)*

# NEW BUSINESS

* 1. **Annual Reports Printing costs $96**

*MOTION/SECOND: Tristen/Courtney Motion language: motion to approve the annual report printing cost for $96 ACTION: Consent*

*Additional approval required: YES (Senate)*

* 1. **(item)** *MOTION/SECOND: (name)/(name) Motion language: ACTION: Consent*

*Additional approval required: YES (Senate)*

# DISCUSSION

* 1. Date for Retreat
     1. June 5th possibly
        1. Check with new board members
     2. 1 on 1’s
        1. Alana→ Graduate Student
        2. Kate (B.S, envs) → Tristen
        3. Lauren (Geography/ES or Bio) → Jordan
        4. Angela→ Aral
  2. Site Visits
     1. Tristen- Nature Center
        1. Very fancy
        2. Intern was friendly and knowledgeable
     2. Maria & Courtney- NCOS
        1. See the site and the student workers
     3. Aral
  3. Next Year Chair

1. May 29th Event/meeting
2. Talk to Phoebe about it
   1. Chair duties
      1. two office hours
      2. make the minutes
      3. Sign stuff
      4. go to senate once a quarter
      5. Chair meeting once a quarter
      6. once a quarter UC Natural reserve meeting
   2. Vice Chair
      1. Retreat planning
         1. Relating to new board member
         2. acting as the chair if the chair can not

*MOTION/SECOND: Courtney/Tristen Motion language: motion to nominate Jordan Gallagher as Chair starting Fall 2018 ACTION: Consent*

*Additional approval required: YES (Senate)*

*MOTION/SECOND: Tristen/Alana Motion language: motion to nominate Maria as the Vice Chair of Coastal fund starting fall 2018 ACTION: Consent*

*Additional approval required: YES (Senate)*

# PROJECT REVIEW

Project Title: SPR 18-13 Effect of nutrients leached from mud from recent mudflows on phytoplankton bloom

dynamics in the Santa Barbara Channel Sponsoring Organization: MSI

Presenter Name: M. Debora Iglesias-Rodriguez

Summary: The unique circumstances at the end of 2017 led to prolonged fires along the Southern California coast followed by intense rain, which resulted in extreme and unforeseen

mudflows on January 9th into the coastal ocean in the Santa Barbara Channel (SBC). The coupling of terrestrial and marine systems, via flow of terrigenous material into coastal waters through networks of streams and rivers, as well as mudflows means that what happened on land, for example fires, farming practices, urbanization, and storms can have a profound effect on marine ecosystems. The SBC has been experiencing an extreme input of nutrients from the January 2018 mudflows as well as human clean-up efforts that have been depositing mud on beaches, leading to extraordinarily high levels of marine bacteria (https://[www.countyofsb.org/asset.c/3695).](http://www.countyofsb.org/asset.c/3695)) We propose to evaluate the ecological impact of nutrients originating from mud on the marine phytoplankton composition and succession dynamics.

Presentation Notes:

# Presentation Notes

* + Explore nutrients leached from mud into ocean
  + Increasing frequency of fires affects Carbon cycle
    - Mud flow, floods, storms increasing frequency as well
    - Input of organic matter causes chemical change from bacteria
    - Can have hypoxia, acidification
  + With the input of organic and inorganic inputs can see a shift in ecosystem services
  + Concerned about specific algal blooms - one specific harmful type that kills animals/plants/ causes acidity
  + Relatively low risk/high reward research, but also this is a new system so a challenge is coming up with protocols to test questions
  + Talking to soil biology/chemists
    - Have peers with relevant background evaluate protocol
  + Mud is not her background, but she likes collaborating, has been branching out lately
    - Recently collabed with earth science to study oil impacts
    - Ash deposition effect on phytoplankton growth
    - History of working with geologist - long term acidification, volcanism
  + Doing field sampling from plumes and blooms in LTER
    - Long term sampling
    - Sampling from pier - pH, turbidity, phytoplankton samples for direct impact of dumping
  + Will do manipulation experiment with phytoplankton connected, taxonomy, different types of analysis
  + Collecting organic/inorganic nutrients,
  + Data will be presented by Avery, undergraduate
  + Undergrad Avery: has been in lab 9 months, will continue
  + Is excited to have opportunity to be part of something so long term
    - Fundraising, research, coauthoring
  + Been passionate about anthropogenic effect on natural mechanisms, specifically fits his interests

Board Questions:

* + Do you have any nutrients/phytoplankton data from before the mudslide/fires?
    - No, using plumes and blooms and LTER
    - From goleta beach they do not have nutrients from goleta beach
    - Have data from other peers
  + Have you been in communication with ACIDD cruise?
    - Her students participated in is so she is familiar with the data
    - About ash composition though, not the same as this experiment
  + If you do find a difference in nutrients and phytoplankton, how will you connect that to the mud?
    - We will not be able to compare to phytoplankton before at pier, but there is available data for channel. At Least 15 years of data
    - The idea is to look at field observations
    - May be constrained by time, but could start in the middle of the summer and use the communities of different times of the year to study the mud
  + Hope to attract additional students, how do you hope to continue this?
    - Relatively modest data, mud is complex so the idea is to do tidal control experiments
    - Want to reach out to other fields to more fully analyze, there are so many experiments that they can not do
  + Have you looked at any other analogs for data that might be similar to this? Since mudslide is not commonly studied
    - She does not think there is because there is so much material in the mud
    - Different than run off that is specifically a lot of fertilizer
    - Does not have a comparable analog
  + Avery will be working for 24 weeks, sylvia is only requested for 2 months, who will be overseeing avery?
    - So sylvia is already working closely together but to really get avery in a position to where he can run a sample analysis, we will run sampling together
    - Sylvia will be working the whole time but the plan is to have Avery kind of take over
  + What items in this project are essential to success? What would your priorities be?
    - Nutrient analysis is expensive, have a nitrate analyzer that is in building that they can use for free
    - Could get by with less Inorganic nutrient analysis, if you have to cut something it would be that

Board Discussion:

\*Board goes into closed discussion\*

*MOTION/SECOND: Tristen/Jordan*

*Motion language: motion to table discussion for spring 18-13 with possible cuts to nutrietn analysis if necessary*

*ACTION: Consent Additional approval required: YES (Senate)*

Project Title: SPR 18-14 Community Compost Pilot Program

Sponsoring Organization: Surfrider Foundation, Isla Vista Chapter (UCSB) Presenter Name: Jacob Bider

Summary: As we aspire to create a clean, consistent system in order to expand efficiently, we have put a lot of thought into the most cost-effective composting system for students to take on

with ease. This is why the quarterly stipends for the student workers is crucial, as they are in charge of collecting composting buckets, bringing them to and from our Malborg bins, cleaning them, updating and maintaining organizational tactics, as well as maintaining communication with partners and clients. The student director who will be in charge of this project’s smooth transitioning and growth will be taking on the head of organization and oversight. This will include excel sheets and communication and planning - it is a big commitment. We feel they deserve a larger stipend. Alongside funds for student workers to keep our program prosperous, we also have listed cleaning supplies and hardware items that we deem necessary to the success of our programs beginnings.

Presentation Notes:

* + Trial run process right now, just started with 10 houses about a week ago, hoping to get funding to expand further to all the houses
  + Give each house a 5 gallon bucket and a week to fill it up
  + Once a week, a volunteer picks up bucket and swaps with clean one
  + Working with marborg, dump into bin that marborg provided, they pick up, at parks and rec
  + Spot with parks and rec to store bins until Marborg picks it up
  + All waste is donated to marborg for composting but eventually wanna transition this to be in IV composting
  + Track data from houses- see what they are composting, check up, let them know if they are composting incorrectly, weigh compost to measure impact
  + Benefits for the program → free snook (?) prizes
  + Trying to make it as educational as possible with tracking whats in the buckets, marking on excel sheet to track
    - Testing different methods
    - Ex. group texts, emails, including the weight
  + Trying to compost more weigh each week
  + Doing surveys
  + Timeline has changed
    - Pilot program will finish this quarter
    - If they receive funding, they will begin paying students to help with buckets in summer - about ten weeks during summer
    - Would continue paying students during fall and expand program
    - Paying students will really help expand
  + Currently have 10 houses
    - Would like to reduce the stipend and go from three student workers to 6 student workers
    - 6 worker could do 50 houses
  + Goals: reach out to NCSD and having them help make it an actual program for IV, discussion would start in fall, continue on in winter and hopefully get it on the elections bill in Spring
  + Target 2nd year students since they’ll be here for the longest possible time
  + Another goal is to make this available to permanent residents in Isla Vista
  + If this grows large enough it could be a model for communites across the nation !

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* + How we feel it connects to the mission
    - Collecting compost that is going to marborg that will be applied to orchards around the area
    - By using compost youre reducing chemical fertilizer runoff into the ocean
    - Reducing waste from landfills that would add less methane to the atmosphere
    - The landfill that would be taking this is expected to be full by 2026 so the county is looking for places to put organic waste
    - Total movement to get compost in communities
    - Minimal contamination in our buckets
  + With the grants we received we have purchased a number of supplies, but really only covering ten houses for the trial run
  + Asking for more supplies to make the program more efficient - on new version of grant???
    - Better lids to make the project more appealing to students
    - Compostable trash bags
    - Whiteboard markers
    - Second bike
    - Stipends very important for students, can’t rely on student volunteers forever
    - Manager to be in charge of excel sheet and communicating with marborg

Board Questions:

* + With 6 students at 375, would they work the same amount? Switch from $750 now or later?
  + If you were to submit a reallocation, 6 workers working 3-5 hours per week for one quarter?
    - Take one worker 2-3 hours a week to pick up for 8 houses for 10 weeks
    - Reducing the hours per worker
    - 2-3 hours per worker
  + Have you considered reaching out to Co-ops or greek orgs?
    - Met with food co-op months ago, she put him in contact with Tom at Marborg
    - Have not reached out to housing co-ops
    - Greek houses is an idea, working on a green initiative (in his frat?? idk) Not part of this project ?? But tom is willing to put compost into greek houses because greek houses have chefs
  + Could you talk about the $50 program?
    - Food Scraps/compost collection that marborg runs
    - $50 for the service
    - Not in IV because of contamination
  + If you do the $50 program as an individual, do you get a yellow bin
    - In IV they will get contaminated
    - Willing to put them into businesses and in house with chef
    - Not a you pay money and you get it type thing, tom has to approve
  + How are you going to keep this system sustainable? What mechanisms are you going to put in place to make sure this continues?
    - Surfrider is backing, helpful
    - ES listerv
    - Surfrider job position thru surfrider

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* + - Is there someone within surfrider who will act as an advisor, around longer than a student,
  + Is there someone within surfrider who will act as an advisor, around longer than a student,
    - No they want one thought
    - They have directors
    - Tom works with the city and is in contact with us so he's around
    - Intern overlap every year, will be part of what you have to do
    - Tom is very involved and wants to help, thinks he will continue to
  + How many hours a week will student director work
    - Around 6-7 hours
    - Jacob is doing job rn, is a daily job
    - Is difficult to say as of now
  + How many lbs/week, lbs/person
    - 8 lbs, 10 lbs, 7 lbs, 8 lbs of uncontaminated compost from 4 different houses
    - Guides at the houses
    - After this week, only had one issue - food sticker
  + How’d you choose these houses
    - People they know, want to get it going with friends

Board Discussion:

\*Board goes into closed discussion\*

*MOTION/SECOND: Tristen/Jordan Motion language: Motion to table discussion for SPR 18-14. ACTION: Consent Additional approval required: YES (Senate)*

# ADJOURNMENT AT 8:29 PM

*MOTION/SECOND: Tristen/Courtney Motion language:Motion to adjourn meeting at 8:29 PM ACTION: Consent*

*Additional approval required: NO*