## ASsquare_logo.tif Coastal Fund Agenda

## Associated Students

Tuesday, 1/22/2019, Nati Conference Room

**CALL TO ORDER** 6:02 PM by Jordan, minutes recorded by Rebecca and Emily

1. **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) |
| **Jordan Gallagher****Chair** | **Present** | **Jem Unger Hicks****Outreach Coordinator** | **Present** |
| **Jeremy Francoeur** **Undergraduate Rep** | **Present** | **An Nguyen****Outreach Coordinator** | **Present** |
| **Lauren Enright****Undergraduate Rep** | **Present** | **Sarah Siedschlag****Advisor** | **Present** |
| **Angela Chu****Undergraduate Rep** | **Present** | **Rebecca Nishide****Administrative Assist** | **Present** |
| **Kate Mcleod****Undergraduate Rep** | **Present** | **Emily Orr****Administrative Assist** | **Present** |
| **Alana Ayasse****Graduate Student Rep** | **Present** | **Alex Funk****Senate Liaison** |  |
| **Juliette Verstaen****Graduate Student Rep** | **Present** | **Alli Adam****Senate Liaison** |  |

1. **COMMITTEE BUSINESS**
2. **Approval of Attendance and Proxies**

*MOTION/SECOND: Jordan/Lauren*

*Motion language: Motion to approve attendance and proxies from this week*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

1. **Approval of Minutes**

*MOTION/SECOND: Jordan/Lauren*

*Motion language: Motion to approve the minutes from last week*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

1. **PUBLIC FORUM**
* cool eclipse
* 750 new drill sites being proposed locally by ERG comments open until 28th (<http://www.sbcountyplanning.org/energy/projects/WestCatCanyon.asp>)
	+ submit comments to klehr@countyofsb.org
	+ summary of draft EIR: <https://docs.google.com/document/d/1aqXZSTjC1Ik3jJDpjs9JEFy3hlpr09U5npLrj1xBajQ/edit>
1. **REPORTS**
	1. **Advisor Report: Siedschlag**
* Monday the 28th 5-7 PM: Opening reception in the library about the oil spill
* budget needs to be done for next year
	1. **Chair Report: Gallagher**
* Dive fee support recipients are happy
* natural reserve lady excited about potential funding for classes
	1. **Senate Report: Funk & Adam**
* free flu shot in arbor from 11 AM - 1 PM
	1. **Administrative Report: Nishide**
* 11 grants - on the low side
* totals around $132,000, mostly from organizations
* decision meeting: March 5th
	1. **Coastal Service Program Report: Orr**
* restoration projects and beach clean ups
	1. **Outreach and Education Report: Unger Hicks & Nguyen**
* went to nature center at COPR
* met an intern there funded by CF, likes interning there
* Jem went to Underwater Parks Day and was sick, but it was a great event overall
* update on mural: got connected with the grad student who teaches the mural class and Jem and Sarah met with him
* Seems swift and easy, said he would create a budget by Tuesday and we haven’t gotten it yet
	+ will fund through AS stipends as extra curricular
	1. **Sub-Committee Reports**
* subcommittee for CF scholar, and one for NRS. Leave your names below each subcommittee you want to join
	+ NRS
		- Lauren , Jeremy
	+ CF Summer Scholar- Alana
1. **AGENDA**
2. **Approval of Agenda/Additions to Agenda**

*MOTION/SECOND: Jordan/Juliette*

*Motion language: Motion to approve agenda and additions to agenda*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

1. **OLD BUSINESS**
2. **Vice-Chair**

*MOTION/SECOND: Jordan/Alana*

*Motion language: Motion to appoint Lauren as our Vice Chair*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

1. **NEW BUSINESS**
2. **(item)**

*MOTION/SECOND: (name)/(name)*

*Motion language:*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

1. **(item)**

*MOTION/SECOND: (name)/(name)*

*Motion language:*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

1. **DISCUSSION**
	1. (first item)
2. **PROJECT REVIEW**

Project Title: WIN 19-02, Making Adventure Possible for All Students

Sponsoring Organization: Making Adventure Possible for All Students

Presenter Name: Elvia Cruz-Garcia

Summary:

Presentation notes

* Both did STEP (for first gen low income students), Ivan had idea for MAPAS
* Elvia got an opportunity in high school to connect with nature more, and it had a big impact on her lifestyle. Connection to outdoors helped her and her sister, wanted to provide that service for others
* Been emotional for Elvia learning so much about environmental justice
* Undo racism in past and provide opportunity
* Elvia wants to go into climate injustice related career
* Ivan loves the ocean, no POC surfing: economic, cultural, social barriers
* Made him want to get together a group of people who might not be able to get these opportunities
* Made a group to think about what they wanna do
	+ Accessibility
	+ Education, how do we give back
		- Not a lot of diversity in ES
* People who are affected the most by climate change are not so much in the discussion
* Brought in testimonials
	+ In fall 2018, I went on a MAPA camping trip to \_\_\_, it was fun, came from lower socioeconomic status, opportunity his family could not give him, favorite part was bonding with people, new found appreciation for nature, has sparked him to make lifestyle changes to help preserve the environment
	+ Another person's first camping trip, used as gateway to join outdoors, appreciate the organization to allow them to enjoy surroundings
	+ Club helped people branch out, inspire, experience rock climbing and surfing, rippling effect in community back home
* Hope to get first years more inspired to get first year first gens open to different majors that they weren’t previously aware of
* Inspire when young to branch out and make new generation for new jobs environmentally related
* Survey after trip to measure if people are more interested in ES
* Been a lot of hard work, but it's been worth it

Board Questions

* What events have you guys done already, what do you have planned
	+ Camping restoration trip w Adventure Programs at Arroyo Hondo
	+ Surfing trip last weekend, saw dolphins
	+ Done climbing activities with belay training
	+ Prof Luna took them rock climbing at Santa Ynez, learned some geology
	+ Planning Santa Catalina trip- camping and restoration, apply ecology they have learned
	+ Environmental injustice talk
* How do you fund your camping trips, and trips in Santa Catalina?
	+ Primarily started off with negotiating with adventure program
	+ Healthy campus network
	+ Katie Meynard purchased set of 20 camping gear that adventure program will store
	+ GoFund me was one of biggest funding: camping fees, gas, food
* What other professors or mentors have you worked with?
	+ Professor Gee and professor Summer Gray gave Elvia mentorship, they are helping her apply to grants
* Looking for a grad student? Within stipends, is one for a grad student
	+ Original intention was to have a grad student, but dealing with all the other work
	+ Grad student would bring wisdom, mentor
* How do you advertise the camping trips? Within the facebook group?
	+ Putting on facebook
	+ Ask people to share who they know are active
* The majority of funding is going to board members
	+ Elvia was trying to get people to donate with the GoFund Me, partnering with professors, etc. doing more of the outreach coordination
	+ Ivan: deal making, reaching out to resources, delegating, managing, building a team
	+ It has been really hard to get people to commit time despite strong interest because people have jobs
		- Mostly him and Stef
		- Hoping stipends will get more people to be able to spend time, accountability rather than just whoever feels like doing the work
		- Wants grad student to help coordinate leadership roles, still trying to restructure leadership/officer roles
	+ Outdoor coordinator (logistics of trips, sites, transportation), fundraising coordinator (lots of fundraising- CF can’t fund events, taxes), Grant coordinator,(actually writes grants), finance coordinator (money in a lot of places: OSL, GoFundMe; budgeting) Public relations coordinator (social media, registration forms)
* Education aspect: from professor, or students teaching other students
	+ It’s been students teaching other students, but hopefully with grad student it could be a lot more centered around education
	+ Want more professors to participate in the future
* Grad student in mind?
	+ Grad student from the first year they started, but it's hard to keep that connection strong
* Do you need money for supplies?
	+ A big issue with gear is safety; needs to be properly stored
	+ If they get more gear, can they store it? Right now they are good, but can not expand because of liability
	+ Gas is usually coverable, but camping/reservation fees end up being a lot more expensive, has also been hard planning currently because of the government shutdown
* How many more events do you anticipate this quarter
	+ Ultimate goal of going to yosemite
	+ Stargazing org just started last quarter, in communication with them for an event
	+ Hiking with the professors
	+ Want to go to Santa Catalina
	+ Planning a backpacking trip for the officers w prof Luna
	+ People want consistent events, but they’re trying to focus on quality rather than quantity
	+ Another surfing event this weekend to follow up on last weekend
* What other events would be geared towards the coast?
	+ Surfing will be continuous event
	+ Running event: IV to Sands and beyond; smaller groups who want to be there
		- Conversation starts, enjoy coast
	+ Clean-ups as they come
	+ Talking to someone from Patagonia for surf lessons
	+ Kayaking; figuring out who they can pay to make sure they have a safe way to get out there

Board Discussion: Board goes into closed discussion

*MOTION/SECOND: Jordan/Lauren*

*Motion language: Motion to table discussion for WIN 19-02*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

Project Title: WIN 19-03, The Proof is in the Pollen

Sponsoring Organization: EEMB

Presenter Name: Michelle Lee

Presentation notes

* Project is focusing on native bees on campus and in coastal environments
* Takeaway: Its cool that we can understand organisms as ecologists, if we knew what they are eating/doing, we can implement it in restoration efforts
* E-conservation is growing in popularly. We have 1600 native bees in CA
* Pollination shows the health of the ecosystem
* CCBER and conservationists as a whole have done very little to understand arthropods
	+ Preliminary monitoring of 27-30 bees
	+ What are they feeding on?
* Urbanization results in habitat loss for bees
* Is what we’re doing actually supporting arthropods?
	+ Already monitor birds, reptiles, ect
	+ Arthropods are hard, losing diversity
* Need methods beyond individual monitoring
* Pollinmedabar (?) coding is a new method they want to use for the arthropods
* Environmental DNA: take water sample, run through amplification/sequencing
	+ Can detect every organism in that body of water
	+ Can also be done through gut content
* Getting bees off the landscape, getting pollen off their bodies, and scan it and compare it to other organisms online
	+ Can figure out every plant a bee has ever been to
* All of the plants DNA barcodes are in databases online
* Would be comparable to the cost of watching hours and hours fieldworking and watching bees, flowers, etc.
* Want to get undergrads trained in how to be a conservation researcher, from being in the field to learning lab methods, then taking data and creating management information/recommendations
* Teach students how to take real science and implement it

Questions

* Are you doing the DNA sampling on campus or at lab
	+ Extractions done here, second part done at UCB, but all the bio-information would be done here
	+ Working with an undergrad freshman DNA sequencing class
* Could you talk a little about the amount of time the interns will get from you, and the training they’ll get?
	+ Michelle has mentored students for a couple quarters, about 6 or 7
	+ One on one meetings every single week
	+ Training is more intensive at beginning in field, then more independent
		- Same process with the metabarcoding
	+ Poster project will be involved for the students, as well as writing up a presentation
	+ Very heavy handed in mentoring
	+ Bee taxonomy every Friday from 12-5PM. We are more than welcome to come!
* Will this be a chapter of your dissertation, or a side project?
	+ Side project that she is really excited about
	+ Hopes to use these methods in her dissertation but it is currently a side project
* Have you been able to use any of your results in management or restoration yet?
	+ Not yet, don’t have conclusive results yet
	+ Need to submit evidence first
	+ Would be really excited to create a plant list of native/non-native plants that people could plant in their yards for pollinators
	+ Local study has big implications for us
* What are all the sites you will be collecting from?
	+ Megan has four sites on camps
	+ 2 restored lands; lagoon island and in front of MSI
	+ 2 ornamental sites
	+ Hoping to increase the number of sites they do so they can create a more comprehensive list
	+ Want to sample very broadly for these bee species so they can get a good cross-cut look at all the floral nectars they use
* Where was the bomba nest at?
	+ Ice plant in the middle of campus point
* Is there a streamline process written in place?
	+ Ono lab on campus looks at fungi in leaves, so they have a protocol
* Do you anticipate a database of information stemming from this in California?
	+ Short term: build up UCSB checklist, build up locally

Board Questions: Board goes into closed discussion

Board Discussion:

*MOTION/SECOND: Jordan/Juliette*

*Motion language: Motion to table discussion for WIN 19-02*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

Project Title: WIN 19-04, Reef Friendly Aquariums

Sponsoring Organization: MSI

Presenter Name: Marissa Bills

Summary:

Presentation notes

* Largest importer of marine aquarium fish
* Half of all first time hobbyist will leave the hobby after starting
* 90-95% of all marine aquarium animals are wild caught
* Want to help people make connection between animals in wild and in aquarium
	+ Understand implications
	+ Consequences are not widely understood/aware
* Started with website, trying to present alternatives to the hobby, inform people about where the animals are coming from, criteria they’d like you to considered for the best pet, what to do with pets if you’re ready to move on from the hobby (<http://reeffriendlyaquariums.msi.ucsb.edu/>)
	+ Mostly coming from indonesia and philippines
	+ How they get here, mechanisms for catching
* Hoping to do outreach for their website w our funding
* SB is affluent area, reason to believe there are hobbyists in the are to engage with
	+ Environmentally conscious, hope to be receptive
* Hoping to acquire two interns so that they can be involved start to finish
	+ Start by developing what reef friendly aquariums are
	+ Then turning that into outreach material
		- Is it general information, is it a flyer in a hobbyist shop, etc.
	+ Looking to make partnerships with local groups in the community
	+ How to get information into the general public
	+ Will have a tangible “tool kit” for other groups in Sea Grant
	+ Work with other sea grant chapters to spread program out

Board Questions

* Do you have any data on local aquarium data? How big of a hobby is it in SB?
	+ Not sure in SB specifically, hard to get aquarium hobby data in general
	+ Hard to get data on aquarium trade, no accurate number on how many fish get imported
	+ Are about 4 places in SB you can buy saltwater fish
* Are you worried at all about aquarium shops being receptive?
	+ Have been careful with messaging
	+ Not telling people to not buy aquarium fish, trying to give considerations and best practices
	+ Can be good source of income, good commodity for those involved; important economical vector
	+ Some fish are better or worse
	+ Hoping for a bottom-up effect
* Is there any part of aquarium trade that is problematic for our specific ecosystem
	+ There are about 11 very popular fish that could do really well here and could be a problem
* Outside of student interns, what impact do you expect to have that on student populations
	+ Hopefully the REEF, but they haven’t talked to them yet so they left it out of the grant
	+ Scuba club on campus
	+ Interns will know better than her
* How would you go about recruiting the interns?
	+ Department listservs
* What kind of training would the interns get, and what kind of oversight would they get?
	+ Training: pick out papers they should read, work collaboratively so they can contribute ideas, work towards goal
* $400 for outreach, what were you thinking for outreach?
	+ Informational postcards or pamphlets for aquarium, REEF, or retailer (some kind of print material)
	+ Develop a display if they can partner with someone

Board Discussion: Board goes into closed discussion

*MOTION/SECOND:Jordan/Alana*

*Motion language: Motion to table discussion for FALL 19-04*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

**ADJOURNMENT AT 8:41 PM**

*MOTION/SECOND: Jordan/Lauren*

*Motion language: Motion to adjourn meeting at 8:42*

*ACTION: Consent*

*Additional approval required: NO*