## ASsquare_logo.tif Coastal Fund Agenda

## Associated Students

Tuesday, 10/30/2018, Nati Conference Room

**CALL TO ORDER** (6:04 PM) by Jordan Gallagher, minutes recorded by Rebecca and Emily

* **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** |
| **Maria McCausland**  **Co-Chair** | **Present** | **An Nguyen**  **Outreach Coordinator** | **Present** |
| **Lauren Enright**  **Undergraduate Rep** | **Present** | **Sarah Siedschlag**  **Advisor** | **Present** |
| **Angela Chu**  **Undergraduate Rep** | **Absent (excused)** | **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** |  |

* **COMMITTEE BUSINESS**

1. **Approval of Attendance and Proxies**

*MOTION/SECOND: Jordan/Alana*

*Motion language: Motion to approve attendance and proxies*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

1. **Approval of Minutes**

*MOTION/SECOND: Jordan/Maria*

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

*ACTION: Consent*

*Additional approval required: YES (Senate)*

* **PUBLIC FORUM**

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

* **REPORTS**
  + **Advisor Report: Siedschlag**
* nothing
  + **Chair Report: Gallagher**
    - Sent recruitment email out to several listservs (see list in recruitment folder)
    - Co-sponsorships
      * will no longer be funding outside organization co-sponsorships or attending events
    - Data says we can do long term funding, want to make subcommittee
      * lauren interested, Jordan also interested, Sarah & Rebecca will help
    - potential summer program
    - we gave 4 organizations about 30% of our total budget every year except last year
      * last year the 4 only got 10%
  + **Senate Report: Funk & Adam**
* not present
  + **Administrative Report: Nishide**
* nothing
  + **Coastal Service Program Report: Orr**
* CSP sponsored events in res halls?
  + maybe sponsor a banquet if they do a beach cleanup
  + or sponsor an event that aligns with mission statement
* Volunteer beach cleanups?
* do not think we should pay same for beach cleanup and restoration
* sponsor through adopt-a-block
* support opening up what we have to different organizations rather than adding new programs
  + will look into ordering new supplies
  + look into AS transferring funds to res halls
  + **Outreach and Education Report: Unger Hicks & Nguyen**
* Coastal fund board position is on website
* Halloclean went well, attendance decreasing over years
* paddle out from Campus Point to Dev, maybe partnering with surfrider
* looking for ideas for outreach activities
* mural project/art contest
  + reach out to rodney about securing a wall
  + talk about remaking signs
* <http://www.ivparks.org/mural-project/locations/>
* <http://www.ivparks.org/mural-project/>
* create a pamphlet/magazine to show people Coastal Fund
  + **Sub-Committee Reports**
  + Long Term Funding
    - needs to be competitive, but also demonstrated value and reliability must be shown
    - Kate
    - Rebecca
    - Alana
    - Jordan
    - Lauren
  + Summer Scholar
    - Juliette
    - Jordan
    - Lauren
  + hiring committee: Maria,Jordan , Sarah
    - application opened last friday
    - deadline is November 9th (2 week opening)
    - 10th/11th jordan will organize
    - 13th: pick who to interview
    - 13th-Thanksgiving will be interviews
    - want to have a final candidate by 16th to fill Maria’s spot to attend decision meeting
    - maybe set up a mentor for new board member
* **AGENDA**

1. **Approval of Agenda/Additions to Agenda**

*MOTION/SECOND: Jordan/Maria*

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

*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. **$100 for Facebook/Instagram Boosted Posts**

*MOTION/SECOND: Jordan/Lauren*

*Motion language: Motion to approve $100 for Facebook and Instagram boost posts.*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

* **DISCUSSION**
  + New Board Projects discussed in subgroup section
* **PROJECT REVIEW**

Project Title: Fall 18-06 : Coastal Biodiversity and Restoration Research and Monitoring Internships

Sponsoring Organization: CCBER

Presenter Name: Lisa Stratton

Summary:

We are requesting grant support for 5 interns each in the winter and spring quarters and 2

interns in the summer to develop skills in restoration and assist CCBER in enhancing and

restoring coastal resources for which we receive relatively little campus funding. During

the Winter and Spring interns will get a crash course in plant identification and

restoration planting and weeding and site preparation. Spring and Summer interns will

assist with monitoring, seed collection and data analysis work.

Presentation Notes:

* Been really great so far, students really get a lot out of it
* Third year applying
* Some students have tons of initiative, Lisa does not have enough time to give them all the time they need for the ambitions
* Most students are doing this for the learning experience/process
* Have money for (Ryan?) because of NCOS project, he is working with really enthusiastic interns
* Interns are now mentoring about 5 other interns
  + Gaining independence/confidence performing these duties
* So many project ideas for these interns
* Experimental biochar plots that we helped pay for is a possible mentorship project
  + Study co benefits, ability to offset environmental destruction
* Just got a grant from US Fish and Wildlife for lupin work, students will be involved
* Michael Love is awesome
* boulder revetments are sinking
* Montecito debris gave Everett the cobble revetment he wanted

Board Questions:

* Are these usually projects you suggest to students, or do they come up with the ideas on their own?
  + Mixture of two
  + Basic monitoring that CCBER wants to do, brainstorm ways to apply individual student interest/specialization to that monitoring
  + Some people are just learning to monitor
  + Some students do have discrete projects
  + Haven’t done much restoration experimentation because it’s a long process
* Is there any final product from students in the past? (Posters, papers, publications, etc.)?
  + Mostly put things on e-scholarship
  + Research tab on CCBER links to e-scholarship list, there are some student papers from this
  + Have not linked up to URCA lately, but have in the past
  + Depends on how much time/expertise student can apply
  + Some students will co-author NCOS papers about soil
  + Big vision goal is to produce more scientific papers, but she likes doing restoration
  + Wants CCBER to have post docs so that people can focus on students and not their own agendas
* Do you think that one quarter is enough for one project?
  + Often time students will work for multiple quarters
* Three is manageable for the mentor?
  + yes
* What do you think of a long term funding program for groups that come to you regularly
  + Thinks it would be cool
  + Would make it dependable and consistent
  + Presumably projects would be allowed to change
  + Would allow some level of creativity
  + Staff could have internal mechanisms for what they think they should be doing with the money, give staff more leadership if she did not have to have strong control over what she is requesting

Board Discussion: Board goes into closed to discussion

*MOTION/SECOND:Jordan/Maria*

*Motion language:Motion to table discussion for FALL 18-06*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

Project Title: Fall 18-07 : CCBER - Campus Point Iceplant Conversion and Restoration Internships

Sponsoring Organization: CCBER

Presenter Name: Lisa Stratton

Summary:

The goal of this project is to continue with the successful restoration of Campus point

where the majority of the area is dominated by a mono-culture of highway iceplant

(carpobrotus edulis). The goal of the project is to build on the 6/10 th of an acre already

completed over the past 3 years and to expand that to an adjacent 15,000 square foot area

(see map in supplemental materials). Restoration would focus on long-lived coastal sage

and coastal bluff scrub vegetation with diverse flowering times to support pollinators,

birds and other wildlife. In addition to restoring rare coastal habitats the project will

enhance the aesthetics of campus point while not impacting views; and enhance people’s

understanding of the land use history of the site with interpretive signage. The previous

6/10th of an acre project was funded by the Santa Barbara Foundation through their

environmental grant program known as LEAF that is no longer in operation.

Presentation Notes:

**\***Sounds like Angela Chu (Board member) will be getting money from this grant, she is out sick

* Current work done funded by Fund for Santa Barbara, funding closed
* Lagoon gives them the opportunity to do things small scale
* Good project because it takes on another small segment of a larger scale
* There is a $500,000 grant that they want to apply for iceplant lagoon, but currently using it for something else
* Want to use this grant as “demo” or proof of project before applying this for the $500,000 grant
  + Going to get rid of skate pad and restore dunes
* Funding mostly student salary, oversight of their work, and some supplies
* Want a sign, high profile place to have a sign, but if anything was cut that would be preferred cut
* Most of salary will be covered by lagoon management money
* Students involved are excited
  + Were already involved under other grant and burn project

Board Questions:

* Are some of the students that worked on burn/other ice plant still around?
  + Yes, usually stick around for a year or two
* What all do you think the next few years would look like at campus point?
  + Dig up paved area
  + Remove ice plant, put native plants in
  + Take out some soil, make backdune to balance out water flow
  + Put removed dirt on chumash site to preserve it
  + Has Chumash artifacts(?) under the paved area, so could not just bulldoze it in half a day
  + Could be possible to completely finish campus point in 6 years, but not in a mad rush to finish
  + Unsure if military bunker structure is integral for erosion prevention
  + Likes idea of taking on manageable chunks and not going too industrial

Board Discussion:Board goes into closed discussion

*MOTION/SECOND: Jordan/Alana*

*Motion language: Motion to table discussion for FALL 18-07*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

Project Title: Fall 18-08 : CCBER - Lagoon EcoDredge prototype and study Internships

Sponsoring Organization: CCBER

Presenter Name: Lisa Stratton

Summary:

We are asking for funds to construct a prototype of a floating, solar-powered &#39;eco-dredge&#39;

to selectively siphon excess organic matter from the bottom of the campus lagoon, filter it

through a filter bag and potentially use it with native plants to support added biofiltration

of the nutrient filled water. The excess organic matter is contributing to algal blooms and

low water quality at the bottom of the system. The grant would also support student

internships for assisting in developing the best multi-beneficial uses and with deploying

this device.

Presentation Notes:

* From 2007-12, did research to understand lagoon
* Bioswales ? do help
* 187 acres of watershed input
* Still lots of nutrients in lagoon after all the water going in, all sinking to bottom and just sitting
* Churns up when storm drains come in the lagoon, then suspended organic matter is mixed into lagoon
* Lagoon is kind of clear right now because algae is taking up nutrients, when it gets colder big algae will stop growing, phytoplankton will take over and organics will be churned up
* 20 cm of dead organic muck at bottom is contributing
* Guy who works to clean up ponds in housing developments reached out to Lisa
* Drainage and bulldozing whole thing not coastal commission approvable!
* This is a way to test impact, get some data, maybe make it approvable
* Gunk salty and sulfurous: how could it work as a part of compost?
  + What rate would it be taken out, what impact would that rate have
* Could it be at NCOS? Could it be used in restoration planting?
* Innovative way to deal with a common problem in estuaries
* Cost of buying materials comes from guy who will build it for Lisa
* Student interns get to learn, don’t know if it will work
* Talked to wetland ecologists and they agree that it is a real problem, but whether it is a real solution will be tested

Board Questions:

* Is this a typical thing to happen in lakes
  + It is in things that don’t cycle
  + Tidal cycles help, this would supplement
  + Benthic integrity index low
  + Would not take away all fauna
* Have you seen many other models where this method has improved ecosystem?
  + Contractor was approved to tackle on this kind of problem somewhere else, but theirs has absolutely no circulation in a freshwater system, but they’re going industrial
  + Wants to try low impact method first
* Does this need coastal commission or other approval
  + Will go through Cherie, coastal planner
  + Should be very approvable
  + Already has permits for concept of lagoon, do not have to get individual permits
* How big is the drench system
  + Two thirds of the table, not that big
  + If they work, she will buy more and put them over the lagoon on year scale
  + Have baseline data to see if these are working
* Do you see the potential for any cascading events? Any rare species in lagoon that could be threatened?
  + Very low impact on the lagoon, not a huge amount of organic matter being taken and lagoon is big
  + Nothing in rare have a lot of samples
  + Risk is minimal
  + Using differential weight from water, not sucking dredge
* Would intern be involved in whole process of deploying it, and then working with organic matter?
  + Two interns: one in deploying, one with the organic matter gathered
  + How big of an impact radius does this have? Need to gps every point
  + One risk is that stuff spreads, and could make some muck in one spot but a clear spot
  + There is one guy who dives in the lagoon
* Are you trying to remove all 20 centimeters? Ideally, how much would you want to remove?
  + Trying to see what this one dredge does remove
  + Prototype
  + Integration between muck and soil is not clear
  + Ideally would remove pure organic layer, there is a new layer ever year from algae dying
  + Ideally take some away, raise oxygen levels, better equilibrium position long term
  + More water coming through lagoon now
* Winter is coming. How might this be affected if the lagoon opens up during winter storms?
  + Lagoon does not open, pretty stable
  + Would deploy in protected area like backside of island, anchored
  + See how it works with spud-anchor (?)
  + Slowly advance into open water
  + Not turbulent
  + Would not deploy right in front of storm drain
* Is there going to be someone who will check on it? If so, would it be an intern?
  + Yes; intern with supervisor will check on it
  + Will see how it works, if it has a lot of problems someone with new experience will get it
  + Technology is very simple; solar panels, bubbles, and pump system
  + Guy who Lisa is working with feels very confident it will work
  + Will Yang be okay with people kayaking is the question
* Will it get in way of rowing team
  + They are not really there in spring quarter
  + Will consider the team, keep it out of their path
  + Temporary signage and social media, maybe add a loch-ness monster?

Board Discussion:

*MOTION/SECOND: Jordan/Lauren*

*Motion language: Motion to table discussion for FALL 18-08*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

Project Title: Fall 18-09 : CCBER -Restoration Intern: Winter & Spring 2019

Sponsoring Organization: CCBER

Presenter Name: Lisa Stratton

Summary:Over the past 2 years, CCBER has developed and maintained a program of providing

research and monitoring project opportunities for many students in a broad range of

majors at UCSB. The Coastal Fund has played a key role the program&#39;s success, and we

are requesting funding to help keep it running through the summer of 2019. Many of the

supplies and staff time have been funded by other grants, but this supplement makes a

significant difference in our ability to mentor the students through the full research,

monitoring, and report writing process

Presentation Notes:

* She brought hats! Says thank you for support
* Same intern request as normal
* 5 interns for Winter, spring, 2 for summer
  + Recognizing summer is slower
* Did not increase grant amount
  + Was not sure if we increased amount
  + Thinks $400 for the stipend is fine for now
* Wants to keep hourly wages consistent
* Get way more applications than positions for internship positions
  + For mentorship experience, learning experience
  + Generally unpredictable and new issues to deal with

Board Questions:

* What would you like to pay interns?
  + Seems like students are usually eager to participate
  + Would leave stipends to us
* How many hours do interns work?
  + Generally 6 hours a week, 2 3-hour sections
    - Acknowledges its not high salary rate, but they get mentorship and how having a job works
  + More like training on area and how ccber works
* Are they solely recruited from ES 95?
  + No, put out more broadly but many of these students already volunteer and demonstrate interest
  + One place they promote
  + Used to promote more broadly but like having people who already have this interest/experience
* Do you often get students who don’t fulfill the hours?
  + No, if they miss hours them make them up at a different time in the quarter
  + They have not given stipends to people who flake, but it is rare
  + She estimates 1 out of 20 flake, usually within three weeks. Never at the end
  + Not an issue once they are engaged
* Is there any wiggle room with the interns? Does there project ever change?
  + Do tons of different things, work with project manager
  + Every quarter is different, project sites are at different phases, work is inconsistent and variable
  + Individual experiences are different
* What's the onsite leader, and how much are they learning about Native Plant Naming?
  + Have areas assigned to them
  + Depends what days they have and what their schedule is like, whether they work with Evan (project manager) or a student leader
  + Have students work at same time to build community so they can learn from each other

Board Discussion: Board goes into closed discussion

*MOTION/SECOND: Jordan/Lauren*

*Motion language: Motion to table discussion for FALL 18-09*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

**ADJOURNMENT AT 8:21 PM**

*MOTION/SECOND: Jordan/Alana*

*Motion language: Motion to adjourn the meeting 8:21 pm*

*ACTION: Consent*

*Additional approval required: NO*