



## COASTAL FUND AGENDA

Associated Students

Tuesday, November 14th, Nati Conference Room

CALL TO ORDER 6:03 PM by Tristen, minutes recorded by Hannah

### A. 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	Peter Min Outreach Coordinator	Absent(excused)
Matias Eusterbrock Co-Chair	Present	An Nguyen Outreach Coordinator	Present
Aral Greene Undergraduate Rep	Present	Peter Min Outreach Coordinator	Present
Jordan Gallagher Undergraduate Rep	Present	Rebecca Nishide Administrative Assist	Present
Esha Suri Undergraduate Rep	Absent (excused)	Hannah Bone Administrative Assist	Present
Alana Ayasse Graduate Student Rep	Present	Senate Liaison	
Courtney Thomas Graduate Student Rep	Present	Sarah Siedschlag Advisor	Present

### B. COMMITTEE BUSINESS

#### 1. Approval of Attendance and Proxies

*MOTION/SECOND: Tristen/Courtney*

*Motion language: motion to approve the attendance*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

**2. Approval of Minutes**

*MOTION/SECOND: Tristen/Jordan*

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

*ACTION: Consent*

*Additional approval required: YES (Senate)*

**C. PUBLIC FORUM**

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

**D. REPORTS**

**1. Advisor Report: Siedschlag**

- i. Coal oil point opening this weekend 4-8 PM on Saturday

**2. Chair Report: Thron**

- 1) Don't forget no meeting next week.
- 2) Nature Center Inauguration from 4-8PM this Saturday
- 3) In the news: Lead contamination at 4 Goleta School District schools (superintendent quoted saying \$1400 each to replace NOT \$3000).

**3. Senate Report**

- i. no report

**4. Administrative Report: Nishide**

- i. no report

**5. Coastal Service Program Report: Bone**

- i. no report

**6. Outreach and Education Report: Min & Nguyen**

- i. Got the club and guest house reserved for Friday June 1st for our Gala
- ii. Looking for ideas for themes and food options
  - 1. Red falafels, spinach walnut pate
  - 2. Tristen want donuts!!!

3. prosciutto and fig flatbread
4. will send out menu or list

**7. Sub-Committee Reports**

- i. Jordan: if no one wants to add or change anything, will type up one page mission statement to attach to application and get everyone's approval and then send out

**E. 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)*

**F. OLD BUSINESS**

**1. (item)**

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

*Motion language:*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

**G. NEW BUSINESS**

**1. (item)**

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

*Motion language:*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

**2. (item)**

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

*Motion language:*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

## H. DISCUSSION

### 1. Final report discussion continued

- i. Jordan→ Gaviota Coast SPR 16-13
  - 1. Not all the things they proposed made it into the plan but a majority did
  - 2. will continue to advocate during hearing
- ii. Jordan→ FALL 16-20
  - 1. Progress report postponed because hearing was postponed
  - 2. Planning document with EIR
  - 3. No interns so no intern report
  - 4. Everett never really responds or emails us
- iii. Courtney→ Kids in Nature
  - 1. run through CCBER where they pair undergrads with 5th graders and do a series of field trips and educational activities (for credit or paid)
  - 2. Went to Arroyo Hondo and then come back to CCBER and create powerpoints and present what they learned
  - 3. funded almost \$14,000 , also received funding from ES and EEMB
  - 4. have additional stipend money that is unused
- iv. Matias→ Kids in Nature (same project a year later)
  - 1. Final report was not informative, seems like no effort was put into it
- v. Aral→ WIN 16-03
  - 1. Wilderness Wildlife and Watersheds
  - 2. two interns per quarter, fully funded who were to conduct GIS surveys
  - 3. Project got delayed because of staff turn over→ extension?
  - 4. have not done a final report so we don't know if another two interns were hired
- vi. Matias→ FALL 15-12 Murrito Foundation
  - 1. part enviro education, part regular education
  - 2. Had a hard time getting field trips done and doing the amount of field trips that they wanted to
- vii. Alana→ MSI Fall 16-15
  - 1. Understanding dissolved oxygen and pH level in SB channel
  - 2. looking for link between pH and oxygen and thought it was not a success
- viii. Alana→ FALL 16-11 Sisters of the Blue
  - 1. radio show

2. not much in report but have put out a couple of shows and mp3's that they want to put out as a podcasts
  3. KCSB wanted us to know that us approving them for a grant does not guarantee them a show spot
- ix. Alana→ SPR 16-14 Harmful Algae blooms throughout SB channel increasing outreach
1. monitored phytoplankton at multiple places along coast
  2. collected crabs for isotope analysis
  3. ignored one of the types of analysis
  4. did not see a substantial pattern so did not think it was worth pursuing but isotope research is still going on
  5. outreach material is being created but not yet circulated
  6. research is on going, seemed like a good opportunity for the students who got to do water sampling and dissecting crabs and producing outreaching materials
- x. Aral→ WIN 17-03 coastal dynamics
1. Finished first three of her experiments
  2. said that she could have some difficulties in the summer with time commitment but said project is going well
  3. Should be finishing now or near now
- xi. Aral→ WIN 17-04 ocean acidification
1. difficulty finding suitable site but could still begin in september
  2. commenced the first step with 7-11th grade school teachers
  3. Asked for reallocation and put that they would be willing to coordinate with CF member to visit site
- xii. Tristen→ SPR 16-16 Reef Check
1. another case where our funding helped them secure additionally funding
  2. Should be careful to not get too roped in as this is a long, ongoing project
  3. project was successful
  4. 35 students took the RRCA class in 2016
  5. Like the program but skeptical on it just because of the overlap in various data sets but did like the fact that the data is open to the public
  6. Not citizen science
  7. Even though there is redundancy there is still value in their efforts
- xiii. Jordan→ SPR 16-09 Audubon Society Dune swell pond
1. Restoring burn areas
  2. continued removal of invasives and planted natives and monitored success
  3. all objectives were met and all interns did their total hours

4. seemed like a success
5. most of the money went to interns but didn't report
- xiv. Jordan → SB Channel Keeper SPR 16-03 & SPR 17-08
  1. Both MPA monitoring
  2. Trained two interns but had trouble recruiting more, did not indicate how they were advertising it
    - a. 4 paid interns 240 volunteers
  3. Had trouble getting to the northern MPA's due to remote location and beach access
  4. Conducted 574 surveys in 2016 between paid interns and volunteers
  5. want to re-apply indefinitely → consider suggestion more permanent funding
  6. most of our funds went to interns
  7. Under budget on something but over budget on transportation cost
  8. 5500 community members attended event and they were able to get the word out
  9. Did not include where data could be found → do not think data is public, researchers can probably get it but general public
  10. Progress report said the same thing but it is supposed to end this december, have not hired two new interns yet though.
- xv. Matias → WIN 16-08
  1. partial funding to do eucalyptus removal in rattlesnake watershed
  2. had trouble finding someone to do the job so started late
  3. estimated 200 trees but actually took out 400
  4. Overall successful
- xvi. Matias → WIN 15- Urban Creeks with EDC
  1. Worked with EDC to create chaparral protection plan
  2. chaparral protection very successful
  3. our grant helped them secure funds from other places
  4. got some plan area and included
  5. thought they were successful with their objectives but are still working on stuff, but think they've met most of their original objectives

## I. PROJECT REVIEW

### FALL 17-04

Project Title: Monitoring Persistence of Endangered Nipomo Lupine

Sponsoring Organization: CCBER

Presenter Name: Lisa Stratton

Summary:

CCBER has been collaborating with the USFWS to propagate and conduct field experiments with the endangered coastal dune species, Nipomo Lupine, over the past 3 years. That funding has expired and we would like to monitor the fate of the outplanted seeds this winter/spring to assess how long a one time seed application persists. We are applying to USFWS for more funding for 2018-2020 surveys but it won't be available until fall 2018 and we would like to get annual data from this experiment.

Presentation Notes:

- US fish and wildlife service funded 4-5 years ago that they made last a long time to bulk endangered plant seeds
  - Applying again for grant
- Done two experimental outplantings and want to see how long the seeds will last
  - Want to continue experiment, do not want time gap
- Similar to local sandy environments but is confined to private land and very small specific populations in Nipomo
  - Good experience for interns, is relevant to local plants
  - Branching projects with bugs
- Want this money to bridge the gap between fundings so they can continue the experiment
- Project is a good way for students to gain experience working with federal agencies
  - Does require long distance travel, so will require dedicated student
- Asking for money for student interns and staff time
- 1 intern for two quarters, potentially the same intern, 2 quarters of intern staff time, a little staff time but most staff time is being donated
- Funding for staff time would make project more viable

Board Questions:

- Is the Lupine species supposed to be found in SB or is it confined to northern section naturally?  
What is CCBER's goal with the plant?
  - It will mostly stay confined to northern area, possibly will go into park in Goleta
    - Manager is open to it
  - We do not have same habitat as Lupine is found in
  - No natural place we can put it in SB/IV that it could independently grow
- What is the current status of the Lupine project? Will this go to continued monitoring or planting more?
  - Well there is existing populations that are on the plot

- Have done several propagations, have collection of about 1600 seeds
- Our funding would go to monitoring only, not planting more. Continuity in data
  - To what effect can one pulse of seed have legacy effect
- Fish and wildlife service funding will be for planting
- What is your prioritization of overall projects?
  - Lupine project is time sensitive and needed foremost, while the other ones she can come back and apply for
  - Lupine money is the priority because plants will germinate
- How will you be recruiting the interns? How will you choose the intern?
  - Job and intern fair
  - ES and EEMB list-serve
  - Will describe as specific internship opportunity with required interests and commitments
  - Statistical techniques

Board goes into closed discussion

*MOTION/SECOND: Tristen/Alana*

*Motion language: motion to table discussion for FALL 17-04 with intent to not fund*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

## **FALL 17-05**

Project Title: UCSB Campus Lagoon Restoration

Sponsoring Organization: CCBER

Presenter Name: Lisa Stratton

Summary:

CCBER's goal is to build on the successful restoration efforts of the last few years by continuing to expand the conversion of weed-dominated monocultures to diverse native habitats at several sites of the Campus Lagoon natural area. We plan to continue using innovative techniques such as prescribed burns, solarization and experimental salt-water application along with standard manual efforts to achieve our restoration goals. We are requesting partial support for the project manager and support for student workers during winter, spring, summer, and fall quarters. These projects are part of CCBER's effort to incrementally and sustainably implement the Coastal Commission approved Lagoon Restoration Plan in a way that provides students with accessible, fun, restoration and leadership experiences in a diversity of habitats from coastal dunes to oak woodlands and including coastal sage scrub, wildflowers, salt marsh and aquatic environments.



Presentation Notes:

- Project has been funded every few years helping with prescribed burns
- Able to get unique wildflowers to germinate and grow in addition to other plants
  - Really challenging to get wildflowers to grow
- Funding to help set up burn, need a lot of fuel to kill seed bank
- Has worked in multiple locations
- Salt marsh edges- experimental ideas with adding salt to help exclude non natives
  - Want students to monitor in experimental way
- Salary for a quarter of people who are working, our funding is very helpful
- Has gotten other funding from our funding
- Almost \$80,000 of additional funding for work done by our funding
- Request for whole year

Board Questions:

- Do the burns include native plants or is it just invasive?
  - We have tested the seed bank and its pretty much all non-native grasses and radish
- 2 interns for whole year? Do you have trouble keeping them on
  - No student workers

Board goes into closed discussion

*MOTION/SECOND: Courtney/Tristen*

*Motion language: motion to table discussion of FALL 17-05 with intent to fund in full*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

**FALL 17-06**

Project Title: Restoration Training Program

Sponsoring Organization: CCBER

Presenter Name: Lisa Stratton

Summary:

CCBER seeks funding for student interns to participate in CCBER restoration work at multiple sites and in habitat types from the Campus Lagoon Dune and Bluff restoration to the North Campus Faculty Housing restoration site. Eligible students have generally participated in CCBER's Restoration Ecology Field Skills Class (ES95) in which CCBER Staff provide four sections for three-hour training sessions per

week focused on a range of relevant restoration skills, training more than 35 students per quarter. We seek

Coastal Fund support for 6 paid student interns for Winter, Spring, Summer, Fall 2018 quarters. Students can follow-up their training with an opportunity to gain in-depth experience working with a project manager and helping with important ecological restoration projects.

Funding request: 6 students x \$400/quarter x 4 quarters = \$9,600

Presentation Notes:

- Bigger ask, will not come back as frequently
- Same goal of six interns/quarter from now until next december
- 40 students on staff currently, people have a good way to gain usable life skills
- Increased stipend upon our recommendation

Board Questions:

- What projects do you envision the interns working on?
  - Working on the lagoon and different project areas and south parcel and north parcel
  - North campus us funded
  - Starting point interns
- What are typical funding sources?
  - Are a university entity, receive state funding for things like lisa's salary
  - Steward for south parcel has been funded by state funding
  - Mitigation projects- fund specific budgets where they are needed
  - Seems like we get a lot of money, but it is always hard to implement
  - Have to do recharge, university pay for overhead, extras go into administration and restoration
  - North campus open space/little grants are state and federal agency grants
  - Has started going to private owners for endowments
  - Getting money for restoration maintenance is harder than projects like north campus
  - Have a lot of acreage to cover, need a lot of money

Board goes into closed discussion

*MOTION/SECOND: Matias/Alana*

*Motion language: motion to table fall 17-06 with intent to deliberate*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

## FALL 17-20

Project Title: Defending Goleta Beach from the Destructive Effects of Coastal Armoring

Sponsoring Organization: Surfrider Foundation, Santa Barbara Chapter

Presenter Name: Everett Lipman

### Summary:

The Surfrider Foundation has for the last 18 years been fighting to eliminate rock revetments at Goleta Beach. Hard armoring structures destroy the sandy beach, opportunities for recreation, and the near-shore ecosystem. Building on the monitoring program we began in May 2015, we will show the public and the California Coastal Commission that their 2015 decision to issue a permit for the rocks was a mistake, and must be reversed.

We are requesting support for preparation of environmental and legal commentary, coastal engineering, legal strategy development, and representation at the Coastal Commission. These will enable our goal of returning the beach to a more natural state. Student interns will select from among our 14,500 photographs of Goleta Beach and the surrounding area to illustrate damage caused by the revetment, and our legal team and environmental consultant will make the case to the Coastal Commission that hard armor must be removed or replaced to restore Goleta Beach.

### Presentation Notes:

- Acknowledged that he normally takes way too long and very delayed on past reports
- Been fighting the armoring for 15 years now
- Trying to do more public outreach as people are unaware of it
  - Many people want coastal armoring because they are afraid their stuff is going to wash away so we need to inform them about the dangers
  - Via postcards (?) that include CF logo on them
- Postcards with three designs to raise awareness
- Find out how much consultant money goleta beach has cost county
  - They charge as much money for one meeting as we give in one year
  - Consultant has gotten over half a million from county to plan beach
- Revetment to be buried until 2050
- AMEC Foster Wheeler → had revenue of 7 billion
  - National consulting company
  - Most revenue from oil, gas, and chemicals, second is mining, third is “environmental infrastructure, maximizing value
  - Help people work around environmental regulations
- Our internships have been very successful
  - County has violated their permits for revetments by going over allotted space and have denied access ramps and drove construction equipment through beach

- Graduate student intern Zack Voss put this report together
  - Three perfectly suited interns, was difficult over summer but now have established/qualified one
    - Photography specialist, political activist scholar, and outreach specialist
- Did not win support in board meeting
- **Shade thrown** at Hartman for being a “political weather vane “
- Next meeting is critical point to stop this
- Public outreach is a huge problem for us and were hoping to improve that
- Three undergrad interns over Labor Day weekend were able to get car counter data from the county (gave monthly car counts)
  - The number of cars in that area barely changes from summer to winter so indicates people are not there to use the park so what are they doing when they are there
  - Counted over 1000 cars and found that the way the county gets that number is they take the counter’s data and multiply it by 2.5 to account for multiple people per car
  - Average is really 1.5 so overestimate by hundreds of thousands of people
  - % of the cars go to restaurant or pier and 1/3 go to UCSB or park
- Passed around packets about what was done with our previous funding
  - Letter of complaint
  - Transcript of talk given about current project work
  - Advocating for cobble berms
  - Pictures of campus point and grunion runs
- Have administrative record for lawsuit if coastal commission is lost

#### Board Questions:

- Do you know how much the county is saving by not taking the rocks out? How much would it cost to take the rocks out?
  - Probably about half a million dollars
  - Cost 1 million to go in but should be less to take out
  - Already erosion behind new revetment and will spend half a million on revetements either way
- Has there been an EIR on the revetement process?
  - There has not
  - County does not have to do EIR at a park
  - Coastal commission has jurisdiction up to high tide line, park has after
  - County convinced coastal commission to take over, they do not have to write a real EIR, no certification
- Is there potential for a negative environmental impact that is less than the current impact?
  - Excavators driven across land to take rocks out, land is already destroyed and grassless

- Nothing living in revetment
- Create carbon via excavators but leaving the rocks there
- Grunions only live three years, have had nowhere to spawn for two and half years, our third remaining portion would be out of a home
- Environmental consequences of leaving would be worse than taking out
- What motives do you think the county has to make it push back so hard against this?
  - There is this fear that the park is going to be washed into the ocean
  - Advocated for managed retreat and people think that means were just going to let the park be washed away
  - Claim there is no evidence cobble berms work but that's not true
  - Want to armor and be able to forget about park ever being affected by erosion
  - AMEC knows to write reports in favor of revetement
    - Recommending contracts for themselves
  - Monitoring cost will be significant but potential to sue for conflict of interests
- Do you have any contact with Ventura surfrider because of what happened there?
  - Those guys will most likely attend hearing and support us
  - Have supported, very large and very active community with experience, they have offered to help and be present at coastal commission hearing
  - Conditions are different everywhere, what worked at surfers point will not convince AMEC that it works here
  - Helpful to have them helping us, but not a solution
- What was the cobble berm at west depressions?
  - Never been hard armoring
  - Beach has narrowed a lot in IV, used to be about 100 feet wide and there may have been cobble under the sand
  - Cobble piles up in response to big waves and is very effective in suppressing that energy
  - Engineers using old research, denying active erosion by fast moving water
- What is your timeline of next steps?
  - Very difficult to synchronize with grant cycle because of bureaucracy
  - If given the money, we can start responding right away to the county
  - Have lawyers go to work writing legal content letter
  - Interns will start combing through pictures that will work as evidence
- Is there a priority to the items you are requesting funding for?
  - Legal support is critical and lawyers can not be ignored since they threaten to sue
  - Project will be brought to halt without lawyers
  - Will be asking for extensions/reallocations
  - Interns are important and not expensive
  - Getting extremely discounted time from lawyer

- Whatever you give us will make us happy

Board Discussion:

Board goes into closed discussion

*MOTION/SECOND: Tristen/Courtney*

*Motion language: motion to table discussion for FALL 17-20 with intent to fund in full*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

**ADJOURNMENT AT (time)**

*MOTION/SECOND: Tristen/Courtney*

*Motion language: motion to adjourn the meeting at 8:58 PM*

*ACTION: Consent*

*Additional approval required: NO*