## ASsquare_logo.tif Coastal Fund Minutes

## Associated Students

Tuesday, 11/17/20, Zoom

**CALL TO ORDER:** 6:04 PM minutes recorded by Carissa

* **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) |
| **Jeremy Francoeur**  **Chair** | **present** | **Joelle CantoAdams**  **Outreach Coordinator** | **present** |
| **Ethan Estrada**  **Co-Chair** | **present** | **Duncan Edwards**  **Outreach Coordinator** | **present** |
| **Jackie Rigley**  **Undergraduate Rep** | **present** | **Sarah Siedschlag**  **Advisor** | **present** |
| **Rylee Pupa**  **Undergraduate Rep** | **present** | **Carissa Stewart**  **Administrative Assist** | **present** |
| **Mykala Listorti**  **Undergraduate Rep** | **present** | **Gurleen Pabla**  **Senate Liaison** | **absent** |
| **Phoebe Racine**  **Graduate Student Rep** | **present** | **Fabian Oseguera**  **Senate Liaison** | **present** |
| **Michaela Sten**  **Graduate Student Rep** | **present** |  |  |

* **COMMITTEE BUSINESS**

1. **Approval of Attendance and Proxies**

*MOTION/SECOND: Jeremy/ Kaley*

*Motion language: Motion to approve attendance and proxies.*

*ACTION: consent*

*Additional approval required: YES (Senate)*

1. **Approval of Minutes**

*MOTION/SECOND: Jeremy/Kiya*

*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)

* Jeff Jule passed away. He was a really integral part of Bren School. He will be missed

* **REPORTS**
  1. **Advisor Report: Siedschlag**
     1. **Budget is always a little fluid because we make estimates for how many people will be enrolled for winter and Spring**
     2. **have $183,000 in rollover right now**
     3. **About $155,000 per quarter this year**
     4. **one of minor grants we got was from MAPAS but they are an osl group**
     5. **Sarah will reach out to them tomorrow and see what they have time for**
  2. **Chair Report: Francoeur**
     1. **hopefully will finalize edits tonight**
     2. **if anyone has suggestions for sugar free sustainable chewing gum**
  3. **Vice Chair Report: Estrada**
     1. **hope everyone got the doodle poll**
     2. **get started on superlative activities**
  4. **Senate Report: Pabla and Oseguera**
  5. **Administrative Report: Stewart**
     1. **two minor grants in week 9 folder**
     2. **total of $207,947.27**
  6. **Coastal Service Program Report: Stewart**
     1. **no report**
  7. **Outreach and Education Report: Edwards and CantoAdams**
     1. **outreach is working on newsletter for December**
     2. **Joelle is at the council meeting making public comment**
  8. **Sub-Committee Reports**

NRS scholarships

no report

Long-term funding application

no report

External Communications

Its going really well, worked on strategic plan before we move into bylaws

hoping to get a draft before we get to retreat

* **AGENDA**

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

*MOTION/SECOND: motion to approve agenda and additions to agenda*

*Motion language: Jeremy/Ethan*

*ACTION:Consent*

*Additional approval required: YES (Senate)*

* **OLD BUSINESS**

CPSAB Letter

*MOTION/SECOND: Jeremy/Kaley*

*Motion language: Motion to approve CPSAB letter to Chancellor Yang*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

EDC Creek Program Letter of Support

*MOTION/SECOND: Jeremy/Jackie*

*Motion language: Motion to sign on to EDC Creek Program Letter of Support*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

* **NEW BUSINESS**

Extension Request – Fall 19-03 : MPA Watch Internship Program

*MOTION/SECOND: Jeremy/ Phoebe*

*Motion language: Motion to approve FALL 19-03 Extension Request*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

* *Mykala recuses herself*

Extension Request – WIN 20-05 : Photographic mark and recapture of giant sea bass (Stereolepis gigas) around Anacapa Island, utilizing remote observation techniques

*MOTION/SECOND: Jeremy/Jackie*

*Motion language: Motion to approve extension request for WIN 20-05*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

Extension Request – WIN 20-10 : Soil Amendments in Coastal Grassland Restoration for Carbon Sequestration

*MOTION/SECOND: Jeremy/Kiya*

*Motion language: Motion to approve extension request for WIN 20-10*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

Reallocation Request – WIN 20-10 : Soil Amendments in Coastal Grassland Restoration for Carbon Sequestration

*MOTION/SECOND: Jeremy/Phoebe*

*Motion language: Motion to approve reallocation request for WIN 20-10*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

* **DISCUSSION**
* **PROJECT REVIEW**

Project Title: FALL 20-12: 2021 Native Tree Restoration, Maintenance and Education

Sponsoring Organization: Your Children’s Trees

Presenter Name: Ken Knight

Summary:

Your Children's Trees at UCSB (YCT at UCSB) is a student-led campus organization dedicated to ecosystem restoration and educational outreach with an emphasis on native trees. The requested funding would support 25 $375 student interships over the year 2021, as wel as partial funding of for tree growing/planting as part of our restoration efforts.

YCT at UCSB conducts intern-led tree planting and care events every Saturday during the school year. YCT at UCSB anticipates planting 150 new native trees in 2021 and caring for them as well as an additional 300+ trees previously planted until they are established. We also maintain a growing grounds on campus where we have over 300 trees in production for future planting events. Due to Covid preventing volunteers from joining us, interns will do all of the work.

Since Covid prevents us from being in the classroom, we are shifting to creating online videos on our websites and social media wile preparing to shift back to in-person events.

Presentation Notes:

* Preserve protect marine habitat
* Planting more trees will help filter the groundwater and clean water will go to marine habitat
* Trees create cleaner air
* Work with CCBER
* Restore habitat back in wetlands
* Want to plant more trees in our neighborhoods
* Educating younger generations about conservation
* Non profit so need funding
* Fund will support 25 student internships ($375 each)
* Partially fund tree planting
* Hope to get 7 interns from each quarter with stipend but 50 non stipend
* Train volunteers that will benefit the future
* Have had zero covid cases because of procedures
* Cannot use volunteers and heavily rely on interns
* Tree care maintenance
* More intern applications than usual
* More than we can fund
* Plant to plant 40 trees in winter and 30 trees in the spring
* Have educational interns as well
* Implement hybrid program for our interns
* Work with elementary schools and work at Fairview gardens
* Do tree walks and get science night activities recorded
* Able to have students from all over because of diversity of internships
* Cannot do Tree Campus USA accreditation
* Would like to bring them up to Bren professors to research how tre campus USA accreditation and what the advantages and disadvantages are, how it impacts college campuses
* Ken makes sure the finances are taken care of in conjunction with treasurer
* Board certified master arborist- quality control and trainer
* Have been trying to formalize institutional memory of organization
* Gotten better at updating google drive- make sure it is online
* Officers have well trained current officers
* Advisor is impressed with how much hard work they do

Board Questions:

* What are the main planting sited for these trees and what kind of trees
  + Mesa road, NCOS
  + Spending a long time structural pruning and irrigating and weeding
* Could you talk more about Tree campus USA certification and the schools you are talking about
  + Happens in k-12 campuses and college campuses
  + Facilitated as a learning tool and have tree walks for all of those campuses
  + Have a qr code attached to the tree
  + Starting identifying campuses that take advantage of this
  + Been trying to get that accreditation for a while
  + Suggesting as a masters group project and going to take it to local levels of school
  + Probably wont be able to do that til Fall
* You mentioned that working with volunteers is a large part of internship, what would be main responsibilities of intern and what do you expect them explain
  + In Fall they had a hybrid intern program within the education sector
  + Students in IV were able to record their walk throughs
  + Remote interns are in charge of compiling videos and including facts about the trees
  + Another art of internship will be creating videos of science night activities and a new curriculum and will be recording them to compile on website and social media
  + Restoration interns would normally be training volunteers but right now they are focused on tree care maintenance, fixing irrigation, trees being weeded
  + Hope they gain skills to learn once they
  + Also involved in tree nursery program
* How many hours per week do interns work
  + 30 hours per quarter so 3 hours per week
  + We have three hour event scheduled each month
* How do you decide which elementary schools do you set up tree walks at
  + The closest ones- all of the elementary schools in the area they work with
* Could you talk more about your relationship with CCBER and where you decide to plant trees
  + CCBER secures coastal permits
  + YTC does tree work and CCBER does everything else
  + CCBER identifies where to plant trees
  + With new observation center- they will be planting trees around that area
  + Hoping to establish relationship with community services district in IV

Board Discussion:

* Mention they have 3 hour event each week
* Might not be super impactful for this quarter
* Open for partial funding route
* Probably as light as its going to get
* Students were getting pretty good experiences
* Ken is a little too involved
* Would be nice to have more student involvement
* Often fund them at least partially
* Do feel impressed with student leadership and Ken is overall a good mentor
* Helps CCBER out
* Feel like they might be good funding sources right now
* Originally written and submitted by the student president
* 25 internships is a lot of students to get funded
* There is an element of trees for the sake of trees- CCBER tells them where to plant it
* There help to CCBER is really important- is it a 100% a part of our mission statement
* Hope is that CCBER is actually looking forward to these planting
* It would be a trust in CCBER and it would be a good idea to to have students do an arm for CCBER
* Maybe if they talked about what kind of trees to plant in IV
* An advantage from a volunteer perspective
* Like that they plant useful trees
* Like the education aspect of it
* Feels like accreditation is irrelevant- in terms of mission statement don't know how that accreditation fits
* That research is completely unnecessary
* Certification bequests money that allows us to plant more trees
* Worried about concern for planting trees to plant trees
* Trust that CCBER is giving good advice on where to plant trees

*MOTION/SECOND: Jeremy/ Kaley*

*Motion language: Motion to table discussion on FALL 20-12*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

Project Title: FALL 20-13: Surveys and sensors to study snails with student scientists in Santa Barbara

Sponsoring Organization: UCSB Department of Ecology Evolution & Marine Biology (EEMB)

Presenter Name: Amelia Ritger

Summary:

I am requesting funding to conduct field surveys and deploy pH sensors in the intertidal

zone around Santa Barbara and San Diego to study spatial variation in local pH

conditions and black turban snail (Tegula funebralis) predator communities.

Undergraduate students will have the opportunity to assist with this project remotely

through data analysis, data visualization, and communication to scientific and non-

scientific audiences. The results of this project will be publicly shared with local

scientists to aid in future research efforts and the local community to support public

education and outreach programs. This project will close a significant gap in our

knowledge of the intertidal pH conditions around Santa Barbara, in an effort to enhance

our understanding of how marine organisms interact with their environment and support

improved predictions for how species will respond to climate change across a broad

geographic range.

Presentation Notes:

* Works out of Hofmann lab
* Working with intertidal snail- blac tegula snail
* Snails are cool bc there is significant population variation across the state
* They have different ecological responses to predators
* Snails respond differently to same snails in different areas
* Predator conditions are variables
* Socal range predator conditions are variable
* Pizesdter sea stars have recovered
* Sea star predation vs crab predation are different so snails response to different predators vary
* Tegula’s range- pH conditions are variable and temperatures too
* In central region there is persistent upwelling so they are exposed to low pH
* Lower they get lower but not as low pH conditions
* South they get higher pH conditions since there is less upwelling
* Santa barbara is left out of the paper even tho UCSB researchers were there
* There isn’t a lot of research on southern california tegula population
* Need to know how are intertidal ecosystems will be affected in the future
* Looking to fill in the oceanographic data
* Will see how ocean conditions and biological communities might be compared between ranges
* This is filling in that gap and allowing us to understand how SB intertidal regions compare and create better conservation strategies
* Will have undergrads help her remotely
* Will have a ton of data that will come from tools
* Undergrads will get them research experience and quantitative skills

Board Questions:

* How are you accounting for differences between santa barbara and san diego
  + Goal is to look at as far south as possible
  + More feasible to go to San diego
  + Stark temperature and pH gradient
  + Will allow them to understand how variation compared
* Species integration
  + Contextualizing response on biological organisms
  + Biological surveys are more focused and oceanographic data will be widely applicable
  + Makes project really powerful
  + Contacted scripps and they have done peer studies but the intertidal zone will be different
* Why is there a difference between intertidal and subtidal
  + Work in intertidal zone is new but probably evaporation
* Has there been observed affects of ocean acidification?
  + Don’t have data for Santa Barbara
  + Brought tegula and marsela to track shell growth and shell strength
  + Decreased in the presence of pH change
  + Tegula changed their shell to predation
* Is there an additional information slide that you would love to share with us
  + Developed a shiny app
  + The data collected on project would be conducible to add to shiny app
  + Allows people to investigate data on their own
  + Would be another opportunity for undergrads to work with
  + Great tool for sharing with the public
  + Can explore species richness and diversity

Board Discussion:

* Needed more significance explanation
* Good project from scientific perspective but needed more for this board
* Will other people need this data in the future
* Will they continuing the data after this project
* Felt like they were at ted talk
* The reason the black turban matters is that it's common but it has a elcite shell
* So it dissolves easily when the acidity is too high
* It can help with shell species large scale
* She chose snails because they have thicker shells
* Might need a longer term study than this
* Long Term data is a hard thing to do and we don’t know how durable the sensors are
* Always thankful when finding fine scale data
* Hopefully data gets added to LTER
* Standard mileage rate for UCSB
* Why does she have to drive to construct pH censors

*MOTION/SECOND: Jeremy/Jackie*

*Motion language: Motion to table discussion on FALL 20-13*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

Project Title: FALL 20-14: IVCC Compost Tech Pilot Program

Sponsoring Organization: Isla Vista Community Services District

Presenter Name: Siena Hooper

Summary:

The purpose of this funding request is to provide the initial resources necessary to launch

a compost distribution initiative that runs parallel to our existing food scraps composting

program. Our main goal is to allow the food waste collected from households to remain

in the community in order to contribute to building healthy soil and benefit local

community spaces, which is what we currently do at United Methodist Church and St.

Michael’s Church. As we aim to expand our program by servicing more houses in the

future, the volume of food scraps composted will increase drastically. The planned

construction and implementation of a new compost pile in IV will reduce the stress put

on the churches’ piles. More importantly, a larger percentage of our food waste would

then be processed and distributed locally. If granted, this funding would provide the

resources for IVCSD to hire a Compost Technician who would manage the new compost

pile and create a compost distribution program.

Pre-notes:

* Don’t think this fits into our mission statement
* Didn’t specify the self-sustaining plan

Presentation Notes:

* Funding will cover payroll cost
* Will be responsible for development of ivcc compost program
* Will provide initial resources for composting
* Enhance quality of soil in community in order to protect watersheds
* Would increase program efficiency and access to finish compost
* Working with IVparks and resources
* Want to start a new compost pile at a park
* Planning and implementing distribution program
* IVCC received funding from coastal fund under surfrider
* Composted 20 then 40 and have changed significantly
* Expanded to serve 96 household
* 6 dirt riders
* Since 2017 have diverted over 12.15 tons of food waste from landfills which helps the atmosphere
* Would serve more community members and prevent more c02 from coming in the household
* Currently doing by dropping off 80% to St. Michaels piles
* 20% is disposed of in food bins
* Trucked to Oxnard to decompose in their biodigester
* Would allow a larger percentage to be processed locally
* Would be accessible to public, IVCC, and gardners
* Working on getting cost estimate
* Project fits within mission statement because it will enhance soil and protect watersheds
* Healthy soil is necessary to protect local water sheds
* Increases organic matter and helps filter water infiltration
* Helps pollutant decomposition
* Next quarter they are planning on hiring compost tech and by sproing they will have it fully working
* Would be able to publicise project and CF support
* Have received publication

Board Questions:

* Mentioned in application, you would make program self sufficient
  + Would be able to secure funding and ensure longevity with funding through IVRPD
  + When we serve more houses, will start selling compost
* Is the compost free
  + At United Methodist they can get free compost
* Where does majority of compost go
  + The churches have large community gardens and recently hired new gardner coordinator
  + Could collaborate with them on that
* Wondering if you have talked to CCBER for donating
  + Thats a great idea
* What is the day in the life of a compost technician
  + Will see when dir riders have dropped off
  + Add water and greens and browns
  + Turn with shovel
  + Repeat process till compost is made
  + Awareness of compost
  + Will stay at compost pile and allow public to drop off compost
* Where are you looking for potential candidates
  + Ideally it would be 1st, 2nd year student
  + Also person living in IV
  + Just looking at experience with compost
  + Willing to do physical labor and get hands dirty
* Notice that there are things in compost bin that aren't’ supposed to be there, how do you deal with that
  + Gate will be locked, concrete structure, compost tech job will make sure there aren’t any contaminants
* Wanted to know more about long term financing, IVRPD will keep funding, do you see any additional funding in the future, would you consider charging a small fee for the service
  + IV community services district see it as hallmark program
  + Wrote up long term funding, have other grant applications in the mix
  + Compost alliance will also be working with
  + One mission is to provide service for free then more people will compost
  + If it is free then they can serve more people
  + Nothing IVCC costs money
* Have you tested the nutrient content of compost, how high quality is it
  + Don’t do much of the maintenance at the churches
  + IVCC is compost hauling services
  + Good question but don’t do their own compost mixing
* Have you thought about using worms
  + Have collaborated with department of public worms
  + Give them food scraps
  + Have different systems in place
  + Would be easier to do the method that the churches do

Board Discussion:

* Will not make $7,000 a year
* Their definition of sustainable system was not sustainable
* Sounds like useful project but think it does fall a good bit out of missions statement
* CCBER makes their own project
* Get a lot from NCOS
* DPW pulls from dining commons
* Looking at request I feel like their idea for what compost tech is doing isn't entirely fleshed out
* Have some background of composting but then they have them have a lot more expertise then an undergrad
* Measuring nutrients in soil is expensive if you want to do it right
* Big task for first or second year to do
* Think it would be better if they charged a few dollars so they feel apart of it
* Makes sense if they don’t have structure set up to get funds
* Don’t think they fall into our mission statement
* If they had plans for their compost then there would be a clearer connection to our mission statement

*MOTION/SECOND:Jeremy/ Ethan*

*Motion language: Motion to table discussion on FALL 20-14*

*ACTION: Consent*

*Additional approval required: YES (Senate)*

**ADJOURNMENT AT (time)**

*MOTION/SECOND: Jeremy/Phoebe*

*Motion language: Motion to adjourn at 9:22 PM*

*ACTION: Consent*

*Additional approval required: NO*