



COUNTY OF SANTA CRUZ

FISH AND WILDLIFE ADVISORY COMMISSION

701 OCEAN STREET, ROOM 312, SANTA CRUZ, CA 95060
(831) 454-3154 FAX: (831) 454-3128

AGENDA

September 7, 2017

7:00 PM

Fifth Floor Conference Room, Room 510

1. CALL TO ORDER
2. ROLL CALL
3. PUBLIC INTRODUCTIONS AND COMMENTS
4. APPROVAL OF MINUTES
5. INTRODUCE MATHEW WISE, DISTRICT IV COMMISSIONER (5 minutes)
6. PRESENTATIONS AND ANNOUNCEMENTS BY COMMISSIONERS (15 minutes)
7. BUSINESS MATTERS
 - A. Discuss current legislation or policy to change environmental protection laws (10 minutes)
 - B. Discuss Public Grants Program priorities, scoring and Request for Proposals (20 minutes)
 - C. Discuss Classroom Aquarium Program grant proposal (10 minutes)
 - D. Report on Cannabis Cultivation Ordinance draft EIR and Sept. 6 public study session and discuss draft EIR comments (20 minutes)
 - E. Discuss agenda and goals for the upcoming joint meeting with Commission on the Environment and Water Advisory Commission will be September 27, 2017, 5-7 PM (10 minutes)
 - F. Update on Environmental Code Compliance (5 minutes)
 - G. Discuss County's Stream Wood Program and conflict with boating and swimming (10 minutes)
8. STAFF REPORTS/ANNOUNCEMENTS (10 minutes)
 - A. Riparian Protection Summit, October 17-19, 2017
<https://watershed.ucdavis.edu/news/2016/11/14/riparian-summit-confluence-influence-oct-17-19-2017-save-date>
 - B. Report on Corralitos Fish Rescue
 - C. Corcoran Lagoon brochure
9. CORRESPONDENCE
 - A. Grant Reports
 - i) Coastal Watershed Council and Santa Cruz Museum of Natural History
 - ii) CalTIP
 - iii) Resource Conservation District: Weed Management Area
 - iv) O'Neill Sea Odyssey
 - v) County of Santa Cruz
 - vi) Native Animal Rescue
 - vii) Resource Conservation District
 - viii) State Parks
 - B. Fish and Game Commission Notices

- i) Notice regarding petition to list Foothill Yellow-legged Frog as threatened
 - ii) Notice of Finding re: northern spotted owl.
 - iii) Notice of regulatory action relative to commercial fishing landing requirements
 - iv) Emergency Abalone Take Reduction due to harmful environmental conditions
 - v) Notice of proposed regulatory actions re: conformance of federal and state fishing regulations.
- C. Letter from Benjamin Potkin

10. ADJOURNMENT

The County of Santa Cruz does not discriminate on the basis of disability, and no person shall, by reason of a disability, be denied the benefits of its services, programs, or activities. The Planning Department Conference Room is located in an accessible facility. If you are a person with a disability and require special assistance in order to participate in the meeting, please contact Kristen Kittleson at (831)454-3154 or TDD number (454-2123) at least 72 hours in advance of the meeting in order to make arrangements. Persons with disabilities may request a copy of the agenda in an alternative format. As a courtesy to those affected, please attend the meeting smoke and scent free.



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Fish and Wildlife Advisory Commission

MINUTES

Santa Cruz County Governmental Center
Fifth Floor
Santa Cruz, California

June 1, 2017

1. CALL TO ORDER. The meeting was called to order at 7:00 PM
2. ROLL CALL.

Present: Commissioners Berry, Robin, Johnson, Baron, Frediani,
Excused: Freeman, Maridon
Absent: none
3. PUBLIC COMMENTS. Dennis Murphy says that chinook salmon may not always survive handling with a net even when released. He's interested in changing the size limits especially if the fish may not survive release.
4. APPROVAL OF MINUTES. Commissioner Johnson made a motion to approve the May 4, 2017 minutes with a few minor corrections. Commissioner Shikuma seconded the motion. All aye, the motion passed.
5. PRESENTATIONS:
 - A. Joe Kiernan, NOAA Fisheries, gave a presentation on coho salmon and steelhead in Scott Creek. The presentation focused on how drought affects passage into and out of the watershed and what they learned when juvenile coho salmon got caught in the lagoon over the summer.
 - B. Chuck Backman, MBSTP, gave an update on the 4 programs: Coho – good numbers of juveniles in hatchery; Steelhead – working on Hatchery Genetic Management Plan for San Lorenzo which is a big task; STEP (Salmon and Trout Education Program) planning to develop more lessons around macroinvertebrates and Chinook – planted out 120,000 smolts outside of the harbor to reduce imprinting.
6. PRESENTATIONS AND ANNOUNCEMENTS BY COMMISSIONERS. Lois Robin is interested in finding out more about the potential for recharge in the Murphy's Crossing area of the Pajaro River. Commissioner Baron reported that the RCD held the first meeting of the Weed Management Area through a grant that the FWAC funded.

7. BUSINESS MATTERS

- A. Discuss funding decision on Riparian Corridor Enhancement Project. At the May meeting, Kristen Kittleson presented a grant proposal for riparian enhancement with a funding request for \$5,000. Since then, she realized that a smaller grant would work better as a pilot project. Commissioner Johnson made a motion to fund the Riparian Enhancement project for \$2,500; Commissioner Baron seconded the motion. All aye; the motion passed. Kristen will work on writing the Board Letter.
- B. Discuss Public Grants Program priorities and scoring. Commissioner Baron tested the new score sheet and recommends using a scale 0-10 instead of 0-100. There was agreement to implement the new scoring sheet for the upcoming public grants program. Staff asked if the commissioner would be open to funding a single larger project. Commissioners voiced concern about organizations that rely on our funding. This will be discussed more at the September meeting.
- C. Update on Juvenile Steelhead and Stream Habitat Monitoring. In March, the commission voted to send a letter to the Board expressing concern about federal environmental regulations. Chair Berry has drafted a letter. Commissioner Freeman and staff Kittleson will review the letter.
- D. Discuss comment process for Cannabis Cultivation Ordinance EIR and consider sending letter to the Board recommending that the FWAC comment to the Planning Department. The EIR will be released in early June with a 45 day comment period. Commissioner Johnson made a motion to establish a sub-committee to review and comment on the Cannabis Cultivation Ordinance EIR. The subcommittee will include Berry, Freeman and Baron and staff Kittleson. Commissioner Freeman seconded the motion. All aye; the motion passed. Commissioner Johnson made a motion that the subcommittee is authorized to write the comment letter to the Planning Department; Commissioner Freeman seconded the motion. All aye; the motion passed. Based on the commission's previous comments, the commission is expected to comment on the Draft EIR and does not need to request action from Board. However, in case there's a problem, Commissioner Freeman made a motion to request that the Board solicits the input of the FWAC on the EIR; Commissioner Johnson seconded the motion. All aye, the motion passed.
- E. Winter Storms Update. Due to the late start of the meeting, there was insufficient time to discuss this item.

8. STAFF REPORTS/ANNOUNCEMENTS.

9. CORRESPONDENCE

10. ADJOURNMENT – 9:05 PM.

NOTE: The next meeting is scheduled for September 7, 2017.

Submitted by K. Kittleson; Water Resources/Fish and Wildlife/2017 FWAC Meetings

County of Santa Cruz Fish and Wildlife Advisory Commission
GRANT APPLICATION

1. Project name

Classroom Aquarium Education Program (CAEP)
Also known as Santa Cruz Trout in the Classroom (TIC)

2. Amount of funding requested

\$2000

For each of the following sections, give a brief description:

3. Project Description

Through a classroom experience of hatching fish eggs and coordinated activities, students experience first-hand the value of aquatic environments, the balance that must be met to maintain and preserve California's fisheries and aquatic habitats, and how their personal actions affect these valuable resources.

Instructors and their students set up an aquarium in the classroom, receive fish eggs under a special CDFW permit, and observe the fish as they hatch and develop. The experience may culminate in a field trip to a local stream or river where the fish are released. This is a hands-on, interdisciplinary project for grades K-12.

The Classroom Aquarium Education Project is offered statewide in partnership with regionally-based community organizations who serve as sponsors, in this case, the Santa Cruz-Monterey Bay Area Student Subunit of the American Fisheries Society (SCMBAS). SCMBAS will provide volunteer and financial support to the teachers, so they can focus on teaching watershed related concepts. SCMBAS will provide all the equipment needed and assign a “coach” who is responsible for assisting the teacher with permitting, tank set-up and operation, delivering eggs to the classroom, troubleshooting, and other help as needed.

More information can be found at www.classroomaquarium.org.

There is a 9-minute video, which provides an overview of the program. Commissioners are encouraged to watch this informative, fun, and heartwarming video as it provides an excellent overview of the values of this project.

4. Project objectives and goals

- Inspire students to care about their local watersheds and native fauna.
- Teach students observational science skills and about the biology of trout and salmon.
- Help students recognize the contributions of hatcheries and wild fish programs to enhancement of the state’s fisheries.

County of Santa Cruz Fish and Wildlife Advisory Commission
GRANT APPLICATION

- Expose students to working “professionals” (SCMBAS members, City of Santa Cruz staff) who have pursued a career in fisheries biology.
- Provide teachers the opportunity to facilitate their own curriculum and experience due to the support of SCMBAS on equipment, egg delivery, and release.
- Allow teachers to benefit from local support from SCMBAS within the framework of CDFW’s larger TIC program with ample resources.
- Promote public awareness of the need to maintain and protect aquatic habitats.
- Specifically,
 - Provide a teacher training workshop for how to successfully hatch and raise fish in the classroom with a certification system recognized statewide.
 - Provide access to program materials for the classroom and student use (either directly given or opportunities for reimbursement).
 - Prevent spread of disease to wild and hatchery trout populations.
 - Deliver eggs to classrooms.
 - Collaborate with teachers on in classroom teaching.
 - Help with release of eggs into local lake.
 - Deliver and store aquarium equipment.

5. Background and history of the problem

One of the most successful ways to inspire environmental stewardship is through hands-on experiences. The problem is that these hands-on experiences tend to be logistically and financially limited for many. The “Fish in the Classroom” programs are a solution that combines resources available at the agency level (fish hatcheries, permits, etc.) with teachers and classrooms via a local sponsor organization. In this way, students benefit from a vivid experience of raising trout eggs and releasing fry in their local watershed, which is made possible by the logistic and financial support of local sponsors and agencies.

“Fish in the Classroom” programs originated in British Columbia in the late 1970’s. As a part of the new “environmental movement,” classes hatched and released salmon as an educational endeavor. The success of the program allowed it to “migrate” south through Washington, Oregon and into California.

In the 1980’s, a group of educators established the first programs that allow students to hatch fish in California. The program enjoyed explosive growth in the early days and has grown steadily since then spawned by the energy and enthusiasm of community partners, most of them fly-fishing clubs. The methods and technology have changed over the years but the basic premise of the program remains the same: students study local aquatic habitats and the life history of the chosen salmonid, operate a chilled aquarium in their classroom, and receive eyed-eggs from CDFW hatcheries to raise to the fry stage. The fish are released under permit into appropriate bodies of water within weeks.

Throughout the state, rainbow trout are the most commonly used fish, although salmon and steelhead are used where appropriate.

**County of Santa Cruz Fish and Wildlife Advisory Commission
GRANT APPLICATION**

Santa Cruz County hosted a vibrant and growing program hosted by the Monterey Bay Salmon And Steelhead Education Program (MBSTEP) until a combination of the drought and hatchery related issues made it impossible to utilize steelhead from a local hatchery. While native rainbow trout eggs were made available through the Department of Fish and Wildlife, the local sponsor opted to not support any teacher hatching rainbow trout and eventually ended their participation in this program in 2015.

The student-run American Fisheries Society Subunit in Santa Cruz (SCMBAS) stepped in in 2016 to fill the sponsor role serving Santa Cruz County teachers. SCMBAS helped deliver eggs to the two remaining classrooms participating in the TIC program.

In 2017, SCMBAS, in conjunction with the City of Santa Cruz and CDFW, is hoping to expand the program to support up to 10 new local teachers and their classrooms. To achieve this, we are requesting funding to obtain the necessary aquarium equipment to provide to the teachers at no cost. Materials include an insulated tank, chiller, filters, and related equipment along with curriculum, posters, and other support materials. In addition, we would like to have funds available to offer each teacher the opportunity be reimbursed for up to \$100 for classroom materials to enhance their class study of fish and habitats.

6. How will the project be accomplished (design specifications or plans, if applicable)

All teachers (2) currently certified in this program in Santa Cruz will be allowed to participate.

In addition, a certifying workshop will be offered early winter in Santa Cruz to train new teachers. This workshop will meet the minimum training standards set by CDFW to allow a teacher to apply for a permit to hold, transport, and release fish (form 772 permit).

SCMBAS will act as a sponsor providing direct service to classes including equipment and egg delivery, assistance with fish care, and educational collaborations. The City of Santa Cruz staff at Loch Lomond Reservoir provides additional coordination and educational programs for the release of fry.

The requested funding will provide support for 10 new teachers to participate in the program.

County of Santa Cruz Fish and Wildlife Advisory Commission
GRANT APPLICATION

7. Budget (include sufficient detail to explain use of grant monies). Specify if there are any sources of other funds committed to the proposed project.

Item	Funds Requested	Match Contribution	Total Amount
Incubation tanks (complete set) detailed list of components available upon request	\$3000 <i>(\$300 per tank set up x 10 new teachers = \$3000)</i>		\$3000
Classroom educational materials	\$1000 <i>(\$100 x 10 new teachers=\$1000)</i>		\$1000
Teacher time (teaching lessons, maintaining aquaria, etc.)		\$11,250 <i>(\$1125 x 10 teachers = \$11,250)</i>	\$11,250
AFS member time (deliver eggs, teach in classroom, release eggs)		\$1000 <i>(\$20/hr x 10 hrs x 5 members = \$1000)</i>	\$1000
City of Santa Cruz Loch Lomond staff (release eggs)		\$1200 <i>(\$30/hr x 2 hrs x 10 classrooms x 2 staff = \$1200)</i>	\$1200
City of Santa Cruz Funding contribution	-\$2000		
TOTAL AMOUNTS	\$2000	\$13,450	\$17,450

8. Timeline for completion

January 2018	AFS members purchase and assemble aquarium equipment
February 2018	Teachers set up tanks in classrooms
February 2018	Teachers begin implementing watershed curriculum
March 2018	AFS members deliver eggs to classrooms
May 2018	Teachers release fry in local waterbodies (AFS members and City of Santa Cruz assist in release)
May 2018	AFS members help teachers return permits to CDFW

County of Santa Cruz Fish and Wildlife Advisory Commission
GRANT APPLICATION

9. Background or history of your organization

The Santa Cruz-Monterey Bay Area Student Subunit (SCMBAS), is a student-led chapter of the larger organization of the American Fisheries Society (AFS). Our student subunit was founded in 2015, and has engaged in a variety of professional development, outreach, and service activities. For example, SCMBAS has led San Lorenzo river clean ups, participated in invasive species removal at Loch Lomond, supported travel to fisheries conferences, hosted speakers, and developed and executed education programs on watershed health and seafood fraud with Harbor High School. Our group is comprised of graduate students and other local fisheries professionals.

We are very excited to be involved with Trout in the Classroom because it provides us the opportunity to connect with local teachers, CDFW, and the City of Santa Cruz to cumulatively get to share our passion for fish and the aquatic environment. SCMBAS is looking forward to bringing our personal experiences as biologists and researchers to local students that may be considering similar careers, and additionally we are excited to pursue ways to incorporate actual scientific research and the scientific method into curriculum!

June 9, 2017

Kristen Kittleson
Fish and Wildlife Advisory Commission
County of Santa Cruz
701 Ocean Street, Room 312
Santa Cruz, California, 95062



Dear Ms. Kittleson,

We are writing to acknowledge the County of Santa Cruz Fish and Wildlife Advisory Commission for your generous support of the Exploring the San Lorenzo River Series, a joint project by the Santa Cruz Museum of Natural History (SCMNH) and the Coastal Watershed Council (CWC). We are happy to share the accomplishments of this educational tour series aimed at engaging the public around the San Lorenzo River ecosystem and raising awareness of its integral role in the health of our community.

From February to April, the Exploring the San Lorenzo River Series provided weekly tours along the lower San Lorenzo River for adults and youth to learn about what lives in the watershed. Each tour was led by a local birder, wildlife specialist or fisheries biologist, sharing their knowledge about local species and their life cycles, habitats and behaviors. Tours integrated hands-on exploration with short lectures, allowing participants time to learn and study native birds, fish and insects. Participants were prompted to consider the ecosystem within the greater urban landscape, learning about human impacts to the watershed and the best practices individuals can implement to protect habitats.

SCMNH and CWC were able to lead eight tours and one culminating BioBlitz event with the support of the Commission. The events engaged a total of 132 children and adults (an average of 22 participants per walk). Based on conversations with attendees, the program drew participants from all over Santa Cruz County and even some families visiting from outside the county. Creative print advertisements, social media marketing and outreach within youth and education networks ensured higher attendance when compared to the individual programs from previous years (CWC's Ecosystem Expeditions and SCMNH's Bird Walks had an average of 20 and 15 participants per walk, respectively). Each organization reached a broader audience through shared mailing lists, and grew our networks with local experts and scientists.

The Exploring the San Lorenzo River tours were led by creative and passionate experts from the Bird School Project, Santa Cruz Bird Club, UCSC Freshwater and Coastal Ecology Lab, Fish Bio and the National Marine Fisheries Society. Tour topics included bird identification and calls of migratory and local bird species; coho salmon genetics and hatchery science; anadromy and the life cycles of steelhead; benthic macroinvertebrates of the lower river; fish food chains of the lower river; and scorpions and arachnids of the San Lorenzo River watershed. CWC and SCMNH staff worked with tour leaders to integrate on-site learning with activities and games that helped participants of all ages get excited about the tour topic and retain knowledge.

For example, to demonstrate how spawning salmonids smell their way back to their native creek, staff set up a simplified San Lorenzo River watershed map with yarn and rocks. Cotton balls infused with different smells were placed at the confluences and in higher reaches of the watershed. Blindfolded participants had to smell their way from the San Lorenzo River mouth up the main stem to a tributary and eventually their spawning grounds. In another example, participants enjoyed creating onomatopoeic songs to remember bird calls as they learned to identify hidden birds or fast-flyers that

couldn't be spotted with binoculars.

These activities deepened the learning experience for all participants and were particularly engaging for budding naturalists such as Serna, a young participant, about 5 years old, who impressed us with her engagement and attention span. Over the course of one tour she mastered the binoculars, was the first to spot some quick-moving hummingbirds, and sang along with bird calls. Her aunt later wrote to us and shared that she has retained much of the walk and looks back on it positively.

“Felicia, Kevin, and others—

My niece, Serna, and I just wanted to thank everyone who made the Birding outing on the river last Saturday so great for us both.

Serna still remembers the photos, the skull, the birds by the bare eye and the scope—and she seems to remember it all fondly :). Last night we made the attached thank you card which I will mail, but since there are so many wonderful people and organizations involved her I thought I would first send you photos of it to share widely.

(Serna heard about golden eagles at school and she would like to see one. That is why she chose that to draw on the front. Also, she came up with the caption on the front: “The Golden Eagle as to be an bird!”)(sic)

Yours,

Farnaz Fatemi”

Experiences like Serna's build a foundation of care and connection to nature. Participants who learn from the San Lorenzo River look at it with new appreciation. As Sandy Lansdale, who attended nearly every tour writes:

"The Exploring series was so worth it. I learned many things - seeing more than 15 species of birds in a morning using the river amazed me - even 3 different raptors!; feeling how strong the current is in the middle of the river and how research is done to find the invertebrates and the fish that call the river home - we caught two steelhead juveniles getting ready to go to the ocean!; realizing that spiders really are fascinating and that we share this area with scorpions and neither are that dangerous to most of us. Overall what the series did for me was allow me to more fully immerse myself in the river habitat, increasing my appreciation for its beauty and how it supports many webs of life, all important to sustaining the health of our community. I am more of a river champion now than I was before."

The BioBlitz event concluded the Exploring the San Lorenzo River series on the morning of Earth Day. A BioBlitz is a citizen science event where members of the public observe, photograph and identify species within an ecosystem. It paints a quick portrait of biodiversity and species distribution and provides potential data for land managers and researchers. During the two-hour Earth Day BioBlitz event, 18 citizen scientists utilized identification skills and knowledge from previous tours to submit a total of 261 observations in San Lorenzo Park near the San Lorenzo River. California Academy of Sciences volunteers, members of the Fungus Federation of Santa Cruz, and past tour leaders were present to assist with species identification during the event. BioBlitz participants identified 82 species of flora and fauna from wild radish to carpenter bees. During this event, observations were submitted to the California Academy of Sciences' popular data collection program, iNaturalist. Through this BioBlitz, Exploring the San Lorenzo River participants have already taken action as environmental stewards; their data has been contributed to conservation projects, including groups monitoring lady beetles and

native biodiversity along the river.

Throughout the Exploring the San Lorenzo River Series diverse topics and citizen science activities drew returning participants and new faces. The level of engagement through every activity was inspiring not only to the participants, but also to both cooperating organizations and to each expert tour leader. We have enclosed photographs from some of our favorite Exploring the San Lorenzo River Series tours this spring. We were happy to share these images with recognition of the Fish and Wildlife Advisory Commission in our social media, including Facebook and Instagram.

Thank you for taking the time to review our report and for supporting the work of the Coastal Watershed Council and the Santa Cruz Museum of Natural History over the past year. Please let us know if you have any questions. We look forward to working together in the future to provide more educational and inspirational opportunities for the community to connect with the San Lorenzo River.

Warmly,



Greg Pepping
Executive Director
Coastal Watershed Council



Heather McCoy
Executive Director
Santa Cruz Museum of Natural History



Participants of the “Fish Families” tour play a coho genotype matching game to demonstrate the science behind coho hatchery management.

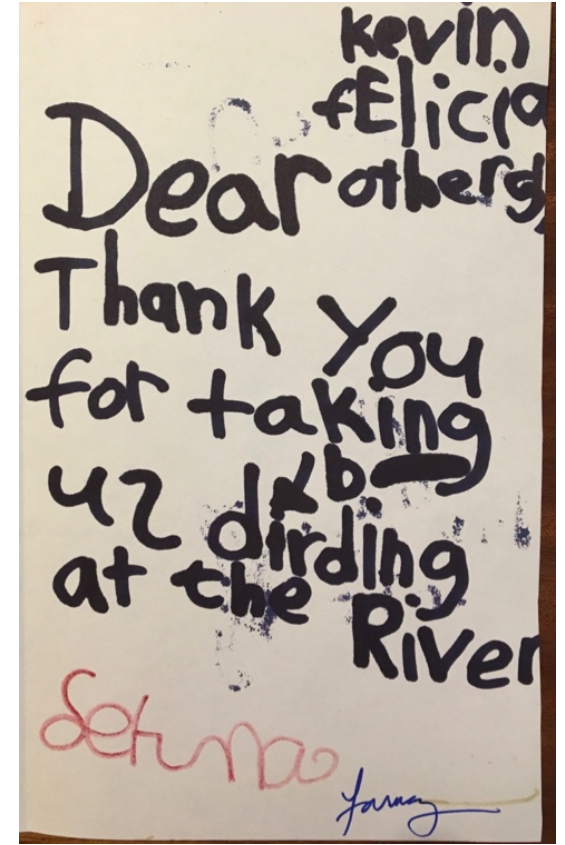


Participants of the “Spiders of the San Lorenzo River” get an unexpected visit from a San Lorenzo scorpion.



Left: Serna and her aunt Farnaz Fatemi examine a bird skull during a "Bird Walk" tour along the Santa Cruz Riverwalk.

Above: Thank you card from Serna to tour leaders.





To: Santa Cruz County Fish and Wildlife Advisory Commission
Ref: Report of the 2017 grant fund use for the CalTIP program
Date: 8/7/2017
From: John Robinson, CalTIP

The CalTIP Reward Committee has been able to continue it's mission through the generous support of yourself and others. The grant funds that were provided to the CalTIP Rewards Committee were used exclusively for reward payments throughout the state. Rewards were paid to those individuals who's report led to the apprehension of poachers and polluters.

The CalTIP Rewards Committee received the 2017 grant fund in the amount of \$1,000.00 from Santa Cruz County in mid March of 2017. The Rewards Committee has met once since receiving these funds and allocated \$250.00 in rewards leaving a balance of unused funds of \$750.00. The two cases reviewed were (1) unlawful take of deer with fetus, (putting the RP at risk) and (2) unlawful take of a bear cub, (no risk to the RP).

The CalTIP Rewards Committee typically meets four times a year to review CalTIP cases presented to them and establish a reward amount. It would be anticipated that by March of 2018 the Committee will have met three more times and would have used the remaining balance of \$750.00. Funding sources for the CalTIP program have historically been at a minimum and the Committee has been very conservative when establishing dollar amounts and rewarding a case. The Committee has also seen a slight reduction in cases brought to them for review in the last few years, These two scenarios would account for the unused balance at this time.

The Committee is very grateful for it's supporters and is dedicated to insuring that all funding resources are used effectively to benefit the CalTIP program. Given the nature of the program and the variety of the violations brought to the Committee for review, it is realized that a single reward at any given time of up to \$1,000.00 is not out of the question. The CalTIP Rewards Committee has been honored to have had the support of the Santa Cruz Commission since 1995 and will be reporting back with the use of the remaining unused funds.

CalTIP Stats: 7/1/2016 to 6/31/2017

	(State wide)	(Santa Cruz Co)
Regular hrs worked:	867.49	6
Overtime hrs worked:	919.77	27.46
Contacts:	2520	48
Warnings:	244	6
Citations:	108	1
Arrests:	9	2



RESOURCE
CONSERVATION DISTRICT
OF SANTA CRUZ COUNTY

820 Bay Avenue, Suite 136
Capitola, California 95010
tel 831.464.2950
www.rcdsantacruz.org

August 10, 2017

Kristen Kittleson
Fish and Wildlife Advisory Commission
County of Santa Cruz
701 Ocean Street, Room 312
Santa Cruz, CA 95060

RE: Revitalization of the Santa Cruz County Weed Management Area

Dear Kristen:

Last year, the Santa Cruz County Fish and Wildlife Advisory Commission awarded \$3,000 to the Resource Conservation District of Santa Cruz County (RCD) for the revitalization of the Santa Cruz Weed Management Area. The following brief report summarizes the work completed to date with these funds and describes the work that will be completed through the end of this year.

The RCD appreciates the support for this project, and looks forward to continued coordination with project partners on this important effort. Please contact me should you have any questions or concerns.

Sincerely,

A handwritten signature in black ink, appearing to read "Coburn".

Chris Coburn
Executive Director
820 Bay Avenue, Suite 136, Capitola CA 95010
(831) 464-2950 ext. 17
ccoburn@rcdsantacruz.org



To date, the RCD convened two Santa Cruz County Weed Management Area (WMA) meetings. The following agencies and organizations participated in one or both of those meetings: United States Fish and Wildlife Service, Land Trust of Santa Cruz County, County of Santa Cruz Parks and Recreation Department, Groundswell Coastal Ecology, Sempervirens Fund, County of Santa Cruz, Ecological Concerns, Santa Cruz County Fish and Wildlife Commission, California Department of Fish and Wildlife, University of California Santa Cruz, California State Parks, Planning Department of Santa Cruz County, and the Coastal Watershed Council.

Each meeting was well attended and provided an effective forum for conversation and planning in support of weed management issues in Santa Cruz County. During the first meeting, there was unanimous support for re-establishing the Santa Cruz County Weed Management Area and good discussion on the potential function and role of the WMA. However, during the second meeting, the group remained undecided about specific priorities for the WMA going forward, recognizing significant resource limitations. The following principals regarding the WMA were agreed upon during the meetings:

- The WMA provides a forum for agencies to discuss methods, issues, and opportunities surrounding weed management which did not exist before.
- The WMA requires secure funding for a part-time position or full-time position to be successful.
- Existing resources, such as Cal-Flora and Cal-Mapper, should be used to collect data for the WMA.
- The public needs to be a significant component of education and outreach.
- School systems can further outreach through projects as a requirement for upper division classes.

When applying for these funds, the RCD understood that the scope of work was relatively aggressive for the amount of funds requested. However, because the WMA is a priority for the RCD, the District is applying additional resources to complete the project. The timeline below indicates that two of the three planned WMA meetings have taken place; the third is scheduled for December of this year. While outside of the scope of this agreement, the RCD has also been working on the development and is planning to host the annual Weed Symposium in the fall. The RCD is working on content for the website as well as the educational materials, and expects to have those completed before the end of the calendar year. The timeline below highlights the work completed to date, the initial timeline that was proposed, and a revised timeline that identifies when work will be completed:

<i>Activity</i>	<i>Proposed Timeline</i>	<i>Updated Timeline</i>
<i>Convene three (3) WMA meetings</i>	<i>March 31, 2017, June 30, 2017, December 31, 2017</i>	<i>April 27, 2017, June 29, 2017, December 31, 2017</i>
<i>Develop WMA website</i>	<i>June 30th, 2017</i>	<i>December 31, 2017</i>
<i>Develop and distribute educational materials</i>	<i>June 30, 2017, December 31, 2017</i>	<i>December 31, 2017</i>
<i>Draft strategic plan</i>	<i>December 31st, 2017</i>	<i>December 31, 2017</i>

County of Santa Cruz Fish and Game Advisory Commission
GRANT REPORT

- A. Application Date 9/21/2016, Report Date 8/15/2017
- B. Name of organization or individual submitting the proposal: O'Neill Sea Odyssey
- C. Name, address, telephone number and email of contact person: Dan Haifley, 2222 East Cliff Drive #222, Santa Cruz, CA 95062; (831) 465-9390; dhaifley@oneillseaodyssey.org
- D. Fund recipient: O'Neill Sea Odyssey, 2222 East Cliff Drive, Santa Cruz, CA 95062
- E. Have you received a grant from the Fish and Game Advisory Commission previously? Yes.
 - 1. Project Name: Transportation for Santa Cruz County Stewards
 - 2. Amount of funding granted: \$1,000
 - 3. Project Description: O'Neill Sea Odyssey (OSO) requested funding for bus transportation to assist Santa Cruz County classes to participate in it's free, oceanography and environmental education program.
 - 4. Project objectives and goals: Transportation for Santa Cruz County Stewards will provide bus transportation for three Santa Cruz County classes to enable them to participate in OSO.
 - 5. Report: In the fiscal year that ended on June 30, 2017, a total of 201 classes, or 5,250 students served. \$57,578.45 was spent for bus scholarships for 111 classes. O'Neill Sea Odyssey's grant application said that the request, if granted, would be "...expended from April 1, 2017 to March 31, 2018, to align with the Commission's funding timeline. O'Neill Sea Odyssey will grant bus scholarships until the grant is expended, and its grant report will include a list of bus invoices paid."

O'Neill Sea Odyssey plans to expend the fund on Santa Cruz County classes during its fall 2017 season, from September 12 until December 15, 2017. A spread sheet of the classes served with bus scholarships and their amounts will be sent once the funds are spent.

County of Santa Cruz Fish and Game Advisory Commission
GRANT PROGRESS REPORT

Watershed Conservation Hallway Display

A. Report Date: August 15, 2017

B. Name of organization or individual submitting the report

Environmental Health Division of Health Services Agency

C. Amount of funding received

\$2,000

Project Description

The proposed project will update the existing hallway display at the County Building. The updated hallway display will include 7 large panels (36" X 45") that will cover a range of watershed topics and one smaller panel that explains the Santa Cruz County Stream Care Guide.

The proposed project will create 3 new panels for the display: Sandhills Habitat, Santa Cruz Salamanders and Landscape Connections (wildlife corridors). Four panels will be revised and updated and will include steelhead and coho salmon distribution and conservation, riparian protection and enhancement, and water resources. The display will be updated also to increase photo size, decrease the amount of text and highlight a few key ideas.

Progress Report

The project is underway but has been delayed by the 2017 winter storms workload. Staff has started work on both the Sandhills and Wildlife Corridor panels, including discussions with local experts, field research, and research on existing wildlife corridor policy and priorities. An Environmental Health intern researched information for the Wildlife Corridors panel, collected photos and created draft text. Staff has also started the process of contracting with the graphic designer and Sandhills expert.

Expected Timeline

Due to continued high workload, this project is expected to take an additional 6-9 months.

Report on the use of Grant funds awarded by the County of Santa Cruz Fish & Wildlife Commission in 2016 for 2017.

Native Animal Rescue took in 1275 animals from January 1st through June 30th, 2017. The Grant funds from the County of Santa Cruz Fish & Wildlife Commission were used primarily for food costs for wildlife. Seabirds required fish, and canids and raptors required frozen rodents which are quite costly. Birds are our most numerous patients and we needed a huge amount of mealworms, cat food, and seeds. Due to the arrival of Spring's baby mammals, we had to have five specific formulas for nursing animals, the formula for fawns being the most expensive.

Grant funds also covered medications and vaccines, both purchased through a participating veterinarian hospital and commercially. The use of antibiotics alone has saved many animals.

Rounding out the balance of funds are the need for everyday supplies such as laundry and cleaning supplies, gloves, paper products and cardboard transport boxes.

Thank you for providing financial support for us to continue our mission of rescuing, rehabilitating and releasing Santa Cruz County's sick, injured and orphaned wildlife.

County of Santa Cruz Fish and Game Advisory Commission
GRANT PROGRESS REPORT

Watershed Conservation Hallway Display

A. Report Date: August 15, 2017

B. Name of organization or individual submitting the report

Environmental Health Division of Health Services Agency

C. Amount of funding received
\$2,000

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Report on the Snowy Plover grant from the Fish and Wildlife Advisory Commission

August 15, 2017

California State Parks worked with the Mt. Madonna Elementary School 5th grade class to develop artwork that will let visitors know to that they shouldn't let their dogs off-leash during the winter at Seabright State Beach.

The winning artwork was printed on polyvinyl laminate signs and installed at several locations during the winter season on the portion of beach near where the plovers rest. There are at least 5 years of signs purchased through the grant that will we continue to be able replace damaged or stolen signs.

Signs will annually be taken down during the spring when the plovers leave for breeding sites and reinstalled each winter.

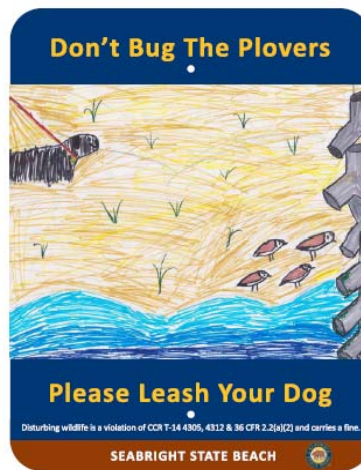
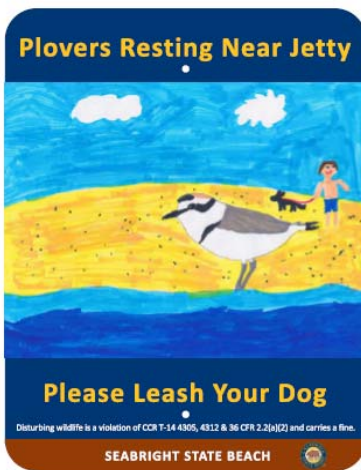


8.5"W x 11" H

qty 20

qty 20

qty 21



Complaint/Illegal dept.



Fish and Wildlife Game Advisory Commission
701 Ocean Street
Santa Cruz, CA 95060

Dear Sir/Madam:

I am a resident in Santa Cruz County, Aptos, living off Valencia Road. This road had quite some difficulties this past year with the heavy rains and washed out completely near Valencia School, half the road near the school and another half of the road just near Flume Road/Valencia Hall. A landslide occurred on the property 2335 Valencia Road. The private road was impassable. To the best of my knowledge, there are no houses on this road, but there are houses above the road where the mud landslide occurred. The slide did not affect the Valencia Creek until May of 2017 when the road was reconstructed and essentially the Valencia Creek became a landfill of debris, of dirt, vegetation, and trees that were fallen and cut down as well. Several people brought this to the attention of the Fish and Game Department in May also in June and also in July. When I called the Fish and Game Department, I was actually referred to CAL-TIPS that is what the Fish and Game told me to do. I then inquired again explaining that nothing has happened. The warden has not, to the best of my knowledge, checked out this problem and I am very concerned for several reasons: Since there is so much landfill and debris in the creek, the creek that runs all year is not running with water currently. This part of the Valencia Creek is known as counting-destination site. The debris is adjacent to the culvert. Many fish that are in this creek are destroyed and may never be replenished due to landfilling of the creek which has been taking place since May, as well as other wildlife (salamanders) and vegetation. Another concern is in the year 1995 or so, this area of Valencia Road washed out completely and the road required a new culvert and was completely blocked on all lanes for over a year and was very expensive to repair.

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I suspect that the culvert will become an issue this year because of the landfill and debris that has been placed into the creek adjacent to the culvert that is easily visible from the Valencia Road. As a matter of fact when this was first reported to the Fish and Game in May, we sent pictures of this problem via an email. Erosion and flooding issues that are quite costly and devastating to our community and state also very serious and dangerous to wildlife and humans as well. The last contact I had with the Fish and Game was on August 7, 2017 when I spoke to Cathy at 88-334-2258 via CAL-TIPS. She said that she would have the warden Byron Jones contact me personally on my cellphone and I have still not heard from the warden. An intervention needs to be made before there is more loss of wildlife and catastrophic erosion of the road, that led to Valencia School being relocated temporarily at Cabrillo College this past year from road washout in open running system, this is now clogged with debris-essentially landfill. I expect a written response to this letter and appreciate your prompt attention to this very serious matter.

I could also be reached by phone 831-840-6333 or mail at 7960B Soquel Drive, Mailbox #196, Aptos, CA 95003 or e-mail MRSPotkin@AOL.COM

Thank you for your attention.

Sincerely,

Benjamin N. Potkin