



CONTRA COSTA COUNTY

AGENDA

Fish and Wildlife Committee

Wednesday, September 17, 2025

3:00 PM

40 Muir Road, Martinez, CA 94553
Construction Conference Room

ZOOM LINK

<https://cccouny-us.zoom.us/j/83497196908>

| Dial: 888 278 0254 |

Access code: 198675

The public may attend the Fish and Wildlife Committee meeting in person and remotely via call-in or Zoom.

Persons who wish to address the Fish and Wildlife Committee during public comment or with respect to an item that is on the agenda may comment in person, via Zoom, or via call-in. Those participating in person should offer comments when invited by the Committee Chair. Those participating via Zoom should indicate they wish to speak by using the “raise your hand” feature in the Zoom app. Those calling in should indicate they wish to speak by pushing *9 on their phones.

3:00 P.M. Convene Meeting.

1. INTRODUCTIONS AND STATEMENT OF CONFLICT

A member who has a conflict should, prior to consideration of the decision: (1) publicly identify in detail the financial interest that causes the conflict; (2) recuse himself/herself from discussing and voting on the matter; and (3) leave the room until after the decision has been made.

2. REVIEW and CONSIDER APPROVING the minutes for the August 20, 2025 [25-3895](#) meeting.

Attachments: [8-20-25 Draft Minutes](#)

3. PUBLIC COMMENT

4. UPDATES AND ANNOUNCEMENTS (Presented by Staff and FWC Members)

Includes discussion of implementation of actions authorized previously, correspondence received, and upcoming meetings of interest to the FWC.

5. DISCUSS the Fall Forum.

6. CONTINUE to CONSIDER the 20 Fish and Wildlife Propagation Fund applications submitted by August 1, 2025. CONSIDER making a recommendation to the Internal Operations Committee of the Board of Supervisors on this matter. [25-3764](#)

Attachments: [A - Boise State University Additional Information](#)
[F - Cal State EastBay, Concord Campus Additional Information](#)
[H - International Bird Rescue Additional Information](#)
[L - The Watershed Project/Mira Vista Additional Information](#)
[N - Mt. View Sanitary District Additional Information](#)
[O - The Watershed Project/Steelhead Trout Additional Information](#)
[P - John Muir Chapter of Trout Unlimited Additional Information](#)
[S - Sierra Club Delta Group Withdrawal Letter](#)
[T - Earth Team Additional Information](#)

7. DETERMINE the agenda for the next meeting. The next regular meeting date is October 15, 2025. Possible agenda items for upcoming meetings include:
- Informational brochure on invasive species
 - Draft 2025 Work Plan and Annual Report
 - Delta Conveyance Project update
 - Field Trip
8. ADJOURN

The Committee Chair may alter the order of agenda items at the meeting. Please contact Maureen Parkes at 925-655-2909 or maureen.parkes@dcd.cccounty.us (or Abigail Fateman at 925-655-2908 or abigail.fateman@dcd.cccounty.us) at the CCC Department of Conservation and Development if you have questions about the Fish & Wildlife Committee or desire materials related to this agenda. Any disclosable public records related to an open session item on a regular meeting agenda and distributed to a majority of the FWC members less than 96 hours before the meeting are available for public inspection at 30 Muir Road in Martinez during business hours. The FWC will provide reasonable accommodation for persons with disabilities planning to participate in this meeting who contact staff at least 72 hours before the meeting.



CONTRA COSTA COUNTY

1025 ESCOBAR STREET
MARTINEZ, CA 94553

Staff Report

File #: 25-3895

Agenda Date: 9/17/2025

Agenda #: 2.

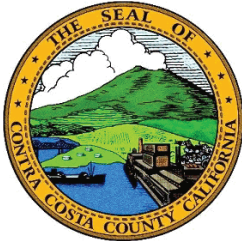
Advisory Board: Contra Costa County Fish and Wildlife Committee

Subject: REVIEW and CONSIDER APPROVING the minutes for the August 20, 2025 meeting.

Contact: Maureen Parkes (925) 655-2909

RECOMMENDATION:

REVIEW and CONSIDER APPROVING the minutes for the August 20, 2025 meeting.



CONTRA COSTA COUNTY

Committee Meeting Minutes - Draft

Fish and Wildlife Committee

Wednesday, August 20, 2025

3:00 PM

40 Muir Road, Martinez, CA 94553
Construction Conference Room

ZOOM LINK

<https://cccouny-us.zoom.us/j/83497196908>

| Dial: 888 278 0254 |
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3:00 P.M. Convene Meeting.

1. INTRODUCTIONS AND STATEMENT OF CONFLICT

A member who has a conflict should, prior to consideration of the decision: (1) publicly identify in detail the financial interest that causes the conflict; (2) recuse himself/herself from discussing and voting on the matter; and (3) leave the room until after the decision has been made.

Nicole Balbas, Courtney Coon, Tim Fares, Roni Gehlke, Susan Heckly, Kathleen Jennings, Brett Morris, Olivia Ortega, Danny Pellegrini and Jamin Pursell attended the meeting. Pam Arifian (Napa County, Conservation Division), Carmen Cano, Virgil Chaddock, Michelle Cordis (CCC Flood Control and Water Conservation District), Alex Domeyko (International Bird Rescue), Adèle Ho (Mira Vista Field Stewardship Committee), Phil Kohlmetz (International Bird Rescue), Lilly Lew (Marine Science Institute), Peter Mangarella (John Muir Chapter of Trout Unlimited), Hilario Mata (City of Pittsburg, Public Works), Robin Mitchell (Mt. View Sanitary District), Bob Peoples, Jill Ray (Office of District 2 Supervisor), Paul Seger (Diablo Water District and Sierra Club Delta Group), Constance Taylor, Jeffry Tibbetts and Ben Weise (Contra Costa Resource Conservation District) attended the meeting. Maureen Parkes (CCC Department of Conservation and Development) attended as staff.

2. REVIEW and CONSIDER APPROVING the Fish and Wildlife Committee Meeting Record for July 16, 2025. [25-3374](#)

Attachments: [7-16-25 Draft Minutes](#)

The meeting minutes were approved as written. (Vote: 8-1-0) Balbas, Fares, Gehlke, Jennings, Heckly, Morris, Ortega and Pellegrini; Abstain: Pursell; Absent: None)

3. PUBLIC COMMENT

Includes public comment on topics on the agenda and items not listed on the agenda. The FWC shall also accept public comment on agenda items at the time they are discussed.

There were no public comments.

4. UPDATES AND ANNOUNCEMENTS (Presented by Staff and FWC Members)

Includes discussion of implementation of actions authorized previously, correspondence received, and upcoming meetings of interest to the FWC.

Maureen Parkes provided the following updates to the Committee:

Michelle Cordis from the CCC Flood Control and Water Conservation District will be available via Zoom during today's meeting to answer any questions the Committee may have regarding the grant applications involving creeks.

Correspondence forwarded to Committee members:

- Emails from Supervisor Candace Andersen regarding the EBRPD Trail Network Expansion at Sycamore Valley Open Space Regional Preserve; Contra Costa Resource Conservation District is recruiting for a community member to fill an open seat on the Board of Directors; and the East Bay Regional Park District Free Fishing Day on August 30.
- Emails from Supervisor Diane Burgis regarding the Delta Stewardship Council announcement that its Delta Science Program will award \$5.9 million to fund eight critical scientific studies in the Sacramento-San Joaquin Delta and Suisun Marsh over the next three years; Congressman DeSaulnier will host an Environmental Town Hall & Resource Fair in Oakley, and information on the golden mussel and algal blooms.
- Email from Supervisor Shanelle Scales-Preston regarding a Walk & Talk at Radke Martinez Regional Shoreline that she partnered with East Bay Regional Park District.
- Email from Susan Heckly with a link to information on the UC Agriculture and Natural Resources - New Invasive Pests Webinar Mini-Series.
- Email from Abby Fateman with an article on kestrels.

Newsletters and Announcements forwarded to Committee members:

- Bringing Back the Natives - 2
- California Fish and Game Commission - 8
- Golden Gate Bird Alliance - 3
- Greenbelt Alliance - 1
- IPM Decision-Making Subcommittee agenda - 1
- IPM Training Subcommittee - 1
- John Muir Land Trust - 1
- Kids for the Bay - 1
- Lindsay Wildlife Experience - 1
- Save Mount Diablo - 2
- Urban Tilth - 4
- Department of Water Resources - 4

5. CONSIDER the following Consent items:**[TMP-12150](#)**

a) REVIEW and ACCEPT the letter of appreciation from Marine Science Institute regarding the grant they received for their "2025 Delta Discovery Voyage Program" project.

b) REVIEW and APPROVE the request from Kathy Kramer to modify the usage of approved grant funds for the 2025 "Bringing Back the Natives Events" project.

Attachments:[Marine Science Institute Letter](#)[Bringing Back the Natives Request](#)

The Committee reviewed and accepted Item 5a; and reviewed and approved Item 5b. (Vote: 9-0) Balbas, Fares, Gehlke, Jennings, Heckly, Morris, Ortega, Pellegrini and Pursell; Absent: None)

6. REVIEW and ACCEPT the final report from Worth a Dam for their 2025 Beaver dams build neighborhoods: 'Playing with a full deck' project.**[TMP-12148](#)****Attachments:**[Worth A Dam Final Report](#)

The Committee reviewed and accepted the final report. (Vote: 9-0) Balbas, Fares, Gehlke, Jennings, Heckly, Morris, Ortega, Pellegrini and Pursell; Absent: None)

7. DISCUSS the Fall Forum.

The Committee discussed the Fall Forum.

8. CONSIDER the 20 Fish and Wildlife Propagation Fund applications submitted by August 1, 2025. Consider inviting one or more organizations to the following meeting if the Committee has further questions on their grant proposals.

[TMP-12147](#)

Attachments:

[Grant Applications A - J](#)
[Grant Applications K - T](#)
[2026 Grant Summary Spreadsheet](#)
[Worksheet](#)
[2025 Grant Recommendations - for reference only](#)
[2024 Grant Recommendations - for reference only](#)

The Committee reviewed and discussed the grant applications. Several grant applicants were present and provided additional verbal information to clarify aspects of their applications. The Committee directed staff to request additional information for specific applications. Consideration of the grant applications was continued to the next meeting on September 17, 2025.

9. DETERMINE the agenda for the next meeting. The next regular meeting date is September 17, 2025. Possible agenda items for upcoming meetings include:
- 2026 grant application review
 - 2025 Fall Forum planning
 - Informational brochure on invasive species
 - Draft 2025 Work Plan and Annual Report
 - Delta Conveyance Project update
 - Field Trip

ADJOURN



CONTRA COSTA COUNTY

1025 ESCOBAR STREET
MARTINEZ, CA 94553

Staff Report

File #: 25-3764

Agenda Date: 9/17/2025

Agenda #: 6.

Advisory Body: Contra Costa County Fish and Wildlife Committee

Subject: CONTINUE to CONSIDER the 20 Fish and Wildlife Propagation Fund Grant Applications

Contact: Maureen Parkes (925) 655-2909

RECOMMENDATION:

CONTINUE to CONSIDER the 20 Fish and Wildlife Propagation Fund grant applications submitted by August 1, 2025. CONSIDER making a recommendation to the Internal Operations Committee of the Board of Supervisors on this matter.

1. Additional background and context - added in green

Assessing the demography of a threatened Golden Eagle population in California

The Altamont Pass Wind Resource Area (APWRA) in California is home to one of the densest reported populations of golden eagles in the world. The area, which includes parts of both Contra Costa and Alameda County, also supports large numbers of wind turbines that have altered the landscape and have killed many birds, including golden eagles. Wind energy is a significant resource in California, thus mitigating the impacts it has on wildlife is crucial to support the continued development of sustainable renewable energy.

Golden eagles are of high conservation concern, and a heavily managed species. In the APWRA, the golden eagle population has been a subject of intensive monitoring for several decades. Recent work has included surveying for occupied golden eagle territories, monitoring productivity and reproductive success at nests, and providing estimates of numbers of breeding pairs. For example, the monitored population is ~65-90 territories, of which 55-66% are occupied in any given year (Wiens & Kolar 2021). This information on numbers of territories and occupancy rates already has been important for making informed management decisions to limit disturbances of wind turbines on these eagles.

Despite the extensive monitoring that has occurred recently, two central problems to understanding and managing this eagle population are estimating rates of adult survival and estimating the true size of this population. Golden eagles are long-lived territorial raptors, and have delayed sexual maturity, consequently stable and high rates of adult survival are important for the persistence of their population. In a stable population, survival rates of adult territorial golden eagles should be ~90-95%. However, some golden eagle populations rates may be much lower (Millsap et al., 2022). Calculating longevity and death rates of eagles can be difficult since doing this requires monitoring large numbers of individuals and implementing techniques such as telemetry to track individuals, and because it can be expensive and time consuming. Similarly, reliable estimates of true population size are challenging to generate, especially for species like eagles with a prolonged sub-adult stage. However, estimates of these parameters can provide crucial insight into the stability and resilience of populations and thus can underpin future conservation and management efforts.

The goal of this project is to provide estimates of survival rates of territorial eagles, and to understand the true population size of the eagles in this APWRA population. We will use a non-invasive approach to estimate these parameters. These methods involve first the collection of molted (i.e., naturally shed) feathers at nests, territories, and roosts. Once feather samples are in hand, then we extract DNA from them. We gather this genetic material from the superior umbilicus of the feather - a blood clot found at the junction of the shaft of the feather and the plume (Horvath et al., 2005). We then use that extracted DNA to determine the sex of the individual that dropped the feather and to assign to that individual a genetic ID. Feathers with the same genetic ID will indicate the same individual. These ID's obtained can be compared across territories and years to determine presence or absence of individuals and will form the basis of our demographic analyses. For example, if we collect feathers from a territory in year 1 and identify male A and female B, then we can return to that territory in year 2 and see if those birds are still there. If they are both still shedding feathers, then it means that both survived over the course of the non-breeding season. If one or both has been replaced, it most likely means that one or both did not survive. These approaches rely on the fact that adult eagles return to the same site to breed year after year, and non-breeders tend to congregate in large numbers at certain sites. In both cases, these birds naturally shed feathers which can be used for the foundation of the non-invasive analyses we propose. There have been several recent examples showing that these types of non-invasively collected data can then be used to estimate population size, turnover, and survival of populations.

Over the past 10 years, ~11,000 molted golden eagle feathers have been collected at known nest and roost sites of golden eagles in the APWRA. In Contra Costa County alone, there are approximately 14 golden eagle territories which have been monitored between 3 to 8 years, with an additional >30 territories outside of the county at which feathers have been collected. Our lab and statistical analyses will rely on these feathers. It is not possible or necessary to analyze all 11,000 feathers, so we have implemented a subsampling approach that lets us estimate demography by only analyzing some of these feathers. To estimate turnover and survival rates we will target ~1000 feathers collected from ~40 eagle territories in the two counties that were each visited each year for 5 – 8 consecutive years.

Once feathers are in hand, we will then extract DNA from feathers until both individuals in a breeding pair are genetically identified in several feathers (i.e., we won't analyze all feathers from all territories, just enough feathers to identify the territorial male and female at each territory in each year). These genetic IDs will be compared across years and territories, allowing us to track individuals over time. We can then use a classical mark-recapture analysis to estimate turnover and survival rates. Doing this will also allow us to calculate APWRA-specific metrics unique to this population. As an example, we expect to compare turnover and survival rates at nests that are far from vs. close to wind turbines, to understand if turbines are disproportionately impacting territories that are closer to the wind facility.

To estimate the size of the non-breeding portion of the population, we will use a similar approach. Feathers have been collected at shared roost sites, areas occupied by non-breeding individuals, in the APWRA. We implemented feather collection at one of these roost sites each quarter across a one year. We will extract DNA from ~700 feathers that were collected at this site and identify (genetically) individuals present. We will then use another mark-recapture analysis to estimate detection rates across these visits and use these data to estimate the total size of this group. Specifically, we plan to use a Cormack-Jolly Seber (CJS) open-population model approach (Lukacs and Burnham, 2005) with program RMARK to estimate population size at this roost.

Estimates of survival rates of breeding eagles and population size estimates of non-breeding eagles will provide additional understanding as to the stability of this unique eagle population in the face of the numerous fatalities that occur at wind turbines in the APWRA. Knowing which breeding pairs or territories are affected by fatalities and knowing the total size of the population are key pieces of information that can be used to improve future management for this at-risk population.

Referenced Literature:

- Horváth, M. B., Martínez-Cruz, B., Negro, J. J., Kalmár, L., & Godoy, J. A. (2005). An overlooked DNA source for non-invasive genetic analysis in birds. *Journal of Avian Biology*, 36(1), 84–88.
- Lukacs, P. M., & Burnham, K. P. (2005). Review of capture-recapture methods applicable to noninvasive genetic sampling. *Molecular ecology*, 14(13), 3909-3919.
- Millsap, B. A., Zimmerman, G. S., Kendall, W. L., Barnes, J. G., Braham, M. A., Bedrosian, B. E., et al. (2022). Age-specific survival rates, causes of death, and allowable take of golden eagles in the western United States. *Ecological Applications*, 32(3), e2544.
- Wiens, J.D. and Kolar, P.S. (2021). Golden eagle population surveys in the vicinity of the Altamont Pass Wind Resource Area, California, 2014–21. *U.S. Geological Survey Open-file Report No. 2021-1107*.

2. An explanation of the benefits in Contra Costa County and how the data could be used in the future.

This project will directly support management and conservation of raptors in Contra Costa County. The data will provide additional and critical information to understand the impact of wind turbines on population demographics of golden eagles in the APWRA and the broader region, including the large proportion of breeding eagles that reside in Contra Costa County. The molecular techniques employed in this project will provide information on the demographics of these eagles, including survival estimates of adults, which are critical estimates for understanding and managing populations. An understanding of how and to what extent these populations are impacted by wind turbines will benefit not only golden eagles but raptors who may be disturbed similarly, while simultaneously supporting the goals of sustainable renewable energy and future wind projects.

As an example, typical annual survival rates of adult golden eagles are between 90 and 95%, meaning that in any given year, between 90 and 95% of birds should survive to see the next year. Eagles also show nest-site fidelity, meaning that if they survive from one year to the next, they should continuously occupy the same territory and nest sites. Thus, if this population is stable, then we expect turnover rates at territories to be at or below 10% (i.e., more

than 90% of birds we identify at a territory should have also been there the year before). If we discover that turnover rates are higher, this would indicate to Contra Costa County that the mortality from wind turbines is not sustainable and that if the County wishes the eagle population to persist in the future, mitigative action may be required.

3. Can the data be shared?

The genetic results of this project can be shared. At the completion of this project, a final project report, including results of this project will be shared with Contra Costa County Fish and Wildlife as per the requirement of this grant. We also expect these data to be uploaded to a public database in conjunction with publication of our results in a peer-reviewed scientific journal.

4. Can the project proceed without funding indirect costs?

The project cannot proceed without indirect costs because they represent real expenses that universities incur to support sponsored projects. Without these costs being covered, universities would be subsidizing sponsored activities, which is unsustainable. Sponsors paying indirect costs ensures that universities are fairly reimbursed for the resources they provide to collaborate with external entities, and this ensures that sponsored projects can be conducted effectively, compliantly, and with proper oversight. Indirect cost recovery helps universities maintain and improve their infrastructure, which benefits all activities, including those sponsored by external organizations.

From: Kathy Cutting <kathryn.cutting@csueastbay.edu>
Sent: Thursday, August 28, 2025 3:52 PM
To: Maureen Parkes <Maureen.Parkes@dcd.cccounty.us>
Cc: Kate Shade <kate.shade@csueastbay.edu>
Subject: Re: CCC Fish & Wildlife Propagation Fund - Request for More Information

Dear Maureen,

Thank you for reaching out.

The 2023 grant funds, which Ben Weise and Kathy Cutting were managing, paid for educational supplies including galvanized individual plant ID sign posts. The signage mentioned here is specific to alerting the public to the project and encouraging people to plant pollinators.

We established a flexible project timeline due to varied plant availability. Our intent was to establish irrigation in early 2026 and purchase the listed native plants as they become available throughout the calendar year. All would be planted, with irrigation available, before the end of the grant-award, December 31, 2026.

With regard to the water tank, it was suggested long ago but never purchased. We survived off of rain barrels and jugs at the time. Now, with this larger area, we are seeking to improve our irrigation method.

We hope this helps. Let us know if you have any further questions.

Sincerely,
Kathy and Kate

On Thu, Aug 21, 2025 at 11:19 AM Kate Shade <kate.shade@csueastbay.edu> wrote:

FYI

----- Forwarded message -----

From: **Maureen Parkes** <Maureen.Parkes@dcd.cccounty.us>
Date: Thu, Aug 21, 2025 at 11:14 AM
Subject: CCC Fish & Wildlife Propagation Fund - Request for More Information
To: kate.shade@csueastbay.edu <kate.shade@csueastbay.edu>

Dear Ms. Shade,

At its August 20, 2025 meeting, the Contra Costa County Fish and Wildlife Committee reviewed your grant application for *"Establishing Pollinator Habitat at Cal State East Bay Concord Center."* The Committee will continue reviewing applications at its September 17, 2025 meeting and is requesting additional information in advance:

The Committee is seeking a reduction in costs and would like clarification on whether any items purchased through the 2023 grant for “*CSUEB, Concord Eco-Cultural Garden Outdoor Classroom*” (in which Ben Weise from CCRC and Kathy Cutting were involved) could be used for this project—for example, signage, a water tank, or other materials.

- The Committee had previously suggested that a water tank be purchased with grant funds. Was this ever completed?

Please provide your responses by **September 8, 2025**, so they may be included in the meeting agenda packet.

Thank you.

Maureen

Maureen Parkes
Contra Costa County Department of Conservation and Development
30 Muir Road
Martinez, CA 94553
Phone: 925-655-2909
Email: maureen.parkes@dcd.cccounty.us

From: [Phil Kohlmetz](#)
To: [Maureen Parkes](#)
Cc: [Alex Domeyko](#)
Subject: Re: CCC Fish & Wildlife Propagation Fund - Request for More Information
Date: Monday, September 8, 2025 8:04:34 AM
Attachments: [International Bird Rescue 2026 Additional Context as Requested.pdf](#)

Good morning Maureen,

Thank you for inviting us to provide additional, accurate context about our current grant application, in support of the Committee's continued grant considerations.

Contra Costa County has been a consistent, valued, and necessary partner in our multi-agency, multi-year effort to provide immediate life-saving responses that benefit both people and wildlife in our community, and that meet the high standards and requirements for funding related to the CA Fish and Game Code.

Attached please find our two-page .pdf that addresses the Committee's request for additional context and information. We will be sure to be in attendance (either in-person or virtually) to be available to answer questions, clarify information, and to speak whether during public comments or to address specific agenda items.

Thank you for all you do to keep the County's processes operating smoothly, and to the Committee for their service as volunteers in support of Contra Costa wildlife.

sincerely,
Phil

Phil Kohlmetz
pronouns: he/him/his
Grants Coordinator, [International Bird Rescue](#)
grants@birdrescue.org / [m] (+1) 707-704-0350

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[View/download our Annual Report](#)

***We dream of a world in which every person, every day, takes action to protect the natural home of wildlife and ourselves.
Be their voice!***

On Thu, Aug 21, 2025 at 12:09 PM Maureen Parkes <Maureen.Parkes@dcd.cccounty.us>
wrote:

-

Dear Alex and Phil : At its August 20, 2025 meeting, the Contra Costa County Fish and Wildlife Committee reviewed your grant application for *“Ethically and Effectively Resolving Human/Wildlife Interaction Issues in Contra Costs County Through Temporary Emergency Treatment and Care of Injured and Orphaned Wildlife.”* The Committee will continue reviewing applications at the September 17, 2025 meeting and is asking applicants to provide additional information before then.

- To assist with the review, please provide additional context on cost share of the overall program and a prioritized list of specific equipment requested in the grant application.

Please send your responses by **September 8, 2025**, so they can be included in the meeting agenda packet.

Thank you, Maureen

Maureen Parkes
Contra Costa County Department of Conservation and Development
30 Muir Road
Martinez, CA 94553
Phone: 925-655-2909
Email: maureen.parkes@dcd.cccounty.us



Additional context on cost share of the overall program and a prioritized list of specific equipment requested in the grant application, as requested by Contra Costa County Fish and Wildlife Committee

September 8, 2025

Consistent with State of California Fish and Game Code, and with Contra Costa County written and verbal (unwritten) guidelines, **our funding request focuses on necessary, physical material that our professional staff and numerous volunteers will use, more than once, to effectively and efficiently ensure our continued ability to provide immediate, life-saving care for native wildlife referred to us from Contra Costa residents, agencies, and organizations.**

We are pleased to provide additional, accurate, objective context, and as described in our 4-page application (Cover Sheet plus 3 pages):

- Our overall organizational budget is ~3.75 million annually for all programs and services, 11% of which is service provided to Contra Costa County people and wildlife at a value of \$412,500. Facilities, vehicles, and equipment alone is budgeted at \$215,400, and 11% of that figure is \$23,694. **The maximum grant request amount in our most recent application of \$20,719.92 is \$2,974 less than the already-narrowed portion of Facilities, vehicles, and equipment expenses (\$23,694) necessary to serve Contra Costa County.**
- Looking specifically at the Northern California Avian Rehabilitation and Research Program, which is the *most direct expression* of 13103(b), it has annual expenses of \$754,412, 11% of which is service provided to Contra Costa County people and wildlife, for a value of \$82,985. CDFW has confirmed with other jurisdictions that personnel costs *are* allowable expenses for County Fish and Wildlife grants. Nonetheless, in concert with Contra Costa County directives, if we remove all project/program-specific personnel costs of \$440,000, we have a figure remaining of \$314,412 of *program-specific expenses that are necessary and are not part of our general operations or other programs*. Eleven percent (11%) of \$314,412 is \$34,585 of *Contra Costa County program-specific expenses that are necessary and are not part of our general operations*. **The maximum grant request amount in our most recent application of \$20,719.92 is \$13,865 less than the already-narrowed portion of Contra Costa County program-specific, non-personnel expenses (\$34,585) that are necessary and are not part of our general operations.**

In short, whichever way one “slices” or examines our a) grant application, b) the proposed grant expenses, and c) our program and organizational budgets, we have listened carefully to the Committee for many years and made repeated, good-faith, best attempts to respond to your written and verbal statements about how you prefer to review grants:

- Excluding personnel costs
- Using specific, to-the-penny, estimates
- Keeping requests in line with prior year requests and awards
- Keeping to strict, short page limits, and providing additional info whenever it is requested
- Focusing on necessary, tangible items specific to Contra Costa County patient load
- Involve the direct purchase of goods and materials that DO NOT require installation or labor, or trigger prevailing wage requirements
- Respect for the Committee’s decision-making process

The \$20,719.92 of multiple items originally requested in this year's application:

- A. Presumes all of the aforementioned financial and Committee considerations,
- B. Was presented in rank-order of importance,
- C. **Is intended to help the Committee realign itself with the previously dictated criteria to focus grant requests on individual, line-item expenses *that themselves are specific to Contra Costa County Fish and Wildlife Committee criteria*, while also**
- D. Providing context for overall program and organizational expenses as part of Question 5 (Annual Budget for Organization), and in consideration of Contra Costa County's 11% cost share.

We approach other funders (private, individual, and public, both inside and outside of Contra Costa County) to "back-fill" expenses that the Committee rejects or declines to consider. International Bird Rescue has not to-date requested that Contra Costa County fully cover its share of the costs-of-service we provide to its citizens, residents, and wildlife. Yet, we continue to do this work because it aligns with our values. In short, it's the right thing to do.

We hope that the Committee shares our values of a) compliance with CA Fish and Game Code, b) resolving human/wildlife interaction issues by supporting life-saving care of wildlife native to Contra Costa County, and c) respect for long-standing, multi-dimensional partnerships that benefit the people and wildlife of California (in general) and Contra Costa County (specifically).

For ease, the prioritized list of specific equipment necessary to address CA Fish and Wildlife Code Section 13103(b): "Temporary emergency treatment and care of injured or orphaned wildlife" from our application is reproduced below:

Cost	Item	Description
\$5,169.13	Bovie MI-750 LED Surgical Light	Replacement of the fully-non-repairable surgical light in our Surgery Suite to support patient outcomes for birds rescued and/or referred from Contra Costa County (the manufacturer of our current unit no longer repairs nor makes replacement parts for our unit, due to its age)
\$4,422.96	Two Bovie MI-550 Exam Station Lights	Replacement of two fully-non-repairable Exam Station lights (the manufacturer of our current units no longer repairs nor makes replacement parts for our units, due to their age)
\$2,052.52	Raypak 106 105,000 BTU Propane Gas Warm Water Pool Heater	Replacement of the fully-non-repairable above-ground, warm water pool heater to support aquatic bird patients rescued and/or referred from Contra Costa County, as they re-establish their waterproofing: necessary for release back to the wild at species-appropriate locations
\$2,145.83	Disinfectant Station	Disinfection is critical for dishes, habitat enclosures, gavage tubes for feeding, floors, and for reusable medical supplies due to HPAI (aka Bird Flu); e.g., mallards rescued from Contra Costa County are asymptomatic carriers of Bird Flu
\$2,320.40	Two OSHA-compliant Fortress Aluminum 4-Riser Stairs Systems	Replacement of two sets of dilapidated, non-OSHA-compliant wooden stairs for rehabilitation pools housing aquatic bird patients rescued and/or referred from Contra Costa County, to improve health, safety, and working conditions
\$2,022.10	Two Brinsea TLC-50 Advance Series II ICU / Recovery Incubators	Replacement of two fully-depreciated and non-operable incubators used for newly hatched chicks and sick, injured or orphaned birds from Contra Costa County
\$1,021.00	Two Vitamix Commercial-grade Blender with Trian Containers	Replacement of two fully-non-repairable and non-operational industrial-grade animal food preparation blenders, necessary for animal nutrition while patients are in care and undergoing rehabilitation
\$1,030.00	Welch Allyn 3.5V Ophthalmoscope	Replacement of aged, poor-functioning, Veterinary equipment to improve patient diagnostics and outcomes
\$535.98	Frigidaire 28" Freezer Refrigerator	Replacement of rusted, damaged refrigerator that stores medicines for patient intake, with new, Energy Star unit
\$20,719.92	TOTAL	

From: [Adèle Ho](#)
To: [Maureen Parkes](#)
Cc: juliana@thewatershedproject.org juliana@thewatershedproject.org
Subject: Re: CCC Fish & Wildlife Propagation Fund - Request for More Information
Date: Thursday, August 21, 2025 6:51:46 PM
Attachments: [grant estimate - detail.pdf](#)
[grant estimate - detail with weblinks.xlsx](#)

Hi. Maureen. Attached is our detailed cost estimate, one version a pdf and one version excel with URLs and/or clickable links for the various items. When I went to double check all the numbers, some items had changed a bit in price so the totals for the first 3 tasks have changed very slightly. The grand total is still the same.

I believe the review committee did not quite understand who the Mira Vista Field Stewardship Committee is. (Understandable, with so many grants to read!).

I would like for them to know that it is a group of community members who have been stewards of Mira Vista Field for the past 40+ years. And that The Watershed Project is our fiscal sponsor since we are not a nonprofit.

We have worked with The Watershed Project at the field win the past, notably when the 2005 Field Restoration Guide was developed.

Please let me know if you need anything else.
Thank you!

Adèle Ho, P.E.

e-mail: AdeleHoPE@aol.com
phone: (510) 815-4043

On Aug 21, 2025, at 12:17 PM, Maureen Parkes
<Maureen.Parkes@dcd.cccounty.us> wrote:

Dear Juliana and Adèle: At its August 20, 2025 meeting, the Contra Costa County Fish and Wildlife Committee reviewed your grant application for "*Mira Vista Field Restoration Project*." The Committee will continue reviewing applications at its September 17, 2025 meeting and is requesting additional information in advance:

- The Committee requests a more detailed itemized budget. (ie: # of items, cost per item, etc.)

Please provide your responses by **September 8, 2025**, so they may be included in the meeting agenda packet.

Thank you.

Maureen

Maureen Parkes
Contra Costa County Department of Conservation and Development
30 Muir Road
Martinez, CA 94553
Phone: 925-655-2909
Email: maureen.parkes@dcd.cccounty.us

MIRA VISTA FIELD RESTORATION PROJECT

Task #	Description	Item	quantity	unit cost*	extension	Task Subtotals	reference / comments	*unit costs include estimated tax and shipping, and have been rounded to nearest dollar
1	Restoration tools, equipment and materials					\$ 4,960.00		
		hand pick axe	8	\$ 45.00	\$ 360.00		https://www.amazon.com/Fiskars-Pro-Pickaxe-Asbsorbing-Construction/dp/B08FJKRM5T/ref=sr_1_1_sspa?crid=RPFXXKTO6BQRT&dib=eyJ2ljo1MSJ9.ASVndBnVY	
		string trimmer, battery operated	2	\$ 300.00	\$ 600.00		https://egopowerplus.com/string-trimmer-powerload-line-iq-st1623t/	
		extra batteries	2	\$ 300.00	\$ 600.00		https://www.amazon.com/dp/B09QMjXZ99/?language=en_US&cstrackid=9b2c0fa1-c2c9-409f-afdc-da4372e6aca0&tag=chervon_ego_csus-20&th=1	
		hand mower with thatch collection, battery operated, with spare batteries	2	\$ 900.00	\$ 1,800.00		https://www.greenworkstools.com/collections/self-propelled-mowers/products/60v-22-brushless-cordless-self-propelled-lawn-mower-w-2-5-0ah-battery-6a-	
		wooden stakes, 30", pkg of 25	4	\$ 25.00	\$ 100.00		https://surveysupplyinc.com/30-inch-survey-stakes-/?srsltid=AfmBOoo-m3vhSbGZ02Chy24_7hqoqT4jm5s7eE4fJ57lo1T2kFa6qlfs	
		flagging tape, 300 ft roll	30	\$ 3.00	\$ 90.00		https://surveysupplyinc.com/presco-texas-roll-flagging-orange-priced-per-roll/?searchid=154500&search_query=flagging+tape	
		surveyors flags, 21" 2"x3", case of 1000	1	\$ 160.00	\$ 160.00		https://surveysupplyinc.com/21-inch-wire-staff-flags-2x3-case-of-1000-/?searchid=154511&search_query=flags	
		metal exclusion fencing with stakes, 30", 50 ft length	4	\$ 150.00	\$ 600.00		https://www.amazon.com/Decorative-Outdoor-Rustproof-Fencing-Temporary/dp/B0F43LP8G4/ref=sr_1_19?crid=UT9BKFT1BG11&dib=eyJ2ljo1MSJ9.0qlOnt-0YS	
		power strip for battery chargers	1	\$ 50.00	\$ 50.00		https://www.amazon.com/CCEI-Protector-Industrial-Extension-Appliance/dp/B0CPI6L6TT/ref=sr_1_2_sspa?crid=1CNUP7K1W0CNA&dib=eyJ2ljo1MSJ9.h8tojv	
		backpack sprayer; prices range from \$100 to \$300	2	\$ 150.00	\$ 300.00		https://a.co/d/1oUk0f8	https://www.amazon.com/dp/B07ZQT4TVV?linkCode=ogv&th=1&maas=maas_adg_api_581121004656200524_macr
		"Habitat Restoration Area" signs	20	\$ 15.00	\$ 300.00		https://www.amazon.com/Restoration-Wildflowers-Portlinator-Weatherproof-Aluminum/dp/B0F9TLZ2XD?gQT=1&th=1	
2	Mulching pathways so people do not trample restoration areas					\$ 1,750.00		
		wood chips		donated	\$ -			
		Bobcat Rental - 3.5 days	3.5	\$ 500.00	\$ 1,750.00		special community discount price from All Star Rents in San Pablo. Fine grading/spreading of chips by volunteers.	
3	Public Education at the field: Refurbish bulletin board, install signage					\$ 5,060.00		
		new bulletin board	1	\$ 2,000.00	\$ 2,000.00		https://outdoordisplaycases.com/collections/double-door-outdoor-letter-board-message-centers/products/outdoor-enclosed-letter-board-message-center-4	
		concrete for post foundation	2	\$ 250.00	\$ 500.00		Estimated cost of concrete. Digging and installation by volunteers	
		sign design (LS)	1	\$ 800.00	\$ 800.00		allowance for assistance from design professional	
		sign production, mounting hardware	3	\$ 350.00	\$ 1,050.00		one sign at each of three entrances to the field. Design and layout by volunteers; sign production by FastSigns or other; installation by volunteers	
		doggie poopie bags, one year supply	1	\$ 710.00	\$ 710.00		https://muttmitt.com/mutt-mitt-singles/	add to counter TWP administree subsequent years funded by donations
4	Website hosting					\$ 450.00		
		startup cost	1	\$ 250.00	\$ 250.00		2 hours consultation provided by platform. Actual setup by volunteer from the community.	
		annual fee	1	\$ 200.00	\$ 200.00		A basic WordPress site with a domain, basic hosting, and a purchased theme could cost around \$100-500 per year.	
5	Postcard handout					\$ 120.00		
		printing	200	\$ 0.60	\$ 120.00		printer TBD. Unit cost from internet search.	
6	Restoration Guide Update					\$ 200.00		
		printing - guide and map	20	\$ 10.00	\$ 200.00		printer TBD. Unit cost from internet search.	
7	Public Outreach and Volunteer Appreciation Event					\$ 200.00		
		food and beverages	1	\$ 100.00	\$ 100.00		allowance for purchase by volunteers of food and beverages	
		flyer and poster printing	1	\$ 100.00	\$ 100.00		printer TBD. Unit cost from internet search.	
	TOTAL GRANT REQUEST					\$ 12,740.00		

From: [Robin Mitchell](#)
To: [Maureen Parkes](#)
Subject: MVSD grant application
Date: Tuesday, September 2, 2025 10:32:26 AM
Attachments: [image001.png](#)

Contra Costa County Fish and Wildlife Committee,

I attended the CCCFWC meeting on August 20, 2025. No questions were asked so I am offering this email to clarify a few points that were misrepresented in the meeting.

The Mt. View Sanitary District (MVSD) wastewater treatment plant discharges to Moorhen Marsh which discharges to McNabney Marsh through Peyton Slough which is a tributary of Carquinez Strait. McNabney Marsh is a tidal marsh, not a lake. McNabney Marsh is owned and maintained by MVSD and East Bay Parks Regional Park District. The flow of water in and out of McNabney Marsh from the Strait is controlled by a tide gate that is owned and operated manually by a private company. Neither MVSD nor East Bay Parks has control of the tide gate. A project is currently underway to automate that tide gate which will help to regulate the flow of water to a more natural state, improving habitat and water quality. MVSD and East Bay Parks are participating in the planning and implementation of that project to ensure the needs of McNabney are integrated into the plan. Maintenance of McNabney has no part in the application submitted.

Moorhen Marsh is the first constructed wetland on the west coast dependent solely on *treated* effluent as its primary water source. The wastewater treatment plant treats the wastewater and Moorhen Marsh receives it. MVSD currently meets all permit requirements for water quality, including nutrients. Aeration is not needed to treat the water to meet permit limits. MVSD is not trying to sneak in required maintenance or treatment, as was stated. The purpose of the aeration project is to protect the wildlife and habitat in Moorhen Marsh from harmful algal blooms. These algal blooms have been seen throughout the Bay Area and have affected Moorhen Marsh for the past three years. The purpose of aeration is to interrupt the algae life cycle, thus reducing algae, thus improving the habitat and overall ecosystem. The Wetlands Education Program is a direct beneficiary of the health of Moorhen Marsh. Students learn to appreciate a thriving environment and its wildlife firsthand. When there are harmful algal blooms in Moorhen, the marsh closes, and the field trips are canceled. MVSD collects no fees to support the Wetlands Education Program. All sewer rates/fees collected are for wastewater treatment. MVSD views the Wetlands Education Program as a priority and thus spends \$55,000/year to run this program so that it can be provided free to students. That cost excludes the staff time it takes to maintain the program and do things like apply for grants.

The acquisition of sustainable lifelike animal specimens is important, so students have an accurate representation of the wetland wildlife and their adaptations. While the Lindsay Wildlife Experience is a local resource, they host their own wildlife educational programs which utilize the animal specimens. Our program operates four days a week, 28 weeks a year, and specimens from Lindsay Wildlife are not as readily available as was suggested. In the past, Lindsay Wildlife would come retrieve their specimens as they needed for their programs. Having our own specimens would guarantee that they are present during all field trips and teachers would not have to pivot at the last second to account for not having them.

There is no rule regarding how often one can apply for this grant, so it seems that the frequency of application should not be a criterion to consider or weigh. However, it was brought up regarding more than one applicant. Specifically, it was mentioned that someone who hasn't worked for MVSD for several years used to apply every year. It seems that frequency does matter in the decision making, even if it is at an unofficial level.

Please let me know if there is anything else that I can clarify regarding our application.

Robin Mitchell

Public Outreach & Administrative Services Supervisor

Mt. View Sanitary District | 3800 Arthur Road | Martinez, CA 94553

Office 925-228-5635 x20 | Cell 925-723-2996

MVSD.org | [Facebook](#) | [Instagram](#)



From: Satoko Mills <satoko@thewatershedproject.org>
Sent: Friday, August 29, 2025 3:27 PM
To: Maureen Parkes <Maureen.Parkes@dcd.cccounty.us>
Subject: Re: CCC Fish & Wildlife Propagation Fund - Request for More Information

Hi Maureen,

Thanks very much for waiting.
The Watershed Project's answers to your questions are as follows.

1. Itemized budget \$3150
 - a. HOBO replacement $\$159 \times 4 = \750 (tax and shipping included)
 - b. Batteries (4 packs) \$30
 - c. Nitrate modules replacement $\$351 \times 2 = \800 (tax and shipping)
 - d. pH Meter $\$126.45 \times 2 = \380 (tax and shipping)
 - e. DO membrane $\$85 \times 3 \text{ box} = \340 (tax and shipping)
 - f. any maintenance items such as Diagnosis for the YSI DO meter (which happened twice in 2024) and other meter troubleshooting and replacement \$850
2. Frequency of fieldwork
 - a. Fish Barrier Assessment: 3-4 events with multiple sites during the dry seasons (June to Oct). We may need to revisit during the high water flow season (November to March) as needed.
 - b. HOBO logger data extraction: monthly
3. Share the equipment with TU

The Watershed Project and John Muir Trout Unlimited would each like to have their own set of assessment equipment. We work together as a partnership project to standardize the protocol and equipment, but we will assess the different areas. JMTU will cover the upper portions of Wildcat Creek and TWP will cover lower Wildcat Creek; the entire reach is 14 miles long. Having separate equipment will optimize our ability to cover the territory, as described below.

 - Administrative implications to having managing, coordinating a schedule, and logistics
 - The Watershed Project is a non-profit organization that will work with volunteers and our interns for this project. JMTU is a volunteer-based non-profit organization. Sharing equipment makes it harder to schedule volunteer events for both organizations due to all the coordination work,

including logistics (delivering schedule and delivery fee, staff work) that would be required. Therefore, we would like to minimize this challenge.

- Coverage of 14 miles of monitoring in the watershed with only one set of equipment will slow down the work; having 2 sets of equipment minimizes time spent on logistics and coordination, and maximizes flexibility, allowing both organizations to focus on quality data collection events
- Both sets of equipment could be used on the same day
 - Our assessment would be conducted during the dry season for safety concerns. However, we may need to revisit sites on a high-flow (rainy) day in order to assess how the fish barrier is impacted by water flow. In this case, both organizations may need to revisit the fish barrier on the same day, which means both organizations need equipment on the same day.

Please let me know if I need to provide more information.

Thanks very much,
Satoko

On Thu, Aug 21, 2025 at 12:53 PM Satoko Mills <satoko@thewatershedproject.org> wrote:

Hi Maureen,

Thanks very much for your email. I received it, and I will discuss it internally and externally with Trout Unlimited. I will reply with our answer by 9/8.

Satoko Mills

On Thu, Aug 21, 2025 at 12:38 PM Maureen Parkes <Maureen.Parkes@dcd.cccounty.us> wrote:

Dear Ms. Mills,

At its August 20, 2025 meeting, the Contra Costa County Fish and Wildlife Committee reviewed your grant application for “*Steelhead Trout Protection Research Project*”. The Committee will continue reviewing applications at its September 17, 2025 meeting and is requesting additional information in advance:

Itemized budget for: Replace meters (HBO loggers, parts, modules), batteries, and any maintenance items (\$3,150)

1. What is the frequency of the field work?
2. Can products be shared with Trout Unlimited?

Please provide your responses by **September 8, 2025**, so they may be included in the meeting agenda packet.

Thank you.

Maureen

Maureen Parkes
Contra Costa County Department of Conservation and Development
30 Muir Road
Martinez, CA 94553
Phone: 925-655-2909
Email: maureen.parkes@dcd.cccounty.us

justification for separate sets of equipment

Trout Unlimited (TU) and The Watershed Project (TWP) wish to conduct a fish passage assessment with TU responsible for assessing the upper watershed (above Alvarado Park) and TWP assessing the lower watershed. Each entity submitted grant applications which included the following equipment: laser level, levelling rod, densiometer and measuring tapes for total cost of \$1465.

The Contra Costa County Fish and Wildlife Committee asked if it was feasible to share this equipment. The following is our justification for requesting separate equipment for each entity.

The Watershed Project and John Muir Trout Unlimited have partnered in water monitoring on Wildcat Creek for the last two years. This has covered the entire watershed which is about 14 miles long and includes rugged upland terrain and urban areas. This required multiple sets of monitoring equipment and continual coordination. The proposed new project of passage assessment on Wildcat Creek will require a similar amount of equipment and coordination.

We will not only be documenting known barriers along the main stem, we will also be documenting tributaries and springs. We will determine if water is seasonal or perennial at each location, to help prioritize its restoration needs and value. Understanding all aspects of the creeks geomorphology will be key in assisting a challenged native trout population and ultimately providing access to anadromous fish.

Sharing the equipment would add additional burden to an already difficult scheduling situation. While these two environmental nonprofits share similar goals, their geographic distance apart and limited staff make sharing a specific piece of equipment implausible on a weekly basis. Adding equipment availability as an additional consideration in scheduling would be quite onerous for both organizations.

Having separate sets of equipment also provides greater flexibility in response to flow conditions. Fish passage can be flow dependent, and may require assessment over a range of flow conditions which in turn depends on storm events. So it may be necessary to be conducting the assessments in different areas at the same time.

Sharing equipment also adds to the financial and administrative burden of these two nonprofits, neither of which are compensated through this grant.

Steelhead and Salmon are both threatened and endangered. Moreover the latest electroshocking of upper Wildcat Creek by EBRPD fisheries staff have identified rainbow trout below Lake Anza for the first time in 6 years. These findings support our effort to restore Wildcat Creek and lend credence to the importance of this project.

From: [Paul Seger](#)
To: [Maureen Parkes](#)
Cc: [Arianne Ransom-Hodges](#); [Sarah Ranney](#)
Subject: Thank You and Looking Ahead – Marsh Creek Stewards Project
Date: Wednesday, September 3, 2025 11:15:42 AM

Hi Maureen,

I want to extend my sincere thanks to you and the Fish & Wildlife Committee for your time, responsiveness, and thoughtful review of the **Sierra Club Marsh Creek Stewards project** proposal. Your feedback and engagement were incredibly helpful, and we appreciated the opportunity to participate in the process.

While we've decided not to move forward with the grant submission at this time, the experience has helped us strengthen our partnerships and refine our focus. We remain committed to the long-term success of the Marsh Creek Stewards effort and look forward to future opportunities to work with the Committee to support the restoration, education, and stewardship of our East County waterways.

Thanks again for your professionalism and support throughout the process.

Warm regards,

Paul Seger

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Paul Seger
Chair, Sierra Club Delta Group
Director, Diablo Water District
psseger65@gmail.com | 714-504-0838



Virus-free www.norton.com

	LABOR COSTS					
Line Item	Budget Item	Rate	Hrs./Units	FWC	Match	Total
	Task 1 – Planning, Research Training					
1	Earth Team PI (Program Associate)	\$0	0	\$0	\$0	\$0
	Total Task 1			\$0	\$0	\$0
	Task 2/3 – Field Days - Data Collection/Analysis					
2	Earth Team PI (Program Associate)	\$0	0	\$0	\$0	\$0
3	14 Research assistants (stipend)	\$0	0	\$0	\$0	\$0
	Total Task 2/3			\$0	\$0	\$0
	Task 4 – Public outreach and education events					
4	Earth Team PI (Program Associate)	\$0	0	\$0	\$0	\$0
5	14 Research assistants (stipend)	\$0	0	\$0	\$0	\$0
	Total Labor Costs			\$0	\$0	\$0
	DIRECT COSTS					
	Project Supplies, Educational Materials & Services					
6	Water quality equipment and supplies (See Exhibit A)	-	-	\$5,300	\$ -	\$5,300
7	Signage, public outreach flyers, posters	\$0	0	\$0	\$ -	\$0
	Total supplies			\$5,300	\$0	\$5,300
	Travel					
8	Transportation to/from research site (14 interns)	\$0	0	\$0	\$0	\$0
9	PI Mileage to / from research location	\$0.00	0	\$0	\$0	\$0
	Total travel			\$0	\$0	\$0
	Contractors & Subcontractors					
10	Data contractor (webpage, video, data mapping)	\$0	8	\$0	\$ -	\$0
	TOTAL PROJECT COST			\$5,300	\$0	\$5,300

Exhibit A : Spending Plan

Category	Manufacturer	Model	SKU/Part	#	Qty	Unit Price (USD)	Line Total (USD)	Preferred Vendor	Notes
Multiparameter Sensor	Hanna	HI98194 Portable Multiparameter Meter (pH/C	HI98194		1	\$1,880.00	\$1,880.00	Hanna / Fisher Scientific	Staff-led reference unit; logs, Measures pH, EC, DO, Temp
Turbidity	LaMotte	2020we Turbidity Meter (0–4000 NTU), waterp	2020we		1	\$1,095.00	\$1,095.00	LaMotte / Fisher Scientific	Rugged turbidity sensor
Student Sensor	Vernier	Go Direct Optical Dissolved Oxygen (GDX-ODO	GDX-ODO		2	\$399.00	\$798.00	Vernier	Two team units
Student Sensor	Vernier	Go Direct Conductivity (GDX-CON)	GDX-CON		3	\$149.00	\$447.00	Vernier	Two team units + 1 floater to speed field measurements
Student Sensor	Vernier	Go Direct pH (GDX-PH)	GDX-PH		3	\$119.00	\$357.00	Vernier	Two team units + 1 floater to speed field measurements
Calibration & Maintenance	Hanna	pH Buffer 4.01, 500 mL	HI7004L		1	\$45.00	\$45.00	Hanna / Fisher Scientific	Intern pH calibration
Calibration & Maintenance	Hanna	pH Buffer 7.00, 500 mL	HI7007L		1	\$45.00	\$45.00	Hanna / Fisher Scientific	Intern pH calibration
Calibration & Maintenance	Hanna	pH Buffer 10.01, 500 mL	HI7010L		1	\$45.00	\$45.00	Hanna / Fisher Scientific	Intern pH calibration
Calibration & Maintenance	Hanna	Conductivity Standard 1413 µS/cm, 500 mL	HI70300L-1413		1	\$35.00	\$35.00	Hanna / Fisher Scientific	Mid-range EC calibration
Calibration & Maintenance	Hanna	Conductivity Standard 12.88 mS/cm, 500 mL	HI7039L		1	\$35.00	\$35.00	Hanna / Fisher Scientific	High-range EC verification
Calibration & Maintenance	YSI	DO Zero-Oxygen Solution (Sodium Sulfite), 500	006095		1	\$25.00	\$25.00	YSI / Fisher Scientific	Zero calibration for DO (anchor checks)
Calibration & Maintenance	LaMotte	AMCO-AEPA-1 Turbidity Standards Set (0, 20, 1	R-2020-AMP		1	\$60.00	\$60.00	LaMotte / Fisher Scientific	Verify turbidity meter accuracy
Calibration & Maintenance	Hanna	pH Electrode Storage Solution, 500 mL	HI70300L		1	\$18.00	\$18.00	Hanna / Fisher Scientific	Keep pH sensors hydrated
Calibration & Maintenance	Hanna	pH Electrode Cleaning Solution, 500 mL	HI7061L		1	\$22.00	\$22.00	Hanna / Fisher Scientific	General-purpose cleaning
Reference	Traceable	NIST-Traceable Digital Thermometer (±0.05°C)	Control Co. 4000		1	\$129.00	\$129.00	Fisher Scientific	Verify temp inputs for pH/EC compensation
Field Case	Pelican	Pelican 1500 Case with foam (for anchor + tur	1500		1	\$210.00	\$210.00	Pelican	Transport & storage
Accessories	Various	Wash bottles (500 mL), pack of 3	WB500-3		1	\$24.00	\$24.00	Fisher Scientific	DI rinse between measurements
Accessories	Various	Sample cups (polypropylene), pack of 100	SCUP-100		1	\$18.00	\$18.00	Fisher Scientific	Sampling cups
Accessories	Various	Nitrile gloves (box of 100), size M	NG-M-100		1	\$12.00	\$12.00	Fisher Scientific	Hygiene and safety
TOTAL							\$5,300.00		



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Office

1301 S 46th Street, B155
Richmond, CA 94804

Tel. 844-704-4030
Fax. 844-704-4030

info@earthteam.net

www.earthteam.net

2025-09-08

TO: CCC Fish & Wildlife Propagation Fund

STATEMENT REGARDING BORROWING MATERIALS/SUPPLIES

All items in the proposed Spending Plan are necessary for Earth Team to perform restoration activities in Contra Costa County and we cannot borrow them reliably. Several teams of students from Contra Costa County schools (Antioch, Pittsburg, Pinole and Richmond) will be working simultaneously during the year on weekend field activities at different project sites, so three items in lines 3, 4 and 5 include a quantity of two. This is important for us to deploy a maximum amount of students led by an Earth team staff and maximize available academic year opportunities to conduct field events. In the past we have operated with one Vermier sensor borrowed from American Rivers, and this was not only expensive (Earth Team had to pay insurance) but also limited our capacity.

Thank you.

Manuel Alonso, Executive Director
Earth Team

Earth Team is an exempt organization as described in Section 501(c)(3) of the Internal Revenue Code; EIN 68-0347329