



**CONTRA COSTA COUNTY
FISH AND WILDLIFE COMMITTEE**
c/o Department of Conservation and Development
30 Muir Road
Martinez, CA 94553
Telephone: 925-674-7203 Fax: 925-674-7250

TO: Internal Operations Committee
 Supervisor Diane Burgis, Chair
 Supervisor Candace Andersen, Vice Chair

FROM: From: Daniel Pellegrini, Chair
 Fish and Wildlife Committee
 By: Maureen Parkes, Planning Technician III
 Staff to Fish and Wildlife Committee *Maureen Parkes*

DATE: May 22, 2018

SUBJECT: **Out-of-Cycle Grant Funding Recommendation from the Contra Costa
County Fish and Wildlife Committee**

The Contra Costa County Fish and Wildlife Committee (FWC) requests that the Internal Operations Committee (IO) consider an out-of-cycle Fish and Wildlife Propagation Fund (Fund) grant request from Lindsay Wildlife Experience (LWE). LWE has identified an acute and urgent need for physiologic monitoring equipment which will be used in their triage wildlife hospital. The FWC is requesting that the IO Committee consider the funding recommendation and make their own recommendation for consideration by the full Board of Supervisors (Board). This memo provides background on the grant program, explains the review process performed by the FWC and documents the FWC's reasons for recommending grant funding for the equipment.

I. Background

Fish and Wildlife Propagation Fund

The Fish and Wildlife Propagation Fund was established in accordance with the California Fish and Game Code (Code) 13100 as a repository for fines collected for certain violations of the Code and other regulations related to fish and game. The most common fines are small (\$25-\$150) and are processed through the four Superior Courts in Contra Costa County. The fines typically stem from hunting or fishing violations (e.g. not possessing a valid license), illegal take and illegal dumping. Occasionally there are larger fines that result from larger violations, including failure to obtain appropriate permits for activities such as streambed alteration. A portion of the various fines are deposited into the Fish and Wildlife Propagation Fund. As of May 11, 2018, the Fund had an available balance of \$141,883.91.

Summary of Request

Lindsay Wildlife Experience submitted an out-of-cycle grant request for a Fish and Wildlife Propagation Fund grant to assist with the purchase of physiologic monitoring equipment to be used in their triage wildlife hospital. Contemporary physiologic monitors track multiple vital indicators that preemptively and concurrently signal a patient's decline, rather than having to wait for "big signs" (e.g. heart and respiratory rates) to present. Due to the onset of the intensely busy six-month long 'baby season' (April 1st through August 31st), and acute and immediate need for a veterinary monitor, LWE purchased the equipment prior to the approval of the grant application, and requests that the purchase be reimbursed with Fish and Wildlife Propagation fund grant funds.

LWE's ability to monitor wildlife patient heart and respiratory rate had been precarious. Their grant application, which is attached, details the reasons for the urgent need to purchase the physiologic monitoring equipment.

II. Reason for Recommendation/Background

Since 1996, the Fish and Wildlife Committee (FWC) has implemented a structured process for reviewing funding requests. The intent of this structured review process was to replace case-by-case decision-making with a grant process that enables comparative and efficient review of applications.

Occasionally the Committee receives requests for funds outside of the regular grant cycle. These proposals must meet all the regular requirements of applications as well as justify why the funding request should be considered outside the regular cycle.

On May 21, 1997, the FWC approved the following criteria for reviewing grant requests outside the normal grant review cycle:

The majority of projects will be reviewed simultaneously once per year. Projects can be reviewed individually, outside the annual review cycle if:

- the project is a FWC-initiated project;
- delaying review of the project until the annual review cycle would cause substantial harm to the fish and wildlife resources of the County;
- the project cannot be performed at all unless funding is received from the Fish and Wildlife Propagation Fund sooner than would be possible under the annual review cycle; or
- the project has substantial matching funds which will expire unless funding is received from the Fish and Wildlife Propagation Fund sooner than would be possible under the annual review cycle.

The Fish and Wildlife Committee discussed the LWE grant application at their April 18, 2018 meeting and determined that the request was urgent because LWE has the only wildlife hospital in the area and the equipment was needed to save the lives of their patients. The FWC unanimously approved the following recommendation:

- 1) Appropriate \$7,811.49 to Lindsay Wildlife Experience for critically needed physiologic monitoring equipment, with the understanding that LWE will purchase the equipment immediately due to the urgent need, and will only be reimbursed with Fish and Wildlife Propagation Funds if the grant application is approved by the Board of Supervisors. [6 ayes/0 noes]
- 2) Further, the FWC also recommended that within a year of grant funding approval, or within one month of project completion, whichever comes sooner, recipient must submit a final project report which includes invoices and receipts documenting how funds were spent and the results of the project. Details will be outlined in the grant award packet if funding is approved. [6 ayes/0 noes]

Members in attendance and voting on the grant request were: Judy Bendix (District I), Clark Dawson (District III), Kathleen Jennings (At-large), Susan Heckly (District II), Daniel Pellegrini (District V), and Heather Rosmarin (At-large).

Please contact Maureen Parkes at 925-674-7831 or Abigail Fateman at 925-674-7820 with any questions.

Attachments:

- Grant Application
- Grant Application Packet for Fish and Wildlife Propagation Funds

**Contra Costa County
2018 Fish and Wildlife Propagation Fund
Application Cover Page**

Office Use Only:

Project title: Physiologic Monitoring Equipment Needs in a Triage Wildlife Hospital

Organization/Individual applying: Lindsay Wildlife Museum (dba Lindsay Wildlife Experience)

(Organization type: please check one -- government, non-profit, for-profit, other (explain))

Address: 1931 First Avenue, Walnut Creek, CA 94597

Telephone: (925) 627-2919

Fax: (925) 935-8015

E-mail: cmccormick@lindsaywildlife.org

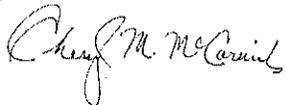
Name and title of contact person: Cheryl M. McCormick, Ph.D.

One sentence summary of proposal: LWE requests an off-cycle grant to purchase critically-needed physiologic monitoring equipment

Requested grant: **\$7,811.49**

Proposal prepared by (name & title): Cheryl M. McCormick, Ph.D., Executive Director

Signature (*Typing your name does not count as a signature. If this section is empty, your proposal will not be considered*):



Signed on March 12, 2018

Clear Form

Project Description

Avian and mammalian wildlife patients can be acutely challenging to treat and monitor anesthetically, relative to domestic felines and canines. LWE specializes in treating passerines, raptors, and small mammals, many of which are considered high-risk patients by virtue of their rapid and unpredictable physiologic responses to stress. Additionally, many are too small to be fitted with a standard blood pressure cuff and/or have highly specialized anatomical features that make intubation difficult, if not impossible in some species of wildlife. Consequently, many standard monitoring devices fail their intended use when applied in wildlife veterinary medicine. When they are employed, all other variables must be easily controlled and highly predictable.

LWE's need for a veterinary monitor is *acute* and *immediate*, given current circumstances and the onset of the intensely busy six-month long 'baby season' (April 1st through August 31st), during which approximately 75% of our annual patient caseload is received. Our ability to monitor wildlife patient heart- and respiratory rate is currently precarious. LWE's capnograph is significantly outdated - it is no longer serviceable and its battery has expired. The manufacturer has issued a recall for the unit's battery and, consequently, we are unable to use the unit.

Our 'back up' monitoring equipment is a pulse-oximeter. The unit cannot maintain its charge and fails to function consistently, even in less sensitive patients, such as medium-sized mammals (raccoons, bobcats, etc). In addition, LWE has a Doppler, which began short-circuiting 18 months ago and was re-wired by a volunteer who had experience in electrical systems. This machine only registers heart rate, and is the only electronic piece of equipment on which veterinary staff can rely. Our current reality is that clinical caregivers in LWE's hospital are almost exclusively relying upon manual esophageal stethoscopes, from which one can derive heart rate and, occasionally, respiratory rate. Caveats to successful use of stethoscopes include: 1) monitoring respiratory rates is difficult in taxa/species with naturally elevated respiration rates (e.g., birds, small mammals); 2) use in reptiles is virtually impossible; 3) respiration rate is difficult to monitor manually because it is slow and unpredictable during anesthesia; 4) earpieces must be in at all times, confounding a veterinarian's ability to multi-task and effectively communicate in a triage environment.

With patient caseload likely to increase and peak in June-July, we are facing an urgent situation. Our current equipment cannot register respiratory rate, and heart rate may continue even following respiratory arrest. Our clinical staff currently relies heavily on visual assessment of respiratory rate, significantly increasing the potential for human error. Additionally, manual methodologies for monitoring for heart- and respiratory rates severely limits veterinarians' awareness of the multitude of continually dynamic variables involved in an anesthetized patient's condition. Consequently she must heavily rely upon technicians, increasing human error. Contemporary physiologic monitors track multiple vital indicators that *preemptively* and *concurrently* signal a patient's decline, rather than having to wait for "big signs" (e.g., heart- and respiratory rates) to present. At that point, it's usually too late to recover the patient.

LWE's current lack of refined physiological monitoring abilities recently resulted in the loss of a Western Screech Owl (patient D-5170). In this patient, the "big signs" (heart- and respiratory rate) precipitously declined faster than the veterinarian's ability to respond. A preemptive indicator would have been blood pressure dropping prior to a decrease in heart rate. This unfortunate case was particularly frustrating for LWE's veterinarian, who had nearly completed the surgical procedure, when patient loss is more likely to occur and also following a significant investment of time, effort, and resources.

Project Schedule

Given the urgency of the need, LWE will immediately purchase the requested equipment prior to approval of its grant application, with the understanding that there can be no guarantee that the

application will be approved. If approved, LWE will submit receipts to the CCCFWC for reimbursement. A final report will be submitted at the termination of the 2018 busy season (September), detailing the impact of the equipment.

Project Budget

A budget for the units and installation is as follows:

Qty	Model	Description of Item	Order Price
1	LW9xVESNITD	LifeWindow 9 Physiologic Monitor, with 3 LEAD ECG + Masimo SET technology, SPO ₂ + Suntech VETBP NIBP + 1 temperature + touch screen + networking + dual capnography side stream and main stream	\$9,945.00
		<i>Shipping and handling</i>	\$85.00
		SUBTOTAL	\$10,030.00
		<i>Sales Tax (8.25%)</i>	\$817.49
		TOTAL	\$10,847.49
		Contribution from Alliance (LWE auxiliary)	\$2,500
		Individual contributions	\$500
Total Funding Request to CCC-FWC			\$7,847.49

Annual Budget of Organization: \$2.5M

Organizational Background

LWE has been caring for sick, injured and orphaned California native wildlife since its inception in 1955 and as a formal wildlife rehabilitation hospital since 1972. Recognized as the first of its kind in the country, Lindsay's hospital currently accepts approximately 5,500 (+/- 10%) wild mammals, birds, reptiles, and amphibians annually. In 2016, 5,444 animals were treated (25 amphibians; 3,581 birds; 1,747 mammals; 91 reptiles), of which 2,201 (40.4%) were released back into habitats across Contra Costa County, contributing to genetic diversity, gene flow, and healthy population structure and function of native species. Lindsay does not charge a fee to the Good Samaritans who rescue sick, injured, or orphaned animals.

More than 320 volunteers support the hospital, working on-site or providing palliative home care for injured, abandoned, and/or sick wildlife. The hospital is managed by a full-time, state-licensed veterinarian, rehabilitation manager, wildlife rehabilitation technicians and interns. The hospital's activities are regulated under the U.S. Fish and Wildlife and the California Department of Fish and Wildlife. LWE's reputation for its staff's expertise in treating and surgically repairing delicate flight mechanisms of raptor species has elevated its status among peer organizations. What we learn from caring for and rehabilitating wildlife in the hospital informs LWE's exhibits and educational programs. Focal areas of LWE's Rehabilitation Hospital comprise the following:

Conservation: We provide veterinary care for sick, injured and abandoned native wildlife from California and surrounding states. The ultimate goal of our conservation medicine efforts are to rehabilitate and release animals back to the wild so they can contribute to the genetic diversity of wild populations.

Education: We provide veterinary students, interns, and externs with educational opportunities and mentoring in the field of wildlife medicine. Skills learned while working with wildlife species are directly

applicable to captive exotic species and are part of the training to become skilled veterinarians. Additionally, our skilled veterinarians teach college-level workshops and give educational presentations aimed at the general public. These presentations carry the message of wildlife conservation and provide an avenue for children and adults to become aware of issues affecting native wildlife species.

Research: We collaborate with researchers to support species- and/or population-level studies with a focus on wildlife preservation and conservation.

This proposed project meets the requirements of Section 13103(b) of the *California Fish and Game Code* (i.e., Temporary emergency treatment and care of injured and orphaned wildlife).

FY18-19 Board of Officers and Directors

Statutory (Voting) Members - Officers

Rosanne Siino , Ph.D., President Adjunct faculty, Stanford Business School	Marilyn Fowler , <i>Vice President</i> Probation Supervisor, CCC Probation Dept (retired)
David Shunick , <i>Treasurer</i> VP, Operations Natural Alternatives Intl (retired)	Julie Ross , <i>Secretary</i> Freelance Writer (retired)

Statutory (Voting) Members - Directors

Lou Eber General Counsel UBS Financial Services (retired)	Laura Johnson Manager Construction & Equipment, EBMUD
Marc Kaplan Commercial developer and writer (retired)	Matthew Lawson Partner, Price Waterhouse Cooper
Elizabeth McWhorter , Ph.D. University of California Office of the President	Ryan Misasi Executive Vice President F&M Bank
James Pezzaglia Attorney, trusts and real property law (retired)	Jeremy Seymour Deputy District Attorney Contra Costa County
Heather Stead Homemaker	Gabe Togneri , <i>President</i> VP, Investor Relations, PG&E (retired)

List of Individuals Responsible for Overseeing the Project

Cheryl M. McCormick, Ph.D. Executive Director cmccormick@lindsaywildlife.org 925-627-2919 (office) 831-238-8305 (mobile)	Amber S. Engle Wildlife Rehabilitation Manager aengle@lindsaywildlife.org 925-627-2942 (office) 510-529-8489 (mobile)	Allison Daugherty, DVM Staff Veterinarian adaugherty@lindsaywildlife.org 925-627-2953 (office) 314-249-7334 (mobile)
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**Department of
Conservation and
Development**

30 Muir Road
Martinez, CA 94553

Phone: 1-855-323-2626

**Contra
Costa
County**



John Kopchik
Director

Aruna Bhat
Deputy Director

Jason Crapo
Deputy Director

Maureen Toms
Deputy Director

Kara Douglas
Assistant Deputy Director

August 30, 2017

Dear Fish and Wildlife Propagation Fund Grant Applicants:

The Contra Costa County Fish and Wildlife Committee is pleased to announce that completed funding applications are now being accepted for consideration for the Contra Costa County Fish and Wildlife Propagation Fund (Fund). All application materials and guidelines are attached. Proposals must be received by 5:00 p.m. on Monday, January 8, 2018 (a postmark of January 8, 2018, does not satisfy the submission deadline). Proposals may be emailed or mailed. Any applications that are received after the due date or without a signature will not be considered. The recommendations of the Fish and Wildlife Committee will be forwarded to the Contra Costa County Board of Supervisors, which maintains final decision-making authority for expenditures from the Fund.

The Contra Costa County Fish and Wildlife Propagation Fund is entirely supported by fine revenues resulting from violations of the Fish and Game Code and Title 14 of the California Code of Regulations in Contra Costa County (County). Projects awarded from the Fund must benefit the fish and wildlife resources of the County and must meet the requirements of Section 13103 of the Fish and Game Code (attached). If your project is eligible under Section 13103 (d), (h), (i), or (m) please send a copy of your draft proposal to Maureen Parkes at maureen.parkes@dcd.cccounty.us by November 1, 2017. Staff will coordinate with the California Department of Fish and Wildlife to confirm the project's eligibility to receive funds. See Instructions for more details. All applications that satisfy the requirements listed in the funding application instructions will be considered.

The Fish and Wildlife Committee strongly encourages applications related to:

- improving habitat
- scientific research
- public education
- threatened and endangered species
- resolving human/wildlife interaction issues

In addition to the above areas of interest, the Fish and Wildlife Committee wishes to fund one or more projects that increase collaboration with law enforcement agencies, the court, and community cultural organizations on enforcement issues and education focusing on communities that may be unaware of local fish and game laws. Projects that provide multilingual signage and educational materials are encouraged.

The Fish and Wildlife Committee awards grants to non-profit organizations, schools and government agencies. The Committee generally does not recommend funding for operating costs and overhead, such as staff salaries, benefits or utilities. If an hourly rate is listed, costs need to be itemized separately (see grant guidelines for more details). The Committee generally gives preference to funding material expenses (e.g. purchase of equipment and materials).

The Committee expects to recommend awards to several applicants. However, it is possible that a particularly excellent proposal will be recommended to receive a large portion of the total available funds. During the 2017 grant cycle a total of \$102,184.92 was awarded to 16 projects. The awards ranged from \$800 to \$21,019.53. Successful applicants may anticipate receiving notification of funding awards by the late spring or early summer of 2018.

The grant award funds will be disbursed on a cost reimbursement basis.* (See below for exceptions.) Within a year of grant funding approval, or within one month of project completion, whichever comes sooner, recipients must submit a final project report which includes invoices and receipts documenting how funds were spent and the results of the project. Fish and Wildlife Propagation fund grants will be disbursed after receipt and approval of the final project report. Details will be outlined in the grant packet to all successful applicants.

***Exception For Non-Profit Organizations That Can Demonstrate Financial Hardship:** Private, non-profit entities that can demonstrate that providing Fish and Wildlife Propagation grant funding on a cost reimbursement basis will create a financial hardship and be detrimental to the operation of the program will be eligible to receive up to ½ of the grant amount after the grant is awarded. The remaining amount of the grant will be disbursed after the entity has submitted information including invoices and receipts documenting how the initial disbursement was spent. Within a year of initial notification of the grant funding award (i.e. spring or summer of 2019), or within one month of project completion, whichever comes sooner, the entity will be required to submit information including invoices and receipts documenting how the second disbursement was spent, and provide a final project report documenting the results of the project.

***Exception For Small Projects Under \$1,000:** Grant funding may be disbursed to private, non-profit entities prior to the beginning of the project if the award is under \$1,000 and the entity has provided documentation that the project could only be initiated with advance funding. Within a year of grant funding, or within one month of project completion, whichever comes sooner, recipients must submit a final project report which includes invoices and receipts documenting how funds were spent and the results of the project.

The Committee appreciates your interest in this opportunity to improve the fish and wildlife resources in Contra Costa County. Should you have any questions about the Fish and Wildlife Committee or this funding program, please contact me at 925-674-7831 or maureen.parkes@dcd.cccounty.us.

Sincerely,



Maureen Parkes

Fish and Wildlife Committee Staff

INSTRUCTIONS

What Must Be Included in Your Proposal (not to exceed 4 pages):

- 1) Signed Application Cover Page (see attached)
- 2) Description of the project for which funding is requested. Please include an explanation of:
 - how this project will benefit the fish and wildlife of Contra Costa County
 - how this project meets the requirements of Section 13103 of the Fish & Game Code (attached) which defines the eligibility requirements for projects requesting funding from the Fish and Wildlife Propagation Fund. Indicate which letter(s) of the Section 13103 is/are satisfied.

NEW REQUIREMENT: If your proposal is eligible under Section 13103 (d), (h), (i)*, or (m), a copy of your draft proposal must be sent to the attention of Maureen Parkes at maureen.parkes@dcd.cccounty.us or at the address listed on Page 2 and received by November 1, 2017. Staff will coordinate with the California Department of Fish and Wildlife to confirm the project's eligibility to receive funds.

*If your project is eligible under Section 13103 (i), and a scientific collection permit is required and issued by the California Department of Fish and Wildlife, this will indicate that the project is eligible to receive Fish and Wildlife Propagation funds. Please send the scientific collection permit along with your grant application by the January 8, 2018 - 5:00 P.M. grant submission deadline. Scientific collection permits are not included in the grant application page limit.

*The Fish and Wildlife Committee wishes to be acknowledged for its financial support of the project. FWC or staff review may be required prior to printing any written materials that receive funding. Please refer to the guidelines listed below:

 - Grant recipients agree to obtain advance written approval from the FWC of any communication/written material that may reasonably be understood to represent the views of the FWC and to provide the FWC with reasonable opportunity to review, comment and approve the communication/written material in advance. Grant recipients may use the following standard language in making attributions for funding by the FWC:
 - Attribution for full Grant funding: "This (research, publication, project, Web site, report, etc.) was funded by the Contra Costa County Fish and Wildlife Committee."
 - Attribution for partial Grant funding: "This (research, publication, project, Web site, report, etc.) is funded in part by the Contra Costa County Fish and Wildlife Committee."
- 3) **Project schedule - The project must be completed within a year from the date you receive notification of funding (by Spring/Summer 2019).**
- 4) Project budget (itemized). The Fish and Wildlife Committee generally does not recommend funding for operating costs and overhead. Examples for these include staff salaries, health insurance, and operation costs such as electricity to run an office. If an hourly rate is listed, overhead costs need to be itemized separately. The Committee generally gives preferences to funding material expenses (e.g. purchase of equipment and materials).
- 5) Annual budget for the applying organization (not itemized).
- 6) Statement describing the applying organization, listing the Board of Directors and officers of the organization, and listing all affiliated organizations.
- 7) Statement describing the qualifications of the sponsoring organization and participating individuals for completing the project.
- 8) List of individuals responsible for performing project and of individuals responsible for overseeing project.
- 9) Statement describing the status of permit approvals necessary to perform project (if applicable).
- 10) Request for an exception to the grant funding cost reimbursement requirement due to financial hardship or an exception for a small project under \$1,000. (This request does not count toward your page limit and is only required if requesting an exception.)

Format:

- Your proposal packet, including cover sheet and any attachments must not exceed four single-sided pages or two double-sided pages, 8.5 by 11 inches in size. Please use 11 point font or larger and ½ inch margins or larger on your pages. *If you submit more than 3 pages plus required cover sheet, your proposal may be disqualified without review.*
- **NEW REQUIREMENT:** If your project is eligible under Section 13103 (d), (h), (i), or (m) a copy of your draft proposal must be sent to the attention of Maureen Parkes at maureen.parkes@dcd.cccounty.us and received by November 1, 2017. (See exception for Section 13103 (i) above.) Do not attach an additional cover letter, brochures, posters, publications, CDs, DVDs, large maps or yellow-sticky paper (e.g. Post-It™).
- Your complete application packet including signature must **arrive by 5:00 p.m. on Monday, January 8, 2018 (Pacific Standard Time)** to be considered for funding. (Please note: A postmark of January 8, 2018 does not satisfy the submission deadline. If submitted after the deadline, your proposal will be disqualified).

Your complete application should be:

Emailed: maureen.parkes@dcd.cccounty.us

or

Mailed: Contra County Fish & Wildlife Committee
c/o Contra Costa County Dept. of Conservation and Development
30 Muir Road
Martinez, CA 94553-4601
Attn: Maureen Parkes

If you wish to hand deliver, contact Maureen by email or at 925-674-7831.

Final Checklist Before You Submit Your Proposal:

Please note that your proposal will not be considered if you provide more materials than required below:

- Signed Cover page (your proposal will be disqualified if it does not have your original signature on the cover page).
- 3 pages or less on your project description (any extra attachments such as a map and an organization budget will be counted as one of the three page limit.)
- If your project qualifies under Section 13013 (i) and you have been issued a scientific collection permit from the California Department of Fish and Wildlife please include it. (This is not a part of the page limit listed above.)
- Request for an exception to the grant funding cost reimbursement requirement due to financial hardship or an exception for a small project under \$1,000. (This is not a part of the page limit listed above and is only required if requesting an exception).

If you have questions regarding the Contra Costa County Fish and Wildlife Propagation Fund grant process, please contact Maureen Parkes: maureen.parkes@dcd.cccounty.us / (925) 674-7831.

California Fish and Game Code Section 13103.

Expenditures from the fish and wildlife propagation fund of any county may be made only for the following purposes:

- (a) Public education relating to the scientific principles of fish and wildlife conservation, consisting of supervised formal instruction carried out pursuant to a planned curriculum and aids to education such as literature, audio and video recordings, training models, and nature study facilities.
- (b) Temporary emergency treatment and care of injured or orphaned wildlife.
- (c) Temporary treatment and care of wildlife confiscated by the department as evidence.
- (d) Breeding, raising, purchasing, or releasing fish or wildlife which are to be released upon approval of the department pursuant to Sections 6400 and 6401 onto land or into waters of local, state, or federal agencies or onto land or into waters open to the public.
- (e) Improvement of fish and wildlife habitat, including, but not limited to, construction of fish screens, weirs, and ladders; drainage or other watershed improvements; gravel and rock removal or placement; construction of irrigation and water distribution systems; earthwork and grading; fencing; planting trees and other vegetation management; and removal of barriers to the migration of fish and wildlife.
- (f) Construction, maintenance, and operation of public hatchery facilities.
- (g) Purchase and maintain materials, supplies, or equipment for either the department's ownership and use or the department's use in the normal performance of the department's responsibilities.
- (h) Predator control actions for the benefit of fish or wildlife following certification in writing by the department that the proposed actions will significantly benefit a particular wildlife species.
- (i) Scientific fish and wildlife research conducted by institutions of higher learning, qualified researchers, or governmental agencies, if approved by the department. *
- (j) Reasonable administrative costs, excluding the costs of audits required by Section 13104, for secretarial service, travel, and postage by the county fish and wildlife commission when authorized by the county board of supervisors. For purposes of this subdivision, "reasonable cost" means an amount which does not exceed 3 percent of the average amount received by the fund during the previous three-year period, or three thousand dollars (\$3,000) annually, whichever is greater, excluding any funds carried over from a previous fiscal year.
- (k) Contributions to a secret witness program for the purpose of facilitating enforcement of this code and regulations adopted pursuant to this code.
- (l) Costs incurred by the district attorney or city attorney in investigating and prosecuting civil and criminal actions for violations of this code, as approved by the department.
- (m) Other expenditures, approved by the department, for the purpose of protecting, conserving, propagating, and preserving fish and wildlife.

* A scientific collection permit, if required and issued by the California Department of Fish and Wildlife, indicates that the project is eligible to receive Fish and Wildlife Propagation funds.

California Fish and Game Code Section 711.2. (a)

"For purposes of this code, unless the context otherwise requires, "wildlife" means and includes all wild animals, birds, plants, fish, amphibians, reptiles, and related ecological communities, including the habitat upon which the wildlife depends for its continued viability ..."

**Contra Costa County
2018 Fish and Wildlife Propagation Fund
Application Cover Page**

Office Use Only:

Project title:

Organization/Individual applying:

(Organization type: please check one – government, non-profit, for-profit, other (explain))

Address:

Telephone:

Fax:

E-mail:

Name and title of contact person:

One sentence summary of proposal:

Requested grant:

Proposal prepared by (name & title):

Signature (*Typing your name does not count as a signature. If this section is empty, your proposal will not be considered*):

Signed on _____