

Proposal Full View

Print

APPLICANT INFORMATION

Organization Name*	California Urban Streams Partnership			
Tax ID	942889684			
Point Of Contact *	Division/Address List:	Earth Island Institute		
	Address1:	2150 Allston Way, Suite 460	Address2:	
	City:	Berkeley, CA	State:	CA
	Zip:	94704		
	First Name:	Phil	Last Name:	Harrington
	Email:	pharrington@ci.berkeley.ca.us	Phone (Direct):	5109816464
Point Of Contact Position Title*	Deputy Director of Public Works			
Proposal Name*	Daylighting Codornices Creek at Kains for Safety and Steelhead			
Proposal Objective*	Daylighting Codornices Creek at Kains Street will restore a critical stretch of Codornices Creek, which has been the focus of extensive watershed restoration effort over the past 20 years, to benefit steelhead, reduce flood risks and stabilize creek banks by removing concrete and using soil bioengineering. The project also provides an amenity to a low-income community and will offer habitat for songbirds and other wildlife, in addition to restoring conditions in the creek for the federally threatened steelhead (<i>Oncorhynchus mykiss</i>).			

BUDGET

Other Contribution	0
Local Contribution	116000
Federal Contribution	0
Inkind Contribution	56500
Amount Requested*	441231
Total Project Cost*	613731

GEOGRAPHIC INFORMATION

Latitude *	DD (+/-): 37	MM: 7	SS: 59
Longitude*	DD (+/-): -122	MM: 29	SS: 5
Longitude/Latitude Clarification	Location		
County*	Alameda		
Ground Water Basin	Santa Clara Valley-East Bay Plain		
Hydrologic Region	San Francisco Bay		
Watershed	Codornices Creek		

LEGISLATIVE INFORMATION

Assembly District*	15th Assembly District
Senate District*	9th Senate District
US Congressional District*	District 13 (CA)

Project Information**PROJECT NAME: DAYLIGHTING CODORNICES CREEK AT KAINS FOR SAFETY AND STEELHEAD****DAYLIGHTING CODORNICES CREEK AT KAINS FOR SAFETY AND STEELHEAD**

Implementing Organization	California Urban Streams Partnership
Secondary Implementing Organization	City of Berkeley
Proposed Start Date	12/1/2015
Proposed End Date	12/3/2018
Scope Of Work	Remove concrete debris and culvert, regrade creek channel and floodplain, add riparian and fish habitat.
Project Description	The City of Berkeley and The California Urban Streams Partnership (? CUSP?), a Project of Earth Island Institute, seek a grant of \$441,231 to daylight and restore one of the remaining most degraded stretches of Codornices Creek, which forms the border between the cities of Albany

	<p>and Berkeley, California. Daylighting Codornices at Kains will restore a critical stretch of this important stream, which has been the focus of extensive watershed restoration efforts over the past 20 years, using the principles of fluvial geomorphic design, to reduce flood risks, and stabilize dangerous, eroding creek banks by removing falling concrete and soil bioengineering the banks, and to benefit steelhead (Oncorhynchus mykiss), a federally threatened species that migrates upstream to spawn in this watershed. Soil bioengineering techniques will include brush layering, brush matting, willow and dogwood posts and stakes, and the use of coir fabric. The project also provides an amenity to a low-income community interested in stewarding the site, and is the culmination of many years of their efforts to improve the community. The project will offer habitat for songbirds and other wildlife, in addition to restoring conditions in the creek for the federally threatened steelhead (Oncorhynchus mykiss). The project site is located just one-half mile below a fish passage project that was implemented in 2006 at St. Mary's High School (funded by the State Water Resources Control Board). This project, combined with that project, would open up more than three miles of channel for steelhead passage.</p>
<p>Project Objective</p>	<p>The primary project objectives are to reduce flood damages in a neighborhood and to remove a public safety hazard associated with the creek. The second objective is to transform a hazardous vacant lot that is fenced off from the neighborhood into a community amenity. The third object is to restore a riparian ecosystem and complement the fish habitat restoration occurring down- and up-stream. Our fourth objective is to build community involvement with the creek.</p>

PROJECT BENEFITS INFORMATION

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Flood Protection	0	reduce current flooding conditions
Primary	Land Restoration	0	restore riparian and floodplain habitat
Primary	Ecosystem: Riparian Habitat	0	improving instream habitat by providing shade; offer riparian

				habitat for wildlife
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BUDGET

Other Contribution	0
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GEOGRAPHIC INFORMATION

Latitude *	DD (+/-): 37	MM: 7	SS: 59
Longitude*	DD (+/-): -122	MM: 29	SS: 5
Longitude/Latitude Clarification	latitude is 37.883754; longitude is -122.295838	Location	
County*	Alameda		
Ground Water Basin	Santa Clara Valley-East Bay Plain		
Hydrologic Region	San Francisco Bay		
Watershed	Codornices Creek		

LEGISLATIVE INFORMATION

Assembly District*	15th Assembly District
Senate District*	9th Senate District
US Congressional District*	District 13 (CA)

Section : Project Requirements

APPLICATION QUESTIONS: PROJECT REQUIREMENTS TAB

Question 1

Proposal Summary: In one or two paragraphs describe the project in these terms: What is the problem, when did it occur, who is being adversely affected, where is it in relation to the affected community, why is it important to be addressed at this time, and how will the project address the problem?

The City of Berkeley and the California Urban Streams Partnership will restore 230 linear feet of concrete-lined, channelized Codornices Creek and its floodplain to address a dangerous flooding situation in which damages occur in a 1 in 10 storm event and to remove failing bank and buckling concrete hazards located immediately adjacent to a new low-income housing development. The creek was likely channelized in the 1960s, and its concrete banks have been failing and collapsing for many years, impeding fish passage and providing no riparian habitat. The bank failure has become progressively worse over the years. This project will provide flood damage reduction benefits, stop further bank failure and excessive erosion from a retaining wall that is leaning into the creek; restore in-stream habitat, and vegetate the naturalized creek banks with native riparian plantings, continuing the wildlife corridor that has been restored up and downstream. It will open up three miles of stream channel for steelhead passage. It is critical to address both the problem of failing creek banks and lack of habitat values now to reduce flood damages and prevent catastrophic bank failure/emergency repairs; to help sustain the steelhead population in the creek and help it be more resilient to climate change impacts; and to provide a neighborhood amenity where currently there is none. The bank failure has become progressively worse over the years, and something must be done for public health and safety as soon as possible?our priority is to use a restoration approach rather than an engineering fix.

Question 2

Describe the current hydrologic conditions. Include information on the type of stream (perennial, intermittent, ephemeral), channel configuration (natural, channelized, culverted, etc.), and factors affecting stream function such as watershed development, land use changes, dams, or other artificial constrictions.

Codornices Creek is a spring-fed perennial stream that originates high in the Berkeley hills and flows through the city to San Francisco Bay. It forms the border between Berkeley and Albany (to the north) and was one of the original streams described by early settlers and given the name for Codornices (or "quail eggs") for the many native California quail they found along its banks. The creek drains 1.5 square miles. Land use is generally residential, with some commercial development. The highly urbanized development of the watershed creates large variations in hydrologic flow?the creek is extremely flashy. Some upstream reaches are deeply incised. Although more than 20% of the creek is enclosed in culverts, mostly under streets, Codornices is the only creek in Berkeley or Albany known to support rainbow trout/steelhead (*Oncorhynchus mykiss*). This trout population, estimated at several hundred, is evidence of basically sound water quality. The cities of Albany and Berkeley, as well as the University of California, have and are engaged in a multi-year creek and riparian habitat restoration, flood-control, and public-access effort to restore the creek downstream from San Pablo Ave (State Highway 123), immediately west of this proposed project. The proposed project extends this habitat improvement and habitat values, restoring one of the most degraded reaches of this urban trout stream.

Question 3

Is the project planned in conjunction with or in lieu of local flood control projects? If so, provide the following information:

- **Identify and describe the local, State or federal flood management agencies involved in the project.**
- **Describe the proposed plans for the project and stage of the planning process.**
- **Discuss involvement of the appropriate federal, State or local flood agency. Have they concurred that the project is compatible with flood protection purposes?**

No local, state, or federal flood management agencies are involved in this project.

Question 4

What will happen to the existing habitat if this project does not occur? Will the habitat improve, decline, or be entirely lost? Over what time period?

There is very little existing habitat other than the creek waters and creek bed. There is no vegetation on the creek banks other than invasive weeds, such as fennel. Although steelhead are able to make it up to this site (mid-watershed), the instream habitat values are degraded by concrete, and too much sunlight (due to the lack of any riparian vegetation on the banks or any shade), causing water temperatures to be dangerously high for these at-risk fish.

Question 5

Discuss the compelling need for the project and make a case for its competitiveness in this funding cycle. Include whether there is an urgent need for the project (e.g. bank failure, water quality issue, etc.), if it is a crucial phase and continuation of previously funded work by DWR (please also list the previous project's name and the year it was funded), and if the project provides an innovative non-structural approach to restoration which might influence other imminent projects in the area.

This project is a crucial phase of previously funded work by DWR. It is Phase 5 of the Codornices Creek Restoration Project of which DWR funded the first phase with \$985,000 in 2004. Subsequent phases have been funded by the River Parkway Program, the Coastal Conservancy, Caltrans, and the cities of Albany and Berkeley. It is critical to address both the problem of failing creek banks and lack of habitat values now to reduce flood damages and prevent catastrophic bank failure/emergency repairs; to help sustain the steelhead population in the creek and help it be more resilient to climate change impacts; and to provide a neighborhood amenity where currently there is none. The bank failure has become progressively worse over the years, and something must be done for public health and safety as soon as possible?our priority is to use a restoration approach rather than an engineering fix.

Section : Community Support & Collaboration

APPLICATION QUESTIONS: COMMUNITY SUPPORT & COLLABORATION TAB

Question 1

Explain the community and institutional support for the project. Is the project benefiting a disadvantaged community? How does the project incorporate local agency and citizens' group participation in planning, design or implementation?

The Stannage/Codornices Neighborhood Association, which consists of the community surrounding the project site, coordinated getting resolutions from the two cities (Albany and Berkeley) to support the project. Resources for Community Development, the non-profit that runs the adjacent Creekside Apartments, has hosted numerous community meetings to design the project and is committed to collaborating with the City of Berkeley to maintain the site. As a result of the overwhelming community support for this project, Senator Loni Hancock has written a letter of support (see attached document). The project is benefitting a low-income, working-class neighborhood, and the project is associated with a low-income housing development (see Demographics information in Question 3). This project has involved many contributions by both the cities of Berkeley and Albany in planning and design. Albany passed a parks measure that paid for project design and planning.

Question 2

Has there been any opposition to the project? If so, explain the nature of the concerns and how they will be addressed. Describe any efforts or compromises needed to address potential conflicts between competing user groups.

Multiple community meetings indicated that there are no user conflicts related to this site.

Question 3

Discuss any demographic, social, and/or cultural issues that are important to the community and will influence design, implementation, and maintenance for the project. Summarize any previous community involvement to date within the project area. If no community involvement to date, explain how the community would be involved.

Thirty-one percent of the residents are African American, and 13 percent Latino. Median household income is \$42,000 per year. One of the important issues to this community is that there are many young families with children. They want their children to be able to participate in the restoration and help maintain the site as a family activity. The neighborhood is very excited about having a natural place for the children to play in and around outdoors. Currently, the site is completely fenced off and inaccessible; this site will be made accessible as a pocket park as part the project. Multiple meetings have been held by Resources for Community Development and CUSP to jointly design the project. See attached support letter from the community.

Question 4

Explain how the project will benefit the community during and after construction.

In the final phase of the project, we will involve the community in the planting. See question 3 re benefits. The long-term benefit to the community is transforming a fenced-off, weed-ridden vacant lot into a natural park where children can play and learn about creeks and wildlife.

Section : Organizational Capacity & Project Sustainability

APPLICATION QUESTIONS: ORGANIZATIONAL CAPACITY & PROJECT SUSTAINABILITY TAB

Question 1

Describe the applicant's experience in completing this type of project or similar projects within the scheduled timeframe and within the allowable budget. Is the expertise needed for the project readily available within the applicant's organization? If not, what are the plans to acquire it? List other potential expertise needed and the person/organizations being considered.

The City of Berkeley project manager is the Deputy Director of Public Works and an engineer with extensive experience in contracting for and managing public works and restoration projects within tight timeframes and budgets. The applications and partners in this project (City of Berkeley and CUSP) have anticipated the technical expertise needed for this project and have available a civil engineer, a fluvial geomorphologist, a soil bioengineering expert, and project implementation supervisors.

Question 2

Will predicted long-term climate change and/or sea-level rise pose a threat to the watershed? Will surrounding lands or land uses have any impact on the project's sustainability? If so, how will the project adapt to these changes or conditions?

Codornices Creek restoration projects are being designed taking into account sea level rise. The restoration projects that have taken place and are currently underway have and are being designed in tandem with new developments: setbacks and floodplains have been negotiated and incorporated into the restoration process. By doing so, project managers have allowed adequate room for the creek to move and meander while still protecting adjacent properties and reducing flooding. This project follows the design of the downstream projects, in which the creek's right-of-way has been increased by two to three times. On this site, we will be increasing the right-of-way from 8 feet to 40 feet wide.

Question 3

Will the project fully treat problems at the site or will additional stream-related problems exist? If additional problems will remain, briefly describe the scope and funding needs of other similar projects or phases that would fully address these problems and discuss why the proposed improvements in this application have priority.

This project fully treats the problems at the site.

Question 4

Who owns the property at the project site? If the property is not owned by the sponsor or co-sponsor, has the landowner given permission to perform work on the site?

The cities of Berkeley and Albany are the landowners and have submitted city council resolutions supporting the project (see attached documents).

Question 5

What are the initial and long term management or maintenance plans for the project site? How will you evaluate success of the project's long term goals? How will the community remain invested in the project beyond implementation and monitoring? What entity will perform the long term maintenance?

The City of Berkeley has agreed to perform long-term management and maintenance with assistance from RCD, the neighborhood, and CUSP (its partner in this grant application). We will evaluate success of the project's long term goals by monitoring growth of the riparian corridor; survey a profile and cross-section of the creek to evaluate geomorphic equilibrium; and perform habitat assessments for fish and birds. The neighborhood association has pledged their continued interest in the project as stewards of the site.

Section : Project Readiness, Additional Benefits, & Other Funds

APPLICATION QUESTIONS: PROJECT READINESS, ADDITIONAL BENEFITS, & OTHER SOURCES OF FUNDS TAB

Question 1

A Labor Compliance Program (LCP) is required for public works projects funded under Proposition 84. Will the sponsor or co-sponsor be able to provide evidence of an approved LCP from the Department of Industrial Relations to DWR prior to accepting funds? If not, explain.

Yes

Question 2

Is the sponsor or co-sponsor a water supplier? If so, has the water supplier submitted an Urban Water Management Plan (UWMP) to DWR? Has the plan been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete UWMP.

No

Question 3

What is the current state of the planning process for the project? Are there any technical studies that will need to be completed prior to project implementation?

A final plan and cross-sections have been completed and reviewed by city engineers and community.

The grant will cover turning these into construction drawings for purposes of soliciting a construction contractor. The project is therefore at 85% design. The amount of cut and fill has been calculated for grading as well as the cubic yards of concrete to be removed. A final HecRas model will be completed donated by FarWest Restoration Engineering (valued at \$6000) to determine final estimates of flood risk reduction.

Question 4

Discuss the permits obtained and still needed for project implementation as well as any other anticipated factors that could delay the project?

Permits will be obtained by the city as soon as the grant is awarded. We anticipate no other factors that could delay the project.

Question 5

Describe any other additional benefits the project will provide outside of restoration, flood protection, and stewardship (eg. recreation, education and outreach, economic, aesthetic, establishing new partnerships, etc.).

This project benefits the federally threatened steelhead trout by improving stream and habitat conditions; it provides an important link in the wildlife corridor that has been created up- and downstream. It also creates local resilience to climate change in the community as well as for the steelhead population. The project greatly improves the aesthetics of a highly blighted site and completes a neighborhood improvement effort; these benefits will in turn increase property values in the area.

Question 6

Discuss all funding sources for this project including local match, in-kind services, secured funds and any other potential but unsecured funds (such as applications to other grant programs). What are the consequences if the project is not funded or receives partial funding from DWR? If the project was partially funded, which components are of the highest priority and can certain components be implemented as “stand alone” phases?

Local match and in-kind services include design, community review, documents needed for construction drawings including topographic survey, quantification of cut-and-fill, and debris removal. These services were provided by the cities of Albany and Berkeley. A small community foundation funded a mural on the site depicting Codornices Creek and its steelhead. FarWest Restoration Engineering will donate final HecRas modeling. The city of Berkeley is donating mulch. If the project is not funded in its entirety, we will not be able to move ahead with it--we cannot demolish the concrete and culverts and then not restore the channel and its banks. The project components cannot be implemented as stand-alone phases. The project originally included a trail, but our priority at this time is to restore the creek. There may be a subsequent project,

separately funded, to create a trail that links to the downstream trail. The project design protects the right-of-way necessary for a future trail. The Codornices Creek system has been the subject of a concentrated restoration effort. Grants of \$480,000 were received from the Bay Delta Authority and NMFS to complete a watershed assessment. Phase 1-3 Implementation grants (downstream from the project site) included grants from Caltrans, Coastal Conservancy, and River Parkways programs, and Union Pacific totalling \$3.6 million. The City of Albany has contributed \$583,000 to these efforts. An upstream fish barrier was removed with a grant from the State Water Resources Control Board of \$380,000.

Section : Attachments

ATTACHMENTS TAB

All templates, forms, and examples can be found on the USRP website

Attachment 1 Resolutions. This attachment is mandatory.

Attach signed resolutions or letters of intent to immediately pass a resolution stating the intent to carry out the project and who (by position title) will act as the designated authority and project manager from both the sponsor and the co-sponsor. The Project Manager should be the same person designated in each resolution, and have authority to delegate responsibility for various tasks, including submitting invoices to DWR for reimbursement. The resolution must also explain how your agency has addressed or will address CEQA requirements.

If not submitted with the application, Resolutions must be submitted before the contract will be approved, if the project is awarded a grant. Grant reviewers may consider whether resolutions are included in the application packet when evaluating readiness to proceed with implementation.

Last Uploaded Attachments: Albany resolution.pdf, Berkeley resolution.pdf, Creekside letter of support 2014-1217.pdf, Project co-sponsor resolution.pdf

Attachment 2 Application Signature Page. This attachment is mandatory.

Complete the Application Signature Page (this can be found on the USRP website) and obtain signatures from designated authorities of the sponsor and co-sponsor. Provide a scanned copy here.

Last Uploaded Attachments: applic signature page

Attachment 3 Project Description. This attachment is mandatory.

In addition to responses to questions in the Project Requirements Tab, the Project Description attachment provides further information about the project for reviewers to score the application under the Project Requirements/Statutory Conditions section.

See Project Description guidance which can be found on the USRP website. Please limit the Project Description to no more than three pages.

Last Uploaded Attachments: Daylighting Codornices Creek at Kains for Safety and Steelhead.docx

Attachment 4 Maps and Diagrams. This attachment is mandatory.

Include maps and diagrams relevant to the project site and work planned. This includes:

- **Regional and site location maps, indicating access to and ownership of the site.**
- **State and federal floodplain maps for the project area that show the location of the project relative to mapped flood zones as applicable.**
- **Summary of a concept restoration plan that includes a cross-section, and plan-view and longitudinal profile for both the proposed restoration project as well as existing conditions.**
- **A list of plants that currently inhabit the site (dominant overstory and understory species) and a list of plants (with native species highlighted) that are proposed for implementation.**
 - **Any additional maps, photos, etc. that will help evaluate the benefits of the project.**

If needed, include all maps and diagrams in one zip file and upload here.

Last Uploaded Attachments: Kains USGS Quad MAp[1].pdf,Kains Project Location Maps [1].pdf,Kains Site Plans[1].pdf,East Bay Creeks map with Codornices restoration projects

Attachment 5 Photos. This attachment is mandatory.

Include labeled digital photographs of the project site clearly showing existing or potential flooding or erosion problems and locations of proposed stream and habitat restoration work. Including labeled photographs of historic stream conditions is encouraged.

Last Uploaded Attachments: Codornices at Kains upstream culvert to be daylighted and concrete banks to be removed note leaning retaining wall.JPG,concrete channel area to be restored.JPG,looking upstream with leaning wall and undercut bank.JPG,Codornices at Kains looking downstream showing leaning retaining wall and undermined bank.JPG

Attachment 6 Proposed Scope of Work. This attachment is mandatory.

Provide a detailed, concise, and specific scope of work. Should the project be selected for funding, this attachment may be used as the grant agreement's scope of work.

Last Uploaded Attachments: Scope of Work- Daylighting Codornices Creek at Kains Street for Safety and Steelhead.docx

Attachment 7 Budget. This attachment is mandatory.

Include an estimated budget broken down by individual task and subtask which match the scope of work, ongoing funding sources for long term maintenance costs, and project funding from other parties (State, federal, local, in-kind and other funding sources) contributing to the project costs and whether those funds are anticipated or committed. Should the project be selected for funding, this attachment may be used as the grant agreement's budget.

Last Uploaded Attachments: Kains Budget details.doc

Attachment 8 Schedule. This attachment is mandatory.

Provide a schedule for implementation of the project showing the sequence and timing of the proposed work items. The schedule should show the start and end dates and milestones.

Should the project be selected for funding, this attachment may be used as the grant agreement's schedule.

Last Uploaded Attachments: project schedule.docx

Attachment 9 CEQA. This attachment is mandatory.

(Download Environmental Information Form (EIF) from USRP website) Attach a completed EIF as well as any draft or final CEQA documents that are available. If none are available, provide a completed Initial Study checklist. If the CEQA document has been published on a website, that website address can be submitted in lieu of attaching the entire document and should be included in the EIF.

Last Uploaded Attachments: env info form.pdf

Attachment 10 Permits. This attachment is mandatory.

(Download Project Permit Checklist from USRP website and upload here) Applicants are required to indicate the type of permits necessary to complete the project, permitting submittal and acquisition status, and potential project delays due to permitting.

Last Uploaded Attachments: 2014_10Permit.pdf

Attachment 11 Letters of Support. This attachment is optional.

Attach letters of support from community groups, non-profit organizations, co-sponsors, or politicians. Please be sure these letters clearly state the name of the stream and the project sponsor. One of the selection criteria for project eligibility is community support. Letters with specific commitments to participate carry more weight than those voicing general support. If letters of support become available after the due date and are not included with the grant application, they can be submitted to USRP; however, there is a chance that they might not be included in the review.

Last Uploaded Attachments: Hancock LOS for City of Berkeley_ Urban Streams Restoration Grant Program_2014.pdf,berman support letter.pdf,CUSP_LOS_Signed.pdf

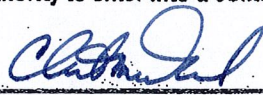
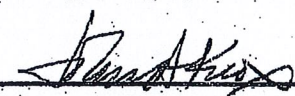
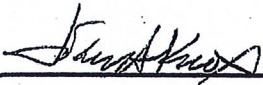
Attachment 12 Property Data Sheet and Property Acquisition Cost Schedule. These attachments are optional.

(Download both documents from the USRP website) Complete the property data sheet for all parcel acquisitions included in the project. Complete the Property Acquisition Cost Schedule for projects if applicable.

Attachment 13 Letters from Landowners. This attachment is optional.

If the project site is not owned by one of the project sponsors, include letter(s) from the property owner(s) stating support for the project and willingness to manage the stream in accordance with the goals of the USRP. If the project includes acquisition, attach Willing Seller letters from affected landowners. (See USRP website for example of landowner letter and Willing Seller questionnaire).

EXHIBIT 2: Application Signature Page

Project Name: <u>Daylighting Codornices at Hains for Safety and Steelhead</u>	
Sponsor Name and Mailing Address City of Berkeley 2180 Milvia Street Berkeley, CA 94704	Check one: Local Public Agency <input checked="" type="checkbox"/> Citizens' Group
Sponsor's Representative whose title is identified in resolution Name: Christine Daniel Title: City Manager Phone: (510) 981-7002 Email Address: cdaniel@cityofberkeley.info	
I certify that the information contained in this project application, including required attachments, is complete and accurate. I certify that I have the legal authority to submit the proposal on behalf of the sponsor, and the sponsor has the legal authority to enter into a contract with the State.	
Signed: <u></u>	Date: <u>12/30/14</u>
Sponsor's Project Manager – Person with day to day responsibility for project (if different from authorized representative) Name: Phillip Harrington Title: Deputy Director of Public Works' Phone: (510) 981-6661 Email Address: pharrington@cityofberkeley.info	
Co-Sponsor Name and Mailing Address Earth Island Institute 2150 Allston Way, Suite 460 Berkeley, CA 94704	Check one: Local Public Agency <input checked="" type="checkbox"/> Citizens' Group
Co-Sponsor's Representative whose title is identified in resolution Name: John A. Knox Title: Executive Director Phone: (510) 859-9108 Email Address: johnknox@earthisland.org	
I certify that the information contained in this project application, including required attachments, is complete and accurate. I certify that I have the legal authority to submit the proposal on behalf of the co-sponsor, and the co-sponsor has the legal authority to enter into a contract with the State.	
Signed: <u></u>	Date: <u>December 17, 2014</u>
Co-Sponsor's Project Manager Name: Ann Riley Title: Advisory Board Member Phone: (510) 548-1764 Email Address: rileywaterways@gmail.com	Title: California Urban Streams Partnership
Fiscal Agent and Mailing Address (if applicable) Earth Island Institute 2150 Allston Way, Suite 460 Berkeley, CA 94704	Check one: Local Public Agency <input checked="" type="checkbox"/> Non-Profit
I certify that my agency will serve as Fiscal Representative for the Sponsor (No other certification implied)	
Signed: <u></u>	Date: <u>December 17, 2014</u>

RESOLUTION NO. 2013- 46

A RESOLUTION OF THE ALBANY CITY COUNCIL AUTHORIZING ALBANY'S SUPPORT FOR THE BERKELEY CITY COUNCIL ACTION TO SUBMIT A GRANT APPLICATION TO THE CALIFORNIA DEPARTMENT OF WATER RESOURCES URBAN STREAMS RESTORATION GRANT PROGRAM, TO REDUCE FLOODING, EROSION AND ASSOCIATED PROPERTY DAMAGE ALONG CODORNICES CREEK WEST OF KAINS AVENUE

WHEREAS, the California Department of Water Resources, FloodSAFE Environmental Stewardship and Statewide Resources Office, Urban Streams Restoration Grant Program has announced the availability of funds for grants; and

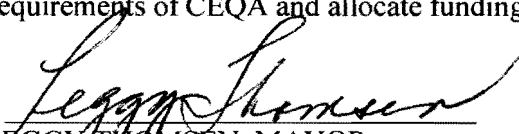
WHEREAS, said grants are intended to help mitigate flooding and erosion problems in a way that provides environmental enhancements; and

WHEREAS, it is in the cities' interest to restore, enhance, and/or protect the natural ecological values of streams and creeks; and

WHEREAS, the Earth Island Institute has proposed to co-sponsor a grant application with the City of Berkeley, which will be the lead agency in applying for, and administering, the grant; and

WHEREAS, the project proposed for grant funding would be environmentally beneficial.

NOW THEREFORE, BE IT RESOLVED that the Albany City Council hereby supports the decision by the City of Berkeley to: 1) submit a grant application to the California Department of Water Resources for the Urban Streams Restoration Program to help mitigate flooding and erosion problems along Codornices Creek west of Kains Avenue; 2) accept the grant and execute any resultant agreements and amendments; and 3) authorize the implementation of projects in compliance with the requirements of CEQA and allocate funding for related expenses, subject to securing the grant.


PEGGY THOMSEN, MAYOR



City of Albany

1000 San Pablo Avenue • Albany, California 94706
(510) 528-5710 • www.albanyca.org

RESOLUTION NO. 2013-46

PASSED AND APPROVED BY THE COUNCIL OF THE CITY OF ALBANY,

The 3rd day of September, 2013, by the following votes:

AYES: Council Members Atkinson, Barnes, Maass, Vice Mayor Wile & Mayor Thomsen

NOES: none

ABSENT: none

ABSTAINED: none

RECUSED: none

WITNESS MY HAND AND THE SEAL OF THE CITY OF ALBANY, this 4th
day of September, 2013.

Eileen Harrington
DEPUTY CITY CLERK

Daylighting Codornices at Kains for Safety and Steelhead Project Description

The project includes: Implementation; Public Access; Education

Project Summary

The City of Berkeley and The California Urban Streams Partnership (“CUSP”), a Project of Earth Island Institute, seek a grant to daylight and restore one of the remaining most degraded stretches of Codornices Creek, which forms the border between the cities of Albany and Berkeley, California. Daylighting will restore a critical stretch of this important stream, which has been the focus of extensive watershed restoration efforts over the past 20 years, using the principles of fluvial geomorphic design, to reduce flood risks, and stabilize dangerous, eroding creek banks by removing falling concrete and soil bioengineering the banks, and to benefit steelhead (*Oncorhynchus mykiss*), a federally threatened species that migrates upstream to spawn in this watershed. Soil bioengineering techniques will include brush layering, brush matting, willow and dogwood posts and stakes, and the use of coir fabric.

Project Description

1. Current Conditions and Problems

Poor water quality: A watershed assessment showed high levels of nutrients in the creek and the need to provide more shade for cooler water temperatures to prevent summer algae blooms. This project will improve water quality by providing shade and increasing dissolved oxygen in the stream.

Eroding Banks and Flooding: It is critical to address both the problem of failing creek banks and lack of habitat values now to reduce flood damages and prevent catastrophic bank failure/emergency repairs; to help sustain the steelhead population in the creek and help it be more resilient to climate change impacts; and to provide a neighborhood amenity where currently there is none. The bank failure has become progressively worse over the years, and something must be done for public health and safety as soon as possible—our priority is to use a restoration approach rather than an engineering fix. Grading back the banks will also make the current site safer for people.

As the climate changes, and local storms become more intense, the site may flood more frequently. The project site has recurring flood problems including verbal accounts of property damage at 1177 San Pablo Ave, where the building is physically connected to the creek wall at the downstream end of the project site. Residents adjacent to the site report frequent flooding—evidenced by sandbags located within inches of a home along the creek. Hydraulic modeling results conducted in 2005 by Far West Engineering validate these accounts, indicating that

10-year storm discharges result in flooding behind both the San Pablo and Kains Ave culverts. Bank failure and erosion are also serious concerns. The right bank wall leans severely towards the creek, and a portion of this wall collapsed into the channel in the summer of 2004. Further collapse during a storm event could cause serious flooding. In addition to the leaning wall, Creekside Apartments' Building F appears to be slowly migrating creekward, evidenced by cracks in the driveway pad and leaning fence posts.

Within the project site, Codornices Creek is contained in a channelized 165' reach of concrete open-box culvert (typically 5' high by 8' wide). The creek enters and exits the site through 6' diameter concrete culverts at both ends (see photos). A debris rack spans the channel approximately 40' downstream of Kains Ave. At 70' downstream of the debris rack, the left bank wall is physically connected to the rear of two adjacent parcels fronting San Pablo Ave. Except for occasional patches of volunteer willow growth within voids of the aging concrete walls, the creek corridor is devoid of riparian vegetation. The vacant lot edging the creek is overgrown with fennel and other weeds, whose seeds wash into downstream, restored creek areas. The open channel is almost entirely unshaded, and the channel width keeps summer flows shallow. These conditions contribute to high water temperatures and low dissolved oxygen, unfavorable to the native trout in the creek as well as other aquatic life. In addition, the culverts at both ends of the project site and the patchwork, failing, rectangular concrete channel have smooth beds and walls, with no structural diversity to provide pools, riffles, or glides where fish or other aquatic creatures can rest, hide, or spawn.

The computed shear stresses for the failing concrete channel at bankfull flow range from 3.74 to 4.5 lbs. per square foot. The restoration project will lower shear stresses to 1.8 to 2.25 lbs. per square foot. Estimates for the current channel capacity estimates are about 300 cfs; the restoration project should increase channel capacity to close to 900 cfs, or the 100-year flood.

2. How This Project Addresses the Problems

The project will attenuate the current flooding conditions by increasing channel capacity and establishing a floodplain corridor. This includes partial creek daylighting (20 feet of closed culvert to be opened), removing the concrete channel walls, and grading the banks to stable slopes. Excluding the proposed floodplain area, the conceptual design indicates an increase of in-stream capacity from an existing cross-sectional average of 40 sq. ft. to 240 sq. ft. Final project design will incorporate hydraulic modeling (HecRas) to quantify the project's potential flood damage reduction benefits. Riparian plantings and erosion control blanketing along the bank slopes will be the primary tools for erosion control. The channel restoration will allow fish to migrate more easily through this reach and connect with recently restored reaches just upstream and downstream.

The project will benefit the watershed by restoring one of the most degraded, if not the most degraded, reaches in the creek. Replacing the straight, smooth concrete banks and bottom of this sunbaked reach with a meandering channel, earth bottom and banks, and shade-producing native vegetation will measurably improve water temperatures, oxygenation, aquatic macroinvertebrate variety and numbers, and habitat complexity. Replacing the invasive weeds, the seeds from which now wash downstream invading newly restored sites, will make it easier to maintain those sites.

3. How Stream Functions Will Change and Improve

Existing conditions prevent the basic stream processes of sediment deposition and formation of channel complexity. The low-flow channel is 1/6th the proper size, and there is no connection with a floodplain. All functions associated with a riparian corridor are absent.

The project will restore balanced sediment transport and deposition, formation of point bars, and channel complexity. It will support a riparian corridor that will function as habitat and provide water quality benefits. The floodplain will provide an area to store sediment and flood flows, and reduce shear stresses and velocities.

4. Project Benefits

The City of Berkeley and the California Urban Streams Partnership will restore 230 linear feet of concrete-lined, channelized Codornices Creek and its floodplain to address a dangerous flooding situation in which damages occur in a 1 in 10 storm event and to remove failing bank and buckling concrete hazards located next to a new low-income housing development. The creek was likely channelized in the 1960s, and its concrete banks have been failing and collapsing for many years, impeding fish passage and providing no riparian habitat. The bank failure has become progressively worse over the years. This project will provide flood damage reduction benefits, stop further bank failure and excessive erosion from a retaining wall that is leaning into the creek; restore in-stream habitat, and vegetate the naturalized creek banks with native riparian plantings, continuing the wildlife corridor that has been restored up and downstream. It will open up three miles of stream channel for steelhead passage.

This restoration project is the final implementation of a community commitment to transform a blighted site that contained a prostitution and drug-dealing house and replace it with new housing while transforming a dangerous vacant lot into a neighborhood amenity.

RESOLUTION NO. 66,281-N.S.

AUTHORIZING THE CITY MANAGER TO SUBMIT A GRANT APPLICATION TO THE CALIFORNIA DEPARTMENT OF WATER RESOURCES URBAN STREAMS RESTORATION GRANT PROGRAM, TO REDUCE FLOODING, EROSION AND ASSOCIATED PROPERTY DAMAGE

WHEREAS, the California Department of Water Resources, FloodSAFE Environmental Stewardship and Statewide Resources Office, Urban Streams Restoration Grant Program has announced the availability of funds for grants; and

WHEREAS, said grants are intended to help mitigate flooding and erosion problems in a way that provides environmental enhancements; and

WHEREAS, it is in the City's interest to restore, enhance, and/or protect the natural ecological values of streams and creeks; and

WHEREAS, the Earth Island Institute has proposed to co-sponsor a grant application with the City of Berkeley; and

WHEREAS, the project proposed for grant funding would be environmentally beneficial.

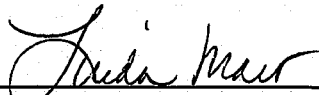
NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that the City Manager is hereby authorized to 1) submit a grant application to the California Department of Water Resources for the Urban Streams Restoration Program to help mitigate flooding and erosion problems; 2) accept the grant and execute any resultant agreements and amendments; and 3) authorize the implementation of projects in compliance with the requirements of CEQA and allocate funding for related expenses, subject to securing the grant. A record signature copy of said agreements and any amendments shall be on file in the office of the City Clerk.

The foregoing Resolution was adopted by the Berkeley City Council on July 16, 2013 by the following vote:

Ayes: Anderson, Arreguin, Capitelli, Maio, Moore, Wengraf, Worthington and Wozniak.

Noes: None.

Absent: Bates.


Linda Maio, Mayor Pro Tempore

Attest: 
Mark Numainville, CMC, City Clerk

Resolution from Project Co-sponsor For The California Department of Water Resources Urban Streams Restoration Grant

Whereas, the California Department of Water Resources Urban Streams Restoration Program has announced the availability of funds for grants; and

Whereas, said grants are intended to help solve flooding and erosion problems in a way that provides environmental enhancement, and

Whereas, the City of Berkeley has proposed to sponsor a grant application with the Earth Island Institute and its project, the California Urban Streams Partnership; and

Whereas, the Earth Island Institute has concluded that the project proposed for funding with grants would be environmentally beneficial and that the City of Berkeley will adopt a negative Declaration under CEQA, and will comply with all requirements of CEQA and other environmental permits prior to implementation of the project


Whereas we consider the prospects of receiving a grant to be reasonably likely:

NOW, THEREFORE, BE IT RESOLVED

The Earth Island Institute Board of Directors designates its Director to approve grant applications, and the Director approves the joint application of the Berkeley Public Works Department with the Earth Island Institute for an urban streams restoration grant.

If offered such a grant we authorize the Berkeley Public Works Deputy Director as the local agency project representative to accept and sign any contract for administration of the grant funds, and for the Deputy Director of Public Works to act as project manager for the project. We hereby delegate authority to the project manager to manage the agreement including the submission of invoices, and to delegate authority to others to provide management and support services required for the performance of the work and administration of the agreement including contracting with the Earth Island Institute for community involvement and project planting services.

Earth Island Institute Director

Signature 

Printed name: John A. Knox

Title: Executive Director

Date: December 17, 2014

The resolution should ensure that only titles of individuals are used in the resolution and not the actual names are used.

December 17, 2014

Stefan Lorenzato
California Department of Water Resources
1416 Ninth Street
Sacramento, CA 95814

RE: Letter of Support
Cordonices Creek at Kains Avenue Restoration Project

Dear Mr. Lorenzato:

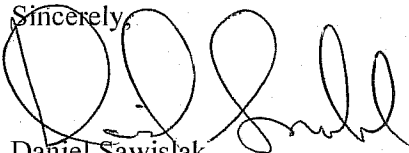
Resources for Community Development (RCD), is pleased to write this letter in support of the proposed *Cordonices Creek at Kains Avenue Restoration Project* submitted to both the Urban Streams Restoration Grant Program. RCD is a non-profit community based housing development corporation committed to creating and preserving affordable housing. In 2001, RCD developed the Creekside Apartments, a 16-unit affordable housing development that provides housing to low income families, adjacent to the stretch of Cordonices Creek to which the restoration project applies. RCD is the managing general partner of Albany Creekside Apartments, LP, the ownership entity for Creekside Apartments.

RCD and Albany Creekside Apartments, L.P., have executed the public access, conservation, and maintenance easements required to ensure enough open space on the Creekside Apartments parcel to restore the creek and establish a public parkway. Creekside Apartments residents certainly will benefit from the restored creek and park developed adjacent to their homes. It is also our understanding that the proposed re-alignment of the channel away from the foundation of one of the buildings of Creekside Apartments will potentially reduce threats to the stability of that building currently posed by the proximity of the creek.

To further assist in restoration efforts, RCD has participated in design development, facilitating outreach to Creekside Apartment residents to promote their participation in the design process.

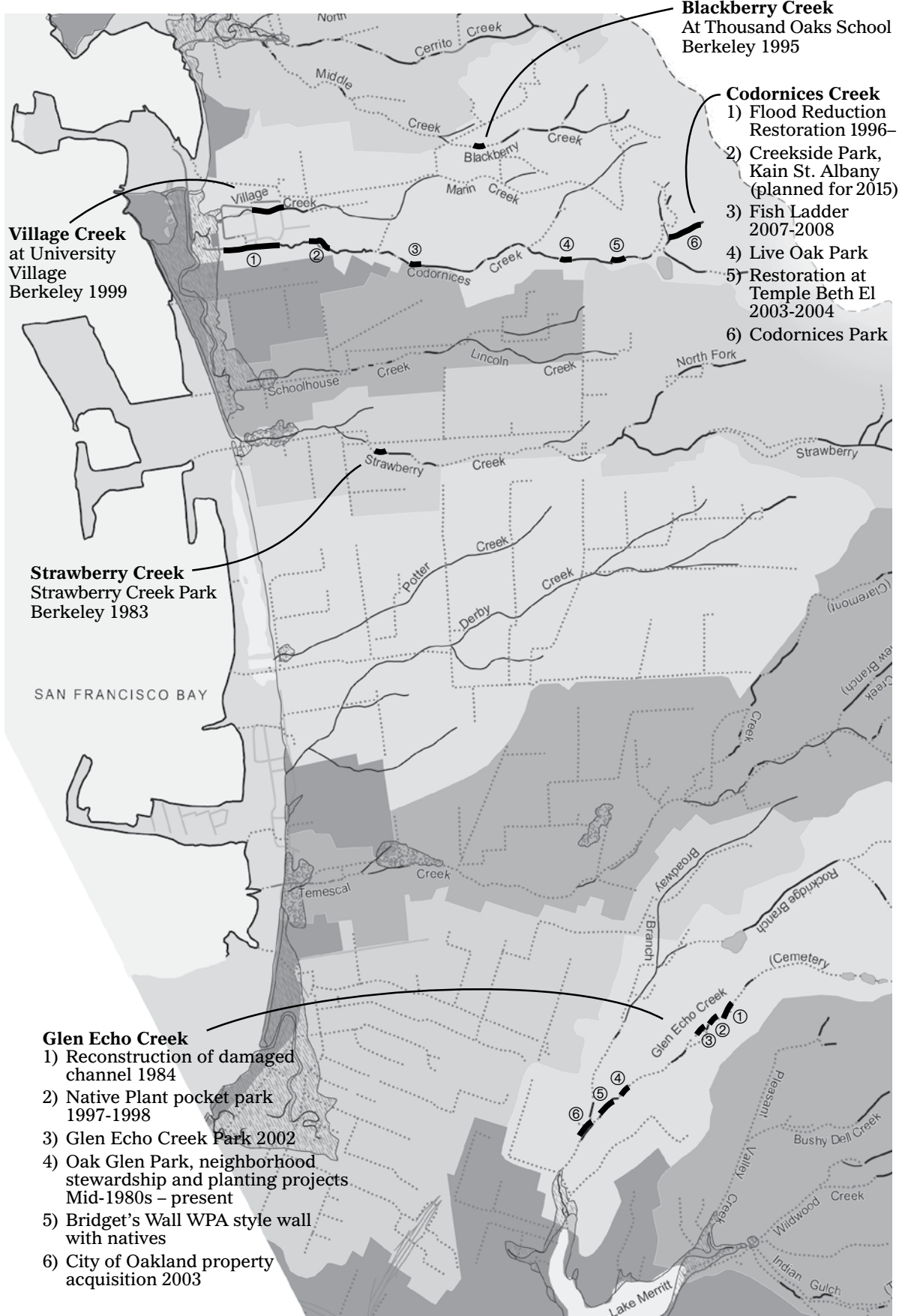
Please consider fully funding the proposed project as it will provide enhanced bank stabilization, reduce flood hazards, and increase park space in this urban area.

Sincerely,

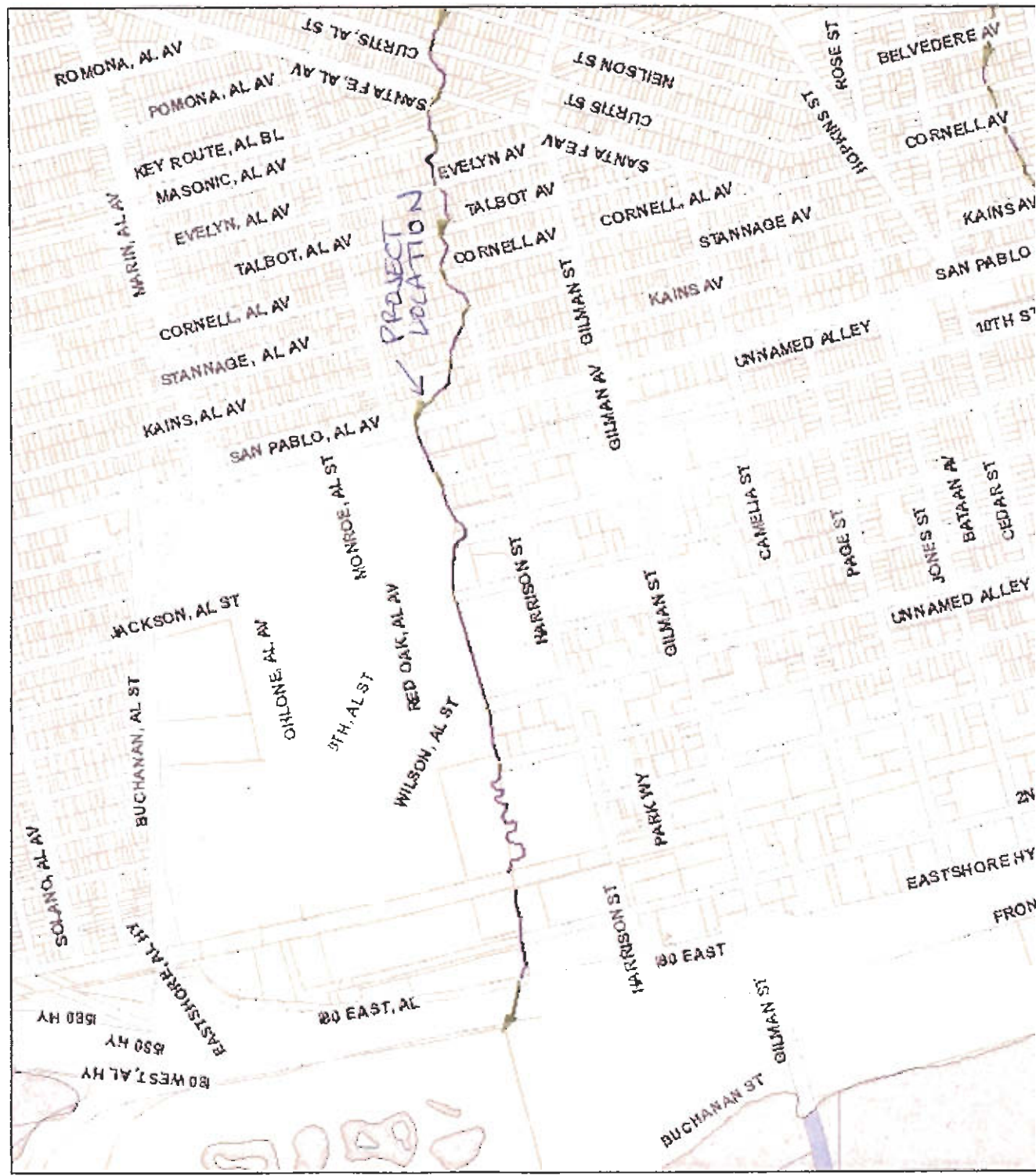


Daniel Sawislak
Executive Director

Oakland, Berkeley, Albany Projects



5.0. PROJECT LOCATION MAP



City of Berkeley

S.b. Aerial Photograph of Project Site



HARRISON ST

KAINS AV

SAN PABLO AV

KAINS AV

SAN PABLO AV

DARTMOUTH ST

042-113

12-001-49

8-113

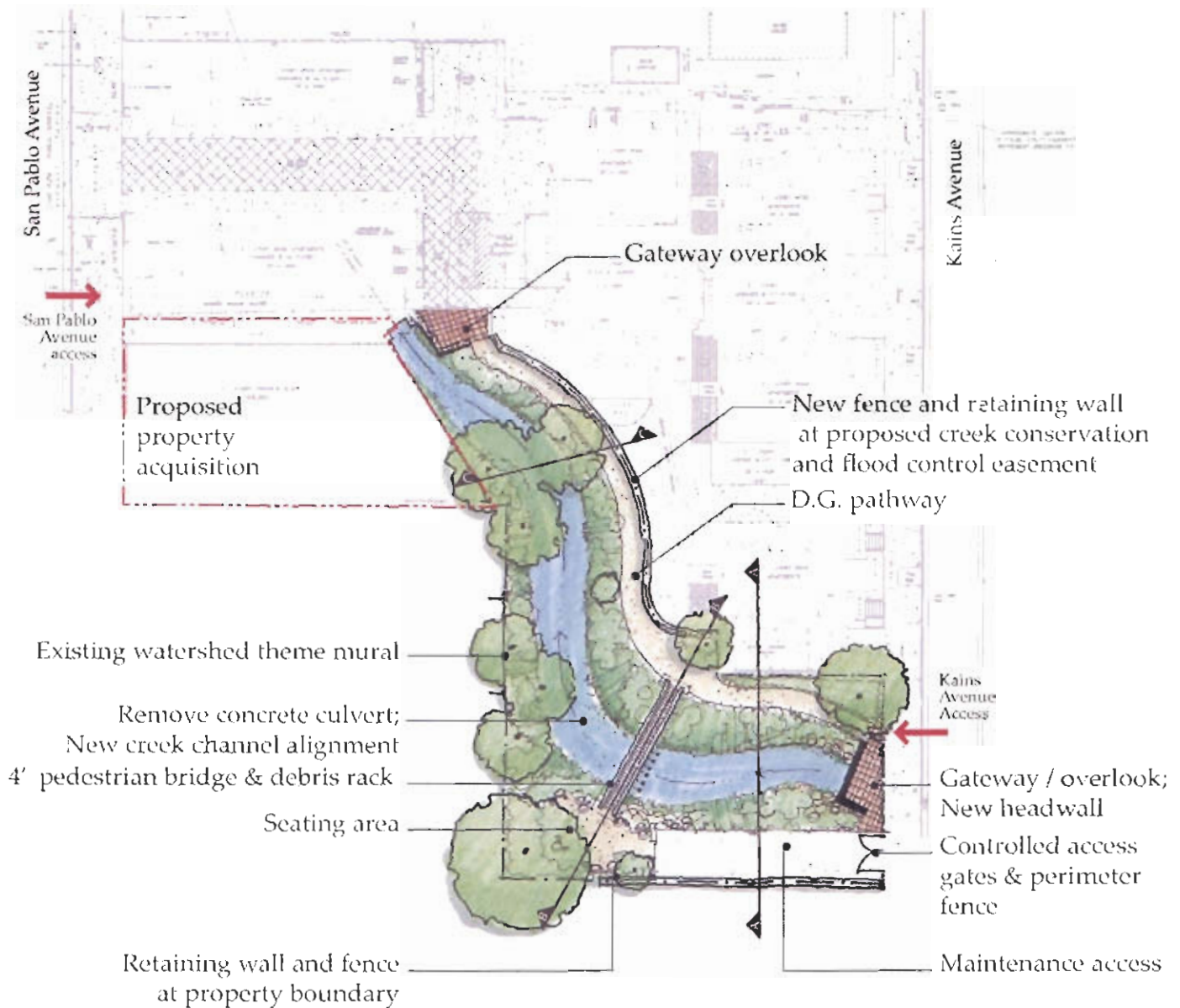
036-81

702

041-56

Coordinates of Project Site
at [Address] Avenue
<http://dkrzn.cdb/arc/Server/arc/>

7b. Proposed Plan View

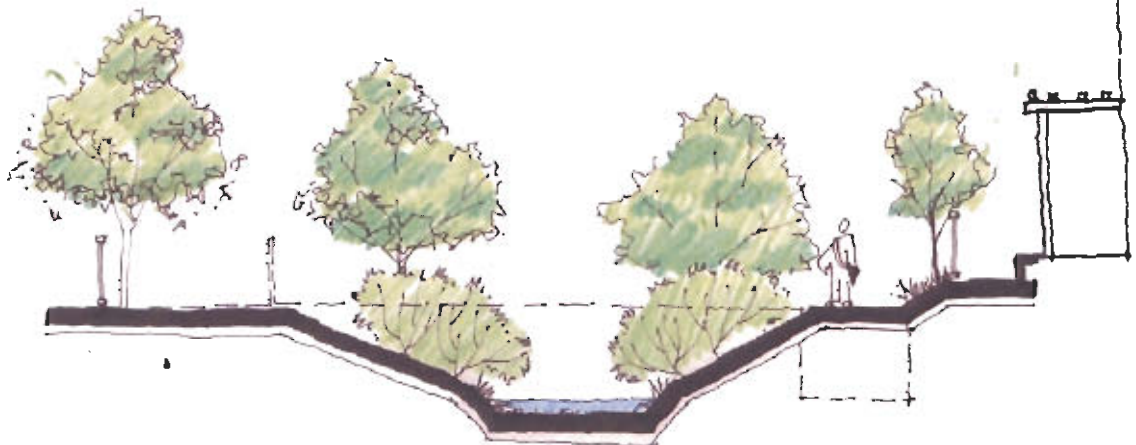


CODORNICES CREEK RESTORATION PROJECT AT KAINS AVENUE

SCHEMATIC DESIGN
NOVEMBER 2008

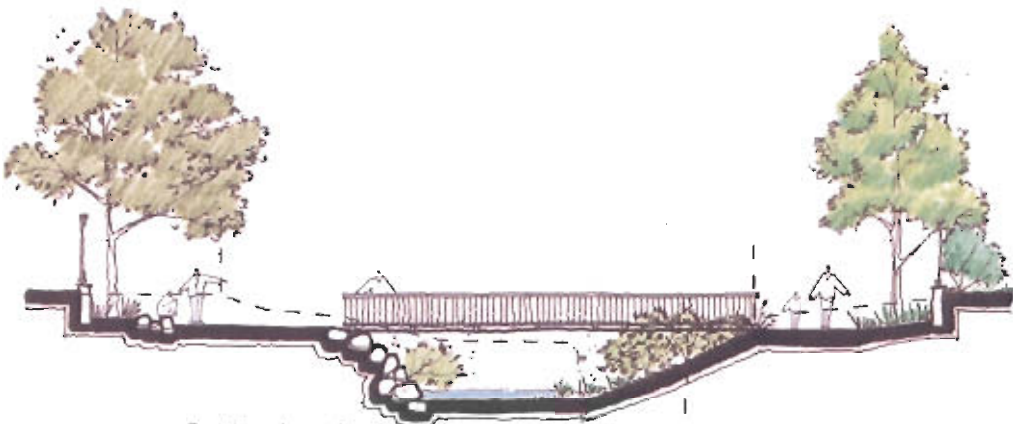


c. Existing/Proposed Cross Sections



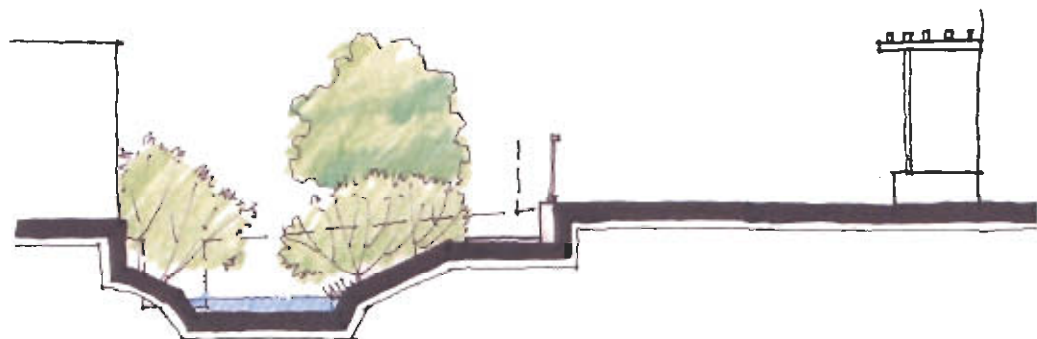
SECTION A

Bank Slope	Active Channel	Bank Slope	Path	Fence/wall	Creekside Apartments
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SECTION B

Seating Area / Maintenance access for Debris Rack	Active Channel	Bank Slope	Path	Fence/wall	Creekside Apartments
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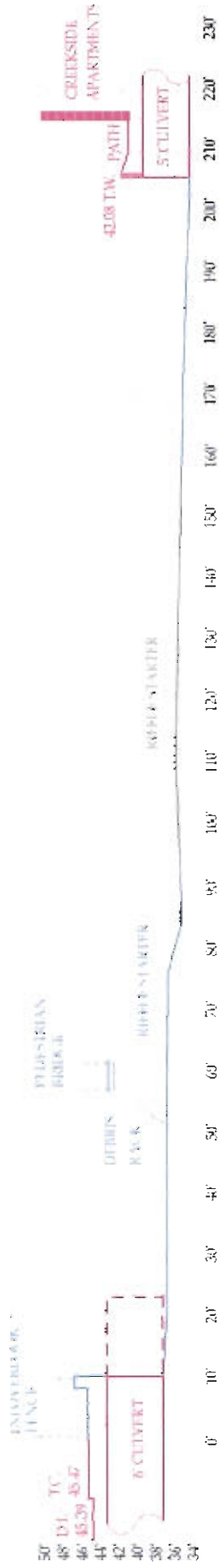
SECTION C

Existing Building	4'-0" Bank Slope	15'-0" Active Channel	2:1 Bank Slope	6'-0" Path	Creekside Apartments
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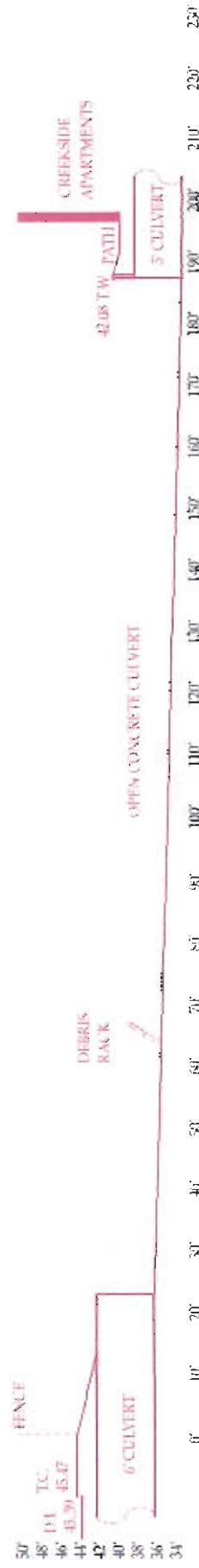
CODORNICES CREEK RESTORATION PROJECT AT KAINS AVENUE

SECTIONS
NOVEMBER 2008

7.d. Existing / Proposed Longitudinal Profile



PROPOSED CREEK RESTORATION PROFILE

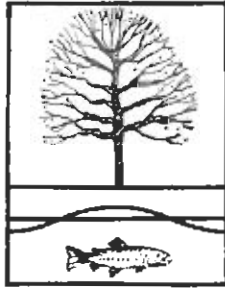


EXISTING CONDITIONS PROFILE

CODORNICES CREEK RESTORATION PROJECT AT KAINS AVENUE

LONGITUDINAL PROFILE
NOVEMBER 2008

7.e. Plant List



NATIVE BAY AREA CREEK PLANTS

TREES

Salix laevigata, red willow
Salix lasiandra, yellow willow
Salix scouleriana, scouler willow
Aesculus californica, California buckeye
Cornus nuttallii, Pacific dogwood
Populus species, cottonwood
Alnus oregonia, red alder
Alnus rhombifolia, white alder
Acer negundo var. californicum,
California box elder
Acer macrophyllum, big leaf maple
Fraxinus oregona, Oregon ash
Juglans hindsii, California black walnut
Platanus racemosa, Western sycamore
Quercus agrifolia, Coast live oak
Quercus lobata, valley oak
Umbellularia californica, California bay
Sequoia sempervirens, redwood

SHRUBS and VINES

Salix coulteri, velvet willow
Salix hindsiana, sandbar willow
Salix lasiolepis, arroyo willow
Calycanthus occidentalis, spicebush
Clematis lasiantha, pipe-stem clematis
Clematis ligusticifolia, wild clematis
Cornus glabrata, smooth dogwood
Cornus stolonifera, redtwig dogwood
Lonicera hispidula var. vacillans, wild
honeysuckle
Myrica californica, California wax-myrtle
Physocarpus capitatus, ninebark
Prunus emarginata, bitter cherry
Prunus subcordata, pacific plum
Rhododendron occidentale,
Western azalea
Ribes sangiunium, red flowering currant
Ribes aureum, golden currant

Shrubs and vines, continued

Ribes divaricatum, wild gooseberry
Rosa californica, California rose
Rubus vitifolius, California blackberry
Sambucus callicarpa, red elderberry
Sambucus caerulea, blue elderberry

GRASSES, SEDGES, RUSHES

Calmagrostis nutkaensis,
sand reed grass
Carex nudata, sedge
Eleocharis macrostachya, spike rush
Elymus triticoides, California blue rye
Equisetum hyemale, common horsetail
Equisetum telmateia, giant horsetail
Festuca californica, California fescue
Glyceriz leptostachya, manna grass
Juncus effuscus, rush
Muhlenbergia rigens, deer grass
Phalaris californica, canary grass

FERNS

Polystichum munitum,
Western sword fern
Polypodium californicum,
California ground fern
Adiantum pedantum, five-finger fern
Blechnum spicant, deer tongue fern
Dryopteris arguta, wood fern
Pityrogramma triangularis, goldback fern
Woodwardia fimbriata, giant chain fern

HERBACEOUS/ FLOWERING PLANTS

Aralia californica, elk clover
Artemisia douglasiana, sagebrush
Asarum caudatum, wild ginger

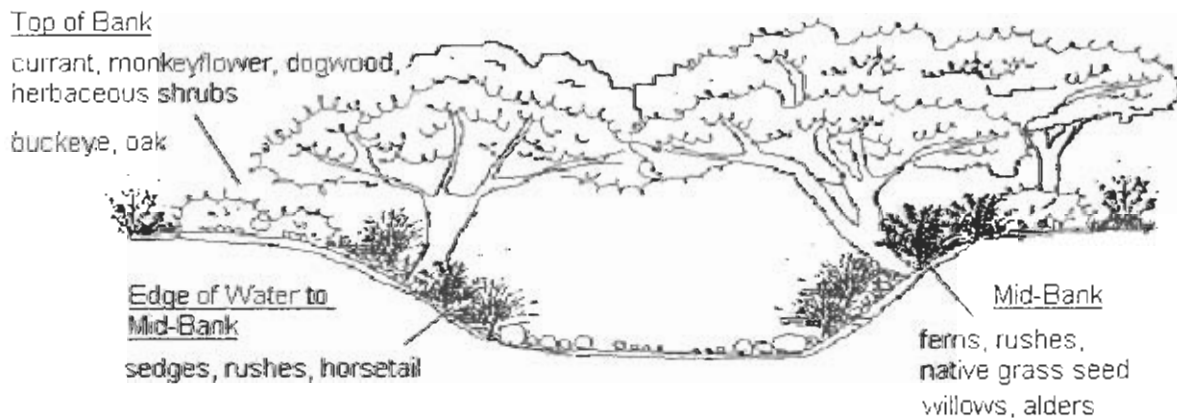
Compiled by Judith Goldsmith and the Urban Creeks Council

7.e. Plant List (cont.)

Dicentra formosa, Western bleeding heart
Epipacatis gigantea, stream orchid
Fragaria californica, California strawberry
Heuchera micrantha, alum root
Mimulus cardinalis, scarlet monkey flower
Mimulus guttatus, seep-spring monkey flower

*Native grass and wildflower seed mixes can be obtained from local suppliers.
See Urban Creeks Council consultants list.*

Placement of Riparian Plantings



Compiled by Judith Goldsmith and the Urban Creeks Council

USGS QUAD MAP

Lodiomices Creek Restoration Project Kams
City of Berkeley

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RICHMOND QUADRANGLE
CALIFORNIA
7.5-MINUTE SERIES (TOPOGRAPHIC)



Produced by the United States Geological Survey
Copyright and Survey Data (USGS) Revised Data (USGS)
Scale as of 1/1/1988. Contour interval 20 feet. 1 inch = 1 mile.
This map is a reproduction of the original map. It is not
guaranteed to be a true reproduction of the original map.
The names of the cities and towns shown on this map are
not necessarily the names of the cities and towns at the
time this map was published. The names of the cities and
towns shown on this map are not necessarily the names
of the cities and towns at the time this map was published.
There may be some differences between the boundaries of
the National or State boundaries shown on this map.



MAP CLASSIFICATION

Contour Interval	10 feet
Scale	1 inch = 1 mile
Projection	NAD 83
Map Series	7.5-MINUTE SERIES (TOPOGRAPHIC)

CORRECTION INFORMATION: 2010
SUPERSEDING CORRECTION DATA: 1/1/1988
NATIONAL GEODESIC SURVEY, WASHINGTON, DC 20540

FOR SALE BY U.S. GEOLOGICAL SURVEY, P.O. BOX 378, BOSTON, MASSACHUSETTS 02111

RICHMOND, CA
1988







Daylighting Codornices Creek at Kains Street for Safety and Steelhead: Scope of Work

Upon receipt of grant funds, the City of Berkeley will complete 100% construction drawings, issue an RFP, and select construction contractors. They will also obtain the proper permits from the California Dept. of Fish & Wildlife, US Army Corps of Engineers, and the SF Bay Regional Water Quality Control Board, and consult with National Marine Fisheries Service.

Creek restoration activities include: (a) daylighting 20 feet of culverted creek; (b) removing concrete and debris from the channel as well as the existing trash rack in the middle of the channel; (c) realigning the open channel to add sinuosity (meander); (d) grading sloped, earthen creek banks (2:1 slopes); (e) reestablishing a floodplain terrace; and (f) vegetating the creek banks with California Conservation Corps labor using soil bioengineering techniques and planting native riparian trees and shrubs (i.e. willow, dogwood, buckeye, big leaf maple, currant, etc).

CUSP will then involve the neighborhood in soil bioengineering activities as well as container tree planting as part of the public education component.

CUPS and the California Conservation Corps will monitor the project performance for three year and reporting the results to the Dept. of Water Resources.

Detailed Budget for Daylighting Codornices Creek at Kains for Safety and Steelhead

Grant Administration and Project Design

Item	Grant request from DWR	Local contributions
Grant administration, City of Berkeley	15,000	
Construction site monitoring	2,500	
Preparation of bid documents and RFP	30,000	
Permitting and fees	5,000	
Detailed restoration plan and budget, City of Albany		110,000
Final flood modeling, FarWest Engineering		6,000
Subtotal	\$57,500	\$116,000

Construction

Item	Quantity	Unit	Unit Cost	Total Cost
Geotechnical			8,000	8,000
Stormwater SWPPP			8,500	8,500
Dewatering	1	ls	20,000	20,000
Subtotal				36,500
Demolition, Clear and Grub				
Clear and grub	5,000	sf	1.00	5,000
Steel debris rack removal	1	ls	2,500	2,500
Fencing removal	120	Linear feet (lf)	25.00	1,500
Concrete revetment and headwalls, culvert section removal	150	cy	250	37,500
Haul, recycle, dispose of debris	150	cy	50	7,500

Detailed Budget for Daylighting Codornices Creek at Kains for Safety and Steelhead

Subtotal, demo				54,000
Excavation/Grading				
Excavate new channel and banks	925	cy	40.00	37,000
Fill and compact demolished box culvert	200	cy	30.00	6,000
Rough/fine grading	10,000	sf	1.00	10,000
Maintenance access road gravel	1,200	sf	3.00	3,600
Soil testing			5,000	5,000
Removal of contaminated soil contingency	10	cy	150	1,500
Subtotal, Excavation				63,100
Structures				
Upstream headwall	15	cy	1,000	15,000
Constructed grade control	2	EA	2,800	5,600
Patch repair, Kains St. sidewalk	1	ls	2,500	2,500
Debris rack fabrication and install	1	ls	4,500	4,500
Protection of building foundation with rock	1	ls	25,000	25,000
Subtotal, structures				52,600

Detailed Budget for Daylighting Codornices Creek at Kains for Safety and Steelhead

Erosion control				
Coir erosion control fabric	2,500	sf	1.50	3,750
Subtotal, erosion control				3,750
Irrigation				
Tie into Creekside Apts., manual read submeter	1	ls	1,000	1,000
Piping to quick couplers	200	lf	7.50	1,500
Quick couplers	4	EA	125	500
Hose and nozzle	1	ls	100	100
Water supply	15,000	gal	.021	315
Subtotal, irrigation				3,415
Gates, Fences and Railings: Demolition, Repair and Rebuild				
Railing downstream end	20	lf	75	1,500
Railing at Kains sidewalk	40	lf	75	3,000
Perimeter fencing patch repair	1	ls	1,500	1,500
Replace wood gate at Apt. south corner	1	ls	1,000	1,000
Rebuild wood planter at carport (24" high timbers)	1	EA	2,500	2,500

Detailed Budget for Daylighting Codornices Creek at Kains for Safety and Steelhead

Repair pathway by planter	300	sf	4.50	1,350
Replace Kains St. wood picket fence	80	lf	30	2,400
Bollards for maintenance access	2	EA	1,000	2,000
Regulatory signage	3	EA	250	1,500
Grant acknowledgment sign	1	LS	1,500	1,500
Subtotal, gates, fences, etc.				18,250
Total construction costs				231,615
Construction mgmt./oversight	15%			34,742
Construction contingency	10%			23,161
Total construction & management				289,518

Earth Island-CUSP revegetation/community involvement and CCC training and education	Quantity	Unit	Unit Cost	Cost	Local contributions
Planting and soil bioengineering design				2,000	
Conservation Corps installation	15	days	\$1,500	22,500	
Container trees	86	15	150	13,000	

Detailed Budget for Daylighting Codornices Creek at Kains for Safety and Steelhead

		gallon			
Large woody debris	4	Root wad	1,000	4,000	
Container grasses	500	Gal	10	5,000	
Additional row of coir fabric	2,500	Sf	1.50	3,750	
Conservation Corps maintenance and plant replacement	3	Days	1,500	4,500	
Willow collection permit	1			1,360	
Project management plus neighborhood planting day				12,000	
Meadow installation				3,000	
Water supply				315	
Three years maintenance and monitoring with Conservation Corps				10,500	
Subtotal				81,925	
Earth Island/CUSP overhead, 15%, landscaping costs				12,288	
Total Revegetation				94,213	
In-Kind*					
Mulch donated by city	59.5	cy	42.00		2,500
Mural funded by BeAFew Foundation					30,000
Short term site maintenance city of Berkeley and RCD Apts.					24,000
Total in-kind					56,500

*Not included as a line item: Long term maintenance City of Berkeley (calculated based on 20 years): \$160,000

Summary of Project Costs:

1. Project sponsor management	\$57,500
2. Total revegetation with CCC & community involvement	\$94,213
3. Total construction and Management	\$289,518
Total grant request:	\$441,231
Total local contribution:	\$172,500

Detailed Budget for Daylighting Codornices Creek at Kains for Safety and Steelhead

TOTAL PROJECT COST:

\$613,731

CUSP will begin its pre-project monitoring program as soon as the grant is awarded. Also in the first year, the City of Berkeley will submit required permit applications and perform CEQA analysis.

Detailed Project Schedule

- Dec 2015 Grant award contact
- City of Berkeley preparation of bid document and RFP January 2016-September 2016
- City of Berkeley submittal of permits to DFW, Water Board, US Army Corps and consult with NOAA January 2016-September 2016
- Issue RFP October 2016
- Award Construction bid January 2017
- Construction start June 2017
- Finish Construction August 31, 2017
- Soil bioengineering , grasses and containers planted September-December 2017
- Project monitoring and report to DWR about project completion April 2018

DWR ENVIRONMENTAL INFORMATION FORM

Grantees are responsible for complying with all applicable laws and regulations for their projects, including the California Environmental Quality Act (CEQA). Work that is subject to CEQA shall not proceed under this Agreement until documents that satisfy the CEQA process are received by the Department of Water Resources and DWR has completed its CEQA compliance. Such approval is fully discretionary and shall constitute a condition precedent to any work for which it is required. Once CEQA documentation has been completed, DWR will consider the environmental documents and decide whether to continue to fund the project or to require changes, alterations or other mitigation.

Grantee Name: City of Berkeley

Project Manager: Phillip Harrington

Phone Number: (510) 981-6661

Grant Agreement #: _____

Address: 1326 Allston Way, Berkeley California 94702

1. List the source of any other grants or funds received from the Department of Water Resources to implement a portion of this project.

N/A

2. Is this project exempt from CEQA compliance? Yes No (if no-skip to #3)

If "yes", provide reasons for exemption. Cite the CEQA Article, Section and Title of the exemption, if appropriate.

CEQA statutory exemptions: <http://ceres.ca.gov/ceqa/guidelines/art18.html>

CEQA categorical exemptions: <http://ceres.ca.gov/ceqa/guidelines/art19.html>

Check appropriate box below:

- Lead Agency has already filed a Notice of Exemption (NOE) with the State Clearinghouse and/or County Clerk.
- Lead Agency will file a NOE with the State Clearinghouse and/or County Clerk.
Provide estimated date: _____
- Lead Agency will NOT file a NOE with the State Clearinghouse and/or County Clerk.

If Lead Agency chooses not to file a NOE, sufficient documentation and information must be submitted to the DWR Project Manager, along with this form, to allow DWR to make its own CEQA determination.

3. If the project will require CEQA compliance, identify the Lead Agency.

CEQA Lead Agency: City of Berkeley

4. Please check types of CEQA documents to be prepared:

- Initial Study
- Negative Declaration/Mitigated Negative Declaration
- Environmental Impact Report

5. Please describe the status of the CEQA documents, expected date of completion, and estimated cost, if requesting DWR funds relating to CEQA compliance:

The City of Berkeley has not started any of the required CEQA or regulatory permit processes.

6. If the CEQA document has been completed, please provide the name of the document and the State Clearinghouse number if available. Submit a copy of the document to the DWR Project Manager if it was not submitted with the original application.

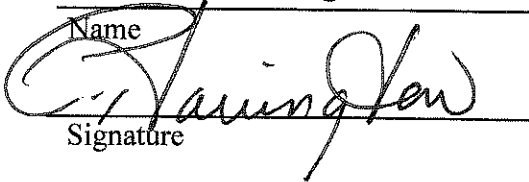
7. Please list all environmental permits you must obtain to complete the project: (attach additional pages as necessary)

- 1. US Army Corps of Engineers 404 Permit
- 2. California Fish & Wildlife Section 1602 Streambed Alteration Agreement
- 3. State Water Regional Control Board Section 401 Water Quality Certificate

8. This form was completed by:

Phillip Harrington

Name



Signature

(510) 981-6661

Phone Number

12-23-14

Date

ATTACHMENT 10
Urban Streams Restoration Program

Permit Checklist

Permitting Agency	Type of Requirement	Required?	Applied?	Acquired?	Date Anticipated
Federal Agencies:					
U.S. Army Corps of Engineers (USACE)	Clean Water Act Section 404 Permit, in consultation w/USFWS & NMFS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
U.S. Fish and Wildlife Service (USFWS), or NOAA Fisheries	Biological Opinion (Section 7 Endangered Species Act)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
State Agencies:					
California Department of Fish and Wildlife	Streambed Alteration Agreement (Section 1600)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
California Department of Fish and Wildlife	Incidental Take Permit, or consistency determination (CA Endangered Species Act)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
California Department of Transportation (Caltrans)	Encroachment Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
California Coastal Commission	Letter of Consistency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Regional Water Quality Control Board (RWQCB)	401 Water Quality Certification or Waste Discharge Requirement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
State Water Resources Control Board	Construction Activities Storm Water General Permit (RWQCB in Lake Tahoe and San Jacinto watersheds)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Central Valley Flood Protection Board	Permission to Encroach on Waterways within Designated Floodways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
State Lands Commission	Permit required if using State owned property	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
State Office of Historic Preservation	Cultural Resources Assessment (National Historic Preservation Act, Section 106) – required by USACE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Local and Regional Planning Agencies					
City/County	Grading Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
City/County	Environmental Health Department	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
City/County	Road use permits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
San Francisco Bay Conservation and Development Commission	Any relevant permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tahoe Regional Planning Agency	Any relevant permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Local Resource Conservation District	Consultation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Flood Control Districts	Floodway & Hydrological Analysis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Others (List):					

LOUISE R. BERMAN

Director, Pre Retirement Educational Services

◆ 1205 Stannage Avenue, Berkeley, CA 94706

◆ TEL (510) 526-2783

◆ FAX (510) 524-3862

◆ Email LRBerman@MyPreretirement.com

August 25, 2013

Kevin Marr
Urban Streams Restoration Program
California Department of Water Resources
1416 Ninth Street
Sacramento, CA 95814

Subject: Letter of Support for the Codornices Creek Habitat Restoration and Flood and Erosion Reduction Project

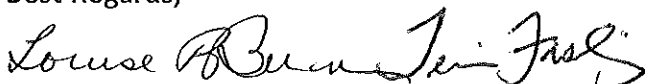
Dear Kevin Marr,

I am writing today on behalf of the Kains-Stannage Codornices Neighborhood Association to express our complete support for the proposed Codornices Creek Habitat Restoration and Flood and Erosion Reduction Project. Our neighborhood association includes citizens from the Cities of Berkeley and Albany and we look forward to enhancing our shared creek in order to protect threatened steelhead, to provide flood and erosion protection, to provide public access, and to create an ongoing opportunity for community riparian restoration. We're enthusiastic about urban creek restoration and we're committed to assisting with ongoing maintenance of the site once it is restored.

Our group participated in the planning of the proposed project, and many of us have eagerly searched for a funding opportunity since 1999. The project will benefit a low to moderate income neighborhood and will complement a low income housing project. It will serve an important educational value particularly because the creek provides significant habitat for the threatened steelhead. The grant will turn a dangerous situation - a channel composed of failing concrete - into a stable and vibrant channel. The restoration design will employ the well-established principles of natural stream channel dynamic equilibrium. In addition, biotechnical bank stabilization is incorporated into the design to improve strength and long term performance and to provide multiple aquatic habitat benefits. Finally, the floodplain restoration will help lower flood elevations.

Thank you for considering the Codornices Creek Habitat Restoration Project. Please feel free to contact Louise Berman (lrberman@MyPreRetirement.com, 510-526-2783) and/or Terri Fashing (terrifashing@gmail.com, 510-388-7321) with any questions you might have. We are thrilled about this funding opportunity and look forward to willows in our neighborhood!

Best Regards,



Louise Berman and Terri Fashing



December 20, 2014

Mr. Stefan Lorenzato
Urban Streams Restoration Grant Program
California Department of Water Resources
1416 Ninth Street
Sacramento, Ca. 95814

Dear Mr. Lorenzato,

The California Urban Streams Partnership, a project of Earth Island Institute is submitting a grant application with the City of Berkeley to restore a reach of Codornices Creek to continue our ongoing involvement with this watershed since 1996. The CUSP is an organization re-formed from the Urban Creeks Council by many of the same people involved with the council and is rebuilding a statewide network. This project is sponsored by our San Francisco Bay Area CUSP Committee which I chair.

The Codornices Creek Daylighting , Public Safety and Steelhead Restoration Project is typical of the projects we have been involved with in the past in that it is coordinated through a neighborhood association and helps restore the neighborhood as well as the creek. The creek is a classic degraded urban channel with buckled concrete, responsible for flooding and public safety hazards. The neighborhood and the California Conservation Corps will be involved in implementing the project.

This project is contained in a Codornices Creek watershed action plan developed with scientists engineers , biologists and community participants . It continues about 3000 feet of restoration downstream and should also help to extend the habitat of the Codornices Creek steelhead. The project will enable the adjacent vacant lot, currently full of weeds, to be converted into a community asset.

Sincerely,

Josh Bradt,
Chair of the San Francisco Bay Area CUSP



Loni Hancock SENATOR, NINTH DISTRICT

November 20, 2014

Stefen Lorenzato
Chief of the Financial Assistance Branch
California Department of Water Resources
1416 Ninth Street
Sacramento, Ca 95814

Re: Urban Streams Restoration Grant Program- City of Berkeley

Dear Chief Lorenzato,

I am writing in support of the application submitted by the City of Berkeley to the Urban Streams Restoration grant program for the Codornices Creek project located at Kains Street, the point where the City of Berkeley and the City of Albany intersect.

The proposed project will continue the restoration of Codornices Creek and extend the substantial downstream project to continue flood prevention to an upstream residential area. Additionally, the project will employ and train conservation corps youth and provide an opportunity for neighborhood volunteer projects. Furthermore, the project is critical for the Berkeley-Albany area because it will provide habitat for the threatened steelhead, which are thriving in the adjacent restored reaches.

In time of great environmental challenges, projects like the Codornices Creek project are critical to maintain ecosystems that can thrive for generations to come. In particular, this project will transform a vacant lot and ditch into a functioning creek with riparian habitat and instream habitat for fish.

The project is co-sponsored by the City of Berkeley, the City of Albany, the Kains-Stannage-Codornices Neighborhood Association, the California Urban Streams Partnership, and the Earth Island Institute. This collaboration is remarkable and I respectfully request that you consider the City of Berkeley for the Urban Streams Restoration grant program. Should you have any questions, please do not hesitate to contact me through my District Office.

Sincerely,

A handwritten signature in black ink that reads "Loni Hancock".

LONI HANCOCK
Senator

LH: ic

STATE CAPITOL
 P.O. BOX 942849
 SACRAMENTO, CA 94249-0015
 (916) 319-2015
 FAX (916) 319-2115

DISTRICT OFFICE
 ELIHU HARRIS STATE BUILDING
 1515 CLAY STREET, SUITE 2201
 OAKLAND, CA 94612
 (510) 286-1400
 FAX (510) 286-1406

Assembly California Legislature



NANCY SKINNER
 ASSEMBLYMEMBER, FIFTEENTH DISTRICT

COMMITTEES
 CHAIR, BUDGET
 BUSINESS, PROFESSIONS AND
 CONSUMER PROTECTION
 NATURAL RESOURCES
 PUBLIC SAFETY
 UTILITIES AND COMMERCE

November 24, 2014

Mr. Stefen Lorenzato
 Chief of the Financial Assistance Branch
 California Department of Water Resources
 1416 Ninth Street
 Sacramento, Ca 95814

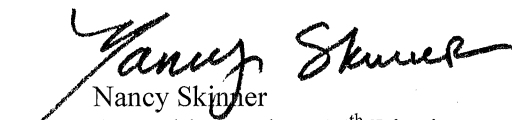
Dear Mr. Lorenzato,

I write in support of the grant application from the city of Berkeley to the Urban Streams Restoration grant program for the restoration of Codornices Creek at Kains Street. This grant will continue the valuable downstream research that a previous grant was awarded for the restoration of Codornices Creek project. This proposed project at Kains Street extends the substantial downstream project of 3000 feet to provide flood protection while providing habitat for the threatened steelhead which thrive in the adjacent restored reaches.

The proposed Codornices Creek restoration project at Kains Street in Berkeley is co-sponsored by the city of Berkeley, the city of Albany, the Kains-Stannage-Codornices Neighborhood Association, the California Urban Streams Partnership and Earth Island Institute. The project will transform a vacant lot and ditch it into a functioning creek with riparian habitat and in stream habitat for fish. The project will provide local jobs and training for conservation corps youth and provide an opportunity for neighborhood volunteer to participate in projects. In addition, it will greatly reduce the flooding to nearby residences by increasing channel and floodplain capacity.

The cities of Berkeley and Albany look forward to working with you on this valuable project.

Sincerely,


 Nancy Skinner
 Assemblymember, 15th District

CC: Phil Harrington, City of Berkeley
 Ann Chaney, City of Albany

