



PROPOSITION 1 GRANT APPLICATION

Urban Greening Projects in San Francisco Bay Area

CONTACT INFO

Organization	City of San Pablo		
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PROJECT INFO

Project Name	Wildcat Creek Restoration and Greenway Trail				
Summary	<p>The Wildcat Creek Restoration and Greenway Trail Project will restore ~2,200 linear feet of creek channel to effectively transport sediment throughout the reach without excessive aggradation or deposition while increasing the instream riffle-to-pool ratio. Other creek restoration benefits include refuge areas for trout, a modified floodplain to accommodate larger flow volumes, a widened creek corridor, soil bioengineering applications and planting of at least 2,500 native riparian plants on the restored bank. This project also aims to connect local citizens to the natural environment through an innovative pilot program for long term monitoring of the site and by providing a greenway trail for a safe cycling and pedestrian path. This project is a multi-benefit project that will help to improve water quality, habitat connectivity, human health and local climate change adaptation.</p>				
Amount Requested	\$3,304,744	Total Project Cost	\$3,406,744	Amount of non-state match	\$102,000
Start Date	November 2017		End Date	December 2020	
Project Type	<input type="checkbox"/> Planning <input type="checkbox"/> Acquisition <input checked="" type="checkbox"/> Implementation/Construction				
Primary Project Purpose	<input checked="" type="checkbox"/> Improve Watershed Health <input checked="" type="checkbox"/> Create Public Green Space <input type="checkbox"/> Increase Urban Forest <input checked="" type="checkbox"/> Create or Restore Native Habitat <input checked="" type="checkbox"/> Improve Water Quality <input type="checkbox"/> Stormwater Capture*				
<small>* Stormwater Capture Projects must be consistent with a Stormwater Resource Plan Refer to the Project Eligibility section of the solicitation for more information</small>					

Are you applying to any other agencies for Prop 1 funding for this project? Yes No

If yes, which agency(ies)?

California Natural Resources Agency (applied October 2016)

Acres	2.56	APNs (Acquisition Only)	N/A
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LOCATION INFO

County	Contra Costa		
Specific Location	Along Wildcat Creek between Church Ln. and Vale Rd. San Pablo CA 94806		

Is the project located within a disadvantaged community as defined by the Department of Water Resources Yes No Partially

Latitude Format: 33.3333	37.958079	Longitude Format:-111.1111	-122.34075
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What point is represented by the lat/longs (eg., parking lot, center of site, etc):	Start of the trail at the corner of Church Lane and Chattleton Road.
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ELECTED OFFICIALS

Districts	Number(s)	Name(s)
State Senate	9 th	Nancy Skinner
State Assembly	15 th	Tony Thurmond
Congressional	11 th	Mark DeSaulnier

PROJECT DESCRIPTION

Project Name	Wildcat Creek Restoration and Greenway Trail
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Complete each of the elements of the project description below with clear, but detailed answers. Limit your response to this section to no more than four pages if possible.

1. **Need for the project.** Describe the specific problems, issues, or unserved needs the project will address.

Wildcat Creek drains an 11 square mile watershed straddling Alameda and Contra Costa Counties. The creek flows from the hilly open space areas of the East Bay Regional Park District; down through the densely developed flatland communities of San Pablo, Richmond, and unincorporated North Richmond. About 2.2 miles of Wildcat Creek's open channel run through the mostly minority, low-income communities of the City of San Pablo. During World War II as commercial and residential development replaced remaining farmlands, little room was left for the creek's natural processes. The proposed restoration and greenway trail project is located on Wildcat Creek between a private high school, condominium complexes and a city-owned 18-acre parcel (formerly a trailer park, now known as "Plaza San Pablo"). There are a host of environmental problems and community concerns along this reach, including:

- **Unstable Banks:** Under urbanized constraints, the creek has incised to the point of being entrenched with no connected floodplain. This condition exacerbates both bank erosion and channel instability, as evidenced by the array of deteriorating concrete armoring and other patchwork revetments along the 15' high, steep banks of the project reach. The 40' width of the riparian corridor from top-of-bank to top-of-bank only allows for a very narrow band of creek-side vegetation—currently dominated by non-native, invasive plant species such as Eucalyptus trees, Algerian ivy, and Himalayan blackberry.
- **Degraded Habitat:** Wildcat Creek supports a population of resident trout, reintroduced to the system in 1983. In 2006, EBRPD biologists conducted in-stream habitat condition assessments for rainbow trout downstream of San Pablo Ave. Overall the findings were "sub-par" for channel complexity and habitat, with three late summer pools identified within the project area as viable for trout. Anecdotal reports indicate the pools have since filled in, which is not a surprise given the watershed's heavy sediment loading.
- **Water Quality:** Commonly, tall fences at the top of bank along backyards discourage trespassers and protect privacy. This effectively makes the creek corridor a concealed area, rife with illicit activities. Bioassessment surveys within the project reach by trained volunteers collecting benthic macroinvertebrates (BMI) in 2005 and 2006 indicated a decrease in water quality from "fair" to "marginal" using the Index of Biotic Integrity (IBI) scoring system. Wildcat Creek is also listed on the 303(d) list as impaired by Diazinon, a non-point source input from pesticide use.

- **Lack of Open Space:** The City of San Pablo has identified that there is significantly deficiency in green space for the local residents. The City has a park ratio of 0.7 acres of parkland per 1,000 residents, which is significantly below the recommended 3.0 per 1,000 residents. Wildcat Creek remains one of the few natural features in San Pablo's urban landscape. Currently, there is currently no safe access to this area which has made it a target to illegal encampments, illegal dumping and other illicit activities. The proposed Greenway Trail will help to increase the amount of "green" recreational space in the City.
- **Flooding:** The project reach is not prone to flooding due to its very high bank slopes. However, just a few blocks downstream, chronic overbank flooding is a burden for the City's disadvantaged communities. In 2000, the Federal Emergency Management Association (FEMA) expanded its designated 100-year Flood Zone in the City of San Pablo to include 1,200 additional parcels. The City annually removes sediment build-up at strategic locations downstream of the proposed project site to reduce these flood risks.

2. **Goals and objectives.** The goals and objectives should clearly define the expected outcomes and benefits of the project. This grant round is focused on multi-benefit Urban Greening projects in the nine counties of the San Francisco Bay Area. These are projects that provide at least two of the following benefits: increase groundwater recharge, enhance the natural flow of waterways, improve water quality, improve urban watershed health, create or enhance public green space, or expand urban forests. Through this round the Conservancy seeks to support qualifying urban greening projects that meaningfully enhance the ecological function of bay area creeks, watershed and wetlands. With Proposition 1 funds the Conservancy will implement urban greening projects, such as water retention and storage, and shade trees for heat relief, which are layered with other community public benefits consistent with the Conservancy's mandate and authorities.

Project Goals:

- **Enhance natural flow of waterways-** The proposed project will enable the creek to accommodate greater flow volumes, resist erosion, and better transport sediment through the reach. New development in the area will be set back from the creek corridor, with the new right bank slope configuration (2:1 - 3.5:1 slope above a modified floodplain terrace) and plantings providing greater long-term stability and improved creek function/habitat.
- **Improve Water Quality-** The project will minimize hardscape and put a greater emphasis on green restoration. This is aligned with the RWCQB regulatory mandates, which require all runoff be treated by vegetation. The creek restoration includes the thoughtful design of a floodplain terrace and the project will decrease the slope from a 1:1 (vertical: horizontal) to a varying 2:1 to 3.5:1, depending on the location. Laying the slope back from the floodplain bench elevation widens the creek corridor throughout the project area. This translates to over 60,000 sq. feet of plantable space. This new area of native soil and plants will encourage groundwater recharge and use natural bio-filtration methods to treat runoff and improve water quality.
- **Improve watershed urban health-** Interpretive signage and active public use of the trail will further educate the community about natural stream functions, stream dynamics, and ecosystems. This is especially important in this community where Wildcat Creek often receives negative attention associated with flooding, illicit dumping, and hideaways for illegal activities. The project will provide property owners on the opposite bank with a positive example of creekside management. In addition, the project will be planted with native riparian species which will create more habitat for native birds and pollinators. Furthermore, the planned root wads and increased stream complexity will increase the availability of fish habitat.
- **Enhance Green Space-** The Greenway Trail will provide community access to open space along a natural resource that has long been hidden behind fence lines. The trail will provide safe multi-modal access between Church Lane and Vale Road and eventually, the Wildcat Creek trail will connect Wildcat

Canyon Regional Park with the San Francisco Bay Trail, promoting more visitations to these natural resource areas by members of this community.

3. **Project Description.** Describe all of the major project components (i.e., what will actually be done to address the need and achieve the goals and objectives).

The proposed project work includes:

- **Active Channel Width-to-Depth Ratio:** Approximately 2,200 linear feet of creek channel will be restored to establish an active channel width-to-depth ratio that effectively transports sediment throughout out the reach without excessive aggradation or deposition. The final channel dimensions will be informed by earlier geomorphic studies and analyses of nearby restoration projects that have matured over time. Due to private property constraints, the existing meander pattern will likely remain the same.
- **In-Stream Habitat/Complexity:** The channel bed will be designed to promote a more optimum riffle-to-pool ratio (as close to 1:1 as possible) throughout the reach. The 2006 study showed the ratio to be closer to 2:1. In addition, large woody debris and other “natural” snags will be placed strategically to provide refuge for trout.
- **Floodplain Bench/Terrace:** A 5'-15' wide terrace will be excavated into the right bank just above the active channel height. This modified floodplain will allow the channel to accommodate larger flow volumes (reducing downstream flood risks) within its banks, while reducing the erosive energy of the moving water against the left bank. This will improve both water quality and trout habitat by encouraging the deposition of sediments on the terrace rather than in the stream bed, potentially smothering coarse bed materials.
- **Right Bank:** The right bank throughout the project length will be laid back from a 1:1 (vertical: horizontal) slope to a 2:1 - 3.5:1 slope. This grading will greatly stabilize the right bank, which is overly steep in many areas. Laying the slope back from the floodplain bench elevation widens the creek corridor by another 40' on average throughout the project area. This translates to over 60,000 sq feet of plantable space. The graded creek bank will be covered in 100% natural erosion control fabric and hydro-seeded to resist erosion until riparian plantings are established. Areas requiring special treatment may receive soil bioengineering applications and boulders for added stability.
- **Revegetation:** The newly graded right bank will be planted with native riparian trees and shrubs. The toe of the both banks will be staked with at least 1,500 live willow cuttings harvested from local restoration sites. More than 1,200 additional riparian plants (including Big Leaf Maple, Coast Live Oak, Alders, Buckeye, Dogwood, Currant, Gooseberry, and Ninebark) will be planted on the restored right bank. This plant material will be sized in 15 gallon containers or smaller to allow for better adaptation to site conditions as they mature. The plantings will further reduce bank erosion while providing terrestrial and avian habitat.
- **Greenway Trail:** The project will build a pervious pavement trail from Church Lane to Vale Road. This will be a 10 ft wide trail that will qualify as a Class 1 shared path. This trail will connect neighborhoods in San Pablo and Richmond to health services (West County Health Center), the San Pablo Library (construction to be completed in 2017), transit stops for multiple bus lines (L, 669, 72, 679), the San Pablo Church Lane Senior Center, San Pablo City Hall and more. Developing this connected pathway for the local and regional citizens will encourage healthy habits, such as biking to work, which improve individual health benefits but also regional benefits by reducing the cars on the road resulting in less air pollution, less greenhouse gas emissions and assisting the City in meeting their Climate Action Plan goals.

4. **Future Phases.** For planning projects or other projects where future phases are critical to project success, explain the strategy for funding and implementing the future construction phase(s).

If the project is fully funded through this grant or multiple grants, there are no future phases for this stretch. However, this project can be reduced to two or three phases to accommodate funding amounts. The Greenway Trail is part of a larger plan to connect Wildcat Canyon to the San Francisco Bay Trail, therefore there are future reaches of this trail that need to be completed as future phases.

5. **Site Description.** Describe the project site or area, including site characteristics that are tied to your project objectives (i.e.: for acquisition of habitat, describe current vegetation assemblages, condition of habitats, known wildlife migration corridors, etc.). When relevant, include ownership and management information.

The site is currently owned and managed by the City of San Pablo. When this City purchased and subdivided the site the City created Lot 6 and Lot 7 to allow for future restoration of the creek and development of a greenway trail (Attachment 3). Currently the creek in this stretch is severely degraded and a detailed site description was provided in Question 1, "Need for Project." Attachment 3 provides a map of the current creek conditions and Attachment 6 provides photos of the current conditions.

The larger 18 acre subdivision is part of a redevelopment site called Plaza San Pablo. Plaza San Pablo is identified as being a new high-intensity mixed-use destination in an area with high growth potential. The site designation aims to establish a major new activity center and new citywide and regional destination for the City of San Pablo. Uses may include West County Health Center, San Pablo Library, San Pablo City Hall, commercial office (including medical offices), residential, institutional, and hotel.

6. **Specific Tasks.** Identify the specific tasks that will be undertaken and the work that will be accomplished for each task.

#	Task Name	Description
1	Project Administration	The City of San Pablo will appoint a project manager to deliver the project. This person would coordinate with the grant agencies, contractors and the City to deliver a project that is timely and on budget.
2	Pre-Implementation (Design, Public Meetings and Permits)	<p>This task involves developing RFPs for design, scheduling public meetings/notices and obtaining the required permits.</p> <p>The project has already completed the concept design and the 35% design phase for the first 700 feet of the project (Attachment 7). The City of San Pablo has already purchased the land for Plaza San Pablo and subdivided the Lots so that Lot 6 and Lot 7 could be reserved for Wildcat Creek restoration and a creekside trail. Recently the City has purchased 2023 Vale Road and current plans are to ensure the restoration and trail is complete from the Church Land to Vale Road as part of this project.</p> <p>The next steps for this project would be to complete the 35% design for the remainder of the project area. At this point the City would hold community workshops to gather input from local residents and business owners. After gaining input from the community the design would be continued to the 90% stage. A second community workshop would be held at the 90% stage to share project design and construction process information. While the design process is occurring the City would also be working on all of the required permits for the project. It is estimated that project construction could occur approximately one year after funding is awarded, more information on a project timeline is provided in Attachment 5.</p>

3	Pre-Construction (RFP, Selection Mobilization)	After final design has been approved and all required permits are obtained the Project Manager would release the RFP and award the contract for construction of the project in accordance with grant and City requirements.
4	Construction	<p>Construction of the project can be divided into the following stages:</p> <ul style="list-style-type: none"> • Site Preparation • Demolition/Excavation • In-Stream/Right Bank Grading • Creek Channel Features • Soil Bioengineering • Site Revegetation • Trail development <p>It is estimated that project construction could be completed in approximately one year, more information on a project timeline is provided in Attachment 5.</p>
5	Post Construction	After completion of the project the City will monitor the project in accordance with the permit requirements, as described further in Question 8 "Measuring Success."

7. **Work Products.** List the specific work products or other deliverables that the project will result in.

1. **Quarterly Progress Reports** - Quarterly Progress Reports (QPRs) will be provided to the Coastal Conservancy with the status, accomplishments and challenges over that reporting period and pictures when applicable.
2. **35%, 90% and Final Design**- The Coastal Conservancy will receive the 35%, 90% and final design after approved.
3. **Environmental Review and CEQA**- The Coastal Conservancy will be notified through the QPRs when the environmental review and permits are completed.
4. **Project Construction**- The Coastal Conservancy will be notified when construction begins and the progress of construction through the QPRs.
5. **Education Signs**- The Coastal Conservancy will be notified with pictures of the educational signs through the QPRs.
6. **Presentations and Education Sessions**- The Coastal Conservancy will be invited to attend the public meetings, project ribbon cutting and education sessions that occur with The Watershed Project and Earth Team. Meeting summaries and pictures of the events will also be provided in the QPRs.

8. **Measuring Success.** For projects involving restoration, construction or land acquisition, describe the plan for monitoring, evaluating and reporting project effectiveness, and implementing adaptive management strategies if necessary. Applications must identify who will be responsible for funding and implementing ongoing management and monitoring and how it will be paid for.

After completion of the project the City will monitor the project in accordance with the permit requirements. This monitoring will be funded by the City of San Pablo through the general fund. The specific length and success criteria for the ongoing monitoring will be determined by the permits that are issued from the Regional Water Quality Control Board (RWQCB), California Department of Fish and Wildlife (CDFW), and the U.S. Army Corps of Engineers (USACE). From previous similar projects in Wildcat Creek it is typical that the CDFW and USACE will not require monitoring after the construction of the project has been completed. However, the RWQCB typically requires between 5-10 years of monitoring after completion to ensure that geomorphic stability of the creek and the survival rate of the plants. The City will always adjust the current monitoring plans to meet permit requirements, however below is the typical monitoring approach the City will adhere to:

- Review of current species and condition of the project site.
- Review of the proposed species the number of trees with a qualified professional to ensure maximum success of the project.

- Meet with the landscape contractor to review plant establishment and provide recommendations regarding cultivation and irrigation.
- Conduct a final walk-through with the landscape contractor to review the performance.
- Conduct twice annual monitoring of the site to evaluate plant growth, count survival rates of plants, identify any conditions that threaten the success establishment of plantings and provide recommendations for maintenance activities at the site.
- The restoration monitor(s) will establish a number of photo-documentation points from which annual growth conditions can be compared and documented.
- Monitoring will also occur to verify that the channel design and construction are functioning as intended. This creek channel stability and geomorphic monitoring will include visual assessment of the stability of the channel, photo-documentation points from which annual conditions can be compared and documented and cross-sectional surveys at specific points to be determined by the permits.
- In addition, the monitor(s) will note other observations on the site such as vandalism, ineffective irrigation, wildlife, etc.
- Annual reports will be submitted to the City and to the relevant permitting agencies.

9. **Project Maps and Graphics.** Provide the following project graphics with your application. Project maps and design plans should be combined into one pdf file with a maximum size of 10 MB. Project photos should be provided in jpg format.

- Regional Map – Clearly identify the project's location in relation to prominent area features and significant natural and recreational resources, including regional trails and protected lands.
- Site-scale map – Show the location of project elements in relation to natural and man-made features on-site or nearby. Any key features discussed in project description should be shown.
- Design Plan – Construction projects should include one or more design drawings or graphics indicating the intended site improvements.
- Site Photos – One or more clear photos of the project site

See Attachments 2-7 for all project maps and graphics.

10. **Storm water Resource Plan (if applicable).** A project is a storm water capture project if its primary purpose is to intercept, store, manage, and use storm water and dry weather runoff, thereby reducing the volume of runoff exiting a site. Storm water capture project, it is only eligible for Prop 1 funding if the local public agency has a Storm Water Resource Plan certified by the State Water Resource Control Board (State Board). The State Board has adopted [guidelines](#) for development of Storm Water Resource Plans.

If your project is a storm water capture project, please provide the name of the approved Storm Water Resource Plan and explain in one paragraph how the project is consistent with that plan.

A Storm water Resource Plan is not required for this project.



GRANT APPLICATION – PRELIMINARY BUDGET AND SCHEDULE

In the budget matrix below, relist the tasks identified in #4 above and for each provide: 1) the estimated completion date for the task, 2) the estimated cost of the task, and 3) the funding sources (applicant, Conservancy, and other) for the task. The table will automatically sum the totals for each row and column. To do this, highlight the whole table and hit F9.

			REQUEST	MATCHING FUNDS		
Task #	Task	Completion Date	Coastal Conservancy	Applicant's Funding (includes in-kind)	Other Funds	Total Cost
1	Project Administration	12/2020		\$30,000		\$30,000
2.1	Design	10/2018	\$430,126	\$35,000		\$465,126
2.2	Public Outreach	10/2018	\$16,500			\$16,500
2.3	Permits	10/2018	\$33,000			\$33,000
3	Mobilization and Construction Management	12/2019	\$356,051			\$356,051
4.1	Site Preparation	03/2019	\$87,120			\$87,120
4.2	Demolition/Excavation	10/2019	\$511,115			\$511,115
4.3	In-Stream/Right Bank Grading	10/2019	\$336,380			\$336,380
4.4	Creek Channel Features	10/2019	\$76,120			\$76,120
4.5	Soil Bioengineering	12/2019	\$33,550			\$33,550
4.6	Site Revegetation	12/2019	\$335,280			\$335,280
4.7	Trail Development	12/2019	\$1,089,502	\$22,000		\$1,111,502
5	Post Construction Monitoring (1 yr.)	12/2020	\$0	\$15,000		\$15,000
TOTAL			\$3,304,744	\$102,000	\$0	\$3,406,744

Categories of Matching Funds

Please divide total Applicant Funding and Other Funding into the following categories:

Applicant Funds		Other Funds	
Cash	\$72,000	State	\$0
In kind	\$30,000	Non State	\$0
Total (should equal total above)	\$102,000	Total (should equal total above)	\$0

In kind match could include donated: staff time, volunteer time, donated materials, bargain sales, etc.

PROPOSITION 1 GRANT APPLICATION – ADDITIONAL INFORMATION

For each question unless otherwise specified, please limit your answer to one concise paragraph. See grant application instructions for more information. Questions should be answered by all applicants, enter “not applicable” if a specific question does not pertain to your project.

1. **Proposition 1 Goals.** Which of the following purposes of Chapter 6 of Proposition 1 are achieved by the project (check all that apply):

- Protect and increase the economic benefits arising from healthy watersheds, fishery resources and in-stream flow.
- Implement watershed adaptation projects for which Grantee has consulted with the state and local conservation corps and included their services if feasible (for restoration and ecosystem protection projects only). Grantees must submit a completed Corps Consultation Review Document. The process for obtaining this required consultation is described in Appendix D.
- Restore river parkways throughout the state, including but not limited to projects pursuant to the California River Parkways Act of 2004 and urban river greenways.
- Protect and restore aquatic, wetland and migratory bird ecosystems including fish and wildlife corridors and the acquisition of water rights for in-stream flow.
- Fulfill the obligations of the state of California in complying with the terms of multiparty settlement agreements related to water resources.
- Remove barriers to fish passage.
- Collaborate with federal agencies in the protection of fish native to California and wetlands in the central valley of California.
- Implement fuel treatment projects to reduce wildfire risks, protect watersheds tributary to water storage facilities and promote watershed health.
- Protect and restore rural and urban watershed health to improve watershed storage capacity, forest health, protection of life and property, storm water resource management, and greenhouse gas reduction.
- Protect and restore coastal watersheds including but not limited to, bays, marine estuaries, and near shore ecosystems.
- Reduce pollution or contamination of rivers, lakes, streams, or coastal waters, prevent and remediate mercury contamination from legacy mines, and protect or restore natural system functions that contribute to water supply, water quality, or flood management.
- Assist in the recovery of endangered, threatened, or migratory species by improving watershed health, instream flows, fish passage, coastal or inland wetland restoration, or other means, such as natural community conservation plan and habitat conservation plan implementation.
- Assist in water-related agricultural sustainability projects.

2. **Regional Significance:** Describe the regional significance of the project. Through this round the Conservancy seeks to support qualifying urban greening projects, such as water retention and storage, and shade trees for heat relief, which are layered with other community public benefits consistent with the Conservancy's mandate and authorities.

This project is part of a large effort to restore Wildcat Creek and establish and connected bike trail between Wildcat Canyon and the San Francisco Bay Trail. This project would restore approximately 2,200 linear feet of Wildcat Creek between Church Lane and Vale Road. In addition, the project would provide a trail to increase cycling and reduce road traffic, plant over 2,000 native species to shade the path and neighboring buildings, provide safe area for health exercise habits for residents in a low income community with the third highest childhood obesity rates in the state and provide an "outdoor classroom" for our local non-profits to teach students about the local environment and restoration management job skills.

3. **Sustainability.** Described how the project will deliver sustainable outcomes in the long-term. Who will operate and maintain the project?

City maintenance staff are very experienced in providing vegetation maintenance similar programs and have three current creek restoration sites. For similar projects the City has used consults to perform annual monitoring on the sites. At the beginning of the project consultants have provided the City maintenance staff with maintenance manuals and Native Species and Invasive Species Pocket Guides to help the maintenance crew identify the "good" and "bad" plants for nurturing or removal. After each monitoring event the consultant also provides the City with a memo of any additional recommended maintenance activities, which are completed by the maintenance crew.

Programmatic Capability and Past Performance- Example Projects

- Rumrill Bridge Mitigation- As part of a bridge revitalization project a Streambed Alteration Agreement was authorized and a mitigation plan was established to compensate for the impacts on riparian vegetation. Year 5 of the 5 year monitoring program was completed in 2016 and the City passed all survivorship categories of 80% survivorship of all plants and 75% cover after 5 years. In 2016 the project reported 85% survival rate for all planting and 231% cover.
- Davis Park Daylighting Project- This project day-lighted a 450 feet section of Wildcat Creek to benefit anadromous fish and completed a critical quarter mile of the Wildcat Creek Trail. The project is in its fourth year of maintenance and recently was visited by staff members of the Regional Water Quality Control Board who were impressed with the project and commented on the project's success with a 240% survival rate for trees in the project. This project also involved geomorphic monitoring which to date has not revealed any significant instability of geomorphic issues at the site.
- 23rd Street Trail at Wildcat Creek- The project included a trail, pedestrian bridge, lighting, safety improvement and riparian habitat restoration. This project is in its first year of monitoring however it was also visited by the Regional Water Quality Control Board staff who commented on how well the project trees were doing in such a short period of time.

The ongoing maintenance of the project will be funded through the City's general fund. The City is also looking to expand working with its creek group and local non-profit organizations. One way the City would like to involve local groups would be to create an "adopt a spot" program with organizations like Earth Team and The Watershed Projects for assistance in ongoing maintenance of these sites. The "adopt a spot program" is not something that would be funded through the Coastal Conservancy grant application.

4. **Disadvantaged Communities.** Does the project benefit a disadvantaged community? Proposition 1 defines a disadvantaged community as "a community with an annual median household income that is less than 80 percent of the statewide annual median household income." (CA Water Code Section 79505.5.) The Department of Water Resources has developed an online [map viewer](#) which shows

the maps of California's disadvantaged communities, based on census data including the American Community Survey. Communities are defined at different geographic scales, including county, census tract and census place.

Please indicate if the project is located in a disadvantaged community. Whether or not the project is in a disadvantaged community, it may provide benefits to one. If the project benefits a disadvantaged community, please explain (job training, clean water, etc.)

This project is located entirely in a Disadvantage Community Block Group, a Severely Disadvantaged Community Tract and a Disadvantaged Community Place. **The California State Parks Community Fact Finder Report has determined that within half a mile from the project site 15% of the population lives below the poverty line and the median household income of the area is \$39,988 (Attachment 5).**

The City plans to pilot an innovative way for long term management and monitoring of the site. From previous restoration projects the City has experienced permits from the RWQCB that can require monitoring as long as ten years. Hiring consultants for ten years of annual monitoring can be a costly endeavor that can limit the number of actual projects a City can implement. **To reduce costs City staff has been consulting with RWQCB staff about using a qualified consultant for the first 3 years of the monitoring, then transferring the monitoring to local students for the remainder of the term. The City plans to partner with local non-profits, Earth Team and The Watershed Project, to have local students trained in plant identification, survival counts, cross-section analysis, percent cover analysis and any other compliance requirements as established by regulatory permits. The students would perform the monitoring and provide the City and regulatory agencies with an annual report.** This pilot project will teach student job skills, connect locals to the streams in their area, provide education and awareness of local issues and reduce costs for the City.

5. **Consistency with State Coastal Conservancy Strategic Plan (as revised June 2015):** Identify which goals and objectives of the California State Coastal Conservancy the project will promote or implement and quantify how much progress the project will make towards the Conservancy's numeric goals for each cited objective.
 - ***Goal 2, Goal 11 & Goal 12-*** This segment greenway trail is one portion of the larger Wildcat Creek Trail. This Wildcat Creek Trail is identified in the 2009 Contra Costa Countywide Bicycle and Pedestrian Plan and the San Francisco Bay Trail Plans. This is a major segment of this uncompleted trail that will connect residents from the San Francisco Bay Trail in Richmond, through the communities of North Richmond and San Pablo to ultimately end in the Wildcat Canyon Regional Park.
 - ***Goal 5, Goal 11 & Goal 12-*** Wildcat Creek historically supported a steelhead run, but degradation of habitat and construction of passage barriers from urbanization likely resulted in their extirpation and then reintroduced in 1983. There have been regional efforts to improve Wildcat Creek and remove fish passage barriers and this project would be another effort in this endeavor. The project plans to develop stream habitat/complexity to increase the creek's viable fish habitat and install root wads to develop more habitat for fish. This project will also improve the overall habitat through the removal of non-native and invasive species and replace them with native species.
 - ***Goal 7-*** This project improves the local community's resiliency to the effects of climate change through the development of a 5'-15' wide terrace to be excavated into the right bank just above the active channel height. **This modified floodplain will allow the channel to accommodate larger flow volumes which has the potential to reduce local area flooding and will reduce downstream flood risks.**
 - ***Goal 9-*** The project will install interpretive signs throughout the reach to help educate the community on the importance of water and creek resources. The project will create a space for local non-profits to use for education and job training.
 - ***Goal 10, Goal 11 & Goal 12-*** When acquiring and subdividing the land between Church Land and Vale Road the City specifically created Lot 6 and Lot 7 for the development of the Wildcat Creek Restoration

and Greenway Trail. This would ensure the space for a trail and that the public would have access to this area for recreational and educational purposes.

6. Consistency with California Water Action Plan.

- a. Identify which goals of the California Water Action plan the project will promote or implement.
 - Action 2- This project is located in a disadvantaged community and if awarded funds this project would be providing assistance to Disadvantaged Communities. This project provides multi-benefits including habitat restoration, improved water quality and additional recreational space.
 - Action 4- This project will improve habitat for fish migration.
 - Action 8- The flood terrace in the project increases flood protection.
- b. Identify the Integrated Watershed Management Plan(s) and/or any other regional or watershed plans that apply to the specific project area. For each, list those goals, objectives, priority actions, etc. that the project will promote or implement.
 - The project is part of Bay Area Integrated Regional Water Management Plan (IRWMP). It meets the IRWM goals of Flood and Stormwater Management and Resource Stewardship.
 - The San Francisco Bay Trail Plans list the completion of the connection between Wildcat Canyon and the Bay Trail
 - The 2009 Contra Costa Countywide Bicycle and Pedestrian Plan (Item 1018) list the completion of the connection between Wildcat Canyon and the Bay Trail

7. Consistency with Other State Plans.

If the proposed project will help to implement or promote the goals of any of the other State Plans listed below, check that plan and specify which goals, objectives, priority actions, etc. will be furthered by the project in 1-3 sentences.

California @ 50 Million: The Environmental Goals and Policy Report

This project promotes the ***Build a Resilient and Sustainable Water System Goal*** by building resilience into natural systems through the development of the terraced floodplain and green infrastructure through the pervious pavement trail.

CA Climate Adaptation Strategy/Safeguarding California: Reducing Climate Risk Plan

This project will help to meet the goal of connecting rivers to their floodplains and provide more natural floodplain features and functions that slow, spread, capture, and infiltrate floodwaters through the deployment of the terraced floodplain. This project will show how this can be done in a highly urbanized area with limited space.

CA Wildlife Action Plan

The project will help implement Goal 2- Enhance Ecosystem Conditions by removing non-native/invasive plant species and replacing them with native species which will enhance ecosystem conditions. This project will also improve the creek system to support native fish. Goal 3- Enhance Ecosystem Functions will also be met through this project by restoring the creek to a more natural state by removing manmade structures and establishing a flood terrace to resist erosion and better transport sediment through the reach.

California Aquatic Invasive Species Management Plan

California Essential Habitat Connectivity Strategy for Conserving a Connected California

State and Federal Species Recovery Plans (specify the plan)

- Habitat Conservation Plans/Natural Community Conservation Plans (specify the plan)
- California Coastal Sediment Management Master Plan
- Completing the California Coastal Trail
- Other relevant state or regional plan(s) (specify the plan)-
- 2009 Contra Costa Countywide Bicycle and Pedestrian Plan (Item 1018, The San Francisco Bay Trail through the implementation of the Wildcat Trail.
 - Wildcat Creek Restoration Action Plan (WRAP)- The City is the local land use authority and both the San Pablo Specific Plan and the Wildcat Creek Watershed Restoration Action Plan recommend the restoration project and greenway trail as desired elements for the community.
 - Diversity Stratum for California Coastal Multispecies Plan- This project would assist this plan through habitat recovery for steelhead on Wildcat Creek.

8. **Best Available Science.** Describe how the project is consistent with best available science.

The project design is founded on the well-established principals of fluvial geomorphology for trout-bearing streams, hydraulic modeling, and urban ecology. The project design will include side- or off-channel habitat features that have been proven to enhance trout populations in streams all over California (side channels, large woody debris, channel complexity, cold water summer pools). The City of San Pablo and its design consultants have and will continue to review related case studies to assist in the design of habitat conditions that will support anadromous fish. The channel design has been and will continue to be modeled and tested for both flood conveyance and geomorphic stability using up-to-date HEC-RAS modeling technology.

Most importantly, the planting palette for the project is based on years of scientific studies that the City of San Pablo has commissioned to track survival and health of riparian plants at its other Creek restoration projects (e.g., Wildcat Creek Daylighting at Davis Park, Wildcat Creek Restoration at Church Lane, Wildcat Creek Restoration at Rumrill, San Pablo Creek at Rumrill). These studies will help select the heartiest and toughest plants that have proven to provide durable habitat in similar soils, hydrology, and urban conditions as the Plaza San Pablo project.

9. **Sea Level Rise Vulnerability:** If the project involves a site that is close to a shoreline (i.e. potentially flooded or eroded due to climate change), please identify vulnerabilities of the site in relation to flooding, erosion, and sea level rise/storm surges for the years 2050 and 2100 (assume 16 inches and 55 inches of sea level rise respectively). Describe any strategies you have considered for addressing Sea Level Rise. Specify the expected lifespan or duration of the project.

The City of San Pablo is approximately 1.3 miles from the bay shoreline and Wildcat Creek experiences tidal influences. The most significant protection against the impact of climate change/sea level rise would be to ability of local resilience and adaptation to extreme events, specifically flooding. The proposed project is in an area identified as a FEMA Special Flood Hazard Area 500 and 100 Year Flood Zone (also known as 0.2% Annual Chance Flood Hazard). The project proposes a 5'-15' wide terrace to be excavated into the right bank just above the active channel height. This modified floodplain will allow the channel to accommodate larger flow volumes which has the potential to reduce local area flooding and will reducing downstream flood risks. This will enable the creek to accommodate greater flow volumes, resist erosion, and better transport sediment through the reach. New development in the area will be set back from the creek corridor, with the new right bank slope configuration (2:1 - 3.5:1 slope or gentler above a modified floodplain terrace) and plantings providing greater long-term stability and improved creek function/habitat. Since Wildcat Creek has tidal influences the above mentioned floodplain terrace could help to mitigate future flooding due to sea level rise.

10. Vulnerability from Climate Change Impacts Other than Sea Level Rise: Using appropriate models, predictions or trends, describe how the project objectives or project may be vulnerable to impacts (fire, drought, species and habitat loss, etc.) from climate change, other than sea level rise, coastal erosion or flooding. Identify design, siting, or other measures incorporated into the project to reduce these vulnerabilities.

Wildcat Creek is highly susceptible to the impacts of climate change. Climate change will likely increase short duration rainfall intensities and exacerbate stormwater flooding along Wildcat Creek. This project will design has addressed this vulnerability by providing a widened, green, vegetated channel that will convey flood flows safely downstream. The marginal increase in storage in this reach will also provide benefits to frequently flooded areas downstream that will only worsen with climate change. Lowered water surface elevations in the creek will also reduce street flooding resulting from backwatering of stormwater drains.

At the opposite end of the climate spectrum, climate change could dramatically increase summer ambient air and water temperatures in creeks. **This project is designed to provide cold-water refuge (pools) for anticipated steelhead trout summering over in the channel. This reach is the only reach with significant summer pools and the added channel complexity and channel vegetation will provide cold water refuge for intended species.**

11. Environmental Review: Projects funded by the Coastal Conservancy must be reviewed in accordance with the California Environmental Quality Act (“CEQA”). CEQA does not apply to projects that will not have either a direct or indirect effect on the environment. For all other projects, if the project is statutorily or categorically exempt under CEQA, no further review is necessary. If the proposed project is not exempt, it must be evaluated by a public agency that is issuing a permit, providing funding, or approving the project, to determine whether the activities may have a significant effect on the environment. The evaluation results in a “Negative Declaration (Neg Dec),” “Mitigated Negative Declaration (MND),” or “Environmental Impact Report.”

The proposed project... (select the appropriate answer):

- Is not a project under CEQA. Briefly specify why.
- Is exempt under CEQA. Provide the CEQA exemption number and specify how the project meets the terms of the exemption.**

The proposed project completed CEQA review in 2013 (Attachment 5) and it was determined to be categorically exempt in accordance with Sections 15304 and 15333 of the CEQA Guidelines, on the basis that this project involves minor alterations to land and small habitat restoration.

- Requires Neg Dec, MND, or EIR. Specify the lead CEQA agency (the agency preparing the document) and the (expected) completion date. Please note that the Conservancy will need to review and approve any CEQA document. For more information on CEQA, visit: http://ceres.ca.gov/topic/env_law/ceqa/flowchart/index.html .

12. Willing Seller: Projects that involve acquisition of property must involve a willing seller. If your project includes property acquisition, please describe the status and expected conclusion of landowner negotiations.

Not Applicable.

13. Project and Applicant History: Provide a history of the project, and any background information not provided in the project description. Is the project related to any previous or proposed Coastal Conservancy projects? If so, which ones and how are they related?

The City has applied to two grant agencies for the implementation of this project, which are still under review (California Natural Resources Agency for the implementation of the creek restoration and OBAG for trail implementation). If the project is unable to be fully funded by any or all of these grant opportunities then it can be reduced to two or three phases.

A major aspect of this project is the Greenway Trail however, if the Coastal Conservancy determines this is not an eligible item for the Prop 1 funding, it can be removed and installed at a later date. The project has been specifically designed to treat the trail and restoration as two separate items or one large project, depending on the funding amount and source(s).

Project	Creek Restoration	Trail	Match	Total
Creek Restoration and Greenway Trail Project Breakdown	\$1,848,165	\$1,495,079	\$102,000	\$3,445,244

While it is understood that current land value is not a matching source for the project, this City feels it is important to identify that when the City developed the plans and Lot adjustments for Plaza San Pablo Lots 6 and 7 were specifically created to be able to perform creek restoration and a greenway trail. If the City would have encompassed this area as part of the adjacent Lots additional funds could have been acquired when sold to developers. In 2014, Lot 5 was assessed at \$30 per square foot, which means these two lots would have been worth over \$3.3 million. This demonstrates the City's commitment with significant funds already invested to ensure this project would occur.

14. Support: List the public agencies, non-profit organizations, elected officials, and other entities and individuals that support the project.

- San Francisco Bay Regional Water Quality Control Board
- Earth Team
- San Pablo and Wildcat Creek Watershed Council
- The Watershed Project

15. New Technology. Does the project employ new or innovative technology or practices? If yes, describe those technologies and/or practices.

This project aims to use natural material and techniques wherever possible. The restoration management techniques include soil bioengineering with live in-bed plant materials for stability and increased water quality. No concrete is planned for the project, however the project may require rock to be bounded at the toe to prevent scour and bank failure. One innovative method planned for the project is in stream root wads to develop more habitat for fish. This technique is common for rural restoration projects but rarely seen in urban streams with restoration. The City also plans to pilot an innovative way for long term management and monitoring of the site this is explained further in the Question 4 (page 11).

16. Need for Conservancy Funds: What would happen to the project if no funds were available from the Conservancy? What project opportunities or benefits could be lost and why if the project is not implemented in the near future?

Now is the most opportune time to restore the creek before access becomes more challenging. The properties adjacent to the site are currently undeveloped providing easy access. However, the adjacent area (Plaza San Pablo) is currently undergoing negotiations for development, which is expected to start in 2018. The consequences in not completing the project include the collapse of the existing gabion wall and the continued burdening of the creek already suffering from heavy sediment deposits. Without the restoration project as a guide, left bank property owners are more likely to attempt further uncoordinated and unpermitted activities to armor their banks. Often these armoring efforts are counterproductive, leading to increased erosion on the opposite bank or further downstream.

17. Greenhouse Gas Emissions/Climate Change: If the proposed project will result in production of greenhouse gas emissions (including construction impacts and vehicle miles travelled as part of a public access component), describe the measures your project includes to reduce, minimize or avoid greenhouse gas emissions through project design, implementation construction, or maintenance. What, if any, are the possible sources or sinks of greenhouse gases for your project, such as carbon sequestration from habitats at the site? If one of the project goals is to sequester carbon (reduce greenhouse gas concentrations), how do you intend to ensure continued long term sequestration while achieving project objectives? Do you have any plans to seek carbon credits for the carbon sequestration activities on the project site?

This project will help to reduce greenhouse gas emissions by:

- Increased pedestrian and bike modes of transport- Developing this connected pathway for the local and regional citizens will encourage healthy habits, such as biking to work, which improve individual health benefits but also regional benefits by reducing the cars on the road resulting in less air pollution, less greenhouse gas emissions and assisting the City in meeting their Climate Action Plan goals.
- Carbon Storage and Sequestration- As trees grow they remove carbon from the atmosphere and store and sequester it. There are no currently plans to seek carbon credits for the project.
- Energy Efficiency- Studies by the Lawrence Berkeley National Laboratory and Sacramento Municipal Utility District have shown that by planting trees near buildings those buildings could see A/C energy savings ranging from 7%-47%. A USDA Forest Service study showed annual cooling of 1% per tree planted within 10 feet of a building. The future developments at the Plaza San Pablo site will likely see these energy saving benefits from the increased trees in project.
- The project will plant over 2,500 native riparian tree and plant species which can help to reduce the urban island heat effect. A study on Microclimate Modification has calculated the effect of trees on air temperature. The study found that evapotranspiration translates into a cooling potential of 230,000 kcal/day, which is the primary cause of a 5-degree F difference in peak temperature in suburban areas with and without tree canopy cover. (Geiger, R., The Climate Near the Ground. Fourth Edition. Harvard University Press, Cambridge. 1957).

**GRANT APPLICATION CHECKLIST**

A complete application will consist of the following files:

- Grant application form (in Microsoft word or rtf format), includes:
 - Cover page
 - Project description
 - Preliminary budget and schedule
 - Prop 1 questions
- Project maps and design plans (in one pdf file, 10 MB maximum size)
- Project photos (in jpg format)
- Conservation Corps Consultation Review Document (Attachment 1 below) sign by the Corps

Applications should be emailed to: grants@scc.ca.gov. Emails larger than 10MB total will be rejected by our server. If your email exceeds 10MB, please send in separate files.

If you are unable to email your application, you may send the electronic files on a CD or other common electronic storage device. Mail the files to:

State Coastal Conservancy 1515 Clay St., Suite 100 Oakland, CA 94612

Grant applications must be received by the Coastal Conservancy by 5pm on Feb. 17, 2017.

*Attachment 1 – Conservation Corps
Consultation*

California Association of Local Conservation Corps

Proposition 1 – Water Bond

Consultation Review Document

Applicant has submitted the required information by email to the Local Conservation Corps (CALCC):

✓Yes (applicant has submitted all necessary information to CALCC)

After consulting with the project applicant, the CALCC has determined the following:

✓It is feasible for CALCC to be used on the project (deemed compliant)

California Conservation Corps and Certified Community Conservation Corps
Proposition 1 - Water Bond
Corps Consultation Review Document
2016

Unless an exempted project, this Corps Consultation Review Document must be completed by California Conservation Corps and Community Conservation Corps staff and accompany applications for projects or grants seeking funds through Proposition 1, Chapter 6, Protecting Rivers, Lakes, Streams, Coastal Waters and Watersheds. Non-exempt applications that do not include this document demonstrating that the Corps have been consulted will be deemed “noncompliant” and will not be considered for funding.

1. Name of Applicant: City of San Pablo

Project Title: Wildcat Creek Restoration and Greenway Trail Project

Department/Conservancy to which you are applying for funding: **Coastal Conservancy**

To be completed by Applicant:

Is this application solely for planning or acquisition?

- Yes (application is exempt from the requirement to consult with the Corps)
 X No (proceed to #2)

To be completed by Corps:

This Consultation Review Document is being prepared by:

- The California Conservation Corps (CCC)
 □ California Association of Local Conservation Corps (CALCC)

2. Applicant has submitted the required information by email to the California Conservation Corps (CCC) and California Association of Local Conservation Corps (CALCC):

- Yes (applicant has submitted all necessary information to CCC and CALCC)
 □ No (applicant has not submitted all information or did not submit information to both Corps – application is deemed non-compliant)

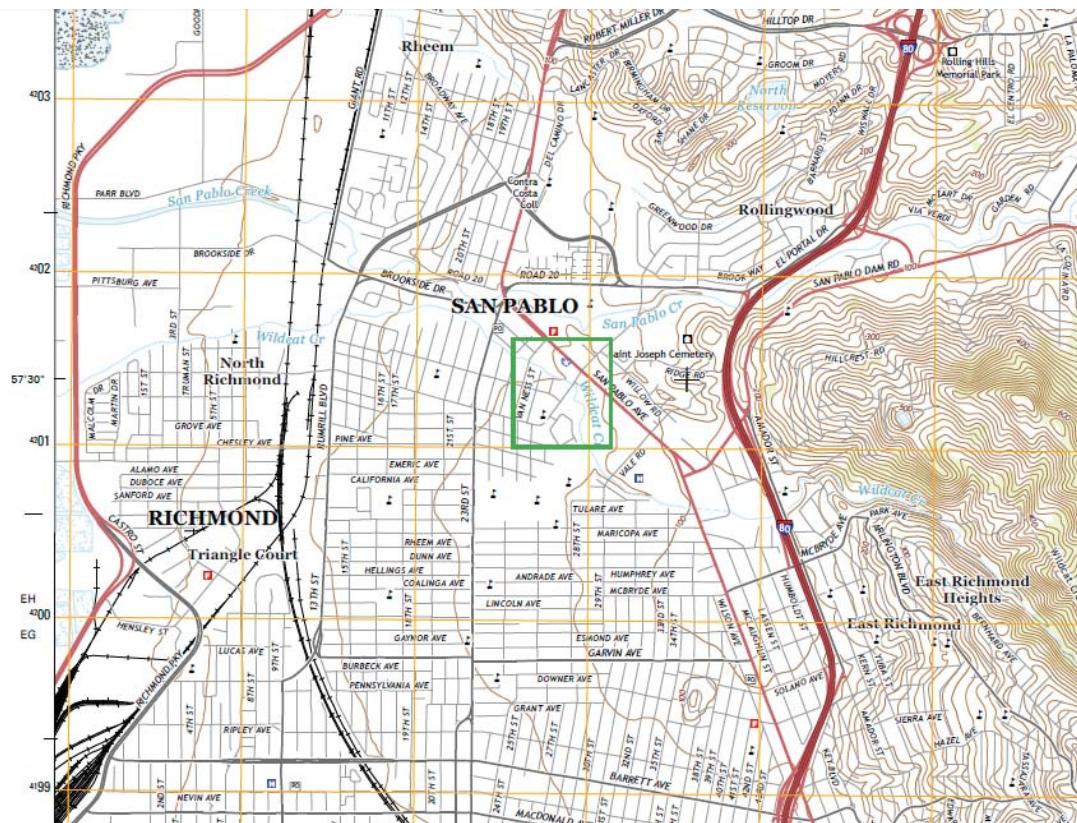
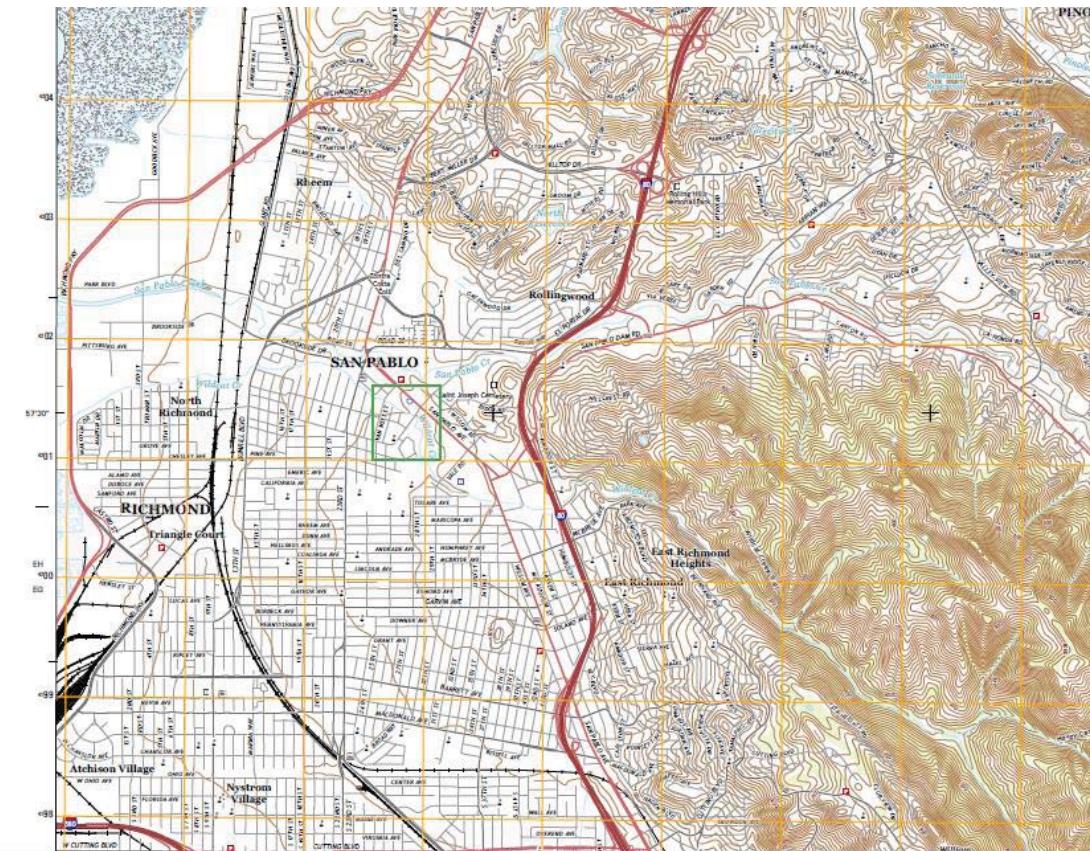
3. After consulting with the project applicant, the CCC and CALCC has determined the following:

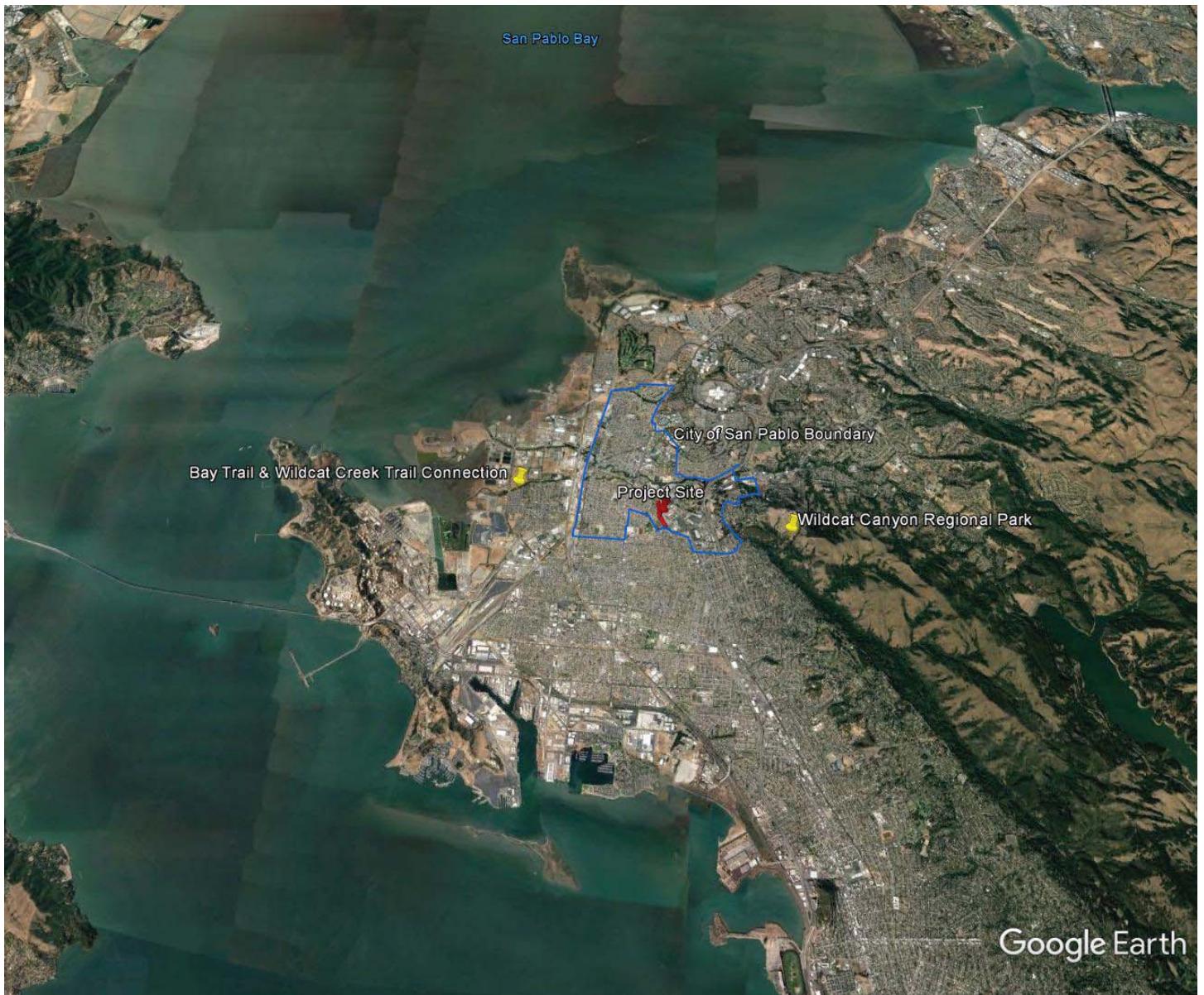
- It is NOT feasible for CCC and/or certified community conservation corps services to be used on the project (deemed compliant)
 □ It is feasible for the CCC and/or certified community conservation corps services to be used on the project and the following aspects of the project can be accomplished with Corps services (deemed compliant).

Attachment 2- Regional Maps

- *USGS Quad Maps*
- *Regional Google Earth Map*

USGS 1:24,000 Scale Quad Map – Zoomed to Project Area





Google Earth

miles
km

5

9



Attachment 3 - Site-Scale Map

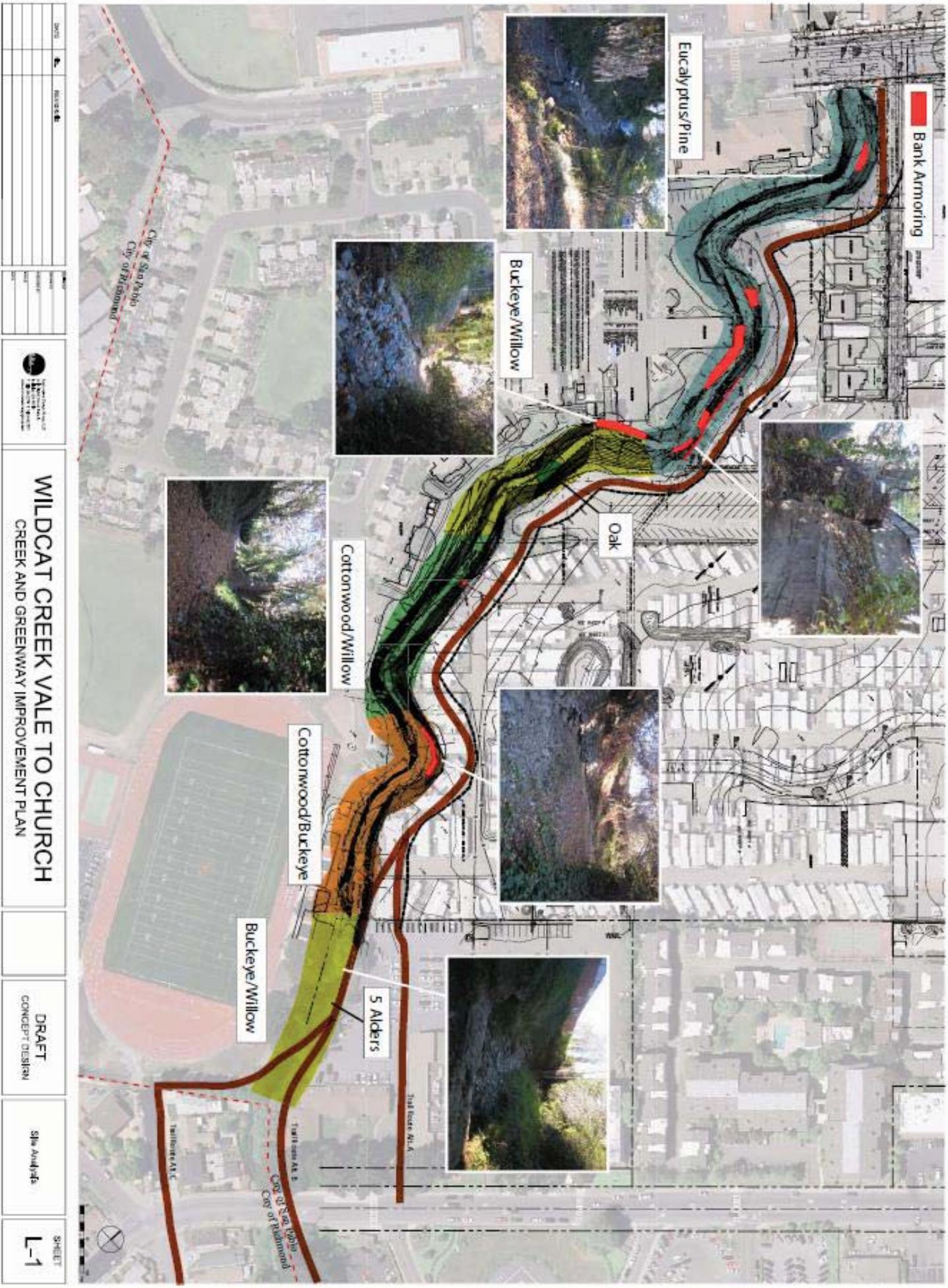
- *Site Map with Local Features*
- *Site Map with Current Creek Conditions*
- *Site Plant Lists*
- *Subdivision Map*



Google Earth

feet | 1000
meters | 400





3. Site Plan- Current and Potential Plant Lists

Current Species

Below is the list of current dominate species along Wildcat Creek.

Current Plants Common to Wildcat Creek
Alders (<i>Alnus rhombifolia</i>)
Algerian ivy (<i>Hedera canariensis</i>)
Arroyo Willow (<i>Salix lasiolepis</i>)
Bristly ox-tongue (<i>Helminthotheca echioides</i> [formerly <i>Picris e.</i>])
Bull thistle (<i>Cirsium vulgare</i>)
Burclover (<i>Medicago polymorpha</i>)
Cal. Buckeye (<i>Aesculus californica</i>)
Cape ivy (<i>Delairea odorata</i>)
Coast live oak (<i>Quercus agrifolia</i>)
Cottonwood (<i>Populus fremontii</i>)
Erect veldtgrass (<i>Ehrharta erecta</i>)
Eucalyptus (<i>Eucalyptus globulus</i>)
Field mustard (<i>Hirschfeldia incana</i>)
French broom (<i>Genista monspessulana</i>)
Himalayan blackberry (<i>Rubus armeniacus</i> [formerly <i>R. discolor</i>])
Hyssop loosestrife (<i>Lythrum hyssopifolium</i>)
Italian ryegrass (<i>Festuca perennis</i> [formerly <i>Lolium multiflorum</i> and <i>L. perenne</i>])
Monterey pine (<i>Pinus radiata</i>)
Periwinkle (<i>Vinca major</i>)
Poison hemlock (<i>Conium maculatum</i>)
Smilograss (<i>Stipa miliacea</i> [formerly <i>Piptatherum miliaceum</i>])
Sweet fennel (<i>Foeniculum vulgare</i>)
White alder (<i>Alnus rhombifolia</i>)
Wild radish (<i>Raphanus sativus</i>)

Potential Species for Project

Below are the potential plants for the Wildcat Creek Restoration and Greenway Trail project. The exact species, number and size of plants will be determined after further discussions with the City's biological consultant, and discussions with permitting agencies. It is potential for the lists below to be expanded if required. In addition to the lists below approximately 1,650 willows will be planted through cuttings.

Potential Plants for Project	
Trees	Typical Size
Alders (<i>Alnus rhombifolia</i>)	5-15 gallon
Big Leaf Maple (<i>Acer macrophyllum</i>)	
Black Walnut (<i>Juglans hindsii</i>)	
Box Elder (<i>Acer negundo</i>)	
Cottonwood (<i>Populus fremontii</i>)	
Elderberry (<i>Sambucus nigra</i>)	
Cal. Buckeye (<i>Aesculus californica</i>)	
Coast Live Oak (<i>Quercus agrifolia</i>)	
Oregon ash (<i>Fraxinus latifolia</i>)	

Potential Plants for Project	
Shrubs	Typical Size
Wax myrtle (<i>Morella californica</i>)	1-gal D-40 D-16
Buckwheat (<i>Eriogonum fasciculatum</i>)	
Cal. Rose (<i>Rosa californica</i>)	
Coffeeberry (<i>Frangula californica</i>)	
Coyote brush (<i>Baccharis pilularis</i>)	
Dogwood (<i>Cornus sericea</i>)	
Ninebark (<i>Physocarpus capitatus</i>)	
Oceanspray (<i>Holodiscus discolor</i>)	
Toyon (<i>Heteromeles arbutifolia</i>)	
Sticky monkeyflower (<i>Mimulus aurantiacus</i>)	
Scarlet monkeyflower (<i>Mimulus cardinalis</i>)	
Red-flowered currant (<i>Ribes sanguineum</i>)	
Snowberry (<i>Symporicarpos albus</i>)	
Thimbleberry (<i>Rubus parviflorus</i>)	

Potential Plants for Project	
Groundover/vines/ferns/other	Typical Size
bee plant (<i>Scrophularia californica</i>)	
blue-eyed grass (<i>Sisyrinchium bellum</i>)	
Cal. aster (<i>Aster chilensis</i>)	
Cal. grape (<i>Vitis californica</i>)	
Cal. Poppy (<i>Eschscholzia californica</i>)	
Common rush (<i>Juncus effusus</i>)	
Cow parsnip (<i>Heracleum lanatum</i>)	
Creeping wildrye (<i>Elymus triticoides</i>)	
Field sedge (<i>Carex praegracilis</i>)	
Giant chain fern (<i>Woodwardia fimbriata</i>)	
Grey rush (<i>Juncus patens</i>)	
Mugwort (<i>Artemisia douglasiana</i>)	
Santa Barbara sedge (<i>Carex barbarae</i>)	
Yarrow (<i>Achillea millefolium</i>)	
Sticky cinquefoil (<i>Potentilla glandulosa</i>)	
Arroyo lupine (<i>Lupinus succulentus</i>)	
Purple needlegrass (<i>Stipa pulchra</i>)	
	16-gal Plugs Some 1-gal seed mix

Attachment 4 – Design Plans

- *Concept Design Illustration*
- *Concept Initial Layout*



CITY of SAN PABLO
City of New Directions

Wildcat Creek Vale to Church Creek and Greenway Improvement Concept Plan

City of San Pablo, California,



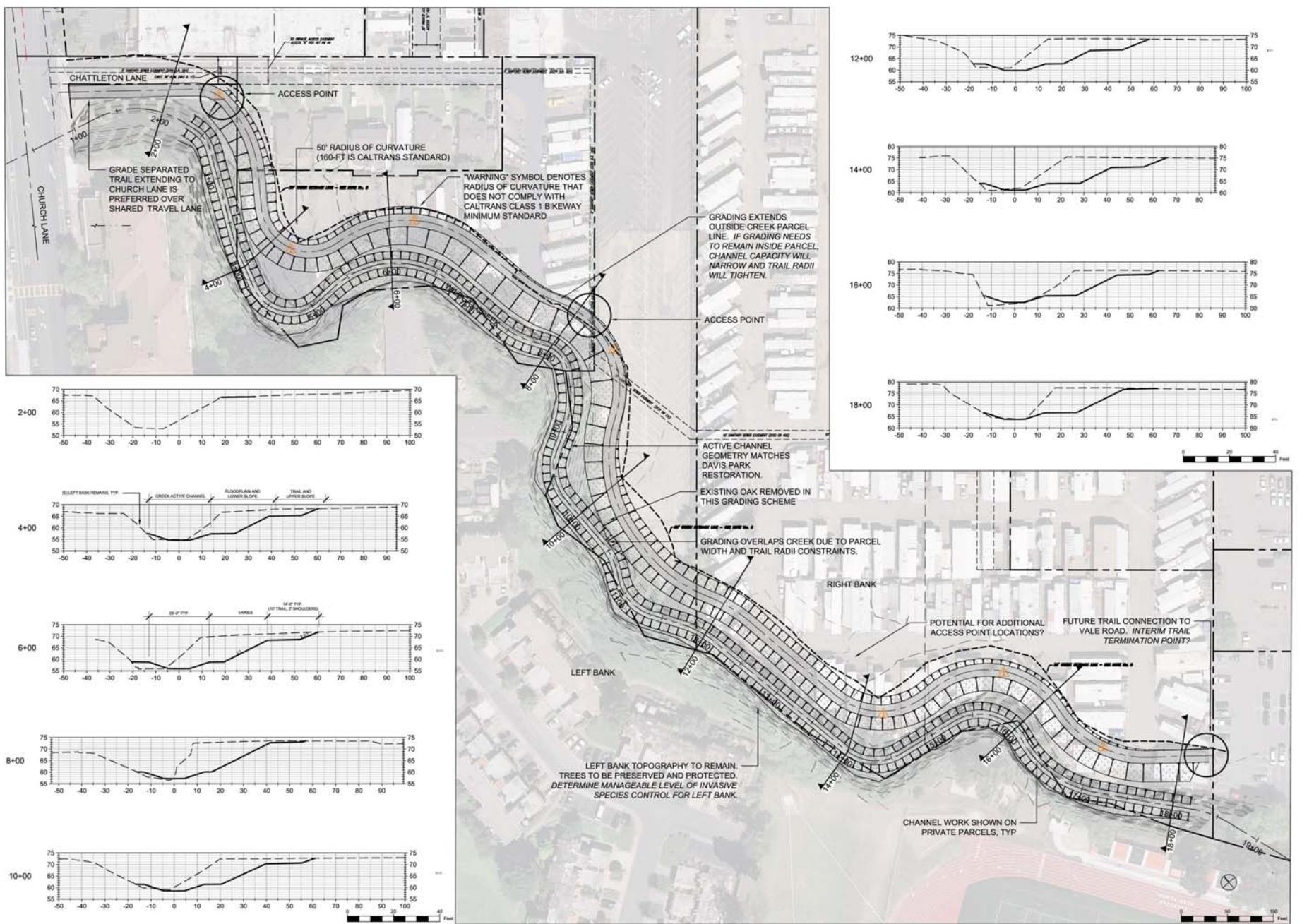
April 29, 2014

WILDCAT CREEK VALE TO CHURCH CREEK AND GREENWAY IMPROVEMENT PLANS

REVISIONS

Concept Plan

1 -1



Attachment 5 – Other Documents

- *CEQA*
- *Estimated Timeline*
- *California State Parks Community Fact Finder*
- *City of San Pablo City Council Resolution*
- *Letters of Support*

→ file PW606
"CEQA"

CALIFORNIA DEPARTMENT OF FISH AND GAME
CERTIFICATE OF FEE EXEMPTION

De minimis Impact Finding

To: County Clerk
Contra Costa County
555 Escobar Street
Martinez, CA 94553

From: City of San Pablo
Public Works Department
13831 San Pablo Ave.
San Pablo, CA 94806

Project Title: Wildcat Creek Restoration and Trail Plan at Circle S (PW 606)

Project Location - Specific: Wildcat Creek from Vale Road to Church Lane:

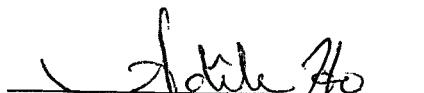
Findings of Exemption

1. This agency has evaluated the potential for this project to cause an adverse effect, either individually, or cumulatively, on wildlife resources. For this purpose, wildlife is defined as "all wild animals, birds, plants, fish, amphibians, and related ecological communities, including the habitat upon which the wildlife depends for its continued viability" (section 711.2, Fish and Game Code)
2. There is no evidence of that the proposed project would have any potential for adverse effect on wildlife resources.

Certification

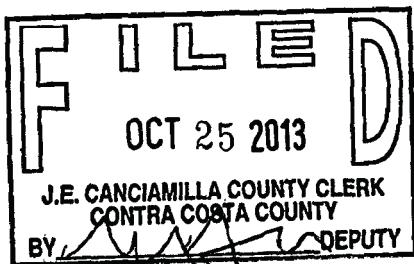
I hereby certify that the City of San Pablo, as lead agency, has made the above findings and that the proposed project will not individually, or cumulatively have an adverse effect on wildlife resources, as defined in Section 711.2 of the Fish and Game Code.

Lead Agency: City of San Pablo



Public Works Director

Date: 10/21/13



Notice of Exemption

To: County Clerk
Contra Costa County
555 Escobar Street
Martinez, CA 94533

From: City of San Pablo
Public Works Department
13831 San Pablo Ave.
San Pablo, CA 94806

Project Title: Wildcat Creek Restoration and Trail Plan at Circle S (PW 606)

Project Location - Specific: Wildcat Creek from Vale Road to Church Lane

Project Location - City: San Pablo

Description of the Nature, Purpose and Beneficiaries:

Repair and restoration of the creekbank with native vegetation, and construction of a pedestrian/bicycle trail at the top of the creekbank, with associated landscaping and amenities (benches, trash cans).

Name of Public Agency Approving Project: City of San Pablo

Name of Person or Agency Carrying out Project: City of San Pablo

Exempt Status: (check one)

- Ministerial (Section 21080(b)(1); 15268)
- Declared Emergency (Section 21080(b)(3); 15269(a));
- Emergency (Section 21080(b)(4); 15269(b)[c]);
- Categorical Exemption. State type and section number : Cat Ex Class 4: 15304, Minor Alteration to Land, and Class 33: 15333, Small Habitat Restoration
- Statutory Exemptions. State code number

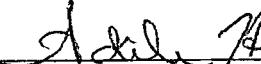
Reason why project is exempt:

The project is exempt under Section 15304, Minor Alteration to Land, 15333, Small Habitat Restoration, on the basis that it involves: minor alterations to land or vegetation which do not involve removal of healthy, mature, scenic trees; and maintenance, restoration and enhancement of habitat for fish, plants or wildlife, including creekbank stabilization and restoration.

Lead Agency Contact Person: Adele Ho **Area Code/Telephone:** (510) 215-3068

If filed by applicant:

1. Attached certified document of exemption
2. Has a Notice of Exemption been filed by the public agency approving the project? YES NO

Signature: 
Title: Public Works Director

Date: 10/21/13

Estimated Timeline

California State Parks Community Fact Finder Report

ROUND TWO

This is your Community FactFinder report for the project you have defined. Please refer to your Project ID in any future communications about this project.

Project ID: **31082**

Date created: **August 22, 2016**

County: **Contra Costa**

City: **San Pablo**

Coordinates: **37.958079, -122.34075**

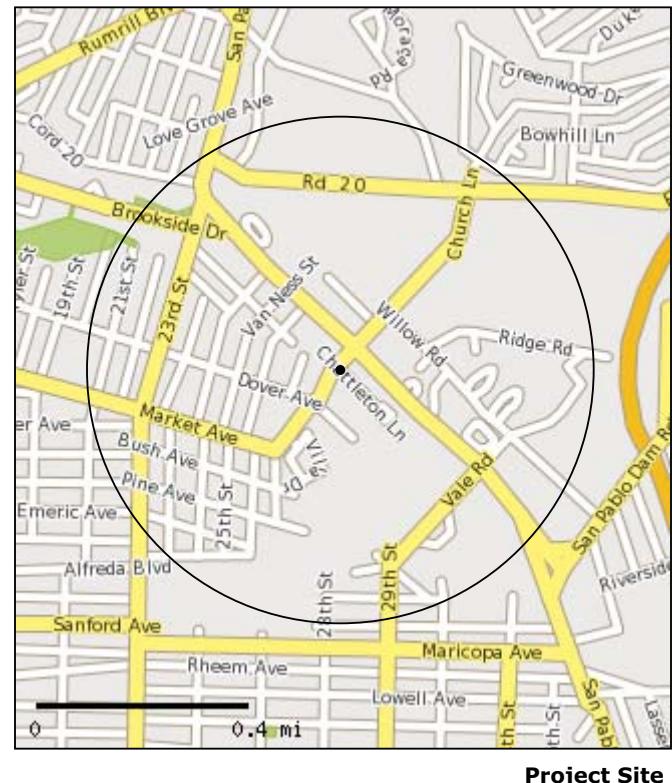
Total Population: **8,876**

Median Household Income: **\$39,988**

Number of people below poverty line: **1,368**

Park acreage: **2.67**

Park acres per 1,000 population: **0.30**



Project Site

If your service area includes a modified park (outlined in red), the statistic shown match the new boundary. All numbers above have been calculated based on a ½ mile radius from the point location of your project.

Demographics are figured by averaging population numbers over selected census block groups and using the percent of the block group within the project circle to determine the actual counts.

Parks and park acres are based on best available source information but may not always contain exact boundaries or all parks in specific locations. Parks acreage does not include major lakes or ocean. Users can send update information to: parkupdates@parks.ca.gov

Data Sources:

Demographics - Claritas Pop-Facts, block group level (2010)
Parks - Calif. Protected Areas Database v. 1.6 (Feb. 2011)



Community FactFinder is a service of the
California Department of Parks and Recreation
www.parks.ca.gov

Community FactFinder created
by GreenInfo Network
www.greeninfo.org



RESOLUTION 2017-018

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SAN PABLO (1) APPROVING THE APPLICATION FOR GRANT FUNDS FOR THE CALIFORNIA STATE COSTAL CONSERVANCY GRANT PROGRAM UNDER THE WATER QUALITY, SUPPLY, AND INFRASTRUCTURE IMPROVEMENT ACT OF 2014 (PROPOSITION 1), AND AUTHORIZING THE CITY MANAGER TO CONDUCT ALL NEGOTIATIONS AND EXECUTE AND SUBMIT ALL DOCUMENTS FOR THE WILDCAT CREEK RESTORATION & GREENWAY TRAIL PROJECT BETWEEN CHURCH LANE AND VALE ROAD

WHEREAS, the Legislature and Governor of the State of California have provided Funds for the program shown above;

WHEREAS, the Coastal Conservancy has been delegated the responsibility for the administration of this grant program, establishing necessary procedures;

WHEREAS, said procedures established by the Coastal Conservancy require a resolution certifying the approval of application(s) by the Applicants governing board before submission of said application(s) to the State;

WHEREAS, if selected, the City will enter into an agreement with the State of California to carry out the Project; and

WHEREAS, there is no grant match required, but the City has appropriated \$100,000 to be made available for this project; and

WHEREAS, if a Coastal Conservancy grant award is received, staff will return to City Council to accept and if required request additional funds.; and

WHEREAS, if the funds are awarded and the project to be undertaken, then the appropriate CEQA review will be conducted.

NOW, THEREFORE, BE IT RESOLVED that the foregoing recitations are true and correct, and are included herein by reference as findings;

BE IT FURTHER RESOLVED that the City Council of the City of San Pablo hereby authorizes Public Works to apply for Coastal Conservancy grant for a total project cost of \$3.5 Million;

BE IT FURTHER RESOLVED that the City Manager is authorized to execute this grant application and any agreements related to this grant;

BE IT FURTHER RESOLVED that there is no fiscal impact at this time. If a Coastal Conservancy award is received, staff will return to City Council to accept and appropriate all grant and required matching funds.

* * * * *

ADOPTED this 6th day of February, 2017, by the following vote:

AYES:	COUNCILMEMBERS:	Cruz, Morris, Kinney, Calloway and Valdez
NOES:	COUNCILMEMBERS:	None
ABSENT:	COUNCILMEMBERS:	None
ABSTAIN:	COUNCILMEMBERS:	None

ATTEST: APPROVED:

/s/ Lehny M. Corbin
Lehny M. Corbin, Deputy City Clerk

/s/ Cecilia Valdez
Cecilia Valdez, Mayor



Board of Directors

Mark Westwind
President
Weswind Associates

Vladimir Foronda
UC Berkeley

Tracy Ostrom
UC Berkeley - CCASN

Pallavi Sherikar
Student, UC Berkeley

Raquel Navarro
San Lorenzo High School

John Steere
Contra Costa County

Manuel Alonso-Martinez
Executive Director

Advisory Board

Joe McBride
UC Berkeley

Doug Karpa
Turtle Island Restoration Project

Whitney Dotson
East Bay Regional Park District

Katharine Barrett, Emeritus
UC Botanical Gardens

Michele Perrault, Emeritus
Sierra Club

February 09, 2017

State Coastal Conservancy
Attn: Matt Gerhart
1515 Clay Street, Suite 1000
Oakland, CA 94612

Re: Letter of Support for the City of San Pablo's Wildcat Creek Restoration and Greenway Trail Project

Dear Selection Committee:

Earth Team is pleased to support the City of San Pablo's Coastal Conservancy's California Urban Greening Projects in the San Francisco Bay Area grant application for the Wildcat Creek Restoration and Greenway Trail Project.

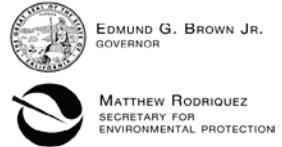
Earth Team is a local non-profit organization that provides hands-on environmental education and work-based learning programs for underserved public high school students to protect and restore local watersheds in the Francisco Bay Area. The City of San Pablo's proposed multi-benefit project will improve and restore 2,300 linear feet of Wildcat Creek to create a more natural creek habitat. Project benefits include refuge areas for trout, a modified floodplain to accommodate larger flow volumes, a widened creek corridor, a graded bank to receive soil bioengineering applications, planting of live willow cuttings, and additional riparian plants on the restored bank. In addition to in stream benefits, this project will also provide safe bike lanes and enhanced pedestrian paths which will help to connect this low-income community to the natural environment.

The goals of the proposed project are consistent with those of Earth Team, which is why we encourage the Coastal Conservancy grant selection committee to give strong consideration to this multi-beneficial project when making funding decisions. If you have any questions, please contact Manuel Alonso, Executive Director at 844-704-4030 xt1. Thank you very much for your consideration.

Sincerely,

Manuel Alonso
Earth Team's Executive Director

Main Office
1301 South 46th St. B155
Richmond, CA 94803
Tel. 844-704-4030
info@earthteam.net



San Francisco Bay Regional Water Quality Control Board

Sent via electronic mail: No hard copy to follow

September 28, 2016

California Natural Resources Agency
Attn: Urban Rivers Coordinator
1416 Ninth Street, Suite 1311
Sacramento, CA 95814

Subject: Letter of Support for the City of San Pablo's Wildcat Creek Restoration and Greenway Trail Project

Dear Selection Committee:

The San Francisco Bay Regional Water Quality Control Board (Water Board) staff is pleased to support the City of San Pablo's California Natural Resources Agency California Urban Rivers Grant application for the Wildcat Creek Restoration and Greenway Trail Project.

The City's proposed multi-benefit project will improve and restore 1,500 linear feet of Wildcat Creek to create a more natural creek habitat. Project benefits include refuge areas for trout, a modified floodplain to accommodate larger flow volumes, a widened creek corridor, a graded bank to receive soil bioengineering applications, planting of live willow cuttings, and additional riparian plants on the restored bank. In addition to in-stream benefits, this project will also provide safe bike lanes and enhanced pedestrian paths, which will help to connect this low income community to the natural environment.

The goals of the proposed project are consistent with those of the Water Board, including our mandate to ensure a long-term net improvement in the quality of California's waters, which is why we encourage the grant selection committee to give strong consideration to this multi-benefit project when making funding decisions. If you have any questions, please contact me at (510) 622-2380 or via email to klichten@waterboards.ca.gov.

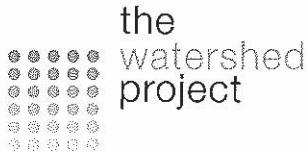
Sincerely,

Digitally signed by
Keith H. Lichten,
Division Chief
Date: 2016.09.28
18:24:41 -07'00'

Keith H. Lichten, Chief
Watershed Management Division

DR. TERRY F. YOUNG, CHAIR | BRUCE H. WOLFE, EXECUTIVE OFFICER

1515 Clay St., Suite 1400, Oakland, CA 94612 | www.waterboards.ca.gov/sanfranciscobay



February 9, 2016

State Coastal Conservancy
Attn: Matt Gerhart
1515 Clay Street, Suite 1000
Oakland, CA 94612

Re: Letter of Support for the City of San Pablo's Wildcat Creek Restoration and Greenway Trail Project

Dear Selection Committee:

The Watershed Project is pleased to support the City of San Pablo's Coastal Conservancy's California Urban Greening Projects in the San Francisco Bay Area grant application for the Wildcat Creek Restoration and Greenway Trail Project.

The Watershed Project (TWP) is a local non-profit organization that is committed to inspiring Bay Area communities to understand, appreciate and protect local watersheds through restoration work, promoting green design and supporting natural cycles. The City of San Pablo's proposed multi-benefit project will improve and restore 2,300 linear feet of Wildcat Creek to create a more natural creek habitat. Project benefits include refuge areas for trout, a modified floodplain to accommodate larger flow volumes, a widened creek corridor, a graded bank to receive soil bioengineering applications, planting of live willow cuttings, and additional riparian plants on the restored bank. In addition to in stream benefits, this project will also provide safe bike lanes and enhanced pedestrian paths which will help to connect this low income community to the natural environment.

The goals of the proposed project are consistent with those of TWP, which is why we encourage the Coastal Conservancy grant selection committee to give strong consideration to this multi-beneficial project when making funding decisions. If you have any questions, please contact Juliana Gonzalez, Executive Director of The Watershed Project at 510-655-3430. Thank you very much for your consideration.

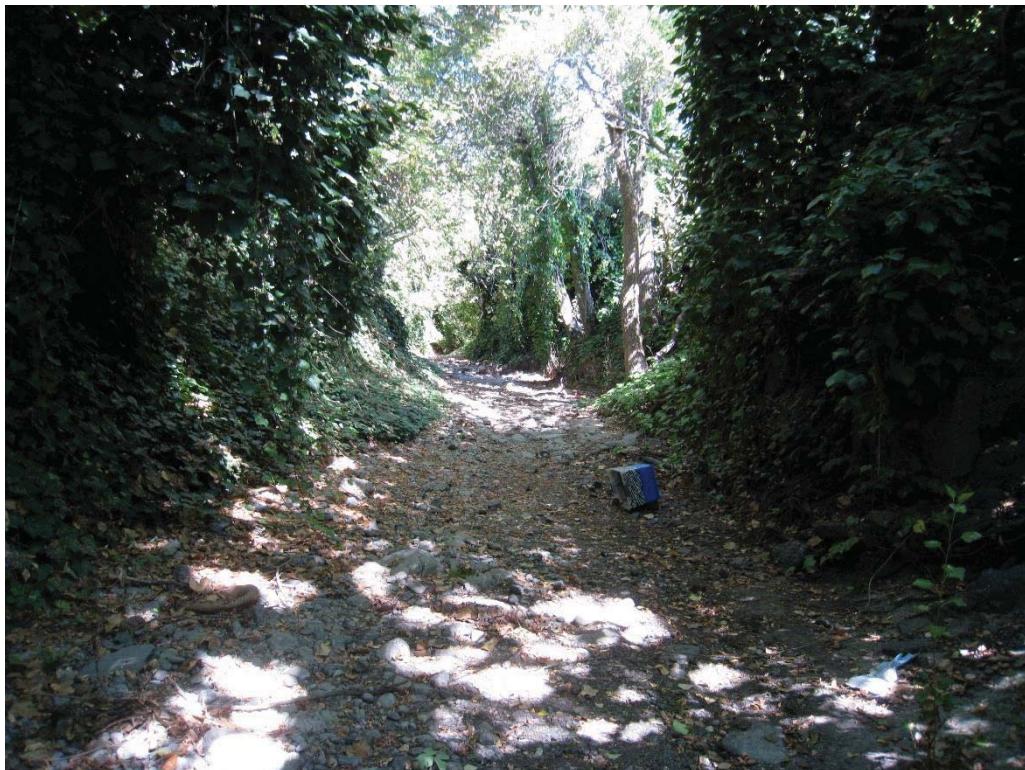
Sincerely,


Juliana Gonzalez
Executive Director

Attachment 6 – Site Photos



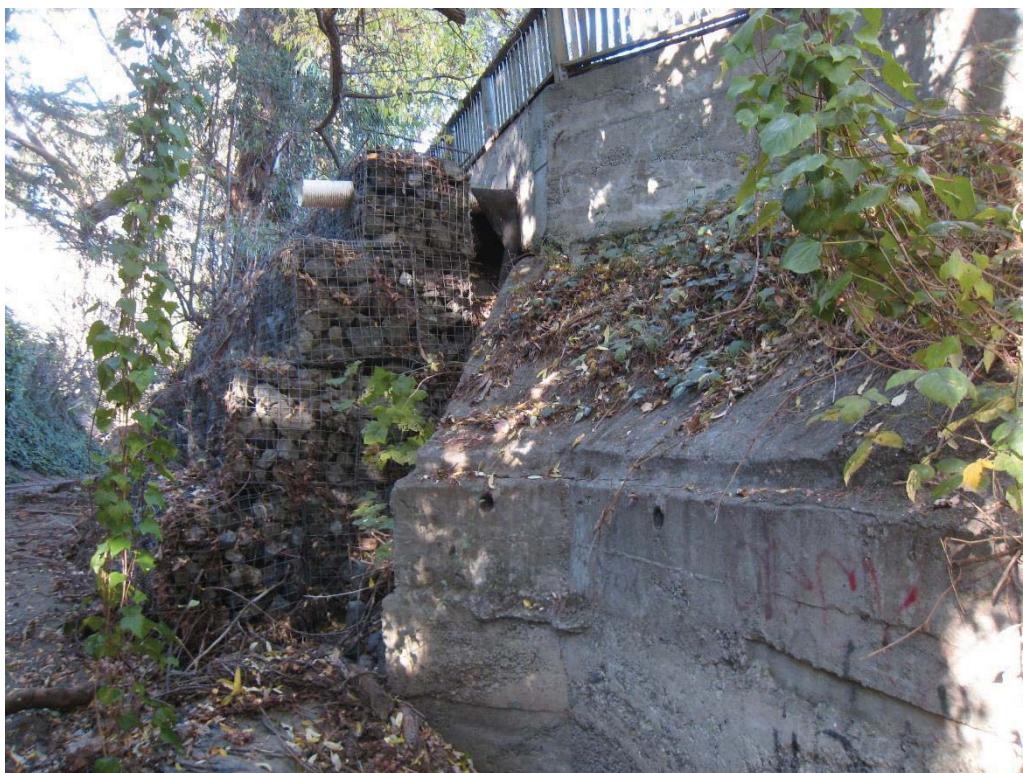
Steep, ivy-covered banks characterize Wildcat Creek though this reach



Steep, ivy-covered banks characterize Wildcat Creek though this reach



Failing rock gabions offer limited protection along the banks



Failing rock gabions offer limited protection along the banks



Erosion is undermining sackcrete along the banks



Old concrete covering the banks of the creek inhibit habitat function



Old concrete covering the banks of the creek inhibit habitat function



Erosion has undermined old storm drain infrastructure



Old walls are embedded in the creek banks



Concrete slabs in the bed of the channel impair natural creek function

Attachment 7 – 35% Design

- ***35% Design for first 700ft***