

CITY OF OAKLAND
AGENDA REPORT

FILED
OFFICE OF THE CITY CLERK
OAKLAND

2004 JUL -1 PM 4:55

TO: Office of the City Administrator
ATTN: Deborah Edgerly
FROM: Public Works Agency
DATE: July 13, 2004

RE: **A RESOLUTION AUTHORIZING THE IMPLEMENTATION PLANS FOR THE OAKLAND TRUST FOR CLEAN WATER AND SAFE PARKS, MEASURE DD, CREEK RESTORATION, WATERSHED ACQUISITION AND LAKE MERRITT WATER QUALITY PROGRAMS**

SUMMARY

This report presents the proposed implementation plans for the Oakland Trust for Clean Water and Safe Parks, (Measure DD), Creek Restoration, Watershed Acquisition, and Lake Merritt Water Quality Programs. Measure DD, passed in November 2002, provides a total of \$5.5 million for the Creek Restoration Program, \$4.5 million for the Watershed Acquisition Program, and \$4.5 million for Lake Merritt Water Quality Program. From the proceeds of the August 2003 Measure DD, Series 2003A bond sale, City Council appropriated \$1.7 million to the Creek Restoration Program, \$3 million to the Watershed Acquisition Program, \$1 million to the Lake Merritt Water Quality Program.

Since the Measure DD, Series 2003A bond sale, staff held three public meetings and met with the Measure DD Community Coalition Creek Committee to develop the implementation plans for the Creek Restoration and Watershed Acquisition Programs. Additionally, the Lake Merritt Water Quality Technical Committee was reformed in December of 2003 to identify technical alternatives that address the issues of excess trash and low dissolved oxygen in the Lake. Staff is returning to the City Council, as stated in the June 24, 2003 Measure DD staff report, for approval of the implementation plans.

Staff requests that City Council approve the implementation plans for the Creek Restoration, Watershed Acquisition, and Lake Merritt Water Quality Programs, and a resolution authorizing the expenditure of Measure DD, Series 2003A funds according to the implementation plans for each program. A summary of implementation plans for each program is as follows:

The implementation plan for the Measure DD Creek Restoration Program includes:

- Adoption of the Creek Restoration Project List and prioritization criteria
- Initial feasibility studies for projects on the Creek Restoration Project List
- Development of a prioritized Creek Restoration Project List
- Recommendations for fund allocations for four immediate projects

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The implementation plan for the Watershed Acquisition Program includes:

- Initial feasibility studies
- Definition of appropriate acquisition approach
- Acquisition recommendations

The implementation plan for the Lake Merritt Water Quality Program includes:

- A new aeration fountain in Lake Merritt near Grand Avenue and Harrison Street
- A pilot project for an air diffuser system
- Installation of up to four new, large Continuous Deflection Separation (CDS) trash and sedimentation control devices in the Lake Merritt Watershed
- Upgrade of electrical service for the existing aeration fountain located near El Embarcadero

The Implementation Plans for the Measure DD Creek Restoration, Watershed Acquisition and Lake Merritt Water Quality Programs are consistent with the following Mayor/City Council goals and objectives: #2 (Develop a Sustainable City), #3 (Improve Oakland Neighborhoods), #6 (Maintain and Enhance Oakland's Physical Assets), and #7 (Inspire Creativity and Civic Engagement).

Staff recommends that this resolution be approved.

FISCAL IMPACT

Approval of the attached resolution will authorize staff to implement the plans described in this report for the Creek Restoration, Watershed Acquisition and Lake Merritt Water Quality Programs funded by the Measure DD general obligation bonds. The amounts of Measure DD, Series A funds, which have already been appropriated and allocated for each of these programs, are shown below. Staff will aggressively pursue outside grant funds and State and Federal appropriations to match these Measure DD funds.

Creek Restoration Program

\$973,000 from Project: C244810 will be dedicated to the feasibility analysis for each site on the Creek Restoration Project List and immediate implementation of four projects from the Creek Restoration Project List.

Watershed Acquisition Program

\$525,000 from Project: C244910 will be dedicated to the feasibility analysis for sites on the Watershed Acquisition Project List and acquisition of priority properties.

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Lake Merritt Water Quality Program

\$809,000 from Project: C241710 will be dedicated to purchasing and installing a new aeration fountain, upgrade electrical service for existing aeration fountain, a pilot project air diffuser system, and up to four new CDS units in the Lake Merritt Watershed.

Staff has determined that there will not be increased maintenance costs to the City as a result of these improvements.

Staff will return to the City Council for approval of additional expenditures of the Measure DD, Series 2003A funds for the Creek Restoration, Watershed Acquisition, and Lake Merritt Water Quality Programs.

BACKGROUND

Watershed Improvement Program

In 1996, the City of Oakland established the Watershed Improvement Program (WIP) to improve Oakland's watersheds. One of the Watershed Program's primary goals is to bring creek restoration projects to diverse communities throughout the City. These projects improve quality of life by enhancing the ecological health and beauty of the creek, while increasing recreational and educational opportunities in the community. Each project provides a catalyst for developing watershed awareness, community stewardship and neighborhood enhancement.

To date, WIP has successfully implemented four creek restoration projects in collaboration with the County of Alameda Flood Control and Water Conservation District, the Coastal Conservancy, the Department of Water Resources, and the State Department of Parks and Recreation. The projects include Sausal Creek in Dimond Canyon, Arroyo Viejo Creek in Arroyo Viejo Park, Peralta Creek in Cesar Chavez Park, and Glen Echo Creek in Monte Vista pocket park.

Staff raised over \$2 million in grant funds to implement the four creek restoration projects. The success of these projects has demonstrated to funding agencies that staff is able to implement successful projects. This important relationship with funding agencies will enhance staff's ability to leverage Measure DD funds with grants from outside agencies.

Staff will use Measure DD funds to build on the past success of the Watershed Program by expanding the number of projects it can complete and by expanding into watershed protection through property acquisition.

Creek Restoration and Acquisition Programs Community Input Process

Building on past community processes, the Watershed Program developed and continuously updates a Creek Restoration List. This document was originally created in 1998 through public

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meetings, review of the Open Space and Recreation Element of the General Plan, targeted public outreach and survey, and in collaboration with the Oakland Sharing the Vision process.

Since Measure DD passed in November 2002, WIP staff has presented at over twenty community meetings, has met with the Measure DD Community Coalition Creek Committee and has held three public meetings. Approximately 40 community members attended each public meeting. Announcements for the meetings were sent to creek groups, community groups, neighborhood organizations and newsletters. Additionally, press releases were sent out to local media.

The first public meeting was held on April 17, 2003. Oakland creek groups and community members generated ideas for project proposals, a proposed list of prioritization criteria, and a process implementation description. These documents were mailed to local environmental and neighborhood organizations and distributed at community meetings during the last year. Project proposals submitted by the community were collected and added to the existing Creek Restoration Project List.

The second public meeting was held on April 26, 2004. At this meeting the proposed creek restoration and acquisition project criteria were further developed and ranked by community participants. Additionally, participants reviewed and discussed the updated Creek Restoration and Acquisition Project List.

The third public meeting was held on May 26, 2004. At this meeting the ranking and scoring of the creek restoration and watershed acquisition project prioritization criteria were reviewed and, using a consensus process, finalized by participants. Additionally, the Implementation Plans for the Creek Restoration and Acquisition Programs were reviewed and discussed and finalized through a consensus process with participants.

Lake Merritt Water Quality Program

Lake Merritt was listed as an "impaired waterbody" on the EPA's 303(d) list in May 1999 because of excess trash and low dissolved oxygen. The State requires that the City address these issues to avoid Clean Water Act violations and possible penalties. In addition to being a violation of the Clean Water Act, the highly visible trash causes many citizen complaints, and has a negative impact to water quality and to Oakland's image. In January 2000, a Lake Merritt Water Quality Technical Committee was established to investigate the excess trash and dissolved oxygen issues through public education, outreach, and maintenance. Some changes in maintenance were made and a pilot project for trash collection was implemented. Due to funding constraints the Committee was disbanded in 2002.

With the passage of Measure DD, the Lake Merritt Water Quality Technical Committee was re-established to build on the research and findings of the past Committee and to look specifically at capital improvement projects that meet Measure DD funding requirements and address the water quality issues in the Lake. The Committee, comprised of staff from the City of Oakland, City of Piedmont, Alameda County, the Coastal Conservancy, and the Lake Merritt Institute researched

technical alternatives to improve the dissolved oxygen levels and reduce the amount of trash in Lake Merritt. The proposed technical measures will assist the City to meet the goal of a clean lake.

KEY ISSUES AND IMPACTS

At least 85% of the Measure DD, Series 2003A for each program must be spent by July 2006 or the second bond sale will be postponed and the City will be required to rebate excess interest earnings to the federal government. The Implementation Plans for Measure DD Creek Restoration, Watershed Acquisition and Lake Merritt Water Quality Programs were developed with community participants and stakeholders. To meet the July 2006 deadline for expenditure of the Measure DD, Series 2003A funds staff must begin implementing the plans for the Creek Restoration, Watershed Acquisition and Lake Merritt Water Quality Programs immediately. Council approval is necessary for staff to move forward.

PROGRAM DESCRIPTION

Creek Restoration Program

The Creek Restoration Program implementation plan includes the following:

1. Adopt the Creek Restoration Project List for the purpose of project prioritization and project selection (Exhibit A). The Project List was developed with input from the public, staff, Council, OSCAR, Oakland Sharing the Vision, targeted outreach and the Measure DD Community Coalition.
2. Adopt the prioritization criteria and project scoring process (Exhibit B). The prioritization criteria were developed with input from staff, the public and the Measure DD Community Coalition. Additionally, the criteria reflect criteria used by grant funding agencies in order to ensure that projects that receive high priority will also be eligible for outside funding. Each criteria was assigned 1, 3, or 5 points depending on its ranking. For example, "Potential for plant and wildlife habitat improvements - restoration of diverse native plant and wildlife populations," was ranked high and therefore is a 5-point criterion. Each proposed project will be scored based on how it meets the prioritization criteria.
3. Conduct feasibility analysis for each site on the Creek Restoration Project List: a one to two page summary of each project describing the options and including the following elements:
 - Opportunities and project parameters
 - List of possible benefits, habitat, water quality etc.

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- Description of existing conditions
- Hydrologic overview/analysis of physical feasibility of restoration
- Community support, interest, potential for stewardship
- Estimated cost range

The estimated cost for the feasibility analysis for sites on the Creek Restoration Project List is \$175,000 total. The feasibility analyses will be conducted by on call creek restoration and hydrology consultants. The contracts for these consultants were previously approved by City Council.

4. Rank projects using the prioritization criteria developed through the community input process.
5. Recommend up to 10 projects for full design according to their ranking using the prioritization criteria.

Design work includes:

- Create conceptual designs
- Conduct community outreach and meetings for input on conceptual design
- Create final designs
- Complete construction documents
- Detailed cost estimates
- Complete permitting, CEQA

Staff will return in the fall with a report to City Council requesting approval of the creek restoration project list in order of ranking and recommending the top ranked projects to move forward with full design. Designs will be developed by on call creek restoration and hydrology consultants. The contracts for these consultants were previously approved by City Council.

6. Move ahead immediately with the following four projects. Each of these projects was studied for feasibility, has matching funds, scores high using the draft prioritization criteria, has gained consensus approval during the community input process and is urgent. Staff recommends that the following four projects receive Measure DD funding:

- ***Cinderella Creek Watershed east of Highway 13 in Joaquin Miller Park*** There are potential water quality violations and safety hazards that need immediate attention. \$150,000 in matching funds have been secured from Proposition 40 funding. It is estimated that up to \$150,000 of Measure DD funds would be allocated for this project.
- ***Lion Creek at 66th Ave. and San Leandro Blvd.*** This site is part of a new Oakland Housing Authority Coliseum Gardens project. Designers for the housing project and newly designed City park are currently working with City

staff to replace the existing concrete channel with a restored natural creek. \$600,000 in mitigation funds has been secured for the creek element of this project. Mitigation funds become available when regulatory agencies require a developer to compensate for the loss or disturbance of natural resources. Additionally, Alameda County Flood Control and Water Conservation District has agreed to provide in-kind contributions for the demolition of the existing concrete channel. Matching funds for design and construction of the creek element would have to be secured immediately or this opportunity will be lost. It is estimated that up to \$500,000 of Measure DD funds would be allocated for this project.

- ***Shepherd Canyon Creek Restoration, in Shepherd Canyon Park*** This project includes native plant restoration for an area adjacent to the creek that was once filled with debris. The area will be graded by the Public Works Agency this summer. It is estimated that up to \$8,000 in Measure DD funds would be used to design a planting plan and purchase native riparian plants for this project.
- ***Temescal Creek, FROG Greenbelt, off Claremont Ave. through Hudson St. to Redondo Park*** This project will complete the Rockridge-Temescal Greenbelt in coordination with the immediate construction of Phase II of the park development and creek restoration. It is estimated that up to \$140,000 of Measure DD funds would be allocated for this project.

In the case of the Lion Creek and Cinderella Creek projects staff will conduct a RFP process and will return to City Council for approval of construction contracts. The construction contract for the Temescal Creek project has already been approved by City Council. On call creek restoration consultants will develop the Shepherd Canyon Creek planting design and volunteer will implement the planting.

The total amount of Measure DD funds needed for the four projects is \$745,000.

Watershed Acquisition Program

The Watershed Acquisition Program enables the City and its partners to secure ecologically valuable lands in and around Oakland's waterways. Each project on the Watershed Acquisition Project List will be scored according to how it meets the prioritization criteria.

The plan includes the following elements:

1. Develop processes for acquiring property to include acquiring land and conservation easements, accepting land and easement donations, land trades, and partnering with existing land trusts, regional parks and other appropriate governmental agencies.
2. Establish and manage a mitigation fund for appropriation of mitigation funds made available through development projects in Oakland and the East Bay.

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3. Conduct feasibility analysis for sites on the Watershed Acquisition Project List. This analysis will include one to two page summaries to include the following elements:
 - Benefits to habitat, water quality, etc.
 - Existing conditions, connectivity to public lands, and accessibility
 - Immediacy of development threat
 - Potential for partnership with other governmental agencies, land trusts, non-profits, developers, etc.
 - Strategy for on-going stewardship and maintenance
 - Range of estimated costs
 - Analysis of alternatives to acquisition

The estimated cost for the feasibility analysis for sites on the Watershed Acquisition Project List is \$175,000

4. Move ahead immediately with acquisition of parcels in Butters Canyon on Peralta Creek that are at risk of immediate development and are ready for purchase. The Butters Land Trust, a local non-profit organization, has raised matching donations and grant money. The Trust has agreed to perform ongoing trash cleanup and vegetation control on parcels that are purchased by the City, freeing the City from costly maintenance activities. Immediate action must be taken to protect the remaining undeveloped parcels. Appraisals indicate that approximately \$350,000 of Measure DD funds will be needed to help purchase the parcels at greatest risk. These funds will match the \$755,000 of real estate for which the Trust either already holds title or is in the process of negotiating title purchase.
5. Develop detailed acquisition plan. Staff will return with a separate report with additional recommendations for acquisitions in a future staff report.

Lake Merritt Water Quality Program

Lake Merritt is currently listed by the Environmental Protection Agency (EPA) as an "impaired waterbody" because of excess trash and low dissolved oxygen levels. The State requires that the City address these issues to avoid Clean Water Act violations and possible penalties. Because of this, the Lake Merritt Water Quality Technical Committee (Committee) was re-established and has been meeting monthly since December 2003. The goal of the Committee is to select technical alternatives to be funded by Measure DD to improve the dissolved oxygen levels and reduce the amount of trash in the water in Lake Merritt. The members of the Committee include staff from the City of Oakland, City of Piedmont, Alameda County, the Coastal Conservancy, and the Lake Merritt Institute. Committee members reviewed various technical alternatives to improve the dissolved oxygen in the lake and reduce the amount of trash and debris flowing to the lake. Committee members have identified that four technologies will assist with the goals of the committee and are eligible for DD grant funding. These include the following:

1. A new fountain in Lake Merritt near Grand Avenue and Harrison Street, to help address the low dissolved oxygen levels - \$20,000

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2. Upgrade electrical service for the existing fountain located near El Embarcadero - \$22,000
3. A pilot project for an air diffuser system - \$17,000
4. Installation of up to four new CDS storm drain filter units in the Lake Merritt Watershed - \$750,000

The Measure DD Lake Merritt Water Quality funds from the sale of Measure DD, Series A would be used to cover the total estimated cost for these items at \$809,000.

Finally, staff will be aggressively seeking matching grant opportunities for all three of the program areas of Creek restoration, Watershed Acquisition, and Lake Merritt Water Quality.

SUSTAINABLE OPPORTUNITIES

Environmental: The Creek Restoration, Watershed Acquisition and Lake Merritt Water Quality programs will improve ecological value of the City's waterways and protect additional open space from development.

Economic: The Creek Restoration, Acquisition and Lake Merritt Water Quality programs will improve the economic value of the surrounding neighborhoods and business districts.

Social Equity: The Creek Restoration, Acquisition and Lake Merritt Water Quality programs will increase the recreational opportunities and quality of life for Oakland residents by providing additional open space and wildlife habit throughout the City.

DISABILITY AND SENIOR CITIZEN ACCESS

State and Federal disability regulations will be considered in the design and development of all Measure DD Creek Restoration, Watershed Acquisition, and Lake Merritt Water Quality Program projects.

RECOMMENDATION AND RATIONALE

Staff recommends that the City Council approve the implementation plans for the Measure DD Creek Restoration, Watershed Acquisition, and Lake Merritt Water Quality Programs, and the resolution authorizing the expenditure of Measure DD funds from the Measure DD, Series 2003A funds. Staff has conducted an extensive public process to ensure community input and with this input has developed the prioritization process and implementation plans for each program. Without approval of these implementation plans for the first bond sale, implementation will be delayed and could hinder the ability of staff to fully expend the funds before the July 2006 deadline.

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ACTION REQUESTED OF THE CITY COUNCIL

Staff recommends that the City Council approve the resolution.

Respectfully submitted,



RAUL GODINEZ II, P.E.

Director, Public Works Agency

Reviewed by:

Brooke A. Levin

Interim Assistant Director, Public Works Agency

Maintenance Services Department

Prepared by:

Lesley Estes

Acting Environmental Services Manager

Environmental Services Division

APPROVED AND FORWARDED TO THE
LIFE ENRICHMENT COMMITTEE:


OFFICE OF THE CITY ADMINISTRATOR

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OAKLAND CITY COUNCIL

2004 JUL -1 PM 4:57 RESOLUTION No. _____ C.M.S.



**RESOLUTION AUTHORIZING THE IMPLEMENTATION PLANS FOR
THE OAKLAND TRUST FOR CLEAN WATER AND SAFE PARKS,
MEASURE DD, CREEK RESTORATION, WATERSHED ACQUISITION
AND LAKE MERRITT WATER QUALITY PROGRAMS**

WHEREAS, the Oakland Trust for Clean Water and Safe Parks, (Measure DD) was passed in November 2002 with 80% voter approval; and

WHEREAS, Measure DD provides \$5.5 million for Creek Restoration, \$4.5 million for Watershed Acquisition, and \$4.5 million for Lake Merritt Water Quality Programs; and

WHEREAS, the Measure DD, Series 2003A Bond sale in August 2003 provided \$1.7 million for the Creek Restoration Program, \$3 million for the Watershed Acquisition Program, and \$1 million for the Lake Merritt Water Quality Program, which have already been appropriated and allocated by City Council; and

WHEREAS, a series of public meetings were held to develop prioritization criteria for creek restoration and watershed acquisition projects and implementation plans for the Creek Restoration and Watershed Acquisition Programs; and

WHEREAS, the Lake Merritt Water Quality Technical Committee, comprised of staff from the City of Oakland, City of Piedmont, Alameda County, the Coastal Conservancy, and the Lake Merritt Institute, was reformed in December of 2003 to develop a plan to research and identify technical alternatives to address the excess trash and low dissolved oxygen levels in the Lake Merritt; and

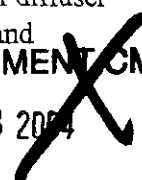
WHEREAS, the Creek Restoration Program implementation plan calls for the expenditure of \$973,000 from Project: C244810, which have already been appropriated and allocated by City Council, to be dedicated to the feasibility analysis for each site on the Creek Restoration Project List and immediate implementation of four projects on the Creek Restoration Project List; and

WHEREAS, the Watershed Acquisition Program implementation plan calls for the expenditure of \$525,000 from Project: C244910, which have already been appropriated and allocated by City Council, to be dedicated to the feasibility analysis of sites on the Watershed Acquisition Project List and acquisition of priority properties; and

WHEREAS, the Lake Merritt Water Quality Program implementation plan calls for the expenditure of \$809,000 from Project: C241710, which have already been appropriated and allocated by City Council, to be dedicated to the purchase and installation of a new aeration fountain, upgrade of electrical service for existing aeration fountain, installation of a pilot project air diffuser system, and up to four new CDS storm drain filter units in the Lake Merritt Watershed; and

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WHEREAS, staff will return to the City Council for the approval of the remaining Measure DD, 2003 Series A funds for the Creek Restoration, Watershed Acquisition, and Lake Merritt Water Quality Programs; and

WHEREAS, the implementation plans for the Measure DD Creek Restoration, Watershed Acquisition and Lake Merritt Water Quality Programs will further advance Mayor/City Council goals and objectives: #2 (Develop a Sustainable City), #3 (Improve Oakland Neighborhoods), #6 (Maintain and Enhance Oakland's Physical Assets), and #7 (Inspire Creativity and Civic Engagement); now, therefore be it

RESOLVED: that the City Council approves the implementation plans for the Measure DD Creek Restoration, Watershed Acquisition, and Lake Merritt Water Quality Programs;

IN COUNCIL, OAKLAND, CALIFORNIA, _____, 20_____

PASSED BY THE FOLLOWING VOTE:

AYES- BROOKS, BRUNNER, CHANG, NADEL, QUAN, REID, WAN and PRESIDENT DE LA FUENTE

NOES-

ABSENT-

ABSTENTION-

ATTEST: _____
CEDA FLOYD
City Clerk and Clerk of the Council
of the City of Oakland, California

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EXHIBIT A

CREEK RESTORATION PROJECT LIST

Dist.	Project Name & Description	Notes
WATERSHED AND CREEK IMPROVEMENT PROJECTS		
7	Arroyo Viejo Creek Restoration at Oakland Zoo Remove non-native vegetation, implement bank stabilization, restore native habitat, and install outdoor "classrooms" with interpretative signage on watershed ecology.	Design for the project is 75% complete. \$400,000 has been secured from the Coastal Conservancy and an additional \$400,000 from the Roberti -Z'berg-Harris Block Grant Program of Prop. 40. Supported by the Zoo, East Bay Watershed Center and neighborhood community.
1	Claremont Creek Garber Park Restore creek banks, revegetate with riparian plants, and create public access and recreational opportunities.	This project would involve using a portion of the Park to create a riparian vegetation buffer.
3	Cinderella Creek Watershed (east of Highway 13 in Joaquin Miller Park) Replace undersized culvert with bridge and abutments. Remove 100 cubic yards of upstream sediment. Implement bioengineering in adjacent channels to control erosion.	Culvert at creek crossing and trail are failing and banks of associated channels are in severe need of bioengineering erosion control measures. There are potential water quality violations and safety hazards that need immediate attention. \$150,000 in matching funds have been secured from Prop. 40.
7	Coliseum Slough Restoration (between San Leandro Blvd and the Bay at the Oakland Coliseum) Enhance habitat function, trail access to the Bay Trail, recreational facilities and trash/debris removal at the mouth of Lion and Arroyo Viejo Creeks.	This project would enhance a blighted area, as well as add to the regional recreational facilities of Arrowhead Marsh, the Bay Trail, and the San Leandro Regional Shoreline.
4	Courtland Creek, Courtland Creek Park (between Brookdale and Fairfax Avenues) Removal of non-native vegetation, opening up of view of the creek, restore native plants, implement bank stabilization, and install safety rails along two existing stairways down to the creek and replacing wood rail in areas at the top of the bank.	This project is supported by the High Street Neighborhood Alliance and would continue the ongoing efforts to improve the accessibility and safety of the creek in this area. The community conducts regular clean-ups at this site.
3	Glen Echo Creek Restoration (at Mosswood Park) Daylight (remove from underground culvert) 600 feet of creek and restore to natural condition.	This project provides an excellent opportunity to provide new aquatic habitat and to bring a new creek environment into a neighborhood without many environmental opportunities.
3	Glen Echo Creek at Oak Glen Park The main goal of this project is to improve the riparian habitat encompassing the creek and to improve the overall park and creek aesthetics. Secondary benefits could include improved flood control management, water quality, lower crime and community involvement.	This project includes native habitat restoration, repair of existing historic bridge and fountain dating to the early 1900's, and is strongly supported by the Friends of Oak Glen Park.
3	Glen Echo Creek Restoration (at Richmond) Native habitat restoration project at Oak Glen Park and at new pocket park. The project would remove non-native vegetation, establish native plants, create new trails, general park improvements and bank stabilization.	The pocket park is a newly acquired creekside property and no improvements have been made. \$40,000 in grant funds are currently available for the pocket park.
6	Horseshoe Creek Restoration/Leona Open Space (Between Redwood Rd. and Merritt College) Partial daylighting restoration project in an existing City owned park area. This project would include the removal of a long concrete channel and implementation of restoration measures, and trail improvements. Additionally, the site is on high use trail area in Oakland parks.	The restoration site (concrete channel lined with highly invasive and unsightly weeds) is directly above a pristine redwood and laurel wooded area of creek with waterfalls and pools that are home to one of two native rainbow trout populations in Oakland. The transition between the natural area and the concrete channel is abrupt.
3	Lake Merritt, Development of a Demonstration Wetlands Create a wetlands marsh area incorporating sustainable principles for wildlife. The project would include a pathway along the edge of the wetlands area with educational displays for visitors.	This project may use of a portion of the park for a native plant area that would expand an ecological zone into the park.
4	Lion Creek at McCrea Memorial Park (casting ponds) Restoration of channel and native habitat, improve connection between the park and the creek.	This is a strong candidate for creeks restoration provided that part of the Park is used to for the meander belt and vegetation corridor. Safety and security could be addressed through improved lighting and other design solutions.

EXHIBIT A

CREEK RESTORATION PROJECT LIST

Dist	Project Name & Description	Notes
WATERSHED AND CREEK IMPROVEMENT PROJECTS		
7	Lion Creek Restoration (66th and San Leandro Blvd.) Design and restore 1,000 feet of creek as part of a new park being built in conjunction within new high density, low-income housing that includes a new senior center and school at 66th Ave. near San Leandro Street. This new creek and park area would enrich a densely populated urban center by transforming concrete and fences into an unique creekside environment.	Project designers are currently working with City staff to incorporate the creek element into the design. Funding for design and construction would have to take place quickly or this opportunity will be lost.
4	Palo Seco Daylighting (east of Hwy 13 in Joaquin Miller Park) Daylight 1000 feet of streambed. Restore riparian habitat. Retain existing picnic areas and provide bridges to link picnic areas to existing trails.	Palo Saco Creek is one of the tributaries of Sausal Creek. The Palo Seco Creek watershed is in a natural condition through magnificent second growth redwood forest, except through the "Meadow" in Joaquin Miller Park where 1000 feet of streambed was culverted and filled to build a grassy field.
4	Peralta Creek, Butters Canyon Develop and implement restoration plan for lots previously acquired by Butters Land Trust, and additional lots purchased and/or preserved via conservation easements, located at the headwaters of Peralta Creek.	Butters Land Trust has received a \$2,000 restoration grant from the Bella Vista Foundation. The project is supported by members of BLT and the neighborhood, who already conduct regular restoration work and clean-ups along the creek.
5	Peralta Creek, Peralta Hacienda Park Improve habitat and water quality along Peralta Creek in Peralta Hacienda Park. This project would include removal of non-native plants, revegetation with riparian native plants.	The City has had discussions with the Friends of Peralta Hacienda regarding plans for park improvement at this site.
7	San Leandro Creek at Sobrante Park Restore creek by removing concrete channel and layback the north creek bank to provide flow capacity, revegetate north bank and connect creek to Park and Washington Middle School through landscaping design.	A portion of the School and Park property would be used to provide for meander belt and capacity flow. This project would involve multiple jurisdictions including: Cities of Oakland and San Leandro, Oakland Unified School District, EBMUD, and Alameda County.
4	Sausal Creek Restoration, Dimond Park Daylight creek through Park, remove failing concrete spillway, repair eroding banks create new trout habitat.	The concrete spillway in the park is causing damage to neighboring backyards and needs to be addressed. This repair should be done in conjunction with a full restoration and possible daylighting of culverted sections in the creek.
4	Sausal Creek, Beaconsfield Open Space Daylight creek from deteriorating culvert, restore habitat and address severe erosion.	The broken culvert is undermining the adjacent slope and needs to be addressed.
5	Sausal Creek, 27th Street at Barry Place Re-align creek, revegetate, and install improvements to create new public park.	Project provides access to Sausal Creek. Support from Friends of Sausal Creek.
5	Sausal Creek Restoration, Hawthorne School Daylight creek to enhance water quality, restore native riparian vegetation and create a new creek open space behind Hawthorne School and Sanborn Park.	This project would provide an outdoor science classroom opportunity for Hawthorne school. Some of the property at this site is owned by the School District.
6	Seminary Creek at Rainbow Recreation Center Remove concrete channel and restore creek meander and riparian vegetation.	Restoration would require use of a portion of the Park to create a functional channel.
4	Shepherd Creek (east of Highway 13 in Shepherd Canyon Park) Shepherd Creek is a tributary of Sausal Creek. Restore natural channel in former dump site. Create a trail to connect the surrounding residential area to the park, restore the natural channel, and plant native vegetation.	The natural channel was filled to create Shepherd Canyon Park, but a portion was never completed.
1	Temescal Creek Restoration (SE of Hwy 13/24 Interchange) Riparian restoration project at the City owned North Oakland Sports Field to enhance habitat function and educational opportunities.	The North Oakland Sports Field is used frequently by groups from all over Oakland and the East Bay.

EXHIBIT A

CREEK RESTORATION PROJECT LIST

Dist	Project Name & Description	Notes
	WATERSHED AND CREEK IMPROVEMENT PROJECTS	
1	Temescal Creek Tributary Restoration Project (Runs from Tunnel Rd. to Westmoreland Dr.) Demonstration project- restoration of culverted creek; enhancement of existing riparian corridor, slope stabilization; channel stabilization to provide example of how to enhance stormwater conveyance functions and integration of fire-safe vegetation into landscaping plans.	This project would require either acquiring the land or easements. The project is supported by the North Hills Phoenix Association and neighborhood landowners and residents. The project would improve ongoing drainage issues in this area.
1	Temescal Creek, FROG Greenbelt Restoration and introduction of native plantings to the uncompleted section of the new Greenbelt. Install interpretative signage along Temescal Creek Greenbelt.	This project would complete the Rockridge-Temescal Greenbelt in coordination with the immediate construction of Phase II of the park development and creek restoration.

EXHIBIT A

WATERSHED ACQUISITION LIST

Dist	ACQUISITION PROJECTS	Notes
7	Arroyo Viejo Creek, Oak Knoll	Acquisition of creekside easement for possible daylighting, riparian habitat restoration and trail development.
6	Arroyo Viejo Creek, 73rd Avenue Branch	Acquisition of easement along Arroyo Viejo tributary for creek re-alignment and re-vegetation. Project within a blighted area. Project supported by neighbors.
7	Arroyo Viejo Creek, Rifle Range Branch	Acquisition of easement or property to protect up to 30 acres of riparian habitat. Project could provide trail access, habitat protection and hydrological connectivity.
4	Palo Seco Creek, Main Branch	Acquisition of up to 20 acres to provide hydrologic connectivity and access to public lands.
4	Peralta Creek, Butters Branch	Acquisition of Butters Canyon land and easements in partnership with local land trust. Parcels within relatively undeveloped riparian corridor. Lands provide habitat, hydraulic and recreational connectivity.
4	Peralta Creek, Berlin Branch	Acquisition of land or conservation easements along Berlin Branch. Project offers potential for restoration and development of a pocket park.
4	Peralta Creek, Main Branch	Acquisition of creekside parcels along main branch of Peralta Creek with potential for restoration. Potential for partnership with local creek organization.
4	Sausal Creek, Castle Highlands	Acquisition of up to 35 acres in Castle Highlands to connect parklands and preserve riparian corridor.
7	San Leandro Creek, Main Branch	Acquisition of undeveloped parcels to connect parklands and preserve riparian corridor.
1	Temescal Creek Tributary, Tunnel Road	Acquisition of property with potential for daylighting, habitat enhancement and slope stabilization. Potential for partnership with local neighborhood organizations.
1	Temescal Creek Tributary, Grizzly Peak	Acquisition of property with potential for trail connection to public lands. Potential partnership with local neighborhood organizations for funding and on-going stewardship.
1	Vicente Creek Tributaries	Acquisition of land and conservation easements along two branches of Vicente Creek. Opportunity to create permanent open space and native wildlife habitat. Potential partnership with local neighborhood organizations for funding and on-going stewardship.

EXHIBIT A

COMPLETED PROJECTS

Dist	COMPLETED PROJECTS	Notes
1	Glen Echo Creek Restoration Phase I and II (at Monte Vista) Native habitat restoration project at Glen Echo Park. The project removed non-native vegetation, regraded banks, established native plants, and realigned the channel.	This project was done in conjunction with Alameda County Flood Control and Water Conservation District.
6	Arroyo Viejo Park Creek Restoration Phase I and II This project removed a failing concrete channel, regraded creek banks, revegetated creek banks with riparian plants, installed pathways and picnic areas, replaced an old deteriorating concrete amphitheatre with a pervious seating and stage area sculpted into the grade of the creek bank.	This project done in collaboration with the Alameda County Flood Control and Water Conservation District.
4	Sausal Creek Restoration Project in Dimond Canyon This project removed an old deteriorating concrete spillway and two trash racks, restored the natural meander, and revegetated creek banks. The project also included trail improvements.	This project was done in collaboration with the Alameda County Flood Control and Water Conservation District and the Friends of Sausal Creek.
5	Peralta Creek at Cesar Chavez Park This project removed a portion of a concrete bypass culvert, replaced an old deteriorating bridge, regraded the creek channel, revegetated the creek banks and created pathways along the creek.	This project was a collaboration with the Alameda County Flood Control and Water Conservation District and the Unity Council.

EXHIBIT B

Creeks and Waterways Restoration and Acquisition Programs Oakland's Trust for Clean Water and Safe Parks (Measure DD)

The following are the required project criteria and the prioritization criteria developed at public meetings using a consensus process to assist in the prioritization of creek restoration and watershed acquisition projects that will receive Measure DD funding.

Required Criteria for Creek Restoration and Watershed Acquisition Projects

- Potential for water quality improvements
Helps meet State water regulations
- Public accessibility
Provides access to the public
- Feasibility
Physical features of the site allow for restoration, cost of project is feasible
- Balance of projects throughout the City
Projects distributed throughout the City
- Consideration of long-term maintenance
Project has some type of commitment to long-term maintenance, i.e. community volunteers, existing maintained area or other maintenance resources available

Exhibit B:
Creek Restoration Criteria

Criteria	Points
<ul style="list-style-type: none"> • Potential for hydrological improvements and flooding prevention Increase flow capacity, improve/restore creek meander and pools etc. 	5
<ul style="list-style-type: none"> • Potential for plant and wildlife habitat improvements Restoration of diverse native plant population, amphibian, birds etc. is feasible 	
<ul style="list-style-type: none"> • Urgency Opportunity will be missed, will lose existing funding etc. 	
<ul style="list-style-type: none"> • Community desire/interest/support Local community supports the project, has raised matching funds for the project 	
<ul style="list-style-type: none"> • Potential opportunities to leverage private and public funding Project meets criteria of other funding sources 	
<ul style="list-style-type: none"> • Public safety and Health Risk Conditions of the site pose a health and safety hazard such as unstable bank, erosion that threatens a structure, etc. 	
<ul style="list-style-type: none"> • Trail connections Provides opportunity for installation of trails that would connect to existing trail network 	3
<ul style="list-style-type: none"> • Potential for creating community stewardship Project would provide a catalyst for developing community stewardship 	
<ul style="list-style-type: none"> • Readiness Already designed, partial funding, etc. 	
<ul style="list-style-type: none"> • Properties with native rainbow trout population 	
<ul style="list-style-type: none"> • Potential for creating new social and economic community benefit Project would provide a significant improvement to the local area 	
<ul style="list-style-type: none"> • Education/Interpretation Project allows for educational opportunities and/or interpretive signage 	1
<ul style="list-style-type: none"> • Balance among local, citywide and regional projects Project helps to maintain a balance among local, citywide and regional projects 	
<ul style="list-style-type: none"> • Bang for Buck Project provides a good value 	
<ul style="list-style-type: none"> • Inclusion of ADA element Project includes facilities appropriate for use by disabled people 	
<ul style="list-style-type: none"> • Daylighting Site features would allow for the creek to be removed from a culvert 	
<ul style="list-style-type: none"> • Projects with citywide and regional significance Projects that will be used by people from all over the City and region 	

Exhibit B:
Watershed Acquisition Criteria

Criteria	Points
<ul style="list-style-type: none"> • Urgency Opportunity will be missed, property will be sold or developed, no alternative to acquisition exists, etc. 	5
<ul style="list-style-type: none"> • Properties in headwater areas that provide water quality protection value to downstream areas Properties at the very top of a creek that may not have an obvious creek bed but are the beginning of a creek 	
<ul style="list-style-type: none"> • Properties that provide critical linkages to other open space and or habitat 	
<ul style="list-style-type: none"> • Properties with existing creekside native wildlife and habitat Plants, amphibians, birds, etc. native to creek areas (riparian plant and wildlife) already occurring at site 	
<ul style="list-style-type: none"> • Education/Interpretation Site allows for educational opportunities and/or interpretive signage 	3
<ul style="list-style-type: none"> • Properties that provide significant hydrological, flood control, erosion, undermining, or water quality protection value 	
<ul style="list-style-type: none"> • Properties that provide valuable new open space and recreation opportunities 	
<ul style="list-style-type: none"> • Properties with native rainbow trout populations 	
<ul style="list-style-type: none"> • Community desire/interest/support Local community supports acquisition, has raised matching funds for the project 	
<ul style="list-style-type: none"> • Readiness - ease of purchase or donation Property owner is supportive or interested in selling or donating land 	
<ul style="list-style-type: none"> • Properties that have potential opportunities to leverage funding Project meets criteria of other private and public funding sources 	
<ul style="list-style-type: none"> • Properties with potential for high value creek habitat restoration Area where native plants natural to creek areas could be established 	1
<ul style="list-style-type: none"> • Balance among local, citywide and regional projects Project helps to maintain a balance among local, citywide and regional projects 	
<ul style="list-style-type: none"> • Projects with citywide and regional significance Projects that will be used by people from all over the City and region 	
<ul style="list-style-type: none"> • Properties that provide trail connection Provides opportunity for installation of trails that would connect to existing trail network 	
<ul style="list-style-type: none"> • Bang for Buck Site provides a good value 	
<ul style="list-style-type: none"> • Daylighting Site features would allow for the creek to be removed from a culvert 	

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