

SAN MATEO COUNTY

Environmental Services Agency

Date: February 20, 2001

Hearing Date: March 13, 2001

TO: The Honorable Board of Supervisors

FROM: Marcia Raines, Director Environmental Services *MR*

SUBJECT: GRANT APPLICATION TO THE CALIFORNIA COASTAL CONSERVANCY FOR SAN BRUNO MOUNTAIN STATE AND COUNTY PARK HABITAT RESTORATION (\$81,670), EDGEWOOD PARK AND NATURAL PRESERVE HABITAT RESTORATION AND EDUCATIONAL/INTERPRETIVE SIGNAGE (\$17,000), AND WERDER FISHING PIER MASTER PLAN (\$100,000); AND AUTHORIZING THE DIRECTOR OF THE ENVIRONMENTAL SERVICES AGENCY TO EXECUTE AND SUBMIT ANY OTHER SUBSEQUENT DOCUMENTS RELATED TO THE GRANT.

RECOMMENDATIONS:

1. Adopt a resolution authorizing the Director of Environmental Services Agency to submit three grant applications to the California Coastal Conservancy for projects titled San Bruno Mountain State and County Park Habitat Restoration (\$81,670), Edgewood Park and Natural Preserve Habitat Restoration and Educational/Interpretive Signage (\$17,000), and Werder Fishing Pier Master Plan (\$100,000).
2. Authorize the Director of Environmental Services Agency to execute any other documents, required by and for the grants

BACKGROUND:

The California Coastal Conservancy was established in 1976 by the State Legislature with the mission is to purchase, protect, restore, and enhance coastal resources, and to provide access to the shore. The Coastal Conservancy works in partnership with local governments, other public agencies, nonprofit organizations, and private landowners.

Staff of the Parks and Recreation Division has matched three of its critical project needs with this funding opportunity.

DISCUSSION:

In accordance to their goals and grant guidelines, staff of San Mateo County Parks and Recreation Division submitted applications for three separate projects. The California Coastal Conservancy

has indicated interest in funding these projects. A resolution from the Board of Supervisors is needed for each grant application. The projects are:

San Bruno Mountain State and County Park Habitat Restoration

Requested Amount: \$465,470 Total Project: \$630,821

San Bruno Mountain State and County Park encompasses approximately 2,064 acres in northern San Mateo County. It provides the public an invaluable open space experience in the midst of the urban areas of San Mateo and San Francisco counties. In addition to open space and recreational opportunities, this park's climate, geology and topography provides habitat to a variety of rare, endangered and unique species of plants and animals. It has been cited as one of the most important and threatened biodiversity sites in the United States. (E.O. Wilson, The Diversity of Life, 1992).

Unfortunately, the presence of invasive non-native vegetation threatens San Bruno Mountain's important habitat areas. The project will focus on approximately 175 acres in the northeastern quadrant of the park for comprehensive restoration. This proposed project would promote and enhance the unique ecological biodiversity of San Bruno Mountain while providing the public additional access, recreational and educational opportunities.

This project will be completed over three years with the first year of potential funding in the amount of \$82,000 from the Coastal Conservancy.

Edgewood Park and Natural Preserve

Requested Amount: \$366,940 Total Project: \$482,791

The nutrient poor serpentine grasslands at Edgewood Natural Preserve support the last remaining population of the threatened Bay Checkerspot butterfly in San Mateo County, along with a dazzling diversity of native wildflowers and bunchgrasses. This population numbered in the thousands in the mid-1990s, but now appears critically low with only 100 butterflies or less in the largest block of habitat and none in the smaller patches based on the Edgewood, annual, butterfly census taken by Stuart Weiss, ecology consultant. A major cause of the decline has been invasion by introduced annual grasses that choke out the larval hostplants of the butterfly on all but the thinnest soils.

This proposal is for an intensive restoration effort to arrest and reverse the invasion of grasses and other exotic species into this important refuge for native biodiversity, and recover the local butterfly and native plant population.

This is a three-year project with the first year of potential funding in the amount of \$17,000 from the Coastal Conservancy for educational/interpretive materials and signage.

Werder Fishing Pier Master Plan

Requested Amount: \$100,000 Total Project: \$100,000

This project proposes the commencement and completion of a Master Plan for the San Mateo Fishing Pier, which was once the westerly remains of the original San Mateo Bridge connecting

the Peninsula with the East Bay. After the new bridge structure was completed, San Mateo County assumed management of the remaining bridge structure to provide a unique recreational opportunity. This facility could allow pedestrian access to fishing in the bay. It is the only place in the Bay where sturgeon and bass can be caught from a pier. To improve the area, San Mateo County has purchased land at the base of the pier to provide parking and restroom facilities.

The bridge was obtained in a somewhat deteriorated condition and further deterioration resulted in a determination that it is now unsafe. Additional damage was incurred from the pier's utilization as a construction site during the seismic retrofit of the San Mateo Bridge.

With proper Master Plan implementation, this facility can offer a unique opportunity to visitors and residents of the San Francisco Bay area. Once renovated, this facility could serve as a cornerstone to the proposed Shoreline Park connecting Coyote Point Park to Foster City and as a major attraction along the Bay Trail.

Additionally, this project proposes the implementation of a pilot educational program surrounding the San Mateo Fishing Pier. With the cooperation of the California Academy of Science, the California Conservation Corps, and local school districts, an educational program could begin soon after completion of the Master Plan.

FISCAL IMPACT:

There will be no significant impact on the Parks and Recreation Division's budget. Although matching funds from other sources such as Off-Highway Vehicle Fund and volunteer resources will be utilized, there is no specific requirement for matching funds under this grant program. Existing staff resources will be spent overseeing proper project implementation and oversight.

A further delineation of the match for each grant is as follows:

Project	Grant request	Local Match				Total
		Gen. Fund	OHV	Other	In-kind	
San Bruno Mountain County and State Park Habitat Restoration	465,470	0	60,000	141,601*	23,750	630,821
Edgewood Park and Natural Preserve Habitat Restoration	366,940	0	50,000	42,101**	23,750	482,791
Werder Fishing Pier Master Plan	100,000	0		0	0	100,000

* Includes volunteer resources and \$30,000 from the HCP

** Includes volunteer resources

REVIEW BY OTHERS:

The San Mateo County Park and Recreation Commission recommends the Board of Supervisors approve the three grant applications to the California Coastal Conservancy for the San Bruno Mountain County and State Park Habitat Restoration, Edgewood Park and Natural Preserve Habitat Restoration and Educational/Interpretive Signage, and Werder Fishing Pier Master Plan

The County Counsel's Office has reviewed the resolution and finds it in order.

RESOLUTION AUTHORIZING THE DIRECTOR OF THE ENVIRONMENTAL SERVICES AGENCY TO SUBMIT THREE GRANT APPLICATIONS TO THE CALIFORNIA COASTAL CONSERVANCY FOR SAN BRUNO MOUNTAIN STATE AND COUNTY PARK HABITAT RESTORATION (\$81,670), EDGEWOOD PARK AND NATURAL PRESERVE HABITAT RESTORATION AND EDUCATIONAL/INTERPRETIVE SIGNAGE (\$17,000), AND WERDER FISHING PIER MASTER PLAN (\$100,000); AND AUTHORIZING THE DIRECTOR OF THE ENVIRONMENTAL SERVICES AGENCY TO EXECUTE AND SUBMIT ANY OTHER SUBSEQUENT DOCUMENTS RELATED TO THE GRANT.

RESOLVED, by the Board of Supervisors of the County of San Mateo, State of California, that;

WHEREAS, the California Coastal Conservancy has been delegated the responsibility for the administration of Conservancy funds within the State, setting up necessary procedures governing application by local agencies, under the program;

WHEREAS, said procedures established by the California Coastal Conservancy require the applicant to certify by resolution approval of the application before submission of said application to the State;

WHEREAS, if awarded a grant, the applicant will enter into an agreement with the State of California for development of the project; and

NOW, THEREFORE, IT IS HEREBY DETERMINED AND ORDERED, that the San Mateo County Board of Supervisors by adoption of this resolution hereby authorizes the submittal of three applications to the California Coastal Conservancy for grant funds; and

IT IS FURTHER ORDERED, that the Director of Environmental Services Agency of the County of San Mateo is hereby authorized and empowered to execute in the name of the County of San Mateo all necessary applications, contracts, agreements, amendments and payment requests hereto for the purposes of securing grant funds and to implement and carry out the purposes specified in the grant application.

Coastal
Conservancy

GRANT APPLICATION

Applicant Information

Applicant Name (organization) San Mateo County, Environmental Services Agency

Address 455 County Center, 4th Floor

Redwood City, California 94063-1646

Contact Name Mary E Burns, Director, Parks and Recreation Division

Telephone # 650-363-4020 Fax 650-599-1721 E-mail mburns@co sanmateo.ca.us

Signature _____ Date _____

For non-profit organizations, Federal Tax ID# _____

Project Information

Project title San Bruno Mountain Restoration Program

Project location City Daly City, Colma, Brisbane County San Mateo County
Street Guadalupe Parkway Cross Street Not applicable

Proposed starting date 02/2001 Estimated completion date 02/2004

Project Elements Check one or more, if applicable.

- | | |
|--|--|
| <input checked="" type="checkbox"/> San Francisco Bay Trail or connections | <input type="checkbox"/> Acquisition of open space for recreation |
| <input checked="" type="checkbox"/> Bay Area Ridge Trail Or connections | <input type="checkbox"/> Acquisition of land for habitat protection or restoration |
| <input type="checkbox"/> California Coastal Trail or connections | |
| <input checked="" type="checkbox"/> Trail connections between population centers and public facilities | <input type="checkbox"/> Acquisition to protect agricultural land |
| <input checked="" type="checkbox"/> Recreation facilities | <input type="checkbox"/> Watershed protection |
| | <input checked="" type="checkbox"/> Restoration or enhancement of natural habitats or connection corridors |

**San Francisco Bay Area Conservancy Program
Grant Application**

Funding Request (Note: Fiscal years (Fys) are from July 1 to June 30.)

San Francisco Bay Area Conservancy Program funds: \$465,470

FY 00/01 \$ 81,670 FY 01/02 \$ 233,300 FY 02/03 \$ 150,500

Matching funds:

FY 00/01 \$ <u>13,917</u>	Source <u>San Mateo County</u>	Expected commitment date: <u>03/2001</u>
\$ <u>5,000</u>	Source <u>Volunteers</u>	Expected commitment date: <u>03/2001</u>
\$ <u>10,000</u>	Source <u>HCP</u>	Expected commitment date <u>03/2001</u>
FY 01/02 \$ <u>14,217</u>	Source <u>San Mateo County</u>	Expected commitment date: <u>07/2002</u>
\$ <u>6,000</u>	Source <u>Volunteers</u>	Expected commitment date <u>07/2002</u>
\$ <u>10,000</u>	Source <u>HCP</u>	Expected commitment date <u>07/2002</u>
FY 02/03 \$ <u>91,217</u>	Source <u>San Mateo County</u>	Expected commitment date <u>07/2003</u>
\$ <u>5,000</u>	Source <u>Volunteers</u>	Expected commitment date: <u>07/2003</u>
\$ <u>10,000</u>	Source <u>HCP</u>	Expected commitment date: <u>07/2003</u>

TOTAL PROJECT COST : \$ 630,821

In-kind contributions (please describe and estimate value): _____

In-kind contributions will be provided by San Mateo County, Volunteers of the Friends of San Bruno Mountain. This amount over the course of the project is estimated to be a value of \$70,351

TIMELINE

Please list all significant project steps (for example, California Environmental Quality Act compliance, obtaining of permits, appraisal preparation and other land acquisition procedures, commencement of construction, and project completion) and the expected dates for reaching or completing those steps

Please see attached detailed task description.

Detailed Project Steps

Defined Geographic Areas:

- Area 1: Lower Wax Myrtle Ravine: Easterly bend of ravine towards eastern park boundary
- Area 2: Upper Wax Myrtle Ravine. North of Eucalyptus Loop Trail to easterly bend of ravine
- Area 3: Lower Eastern Ridge Line North of Eucalyptus Loop Trail
- Area 4: Upper Eastern Ridge Line South of Eucalyptus Loop Trail to junction of Summit Loop
And Dairy Ravine trails
- Area 5: Dairy Ravine: South of native plant area between Dairy Ravine and Summit Loop trails
- Area 6: Upper Cable Ravine: South of Summit (Radio) Rd between Summit Loop trail and
And Racoon Ridge
- Area 7: Lower Cable Ravine. North of Summit (Radio) Rd and east of drainage area

Specific Tasks

Vegetation Management:

1. Remove invasive, non-native plant species. These species include Gorse, Acacia, Pampas Grass, Cotoneaster, Cape Ivy, English Ivy, Himalaya Blackberry, Poison Hemlock, Bull Thistle, Mustard, Radish, and Velvet Grass.

Defined Geographic Areas: Areas 2,4,5

Task	Est. Start Date	Est Completion Date
Exotic Removal Strategy Development	02/2001	06/2001
Integrated Exotic Management	06/2001	06/2003

2. Remove invasive, non-native plant species. These species include Gorse, Acacia, Pampas Grass, Cotoneaster, Cape Ivy, English Ivy, Himalaya Blackberry, Poison Hemlock, Bull Thistle, Mustard, Radish, and Velvet Grass.

Defined Geographic Areas: Areas 1,3,6,7

Exotic Removal Strategy Development	02/2001	06/2001
Integrated Exotic Management	06/2001	02/2004

3. Sustain previous Eucalyptus removal. Remove Eucalyptus stumps, stacks, sprouts and seedlings.

Defined Geographic Areas: Areas 1, 2

Task	Est. Start Date	Est. Completion Date
Remove Sprouts, Stack	03/2001	09/2001
Mobilize Debris	09/2001	09/2001
Grind/Chip Sprouts, Stack	09/2001	11/2001
Remove Seedlings	03/2001	06/2001
Chemical Application: Stumps	06/2001	08/2001
Chemical Application: Sprouts	05/2002	07/2002

4. Eradicate additional invasive, non-native plant species and reduce fire load through the use of controlled burns.

Defined Geographic Areas: Areas 2,3

Task	Est Start Date	Est Completion Date
Compose Burn Plan	03/2001	06/2001
Prepare Sites	08/2001	10/2001
Acquire applicable permits	06/2001	10/2001
Controlled Burn	10/2001	03/2002

5. Eradicate additional invasive, non-native plant species and reduce fire load through the use of controlled burns.

Defined Geographic Areas: Areas 1,4,5

Task	Est. Start Date	Est Completion Date
Compose Burn Plan	03/2001	06/2001
Prepare Sites	08/2002	10/2002
Acquire applicable permits	06/2002	10/2002
Controlled Burn	10/2002	03/2003

6. Implement erosion control methods.

Defined Geographic Areas: Areas 1,2,3,4,5

Task	Est. Start Date	Est Completion Date
Handwork correction	09/2001	11/2001
Identify specific needs and methods	07/2002	09/2002
Purchase material	08/2002	08/2002
Install preferred method	08/2002	10/2002

7. Repair damage to area caused by illegal off-highway vehicular activities.

Defined Geographic Areas: Areas 3,4,5,6

Task	Est. Start Date	Est. Completion Date
Identify specific needs and methods	07/2001	09/2002
Purchase material	08/2002	10/2002
Install preferred method	10/2002	12/2002

8. Reintroduce native plant species to damaged and altered landscapes to foster butterfly habitat. The planting plan will include specifics relating to the detail preparation of ten planting islands. These include Silver Lupin, Coast Buckwheat, Golden Astor and Viola. The implementation of an on-site nursery will allow preparation and availability of native (site-specific) plant species. The on-site nursery will also ensure the continuing success of the program.

Defined Geographic Areas:

Task	Est. Start Date	Est. Completion Date
Volunteer Seed Collection	03/2001	08/2001
Planting Plan	08/2001	12/2001
Nursery Construction	03/2001	08/2001
Growing Selected Species	On-going	
Plant Installation and Maintenance	09/2001	02/2004

Trail Development:

- 9 Design and reconstruct the Old Ranch Road Trail.

Task	Est. Start Date	Est. Completion Date
Initial Brushing, Hand	05/2001	07/2001
Initial Brushing, Equipment	05/2001	07/2001
Preliminary Design/Engineering	07/2001	09/2001
Agency/Public Review	09/2001	11/2001
Applicable Permits	09/2001	11/2001
Final Plans and Specifications	09/2001	02/2002
Notice to Proceed	03/2002	05/2002
Construction	05/2002	08/2002

Educational Program:

- 10 Design and implement an educational program including interpretive signage and brochures

Task	Est. Start Date	Est. Completion Date
Design	05/2001	08/2001
Agency/Public Review	08/2001	11/2001
Materials Procurement	11/2001	02/2002
Installation	03/2002	06/2002

11. Project Management/Administration

This program will require project management/administration activities including, but not limited to, grant administration, project oversight, project coordination, fiscal administration, consultant procurement, contract monitoring, volunteer coordination, permit acquisition.

***San Francisco Bay Area Conservancy Program
Grant Application***

San Bruno Mountain Restoration Project Description

San Bruno Mountain State and County Park encompasses approximately 2,064 acres in northern San Mateo County. It provides the public an invaluable open space experience in the midst of the urban areas of San Mateo and San Francisco counties. In addition to open space and recreational opportunities, this park's climate, geology and topography provides habitat to a variety of rare, endangered and unique species of plants and animals. It has been cited as one of the most important and threatened biodiversity sites in the United States (E. O. Wilson, *The Diversity of Life*, 1992)

Unfortunately, the presence of invasive non-native vegetation combined, with inadequate habitat management threatens San Bruno Mountain's important habitat areas. This proposal delineates an area of approximately 175 acres in the northeastern quadrant of the park for comprehensive restoration. This proposed project will promote and enhance the unique ecological biodiversity of San Bruno Mountain while providing the public additional access, recreational and educational opportunities.

The comprehensive program consists of two primary elements, habitat restoration and community outreach.

Habitat Restoration Element.

On completion of this element, this project will stabilize and enhance the area's existing ecological system reversing the diminishing endangered species populations in the area including the Mission Blue and Callippe Silverspot butterflies. The habitat restoration element proposes to:

- Remove invasive, non-native plant species. The primary species include gorse, acacia, pampas grass, fennel and ivies.
- Sustain previous Eucalyptus removal. This includes removal of Eucalyptus stumps, stacks, sprouts and seedlings.
- Eradicate additional invasive, non-native plant species and reduce fire load through the use of controlled burns.
- Implement erosion control methods.
- Repair damage to areas caused by illegal off-highway vehicular activities.
- Reintroduce native plant species to damaged and altered landscapes.

Community Outreach:

The citizen outreach component will increase public access, recreational and educational opportunities while linking San Bruno Mountain State and County Park to other regional facilities and institutions. Additionally, the citizen outreach element will build a constituency for future stewardship and maintenance for San Bruno Mountain to continue the efforts undertaken with this project. The community outreach element proposes:

- Design and reconstruct the Old Ranch Road Trail.
- Design and implement an educational program including interpretative signage and brochures.
- Utilize volunteers in the habitat conservation element.
- Design and construct a native plant nursery.

*San Francisco Bay Area Conservancy Program
Grant Application*

**CONSISTENCY WITH SAN FRANCISCO BAY AREA CONSERVANCY PROGRAM
SCREENING, PROGRAMMATIC, AND EVALUATION CRITERIA**

Describe how the project is supported by, consistent with, or in conflict with any local or regional plans

This project is consistent with several local and regional plans including the San Bruno Mountain State and County Park General Plan, the Habitat Conservation Plan (HCP), the San Bruno Mountain State and County Park Master Plan, the County of San Mateo General Plan, San Mateo County Trails Plan, Bay Area Ridge Trail Master Plan, and the Bay Trail Plan.

Describe how the project serves a regional constituency. Also describe how the project involves multiple jurisdictions.

As one of the largest expanses of natural landscapes on the northern San Francisco peninsula, this project serves the regional constituency of San Mateo and San Francisco counties. San Bruno Mountain State and County Park also is adjacent to the surrounding municipalities of Daly City, Colma, South San Francisco and Brisbane.

Discuss factors that may influence timely implementation of the project.

The acquisition of applicable permits is a factor that may influence the timely implementation of the project. However, it is not anticipated that the acquisition of permits would hinder the timely implementation of this project.

Does the project provide opportunities or benefits that could be lost if the project is not implemented in the near future?

The successful implementation of this program is critical to the preservation and maintenance of San Bruno Mountain's unique ecological habitats. If this program is not completed, San Bruno Mountain may not be able to continue to support its rare and endangered species. Current data by Thomas Reid and Associates indicate a diminishing population of the butterfly populations.

Is any portion of the project required to mitigate the effects of another project? Is so, please discuss.

No

*San Francisco Bay Area Conservancy Program
Grant Application*

**CONSISTENCY WITH COASTAL CONSERVANCY
PROJECT SELECTION CRITERIA AND GUIDELINES**

Describe public support for the project.

San Bruno Mountain has historically had broad-based public support. Its recent master planning process demonstrated strong public support for the preservation and restoration of essential, supporting ecological habitat. The Friends of San Bruno Mountain, the San Mateo County Parks and Recreation Foundation and the Jefferson High School District also support San Bruno Mountain.

Describe how the project resolves a conflict or addresses more than one issue, if applicable.

This program was created to resolve several issues raised by the San Bruno Mountain Master Plan in a defined geographic area. The Master Plan detailed several specific park issues that will be resolved by this program. The issues specifically resolved by this program include:

1. Declining Butterfly Population
2. Invasive Non-Native Vegetation
3. Connections and Improvements to Park trails
4. Damage from Previous Uses
5. The lack of Interpretative Facilities

Describe any innovative components of the project. For example, could any portion of the project be used to demonstrate new techniques for meeting the goals of the San Francisco Bay Conservancy Program?

There will be no new methods employed during this project.

Is the project directly related to any existing Coastal Conservancy projects?

There are no known existing Coastal Conservancy projects within the San Bruno Mountain State and County Park.

Describe cooperative efforts among partners in this project.

This program partners several key organizations in its implementation including the County of San Mateo, Friends of San Bruno Mountain, the San Mateo County Parks and Recreation Foundation, the California Conservation Corps, the California Native Plant Society, and Thomas Reid Associates, the Habitat Conservation Managers.

This program will not only foster cooperative efforts between the County of San Mateo and the volunteer associations, but will enable continued maintenance efforts to be undertaken by the volunteer organizations.

- ❖ **Applicants proposing construction projects are urged to consider using the California Conservation Corps. If your project involves construction, please indicate whether you have contacted the Corps regarding your project and the results of that contact.**

The California Conservation Corps will be involved during several tasks of the program.

- ❖ **Projects that involve acquisition of property must involve a willing seller. If your project includes property acquisition, please describe your contacts or other relations with the landowner.**

This project does not involve land acquisition

Please attach the following, if applicable to your project:

1. At least two maps as follows (a) a regional map that clearly identifies the project's location in relation to prominent area features and significant natural and recreational resources, including regional trails and protected lands, and (2) a site-scale map that shows the location of project elements in relation to natural and man-made features on-site or nearby.
2. One or more clear photos of the project site

Coastal
Conservancy

GRANT APPLICATION

Applicant Information

Applicant Name (organization) San Mateo County, Environmental Services Agency

Address 455 County Center, 4th Floor

Redwood City, California 94063-1646

Contact Name Mary E Burns, Director, Parks and Recreation Division

Telephone # 650-363-4020 Fax 650-599-1721 E-mail mburns@co sanmateo ca.us

Signature _____ Date _____

For non-profit organizations, Federal Tax ID# _____

Project Information

Project title Edgewood Park and Preserve Habitat Restoration

Project location City City of Redwood County San Mateo County

Street Edgewood Road Cross Street Not applicable

Proposed starting date 04/2001 Estimated completion date 06/2004

Project Elements Check one or more, if applicable.

- | | |
|---|--|
| <input type="checkbox"/> San Francisco Bay Trail or connections | <input type="checkbox"/> Acquisition of open space for recreation |
| <input type="checkbox"/> Bay Area Ridge Trail Or connections | <input type="checkbox"/> Acquisition of land for habitat protection or restoration |
| <input type="checkbox"/> California Coastal Trail or connections | <input type="checkbox"/> Acquisition to protect agricultural land |
| <input type="checkbox"/> Trail connections between population centers and public facilities | <input type="checkbox"/> Watershed protection |
| <input checked="" type="checkbox"/> Recreation facilities | <input checked="" type="checkbox"/> Restoration or enhancement of natural habitats or connection corridors |

Other _____

**San Francisco Bay Area Conservancy Program
Grant Application**

Funding Request (Note Fiscal years (Fys) are from July 1 to June 30.)

San Francisco Bay Area Conservancy Program funds. \$366,940

FY 00/01 \$ 73,620 FY 01/02 \$ 116,120 FY 02/03 \$ 177,200

Matching funds.

FY 00/01 \$ <u>7,917</u>	Source <u>San Mateo County</u>	Expected commitment date <u>03/2001</u>
\$ <u>1,000</u>	Source <u>Volunteers</u>	Expected commitment date: <u>07/2002</u>
\$ _____	Source _____	Expected commitment date: _____
\$ _____	Source _____	Expected commitment date: _____
FY 01/02 \$ <u>67,217</u>	Source <u>San Mateo County</u>	Expected commitment date. <u>07/2002</u>
\$ <u>6,000</u>	Source <u>Volunteers</u>	Expected commitment date: <u>07/2002</u>
\$ _____	Source _____	Expected commitment date. _____
FY 02/03 \$ <u>26,717</u>	Source <u>San Mateo County</u>	Expected commitment date. <u>07/2003</u>
\$ <u>7,000</u>	Source <u>Volunteers</u>	Expected commitment date: <u>07/2003</u>

TOTAL PROJECT COST : \$ 482,791

In-kind contributions (please describe and estimate value): _____

In-kind contributions will be provided by San Mateo County, Volunteers of the Friends of Edgewood. This amount over the course of the project is estimated to be a value of \$65,851.

TIMELINE

Please list all significant project steps (for example, California Environmental Quality Act compliance, obtaining of permits, appraisal preparation and other land acquisition procedures, commencement of construction, and project completion) and the expected dates for reaching or completing those steps.

See attached detail.

Detailed Project Steps

Specific Tasks

Vegetation Management:

1. Perform an intensive field and aerial inventory of existing conditions in the serpentine grasslands, and compare them with historical conditions from aerial photographs. Design a multifactorial restoration experiment including burning, scraping, grazing (goats and cattle), pre-emergent grass specific herbicides, seeding, and control plots. The experimental design will be scientifically rigorous and subjected to peer review prior to implementation.

Defined Geographic Areas: All Areas

Task	Est. Start Date	Est. Completion Date
Field and Aerial Study	04/2001	06/2002
Aerial Photographs	04/2001	02/2002

2. Treatments will start in the second year on 10 x 10 square meter plots. We will monitor the response of introduced grasses and native forbs and decide which treatments are most economical and effective. Because the key plants are annuals, we expect to see rapid responses to treatments.

Task	Est. Start Date	Est. Completion Date
Treatments	07/2002	06/2003

3. Implement favored treatment(s) on a broader scale (several hectares) and develop a long-term management plan for maintaining the habitat. Remove invasive, non-native plant species.

Defined Geographic Areas: All Areas

Task	Est. Start Date	Est. Completion Date
Implement preferred method	07/2003	07/2004

4. Repair damage to area caused by illegal off-highway vehicular activities.

Defined Geographic Area: All Areas

Task	Est. Start Date	Est. Completion Date
Identify specific needs and methods	07/2001	09/2002
Purchase material	08/2002	10/2002
Install preferred method	10/2002	12/2002

Educational Program:

5. Design and implement an educational program including interpretive signage and brochures

Task	Est. Start Date	Est. Completion Date
Design/ Interpretive Kiosk	01/2001	03/2001
Construction	04/2001	05/2001

8. Project Management/Administration

This program will require project management/administration activities including, but not limited to, grant administration, project oversight, project coordination, fiscal administration, consultant procurement, contract monitoring, volunteer coordination, permit acquisition.

San Francisco Bay Area Conservancy Program
Grant Application

Project Description:

The nutrient poor serpentine grasslands at Edgewood Natural Preserve support the last remaining population of the threatened Bay Checkerspot Butterfly on the San Francisco Peninsula, along with a dazzling diversity of native wildflowers and bunchgrasses. This population numbered in the thousands in the mid- 1990's, but is now critically low, only 100 butterflies or less in the largest block of habitat (Area "B", 15 ha) and none in the smaller patches (A,C,D,E, and F; see Map). A major cause of the decline has been invasion by introduced annual grasses that choke out the larval hostplants of the butterfly on all but the thinnest soils

This proposal is for an intensive restoration effort to arrest and reverse the invasion of grasses and other exotic species into this important refuge for native biodiversity, and recover the local butterfly and native plant population. The first year will include.

- An intensive field and aerial inventory of existing conditions in the serpentine grasslands,
- Comparison of the new photos with historical conditions from aerial photographs (1993 photo attached) and previous studies.

All steps required will be subject to peer and management review. Using these data, a multifactorial restoration experiment will be designed including burning, grazing (goats and cattle), pre-emergent grass specific herbicides, seeding, control plots and other suitable techniques. The experimental design will be scientifically rigorous and subjected to peer and management review prior to implementation. Options for captive propagation or reintroduction from extant butterfly populations in Santa Clara County as a last ditch response will be investigated, and the development of a standardized monitoring plan to determine butterfly numbers and distribution will be completed. Collection of onsite native seeds will be initiated, as well as the removal of Eucalyptus trees. We will also investigate potential drivers of the grass invasion - nitrogen deposition from the increased traffic on Highway 280 (which bisects the serpentine, see aerial photograph) and the recent string of wet years. Nitrogen deposition has been linked to grass invasions and butterfly extinctions in the South Bay (Weiss 1999). Modeling studies using EPA approved model (ISCST3) will estimate potential deposition adjacent to the freeway. Nitrogen deposition is pervasive in the Bay Area, and lessons gleaned here will be applicable to many other threatened ecosystems.

Treatments will start in the second year on 10 x 10 square meter plots. We will monitor the response of introduced grasses and native forbs and decide which treatments are most economical and effective. Because the key plants are annuals, we expect to see rapid responses to treatments.

In the third year, we will implement favored treatment(s) on a broader scale (several hectares) and develop a long-term management plan for maintaining the habitat. Adaptive management and continued monitoring will be central to the plan, as the effectiveness of treatments may vary according to yearly weather. Reintroduction will be considered if the butterfly population becomes extinct (possible given low current numbers). This project will help preserve and enhance one of the jewels of the Bay Area, visited by thousands of nature lovers every year. The ongoing grass invasion poses a threat to the native biodiversity that attracts these people. We will be able to rely on numerous volunteers for seed collection and hand weeding, and will use the opportunity for educating the public on the values of ecological restoration.

Citation Weiss, S.B. 1999. Cars, cows, and checkerspot butterflies: nitrogen deposition and management of nutrient-poor grasslands for a threatened species. *Conservation Biology* 13:1476-1486.

*San Francisco Bay Area Conservancy Program
Grant Application*

**CONSISTENCY WITH SAN FRANCISCO BAY AREA CONSERVANCY PROGRAM
SCREENING, PROGRAMMATIC, AND EVALUATION CRITERIA**

Describe how the project is supported by, consistent with, or in conflict with any local or regional plans.

This project is consistent with several local and regional plans including the Edgewood Park and Natural Preserve Master Plan and the County of San Mateo General Plan

Describe how the project serves a regional constituency. Also describe how the project involves multiple jurisdictions.

The Edgewood Park and Reserve serves the regional constituency of the San Francisco Bay Area by offering a preserve of particularly diverse flora and fauna including sensitive habitats with many endemic species, such as the rapidly diminishing, threatened, Bay Checkerspot Butterfly.

Discuss factors that may influence timely implementation of the project.

Although there are no known obstacles to timely completion, the only factor that may influence the timeliness of the project is plan development.

Does the project provide opportunities or benefits that could be lost if the project is not implemented in the near future?

If this project is not started within the next year, it is very likely that there will be no remaining species of the Bay Checkerspot Butterfly within the Edgewood Park and Natural Preserve boundaries.

Is any portion of the project required to mitigate the effects of another project? If so, please discuss.

No.

*San Francisco Bay Area Conservancy Program
Grant Application*

**CONSISTENCY WITH COASTAL CONSERVANCY
PROJECT SELECTION CRITERIA AND GUIDELINES**

Describe public support for the project.

Edgewood Park and Natural Preserve has historically had broad based public support. Its recent master planning process demonstrated strong public support for the preservation and restoration of essential supporting ecological habitats. Edgewood Park additionally is supported by both the Friends of Edgewood Park and the San Mateo Parks and Recreation Foundation.

Describe how the project resolves a conflict or addresses more than one issue, if applicable.

It directly addresses the critical issue of the rapidly, diminishing Bay Checkerspot Butterfly. It also addresses the need for additional interpretive material recommended by the Edgewood Park and Natural Reserve Master Plan.

Describe any innovative components of the project. For example, could any portion of the project be used to demonstrate new techniques for meeting the goals of the San Francisco Bay Conservancy Program?

The technique of systematic preservation of a threatened species, the Bay Checkerspot Butterfly is innovative and will meet the goals of the San Francisco Bay Conservancy Program.

Is the project directly related to any existing Coastal Conservancy projects?

No.

Describe cooperative efforts among partners in this project.

This project is a cooperation between the County of San Mateo, the Friends of Edgewood Park, the San Mateo Parks and Recreation Foundation and the California Conservation Corps.

This program will not only foster cooperative efforts between the County of San Mateo and the volunteer associations, but will enable continued maintenance efforts to be undertaken by the volunteer organizations

***San Francisco Bay Area Conservancy Program
Grant Application***

- ❖ Applicants proposing construction projects are urged to consider using the California Conservation Corps. If your project involves construction, please indicate whether you have contacted the Corps regarding your project and the results of that contact.

The California Conservation Corps will be involved during several tasks of the program.

- ❖ Projects that involve acquisition of property **must** involve a willing seller. If your project includes property acquisition, please describe your contacts or other relations with the landowner.

This project does not involve land acquisition.

Please attach the following, if applicable to your project:

1. At least two maps as follows. (a) a regional map that clearly identifies the project's location in relation to prominent area features and significant natural and recreational resources, including regional trails and protected lands; and (2) a site-scale map that shows the location of project elements in relation to natural and man-made features on-site or nearby.
2. One or more clear photos of the project site.

Coastal
Conservancy

GRANT APPLICATION

Applicant Information

Applicant Name (organization) San Mateo County, Environmental Services Agency
Address 455 County Center, 4th Floor
Redwood City, California 94063-1646
Contact Name Mary E. Burns, Director, Parks and Recreation Division
Telephone # 650-363-4020 Fax 650-599-1721 E-mail mburns@co sanmateo.ca us
Signature _____ Date _____

For non-profit organizations, Federal Tax ID# _____

Project Information

Project title San Mateo Fishing Pier Master Plan
Project location City: Foster City County San Mateo County
Street Not Not applicable Cross Street Not applicable
Proposed starting date 02/2001 Estimated completion date 06/2002

Project Elements Check one or more, if applicable.

- | | |
|---|--|
| <input type="checkbox"/> San Francisco Bay Trail or connections | <input type="checkbox"/> Acquisition of open space for recreation |
| <input type="checkbox"/> Bay Area Ridge Trail Or connections | <input type="checkbox"/> Acquisition of land for habitat protection or restoration |
| <input type="checkbox"/> California Coastal Trail or connections | <input type="checkbox"/> Acquisition to protect agricultural land |
| <input type="checkbox"/> Trail connections between population centers and public facilities | <input type="checkbox"/> Watershed protection |
| <input checked="" type="checkbox"/> Recreation facilities | <input checked="" type="checkbox"/> Restoration or enhancement of natural habitats or connection corridors |

Other Master Plan/Environmental Education

*San Francisco Bay Area Conservancy Program
Grant Application*

Funding Request (Note Fiscal years (Fys) are from July 1 to June 30)

San Francisco Bay Area Conservancy Program funds:

FY 00/01 \$10,000 FY 01/02 \$ \$90,000 FY 02/03 \$ _____

Matching funds

FY 00/01 \$ _____	Source _____	Expected commitment date _____
\$ _____	Source _____	Expected commitment date. _____
\$ _____	Source _____	Expected commitment date _____
FY 01/02 \$ _____	Source _____	Expected commitment date. _____
\$ _____	Source _____	Expected commitment date _____
\$ _____	Source _____	Expected commitment date _____
\$ _____	Source _____	Expected commitment date _____
FY 02/03 \$ _____	Source _____	Expected commitment date _____
\$ _____	Source _____	Expected commitment date _____
\$ _____	Source _____	Expected commitm ent date: _____
\$ _____	Source _____	Expected commitment date _____

TOTAL PROJECT COST : \$ \$100,000

In-kind contributions (please describe and estimate value) _____

Project Management

TIMELINE

Please list all significant project steps (for example, California Environmental Quality Act compliance, obtaining of permits, appraisal preparation and other land acquisition procedures, commencement of construction, and project completion) and the expected dates for reaching or completing those steps.

Request for Proposals:	02/2001
Consultant Procurement:	04/2001
Master Planning Process	04/2001 – 12/2001
Public/Agency Final Review	01/2002-03/2002
Educational Component Implementation:	01/2002-06/2002

Project Description: Clearly describe what is proposed for Conservancy funding within the context of the overall project.

This project proposes the commencement and completion of a Master Plan for the San Mateo Fishing Pier. This present structure of the Fishing Pier is the original San Mateo Bridge connecting San Mateo County to the east bay of San Francisco. After the new bridge structure was completed, San Mateo County assumed management of the original bridge to provide a unique recreational opportunity. This facility allows pedestrian access to fishing in the bay. It is the only place in the Bay where sturgeon and bass can be caught from a pier. The facility has been primarily utilized by people seeking fishing and recreational opportunities. To improve the area, San Mateo County has purchased land at the base of the pier to provide parking and restroom facilities.

Unfortunately, the bridge is no longer available for public use. The damage incurred from the pier's utilization as a construction site during the seismic retrofit of the San Mateo Bridge caused the closure.

With proper Master Plan implementation, this facility can offer a unique opportunity to the visitors to and residents of the San Francisco Bay Area. On renovation, this facility will serve as a cornerstone to the proposed Shoreline Park connecting Coyote Point Park to Foster City and as a major attraction along the Bay Trail.

The Master Plan will include, but will not be limited to the following elements.

1. Basic Master Plan Elements
2. Environmental Impact Statement
3. Educational Program Development

Additionally, this project also proposed the implementation of a pilot educational program surrounding the San Mateo Fishing Pier. It is proposed that an educational component coordination commences immediately after Master Plan completion in cooperation with the California Academy of Sciences, the California Conservation Corps, and the local school districts

**CONSISTENCY WITH SAN FRANCISCO BAY AREA CONSERVANCY PROGRAM
SCREENING, PROGRAMMATIC, AND EVALUATION CRITERIA**

Describe how the project is supported by, consistent with, or in conflict with any local or regional plans.

The San Mateo Fishing Pier is consistent with the County of San Mateo General Plan, the Bay Trail Plan, and the Foster City General Plan.

Describe how the project serves a regional constituency. Also describe how the project involves multiple jurisdictions.

The San Mateo Fishing Pier offers an invaluable educational and recreational resource for the entire San Francisco Bay Area. It is the only pier that serves the sport fishing population of San Mateo and Santa Clara counties. Through the Master Planning process and educational component implementation this project will involve the County of San Mateo, the City of Foster City, the Bay Trail Advisory Committee, the California Conservation Corps, the San Mateo County School District and the California Academy of Sciences.

Discuss factors that may influence timely implementation of the project.

There should be no factors that may influence the timely implementation of the project. The only factor that may influence the timely implementation of the educational component may be a delay in coordination efforts.

Does the project provide opportunities or benefits that could be lost if the project is not implemented in the near future?

The Master Planning process along with a pilot educational program is essential for the success, renovation and use of the San Mateo Fishing Pier.

Is any portion of the project required to mitigate the effects of another project? Is so, please discuss.

No.

**CONSISTENCY WITH COASTAL CONSERVANCY
PROJECT SELECTION CRITERIA AND GUIDELINES**

Describe public support for the project.

The pier has been supported by the sport fishing community.

Describe how the project resolves a conflict or addresses more than one issue, if applicable.

The Master Plan will determine the future of the San Mateo Fishing Pier.

Describe any innovative components of the project. For example, could any portion of the project be used to demonstrate new techniques for meeting the goals of the San Francisco Bay Conservancy Program?

The educational component of the program will provide a permanent link between environmental education organizations and the appropriate governmental organizations, County of San Mateo and Foster City

Is the project directly related to any existing Coastal Conservancy projects?

No

Describe cooperative efforts among partners in this project.

- ❖ Applicants proposing construction projects are urged to consider using the California Conservation Corps. If your project involves construction, please indicate whether you have contacted the Corps regarding your project and the results of that contact

The California Conservation Corps has indicated an interest in the educational component of this proposal

- ❖ Projects that involve acquisition of property **must** involve a willing seller. If your project includes property acquisition, please describe your contacts or other relations with the landowner.

This project does not involve any land acquisition

Please attach the following, if applicable to your project:

- 1 At least two maps as follows: (a) a regional map that clearly identifies the project's location in relation to prominent area features and significant natural and recreational resources, including regional trails and protected lands, and (2) a site-scale map that shows the location of project elements in relation to natural and man-made features on-site or nearby
- 2 One or more clear photos of the project site.