

San Pablo Baylands & San Francisco Flyway Education Project

Project Information

1. Proposal Title:

San Pablo Baylands & San Francisco Flyway Education Project

2. Proposal applicants:

Alex Lantsberg, Arc Ecology

3. Corresponding Contact Person:

Alex Lantsberg
Arc Ecology
833 Market St., Suite 1107 San Francisco, CA 94103
415 495-1786
arc@igc.org

4. Project Keywords:

Environmental Education
Shorebirds
Wetlands Ecology

5. Type of project:

Education

6. Does the project involve land acquisition, either in fee or through a conservation easement?

No

7. Topic Area:

Environmental Education

8. Type of applicant:

Private non-profit

9. Location - GIS coordinates:

Latitude: 38.10687

Longitude: -122.2865982

Datum:

Describe project location using information such as water bodies, river miles, road intersections, landmarks, and size in acres.

Our work will be centered around San Pablo Bay National Wildlife Refuge and the nearby Napa-Sonoma Marshes State Wildlife Area. Together, they span three counties and nearly 40,000 acres. A significant portion of our activity will be focused on Mare Island Shipyard in Vallejo, directly adjacent to the Refuge and Wildlife Area. Target audience will include youth from Vallejo and American Canyon, as well as the diverse stakeholders of Napa, Sonoma, and Solano Counties.

10. Location - Ecozone:

2.2 Napa River, 2.5 San Pablo Bay

11. Location - County:

Napa, Solano, Sonoma

12. Location - City:

Does your project fall within a city jurisdiction?

Yes

If yes, please list the city: Vallejo

13. Location - Tribal Lands:

Does your project fall on or adjacent to tribal lands?

No

14. Location - Congressional District:

7th

15. Location:

California State Senate District Number: 2nd

California Assembly District Number: 7th

16. How many years of funding are you requesting?

3

17. Requested Funds:

a) Are your overhead rates different depending on whether funds are state or federal?

No

If no, list single overhead rate and total requested funds:

Single Overhead Rate: 23

Total Requested Funds: 950,000

b) Do you have cost share partners already identified?

No

c) Do you have potential cost share partners?

Yes

If yes, list partners and amount contributed by each:

San Francisco Foundation 0

d) Are you specifically seeking non-federal cost share funds through this solicitation?

No

If the total non-federal cost share funds requested above does not match the total state funds requested in 17a, please explain the difference:

18. Is this proposal for next-phase funding of an ongoing project funded by CALFED?

No

Have you previously received funding from CALFED for other projects not listed above?

Yes

If yes, identify project number(s), title(s) and CALFED program.

2000/2001 70 Yosemite Watershed Restoration Assessment Project Watershed

19. Is this proposal for next-phase funding of an ongoing project funded by CVPIA?

No

Have you previously received funding from CVPIA for other projects not listed above?

No

20. **Is this proposal for next-phase funding of an ongoing project funded by an entity other than CALFED or CVPIA?**

No

Please list suggested reviewers for your proposal. (optional)

Torri Estrada CALFED Watershed Program (415) 572-6515 tjestrada@msn.com

**Dennis Sacramento River (530)
Bowker Watershed Program 661-3635 dennisbowker@volcano.net**

**Chip CalEPA Department of Toxic Substances Control - (510)
Gribble Military Base Divison 540-3773**

Rick Morat US Fish and Wildlife Service Coastal Program (916) 414-6571

21. **Comments:**

Environmental Compliance Checklist

San Pablo Baylands & San Francisco Flyway Education Project

1. CEQA or NEPA Compliance

a) Will this project require compliance with CEQA?

No

b) Will this project require compliance with NEPA?

No

c) If neither CEQA or NEPA compliance is required, please explain why compliance is not required for the actions in this proposal.

No physical changes are being proposed or investigated

2. If the project will require CEQA and/or NEPA compliance, identify the lead agency(ies). If not applicable, put "None".

CEQA Lead Agency:

NEPA Lead Agency (or co-lead):

NEPA Co-Lead Agency (if applicable):

3. Please check which type of CEQA/NEPA documentation is anticipated.

CEQA

-Categorical Exemption

-Negative Declaration or Mitigated Negative Declaration

-EIR

Xnone

NEPA

-Categorical Exclusion

-Environmental Assessment/FONSI

-EIS

Xnone

If you anticipate relying on either the Categorical Exemption or Categorical Exclusion for this project, please specifically identify the exemption and/or exclusion that you believe covers this project.

4. CEQA/NEPA Process

a) Is the CEQA/NEPA process complete?

Not Applicable

b) If the CEQA/NEPA document has been completed, please list document name(s):

5. Environmental Permitting and Approvals (If a permit is not required, leave both Required? and Obtained? check boxes blank.)

LOCAL PERMITS AND APPROVALS

Conditional use permit

Variance

Subdivision Map Act

Grading Permit

General Plan Amendment

Specific Plan Approval

Rezone

Williamson Act Contract Cancellation

Other

STATE PERMITS AND APPROVALS

Scientific Collecting Permit Obtained

CESA Compliance: 2081 Obtained

CESA Compliance: NCCP Obtained

1601/03 Obtained

CWA 401 certification

Coastal Development Permit

Reclamation Board Approval

Notification of DPC or BCDC

Other

FEDERAL PERMITS AND APPROVALS

ESA Compliance Section 7 Consultation

ESA Compliance Section 10 Permit

Rivers and Harbors Act

CWA 404

Other

PERMISSION TO ACCESS PROPERTY

Permission to access city, county or other local agency land.

Agency Name:

Permission to access state land.

Agency Name:

Permission to access federal land.

Agency Name: Fish and Wildlife Service, Department of the Interior; United
States Navy, Department of Defense

Required

Permission to access private land.

Landowner Name:

6. Comments.

Both DFW and the Navy have been long-time Festival supporters. We do not anticipate any problems in securing the required access permission.

Land Use Checklist

San Pablo Baylands & San Francisco Flyway Education Project

1. **Does the project involve land acquisition, either in fee or through a conservation easement?**

No

2. **Will the applicant require access across public or private property that the applicant does not own to accomplish the activities in the proposal?**

Yes

3. **Do the actions in the proposal involve physical changes in the land use?**

No

If you answered no to #3, explain what type of actions are involved in the proposal (i.e., research only, planning only).

Wildlife observation, water sample collection, and litter pick up

4. **Comments.**

Conflict of Interest Checklist

San Pablo Baylands & San Francisco Flyway Education Project

Please list below the full names and organizations of all individuals in the following categories:

- Applicants listed in the proposal who wrote the proposal, will be performing the tasks listed in the proposal or who will benefit financially if the proposal is funded.
- Subcontractors listed in the proposal who will perform some tasks listed in the proposal and will benefit financially if the proposal is funded.
- Individuals not listed in the proposal who helped with proposal development, for example by reviewing drafts, or by providing critical suggestions or ideas contained within the proposal.

The information provided on this form will be used to select appropriate and unbiased reviewers for your proposal.

Applicant(s):

Alex Lantsberg, Arc Ecology

Subcontractor(s):

Are specific subcontractors identified in this proposal? Yes

If yes, please list the name(s) and organization(s):

Arthur Feinstein Golden Gate Audubon Society

Helped with proposal development:

Are there persons who helped with proposal development?

No

Comments:

Budget Summary

San Pablo Baylands & San Francisco Flyway Education Project

Please provide a detailed budget for each year of requested funds, indicating on the form whether the indirect costs are based on the Federal overhead rate, State overhead rate, or are independent of fund source.

Independent of Fund Source

Year 1												
Task No.	Task Description	Direct Labor Hours	Salary (per year)	Benefits (per year)	Travel	Supplies & Expendables	Services or Consultants	Equipment	Other Direct Costs	Total Direct Costs	Indirect Costs	Total Cost
1	Project Management/Direction	2080	37500	2500	0	3000				43000.0	4850	47850.00
1a	Quarterly Reporting	208								0.0		0.00
1b	External communications, presentations	312								0.0		0.00
1c	Mare Island RAB, misc. meetings, document review	520								0.0		0.00
1d	Classroom Program oversight incl. program evaluation, teacher meetings, staff assistance, curriculum development	520								0.0		0.00
2	Mare Island Restoration Oversight	3120	56500	3750		4500				64750.0	7275	72025.00
2a	enviornmental document reiew, RAB meeting attendance, regulator meetings, stakeholder meetings	1560								0.0		0.00
2b	redevelopment document review, including meeting with municipal staff, regulators, stakeholders, presentations	1560								0.0		0.00
3	Classroom Program	2080	37500	2500		3000				43000.0	4850	47850.00
3a	curriculum development, evaluation, & refinement	520								0.0		0.00
3b	direct classroom activities	1040								0.0		0.00
3c	student & teacher outreach and follow up	520								0.0		0.00
4	Festival Organizing and General Outreach	2080	37500	2500		25000				65000.0	4850	69850.00

4a	infomational materials development, publication, refinement	520								0.0		0.00
4b	community outreach	520								0.0		0.00
4c	festival organizing	1040								0.0		0.00
5	educational curriculum development						37500			37500.0		37500.00
6	student intern						5200			5200.0		5200.00
7	outreach materials prinitng and distrivbution					3000				3000.0		3000.00
8	website development					2500				2500.0		2500.00
		18200	169000.00	11250.00	0.00	41000.00	42700.00	0.00	0.00	263950.00	21825.00	285775.00

Year 2												
Task No.	Task Description	Direct Labor Hours	Salary (per year)	Benefits (per year)	Travel	Supplies & Expendables	Services or Consultants	Equipment	Other Direct Costs	Total Direct Costs	Indirect Costs	Total Cost
1	PROJECT MANAGEMENT (same tasks as Y1)	2080	37500	2500		3000				43000.0	4850	47850.00
2	Mare Island Restoration Oversight (same tasks as Y1)	3120	56500	3750		4500				64750.0	7275	72025.00
3	Classroom Program	2080	37500	2500		3000				43000.0	4850	47850.00
4	Festival Organizing and General Outreach	2080	37500	2500		25000				65000.0	4850	69850.00
5	student interns						5200			5200.0		5200.00
6	outreach materials printing on						3000			3000.0		3000.00
		9360	169000.00	11250.00	0.00	35500.00	8200.00	0.00	0.00	223950.00	21825.00	245775.00

Year 3												
Task No.	Task Description	Direct Labor Hours	Salary (per year)	Benefits (per year)	Travel	Supplies & Expendables	Services or Consultants	Equipment	Other Direct Costs	Total Direct Costs	Indirect Costs	Total Cost
1	Project Management	2080	37500	2500		3000				43000.0	4850	47850.00
2	Mare Island Restoration Oversight (same tasks as Y1)	3120	56500	3750		4500				64750.0	7250	72000.00
3	Classroom Program	2080	37500	2500		3000				43000.0	4850	47850.00
4	Outreach	2080	37500	2500		25000				65000.0	4850	69850.00
5	student interns						5200			5200.0		5200.00
6	printing & distribution						3000			3000.0		3000.00
		9360	169000.00	11250.00	0.00	35500.00	8200.00	0.00	0.00	223950.00	21800.00	245750.00

Grand Total=777300.00

Comments.

Budget Justification

San Pablo Baylands & San Francisco Flyway Education Project

Direct Labor Hours. Provide estimated hours proposed for each individual.

1 FTE = 2080 hours/year PROJECT MANAGEMENT Project Director: 1 FTE; 3years
REDEVELOPMENT REVIEW Environmental Scientist: .75 FTE; 3 years Planner: Program
Associate/Educator (Schools): 1 FTE; 3 years Program Associate/Organizer (Festival Migration
Celebration) 1 FTE; 3 years Community Outreach/

Salary. Provide estimated rate of compensation proposed for each individual.

Arc Ecology's staff are all highly skilled professionals and our policy is to compensate all employees equally. All staff will be paid \$37,500/year throughout the grant period. This does not include payroll taxes and expenses such as FICA or workers' compensation

Benefits. Provide the overall benefit rate applicable to each category of employee proposed in the project.

All staff have a benefit rate of 6.67% which covers health insurance and sick time/vacation accruals.

Travel. Provide purpose and estimate costs for all non-local travel.

We are not expecting any non-local travel expenses.

Supplies & Expendables. Indicate separately the amounts proposed for office, laboratory, computing, and field supplies.

Office Expenses:- Based on prior experience, Arc Ecology budgets 8% of FTE for project supplies such as office expenses (computers, communications expenses, and office supplies) and field supplies (binoculars, clothing, water quality testing kits, etc).

Services or Consultants. Identify the specific tasks for which these services would be used. Estimate amount of time required and the hourly or daily rate.

Development of educational curriculum for school based instruction and training manuals; conducting staff and teacher trainings. Time Required: 750 hours @ \$50 hrs/hr Student Interns: Students will be paid a nominal stipend of \$10/hr for their work on the festival. We are currently planning on an average of 10 hrs weekly for 3 years Printing Expenses: Based on our prior experience we expect printing of the materials described in our proposal to cost \$3000/yr.

Equipment. Identify non-expendable personal property having a useful life of more than one (1) year and an acquisition cost of more than \$5,000 per unit. If fabrication of equipment is proposed, list parts and materials required for each, and show costs separately from the other items.

none

Project Management. Describe the specific costs associated with insuring accomplishment of a specific project, such as inspection of work in progress, validation of costs, report preparation, giving presentations, response to project specific questions and necessary costs directly associated with specific project oversight.

Project Management tasks will include preparing quarterly and final reports, oversight of program staff, document reviews, meetings with agency staff, regulators, & community, presentations.

Other Direct Costs. Provide any other direct costs not already covered.

no other direct costs are included in the proposal

Indirect Costs. Explain what is encompassed in the overhead rate (indirect costs). Overhead should include costs associated with general office requirements such as rent, phones, furniture, general office staff, etc., generally distributed by a predetermined percentage (or surcharge) of specific costs.

insurance, accounting, office management, and fundraising

Executive Summary

San Pablo Baylands & San Francisco Flyway Education Project

The San Francisco Flyway Festival, a project of Arc Ecology, is a five-year-old grassroots led annual celebration of the environmental richness of San Pablo Bay and its wildlife habitat. The Festival's overarching goal is to provide a greater awareness of and public access to the San Pablo Bay National Wildlife Refuge that together with the nearby Napa-Sonoma Marshes State Wildlife Area spans three counties and nearly 40,000 acres. We are seeking to expand the Festival to an ongoing, year-round environmental education program to directly further the ERP Environmental Education Programs major goals of : (1) developing and implementing school based curriculum programs affiliated with ongoing conservation efforts; and (2) conducting a broad public education campaign about the restoration and conservation issues in the program area. Additionally, our work will support other environmental education goals through the contribution of content for the ERP website, newsletter, fact sheets, and other educational media. The San Pablo Bay National Wildlife Refuge and the adjoining Napa Sonoma Marshes State Wildlife area are critical resources for the ecological health of the rapidly urbanizing Bay-Delta ecosystem. They are home to dozens of endangered and threatened species and is the halfway point along the Pacific Flyways 3,000-mile route stretching from Alaska to Mexico. As a jewel in the Don Edwards San Francisco Bay Wildlife Refuge complex the Refuge is among the principal stopping points of the over one million shorebirds and hundreds of thousands of waterfowl migrating through or wintering in the San Francisco Bay Area each year. Extension of the Festival to a year-round basis will serve as a key link to bridging the environmental justice concerns of the nearby Vallejo and American Canyon regarding access to the Refuge and State Wildlife Area. It will help facilitate public understanding of how environmental cleanup and conversion activities at the former Mare Island Naval Shipyard will impact the Refuge and Wildlife Area. And finally, it will reach out to Napa, Sonoma, Solano counties rapidly growing population help build a greater awareness and appreciation of the Refuge and nearby wildlife areas to create the public support necessary for expanded environmental restoration efforts in the North Bay.

Proposal

Arc Ecology

San Pablo Baylands & San Francisco Flyway Education Project

Alex Lantsberg, Arc Ecology

A. PROJECT DESCRIPTION: PROJECT GOALS AND SCOPE OF WORK

Educational goals, objectives and expected outcomes;

The San Francisco Flyway Festival is a grassroots led annual celebration of the environmental richness of San Pablo Bay and its wildlife habitat. The Festival's overarching goal is to provide a greater awareness of and public access to the San Pablo Bay National Wildlife Refuge and State Wildlife Area that together span three counties and nearly 40,000 acres.

Since its founding in 1996, the Festival has been primarily focused on bringing Bay Area residents to experience the annual migration and wintering of migratory waterfowl through the Refuge and State Wildlife Area at the height of the spring migration from Mexico to Alaska. By expanding the Festival to an ongoing, year-round environmental education program we will directly address the ERP Environmental Education Program's goals of: **(1) developing and implementing school based curriculum programs affiliated with ongoing conservation efforts; and (2) conducting a broad public education campaign about the restoration and conservation issues in the program area.** Our work will also support other CALFED environmental education goals through the contribution of content for the ERP website, newsletter, fact sheets, and other educational media.

US Army Corp of Engineers, San Pablo Bay Watershed Study;
www.spn.usace.army.mil/sanpablobay/finale.jpg

To achieve these goals, we have set three objectives:

1. Improve access and links to the Refuge and State Wildlife Area for the underserved communities of Vallejo (Solano Co.) and American Canyon (Napa Co.);
2. Facilitate public understanding of how environmental restoration activities at the former Mare Island Naval Shipyard will impact the habitat and wildlife at the adjacent Refuge and State Wildlife Area; and
3. Strengthen the support of Napa, Sonoma, and Solano counties' growing population for increased protections, further restoration activities, and land acquisitions at the Refuge and State Wildlife Area.

The Festival's successful expansion over the next three years will result in a thriving year round program catering to the North Bay's diverse communities. Students of various ages will participate in school and community college based programs conducting wildlife counts, testing water quality, documenting restoration activities, teaching their peers about the Refuge and State Wildlife Area, and assisting in organizing the annual Festival Migration Celebrations. Public understanding and participation in environmental cleanup and restoration activities at Mare Island will result in strong cleanup standards appropriate to this ecologically sensitive area. The annual Festival Celebration and outreach program will focus public attention on the Refuge and State Wildlife Area and teach the importance and value of ecosystem stewardship and restoration.

□ *Justification (including conceptual model, likelihood of success and sustainability);*

CONCEPTUAL MODEL

San Francisco Bay Estuary, including San Francisco and San Pablo bays, is recognized as a site of hemispheric importance for shorebirds. The Refuge and State Wildlife Area was established in 1974 to conserve and protect bay wetlands for the benefit of waterfowl, shorebirds and endangered species. It has become a key example of the values of wetland restoration, conservation and habitat management and stewardship. Unfortunately, the Bay Area's strong growth of the past decade threatens to imperil this vital ecological resource

The Refuge and State Wildlife Area provide major migratory and wintering habitat for shorebirds and waterfowl, particularly diving ducks. The area's intertidal mud flats and seasonal wetlands help support the almost one million shorebirds that winter and migrate through the San Francisco Bay area during peak spring migration periods. Numerous endangered, threatened, and sensitive species depend on the tidal marshes along the edge of San Pablo Bay for their survival. Some, like the endangered California clapper rail and salt marsh harvest mouse are found only in the tidal marshes of San Francisco Bay. Large numbers of scaup and canvasbacks are drawn to the open bay to feed on clams, mussels, fish, and worms. Eleven anadromous fish species, including striped bass, surfperch, sturgeon, starry flounder, leopard shark, topsmelt, and anchovy spawn in the Sacramento-San Joaquin river systems and must travel through San Pablo Bay to enter and leave the drainages. Other species of concern include the California black rail, San Pablo song sparrow, and Suisun shrew.¹

Human activities including hydraulic mining, diking and filling of marshes, water diversions, agricultural and industrial uses have resulted in a loss of almost 95% of San Pablo Bay's tidal marshes. Now, rapid growth in the tri-County North San Pablo Bay area is putting further stress on this sensitive habitat. According to the 2000 Census, the area grew by 16% over the past decade, adding nearly 140,000 people.² Further growth, particularly in the outlying counties is expected to continue.

This growth will likely impact the refuge through increases in non-point source pollution, demand growth for fresh water supplies, and other externalities of growth. Additionally, there is concern that environmental cleanup and reuse activities at Mare Island Shipyard may leave significant amounts of contamination in place that, together with increased residential, commercial, and industrial uses at the former base, will be a direct stressor on the Refuge and State Wildlife Area, the Wildlife Area, and San Pablo Bay.

Public education is a critical tool to address this problem, but it is currently extremely difficult for the area's nearly one million residents (and the region's 6.9 million inhabitants) to learn about some of the most unique public lands in the Bay Area. Although the Don Edwards Refuge and State Wildlife Area Complex offers an environmental education program it is insufficient to meet the needs of the surrounding communities in Vallejo and American Canyon, or the broader

¹ WilderNet; http://www.wildernet.com/pages/area.cfm?areaID=CASPABAYNWR&CU_ID=1

² Association of Bay Area Governments, <http://census.abag.ca.gov/historical/copop18602000.htm>

general public. Funding constraints make sufficient outreach to and work with schools difficult. Broad-based and visible public education programs for the general public are non-existent.

With respect to the restoration activities at Mare Island, the challenges are even more acute. The cleanup and redevelopment process is largely dominated by major players like the Navy (the shipyard's current owner), regulators, the municipal officials to whom the base will be transferred, and the firms seeking to develop the base. Arc Ecology is the only environmental organization actively monitoring the process.

While there is ostensibly a role for the public through the Mare Island Restoration Advisory Board (RAB) and other public participation fora, the technical aspects of the cleanup process are daunting for most laypeople. Even when individuals are able to understand the issues and follow the process' technical and administrative aspects, they encounter other difficulties such as putting forth science-based alternatives and conducting efforts to reach out to their wider community.

The toxic cleanup and restoration of the Mare Island Naval Shipyard is creating the need for continuous environmental monitoring by Vallejo and area residents. One component of that need is rooted in redevelopment uses with strong potential to create problems. Mare Island will be receiving dredge spoils from the entire Bay Area. It will continue to host heavy industrial uses. The military (Army) will have a continuing presence.

Although these kinds of activities will not be new to Mare Island, they will be taking place on a site that is no longer closed off to public access. Ensuring that these uses do not conflict with residential, recreational, educational, commercial and light industrial users will require an educated and alert citizenry.

Unfortunately, while Mare Island has been a part of Vallejo for 150 years, it has always been a separate country. Except for the many Vallejo residents working there, others have never set foot on the Island. Mitigations of potential environmental impacts are written into the plans, but making certain that environmental protections are actually implemented will necessarily require continuous monitoring and observation by the public.

Each of these issues – the lack of educational programs for disadvantaged youth, a lack of awareness about the Refuge and State Wildlife Area in the North Bay's growing population, and a lack of informed public participation in and understanding of restoration activities at Mare Island – individually hinders those areas' ability to carry out their mission. Collectively, they become significant obstacles to public support for increased protection, additional restoration, and further expansions of the Refuge and State Wildlife Area and State Wildlife Area and indeed the major scientific and wildlife goals of CALFED's Ecosystem Restoration Program in this area.

LIKELIHOOD OF SUCCESS

Our track record of local and regional experience and deep community roots demonstrate our ability to carry out our programs. The clear and present needs of Vallejo and American Canyon

youth, Mare Island neighbors, and North San Pablo Bay's growing population signal strong demand for the programs we aim to provide. The provision of adequate resources is the crucial lynchpin that will determine how we achieve our goals.

Arc Ecology has 18 years of experience providing communities with the information and technical assistance they need for meaningful participation and informed decision-making in the military base environmental cleanup, restoration, and conversion process. In our 7 years of work around Mare Island we have provided:

- Ongoing technical analysis of the highly detailed scientific documentation provided by the Navy for public and regulatory commentary. Arc Ecology has assigned a staff environmental scientist to provide this support to the Mare Island Restoration Advisory Board and the greater Mare Island's community-based organizations advising community members on the contents and options presented by these documents.
- Over the past seven years, Arc Ecology has commented on more than thirty environmental reports and public review documents. Much of Arc's technical commentary has been incorporated directly into toxic contaminant characterization and cleanup implementation.
- Arc also developed and participated in educational workshops on toxic contamination remediation, and we have brought members of the Mare Island Restoration Advisory Board together with members of other RABs from bases like the Presidio, Alameda Naval Air Station, and Fort Ord to discuss ways in which the RAB process and public participation generally in the base cleanup process could be improved.
- Finally Arc Ecology assisted in the development of grant and funding support requests that have resulted in the provision of a Graphics Information System for the Mare Island RAB and the public to use to better understand the disposition of contamination on the former base as well as ground water flows. We have also secured private foundation funding for organizations like Save San Pablo Baylands and the West County Toxics Coalition in Richmond.

...

Arc's work has directly resulted in numerous environmental achievements at former bases as well. Other achievements include the creation the San Francisco Bay Least Tern Refuge on a portion of Alameda Naval Air Station. Facilitating a coalition of environmental organizations from around the Bay Area, Arc Ecology was able to facilitate the consensus around the Refuge strategy and objectives. Our economist/ planner advised on the economic analysis created to evaluate the non-environmental benefits created by the Refuge. We have also incubated wetland creation and restoration projects for Treasure Island and Hunters Point Shipyard in San Francisco and Point Molate in Richmond. Arc Ecology, together with a coalition of community based and environmental groups, and the University of San Francisco, was recently awarded another CalFed grant focused on the restoration of the Yosemite Slough area - a unique environmental justice oriented project located in a low income African American neighborhood in San Francisco. We also provide technical support to five other Restoration Advisory Boards and dozens of community based organization resulting in countless improvements in environmental assessments and cleanup plans throughout the Bay Area.

Golden Gate Audubon Society and Arc Ecology are long time colleagues and collaborators. GGAS closely worked with Arc to build support for Alameda's former develop an educational curriculum for Vallejo and American Canyon schools

The project will be led by Festival Director Myrna Hayes, a Vallejo resident of nearly two decades and a long-time friend of the Refuge and State Wildlife Area and State Wildlife Area, Mare Island, and North San Pablo Bay. Myrna founded the Festival in 1996 on Mare Island with extensive community support and has continued to be its principal champion. The first Festival drew over 1000 attendees according to the Navy and has since grown to have 37 exhibitors, 8 commercial vendors, over 75 media locations, and more than 5000 visitors in January 2001. As the Community co-Chair of the Mare Island Shipyard Restoration Advisory Board, she is a leader in local efforts to monitor restoration activities at the former base. Her deep experience with the Festival and the North San Pablo Bay area will be instrumental to leading its development into a successful year-round program.

SUSTAINABILITY

Arc's ability to sustain the Festival's expanded role is dependent on two factors. The first is a continuation of the elements that are necessitating its expansion. The north San Pablo Bay will continue to have significant needs for environmental education programs over the coming years. Socioeconomic factors are clearly pushing more minority communities to the Bay Area's fringes and will likely continue to do so unless radical economic and policy changes occur, a highly improbable scenario. Under such circumstances Vallejo and American Canyon will likely see an increase in the population of disadvantaged students who would be able to connect with the Refuge and State Wildlife Area and State Wildlife Area. Additionally, general suburban growth is also likely to continue as Bay Area rents and property values remain reasonably close to their current levels, even with the current economic slowdown. As such, for the foreseeable future, north San Pablo Bay will continue to have significant needs for environmental education programs and opportunities to teach our youth about the importance of ecological operations and values.

The second factor is internal and is based on a need for strong leadership to guide the Festival's growth and transition to a full year program. As we stated in the prior section, we feel that this is in place. Among the programs' paramount administrative and program goals will be to broaden its support to include municipalities and other government agencies, private enterprises and associations, civic organizations, and of course interested individuals. Ongoing community outreach and dialogues will ensure that the Festival's program remains relevant to and reflective of the needs of its diverse community.

□ *Approach (including appropriate curriculum for target audience);*

As discussed earlier, Arc Ecology is proposing to expand the Festival to a year round environmental education program focused on the San Pablo Bay National Wildlife Refuge and adjoining natural areas. The program's expansion is focused on three objectives, which are discussed below:

1. Providing school based education programs to underserved youth in Vallejo and American Canyon;

2. Facilitating public involvement and understanding of how conversion activities at Mare Island Shipyard will impact the Refuge and State Wildlife Area
3. Raising awareness of the refuge in the rapidly growing population in the North San Pablo Bay area.

SCHOOL BASED PROGRAMS

To develop this component, Festival staff will work with the Golden Gate Audubon Society to develop a range of age appropriate science-based programs to increase students' level of knowledge, understanding, and action to protect and restore the environment. The curriculum will include both classroom and field activities and will be modeled on Golden Gate Audubon Society's successful programs with the Oakland Schools that give priority to multicultural, underserved students and their families in the Alameda County. Where feasible, programs will be coordinated with the Refuge and State Wildlife Area's Environmental Education program staff to ensure the highest synergies with our work

In the Classroom

Teachers will be provided with 12 hours of training and a curriculum manual to guide classroom and field activities. Students will see a slideshow to introduce the plants and animals at the Refuge and State Wildlife Area and State Wildlife Area and explain about their adaptations for survival and how they are interconnected. In other activities, students will listen to a tape of calls from birds found at the Refuge and State Wildlife Area and State Wildlife Area and learn to identify between five to ten calls. Students will also participate in group activities such as working together to create imaginary food chains where each student invents a plant or animals within the food chain, and either draws a picture or writes about how it relates to the other students' creations.

In the Field

Two field trips led by Festival staff, the classroom teacher, and community volunteers will bring the students to the Refuge and State Wildlife Area and State Wildlife Area. During each 3-hour field trip students will find and view various wildlife, whether birds through binoculars or mud creatures through microscopes, and document their observations, and learn about each species' role in the ecosystem. They will conduct water quality monitoring turbidity, pH, and salinity tests and relate water quality to the organisms that live in and use water. Finally, they will learn the value of stewardship by assisting with litter pick up and the removal of non-native plants.

Other Activities

In addition to classroom-based work, we will offer students other ways to contribute to the Refuge and State Wildlife Area and Wildlife Area while earning a stipend. Older students who participate in the program will be offered opportunities to assist in organizing the annual San Francisco Flyway Festival Migration Celebration. Others may become interested in leading classroom and field activities for younger students, thus acting as role models for the younger stu-

dents and receiving valuable experience in teaching and ecology. Post-visit activity suggestions for the classroom and to take home are part of every curriculum, so that even if students are only served once they can continue to learn after the program is finished.

TECHNICAL REVIEW OF MARE ISLAND CONVERSION

Arc Ecology is the only public interest organization currently providing professional technical services to the Vallejo community regarding the cleanup and restoration activities at Mare Island. Our professional staff reviews every document generated as part of the base cleanup and reuse process and provides an independent analysis by environmental scientists who prioritize protection of public health and the environment and planners who understand the complexities of creating sustainable environmentally benefiting development. Through formal comments to the decision-making agencies and informal dialogues with Federal and State regulators, Municipalities and their agents, and community stakeholder, Arc's staff helps communities to reshape the proposals to better meet ecological and community goals.

Environmental Remediation

Our analyses of the cleanup program will be linked directly with ongoing community education efforts related to the Refuge and State Wildlife Area, the State Wildlife Area, Mare Island, and the Restoration Advisory Board. We will continue to provide ongoing services to the RAB, host community meeting to relay our findings, and provide a accessible source for information on our analysis of the ongoing remediation of Mare Island and the surrounding wildlife areas. The results of our investigations of officially produced cleanup documents will be provided to the appropriate military branches and environmental regulators as part of formal comments. Arc Ecology's thorough understanding of the environmental conditions and cleanup proposals will continue to positively influencing the management of the process and ultimate cleanup decisions.

Economic Redevelopment

As with the environmental cleanup activities, reuse decisions for Mare Island will directly impact the area. Reuse of Mare Island promises to open up this resource to Vallejo. The Refuge, the State Wildlife Area, and the planned regional park can expand the horizons of the many lower income families that live in this part of the Bay Area both literally and figuratively.

Arc's staff will review and comment on planning documents, environmental impact analyses, development proposals, and regional planning efforts with direct bearing on Mare Island as well as the Refuge and State Wildlife Area and State Wildlife Area. Unlike with the remediation analyses, which are largely concentrated on the military branches and environmental regulators, efforts around base conversion usually focus on municipalities, counties, and multi-governmental regional agencies. As with the environmental analysis, Arc's expertise with the decision documents strengthens our credibility throughout the redevelopment process to help bring about environmentally sound development projects.

BROAD BASED PUBLIC EDUCATION PROGRAM

The annual Festival Migration Celebration will be the heart of our work. Organizing the event will necessarily be a sizeable portion of this program component. In addition to bringing people to the Refuge and State Wildlife Area and State Wildlife Area during the spring migration, we will also bring the Refuge and State Wildlife Area and State Wildlife Area to the people of the North San Pablo Bay region.

Annual San Francisco Flyway Festival Migration Celebration

The Festival Celebration will be the centerpiece of our public education effort and will continue with the successful model developed over the past five years. During the weekend of January 19-21, 2001, over 5,000 people participated in the 5th Annual Northern San Francisco Bay Flyway Festival on Mare Island in Vallejo. Attendance at the popular Family Wildlife Exploration and Birding Day on the Festival's second day was estimated to have doubled over the previous year. With people traveling from all points of the San Francisco Bay Area and throughout California to participate. The Festival offered hands-on activities for children; over 50 natural resource related informational and commercial exhibits; brief wetland, historic and birding tours on Mare Island; an auction, as well as cultural events such as tours of the nearby St Peter's Chapel, which houses the most Tiffany glass in the West.

Some of the many exhibits included, *The Bay Area Traveling Environmental Film Festival*, featuring six award-winning films by the Independent Film Group about San Francisco's Bay, Delta and Greenbelt; duck decoy carving and painting demonstrations by members of the San Francisco Flyway Decoy Carving Association; and numerous slide presentations by wildlife biologists who conduct research along the Pacific Flyway. A Festival highlight was a presentation on Mare Island by noted environmental author/editor, Ken Brower and award-winning nature photographer, Michael Sewell, in their personal preview of their soon to be published Sierra Club/Random House collaboration chronicling the Viansa Wetland restoration, entitled, Wine-maker's Marsh – Four Seasons in a Restored Wetland.

Replicating the success of the past events will involve the work of the program staff, volunteers, and students from the school based programs. They will be responsible for the administrative tasks of event organizing such as finding sponsors, coordinating with Refuge and State Wildlife Area staff, presenters and exhibitors, arranging auction items, media relations, and producing website content, slideshows, newsletters, and fact sheets for the festival and the outreach program described below.

Festival Outreach Program

Establishing direct communication links with North San Pablo Bay's diverse communities regarding the Festival and the Refuge and State Wildlife Area and State Wildlife Area will be this components' other major goal. Outreach staff will organize a speaker's bureau of community volunteers, and students from the school based programs who would be paid a nominal stipend of \$10/hr to bring the Festival to community groups like homeowner's associations and block

clubs, community centers, private businesses such as developers or groups such as Chambers of Commerce and agricultural associations.

As part of raising awareness of the Refuge and State Wildlife Area and State Wildlife Area through the Festival Celebration, the outreach effort will facilitate a dialogue about the need for expanded ecosystem stewardship and restoration efforts throughout the North San Pablo Bay region. It will enable us to identify innovative methods of problem solving and overcoming obstacles to fulfilling CALFED's goals. Much like with the adaptive management system mandated for the Science Program, the lessons we learn will be used to inform our future work as well as those of the Environmental Education program.

□ **Linkages and compatibility to existing school, community and stewardship programs (fits into existing curricula, demonstrated learning value);**

Arc has three principal reasons for expanding the Festival to a year round program. First is to provide environmental education programs at the Refuge and State Wildlife Area and State Wildlife Area for Vallejo's and American Canyon's underserved young people. Second, to facilitate public understanding and improve involvement in the environmental cleanup and restoration of Mare Island. And third, to raise the North San Pablo Bay area's growing population's awareness of the importance of ecological restoration and stewardship efforts at the Refuge and State Wildlife Area.

As mentioned previously, there are currently no programs targeted directly to Vallejo and American Canyon schools because of reallocation of funding priorities within the Don Edwards Refuge and State Wildlife Area Complex, nor are there any community based programs conducted by non-profit organizations besides the Festival. Teachers and student groups have worked with the Festival before, but never on a formal, year round, and ongoing basis. Expanding the Festival will allow us to formalize the relationships established over the past several years into and turn them into institutional agreements for education and stewardship programs.

Myrna Hayes' position as the Mare Island RAB Community Co-Chair will be a key link to building stronger ties with other RAB community members to enable participation in the Mare Island cleanup process. Furthermore, her long history with the multitude of stakeholders in Vallejo and the surrounding area will help to resolve potentially contentious issues and unify support for the Refuge and State Wildlife Area, as well as other ecosystem restoration projects that support the CALFED's ERP goals.

Our close work with the Golden Gate Audubon Society to develop the environmental education curriculum will provide an opportunity to link the Refuge and State Wildlife Area and Mare Island with over 5500 Bay Area bird and wetlands lovers. Although GGAS will only serve as a consultant to the project, we will build on our years long relationship to keep their membership apprised of the Festival's activities.

Finally, as the leading organization working throughout the Bay Area and Northern California on base restoration issues, Arc Ecology has established strong connections with the wider environ-

mental community. Past activities such as working with San Francisco Baykeeper to enforce the Clean Water Act at Bay Area bases, collaborating with the GGAS to support the establishment of the Least Tern Refuge and State Wildlife Area at Alameda Naval Air Station, and assembling a coalition of environmental groups, community organizations, and academics to carry out an environmental justice focused, urban watershed restoration assessment all attest to the many connections that we will make through this project.

□ **Replicability and dissemination of the program or project (how materials produced and project results can be shared and utilized by others);**

As we've shown, this program is itself an evolution of proposals currently approved by the City and San Francisco and CALFED. It combines the toxic remedial evaluation and education components of our community clearinghouse on the cleanup of the Hunters Point Shipyard, with the ecological restoration aspect of our CALFED project approved for the south side of the Shipyard. Each of these projects involve multiple organizations and communities. These three projects will share the results and experiences and as a result there will be direct replicability and a network in place for disseminating information and experience. We will produce an array of materials, both specific to the Festival Program, Mare Island, and the Refuge and State Wildlife Area, as well as more general topic publications on wetlands, migratory and shorebirds, and other similar topics. This information will be disseminated through the school programs, newsletters, general outreach, established networks of colleague environmental organizations, and of course the Festival Celebration.

We will also create a regularly updated website reporting on the program's progress. The website will be promoted through cross-links with colleague organizations and, where possible, other CALFED recipients, and through the regular program outreach and education efforts. The website will be accessible to all users.

□ **Pre- and post-project evaluation components;**

The project will be evaluated on its progress in meeting its goals of providing classroom based environmental education programs for underserved Vallejo and American Canyon youth, improving public understanding of and involvement in the restoration of the former Mare Island Shipyard, and improving awareness of the San Pablo Bay National Wildlife Refuge and State Wildlife Area in the growing population of the North San Pablo Bay area.

CLASSROOM BASED PROGRAMS

- An Educator's site manual complete with classroom and field based curriculum;
- A targeted outreach plan for student groups of various ages to learn about, and aid in monitoring, and protect the Refuge and State Wildlife Area;
- At least 8 student groups of various ages will participate in pilot programs at the site; and
- Consistent high-quality data from wildlife and habitat monitoring activities to support CALFED Science Program.

MARE ISLAND RESTORATION ACTIVITIES

- Production of technical analyses of the ecological impacts of restoration and redevelopment proposals;
- Presentations for RAB members coinciding with major document review schedules;
- Increase in formal comments submitted on cleanup and redevelopment activities by RAB members and general community members; and
- Improvements of ecological protections from initial proposals in cleanup and development plans.

INCREASING PUBLIC AWARENESS OF REFUGE

- Dialogues with diverse stakeholders including residents, businesses, and community organizations regarding the Refuge and State Wildlife Area, the Festival, and CALFED's overall ecosystem restoration program;
- Identifying foundation, business, and government sponsors for the Festival's ongoing operations;
- Developing high quality informational publications such as fact sheets, websites, and newsletters;
- Maintaining a high quality Festival Program that offers educational, cultural, and stewardship activities for attendees;
- Growth in media coverage of the annual San Francisco Flyway Festival Migration Celebration; and
- Growth in attendance of the annual Celebration by North San Pablo Bay area residents and stakeholders.

Other Performance Measures

In addition to the evaluation criteria for the specific project objectives, we will also look at:

- Effectiveness of projects at meeting environmental justice objectives (involvement of Vallejo and American Canyon community-based organizations outside of the collaborative; "community acceptance" of program); and
- Effectiveness of establishing links for inter-organizational coordination and collaboration.

□ Capabilities (qualifications and infrastructure);

Arc Ecology is a San Francisco-based international organization providing environmental and economic technical support to communities working toward the cleanup, ecological restoration, and economic development of contaminated lands and public resources. Founded in 1983, Arc Ecology maintains a staff of environmental scientists, economist planners, and community involvement specialists. Arc brings a long history of work in the North San Pablo Bay area, having a staff person assigned to Mare Island since 1994, and is the fiscal sponsor of the San Francisco Flyway Festival.

Arc Ecology was awarded the contract for the US EPA Technical Assistance Grant for the Fort Ord Superfund cleanup; we have been awarded a \$390,000 grant by the San Francisco Department of the Environment to provide environmental cleanup information to the Bayview Hunters Point community for the Hunters Point Shipyard; and most recently we were awarded an \$771,000 grant to conduct a community-based, environmental justice focused, multi-organizational watershed restoration assessment by the CALFD Bay-Delta Watershed Program. Finally Arc Ecology is represented on numerous advisory committees including the Hunters Point Community Advisory Committee, the Alameda County East Bay Conversion and Reinvestment Commission, and a half dozen Restoration Advisory Boards in the San Francisco Bay Area.

Project Director Myrna Hayes is a community organizer who has been instrumental in building public support for the Refuge and State Wildlife Area and . She is key to keeping the program's internal links connected. Ms. Hayes has coordinated the Family Environmental Education Day and the Flyway Festivals since their inception, engaged other community and environmental groups, and has worked to persuade decision makers to lend their support to the Refuge and State Wildlife Area. As the Coastal Clean up coordinator, Ms. Hayes has established strong connections with educators and the area's diverse stakeholders. She is also Community Co-chair of the Mare Island Restoration Advisory Board, and has monitored the restoration of Mare Island since its closure in 1993.

The Golden Gate Audubon Society will serve as the consultant for development of the Festivals in-school program. A Chapter of the National Audubon Society, its geographic area includes the cities of San Francisco, Oakland, Emeryville, Berkeley, Richmond and all the areas along the East Bay shoreline to San Pablo and the towns of Orinda and Moraga. Our organization has a long history of science, advocacy and education. GGAS seeks to protect and enjoy wildlife and their natural habitats, promoting these values through interaction between GGAS members and the community. GGAS members reside in Alameda and San Francisco Counties, and in the western part of Contra Costa County. Formed in 1917 and incorporated in 1952, GGAS is the oldest and largest Audubon Chapter in California with 5500 members. There are also 53 chapters and 67,000 Audubon members in California and 550 chapters and 500,000 members nationwide.

- **Expected Products/Outcomes - Provide a list of planned reports, presentations, advances in technology, and information transfers via workshops, seminars, education programs, etc.**

CLASSROOM BASED PROGRAMS

- An Educator's site manual complete with a classroom and field based curriculum;
- A targeted outreach plan for student groups of various ages to learn about, and aid in monitoring, and protect the Refuge and State Wildlife Area and State Wildlife Area;
- At least 8 student groups of various ages will participate in pilot programs at the site; and
- Consistent high-quality data from wildlife and habitat monitoring activities to support CALFED Science Program.

MARE ISLAND RESTORATION ACTIVITIES

- Production of technical analyses of the ecological impacts of restoration and redevelopment proposals;
- Presentations for RAB members coinciding with major document review schedules;
- Increase in formal comments submitted on cleanup and redevelopment activities by RAB members and general community members; and
- Improvements of ecological protections from initial proposals in cleanup and development plans.

INCREASING PUBLIC AWARENESS OF REFUGE

- Dialogues with diverse stakeholders including residents, businesses, and community organizations regarding the Refuge and State Wildlife Area and State Wildlife Area, the Festival, and CALFED's overall ecosystem restoration program;
- Foundation, business, and government sponsors for the Festival's ongoing operations;
- High quality informational publications such as fact sheets, newsletters, and website;
- A high quality San Francisco Flyway Festival Migration Celebration offering educational, cultural, and stewardship activities for attendees
- Growth in attendance of the annual San Francisco Flyway Festival Migration Celebration by North San Pablo Bay area residents and stakeholders.

8. Work Schedule.

PM=Project Management; SBP=School Based Programs; MIR=Mare Island Restoration;

FCO=Festival Celebration Outreach

Multiple categories signify linked & inseparable tasks

Start Date	Completion Date	Task Description/Milestone	Program Component			
			P M	S B P	M I R	F C O
6 – 2002	7 – 2002	San Francisco Flyway & San Pablo Baylands Education Project initial contracting	X			
6 – 2002	5 – 2005	Quarterly progress Reports	X			
6 – 2002	12 – 2002	Negotiate site access agreements with FWS & Navy	X			
7 – 2002	1 – 2003	Website development)	X			
6 – 2002	2 – 2003	Curriculum development & teacher training	X	X		
6 – 2002	2 – 2003	School/Teacher outreach & training (program staff)	X	X		
2 – 2003	9 – 2003	Student outreach materials production & development & student recruitment		X		
6 – 2003	8 – 2003	Curriculum materials purchases & printing		X		
9 – 2003	12 – 2003	2 student groups participate in program (1a)		X		
1 – 2004	1 – 2004	Evaluate results of Student Group 1a	X	X		
1 – 2004	4 – 2004	2 student groups participate in program (1b)		X		
5 – 2004	5 – 2004	Evaluate results of Student Group 1b	X	X		
6 – 2004	7 – 2004	Program refinement per G1a & 1b evaluations	X	X		
1 – 2004	9 – 2004	2004/2005 student recruitment		X		
7 – 2004	8 – 2004	Curriculum materials purchases & printing	X	X		
9 – 2004	12 – 2004	2 student groups participate in program (G2a)		X		
1 – 2005	1 – 2005	Evaluate results of Student Group 2a	X	X		
1 – 2005	4 – 2005	2 student groups participate in program (2b)		X		
4 – 2005	4 – 2005	Evaluate results of Student Group 2b	X	X		
5 – 2005	5 – 2005	Compile Final Report	X	X		
6 – 2002	5 – 2005	Attend monthly meeting of Restoration Advisory Board	X		X	
6 – 2002	5 – 2005	Restoration document review (uneven frequency, depends on release by lead agency)	X		X	
6 – 2002	5 – 2005	Produce monthly Mare Island Restoration Updates			X	
6 – 2002	5 – 2005	Attend meetings with community, regulators, and others as appropriate	X		X	

6 – 2002	12 – 2002	Develop and publish newsletter articles, flyers, site specific & general fact sheets, brochures, and other publications.	X	X	X	X
6 – 2002 6 – 2003 6 – 2004	1 – 2003 1 – 2004 1 – 2005	Organizing sponsors, presenters, exhibits, materials, and publicity for annual Festival Migration Celebration	X			X
	1 – 2003 1 – 2004 1 – 2005	Annual San Francisco Flyway Migration Celebration	X	X	X	X
2 – 2003 2 – 2004 2 – 2005	5 – 2003 5 – 2004 5 – 2005	Outreach to & dialogue with North San Pablo Bay stakeholders through community events, presentations, etc	X			X
1 – 2003	5 – 2005	Update & maintain website content (monthly)				X
2 – 2003	5 – 2005	Prepare & publish newsletter (quarterly)	X	X	X	X

B. Applicability to CALFED ERP and Science Program Goals and Implementation

Plan and CVPIA Priorities

1. ERP, Science Program, and CVPIA Priorities.

As an education program, the Festival will only be able to indirectly further the goals of the CALFED ERP. However, the effects of increased involvement and stewardship, improved toxic cleanup of Mare Island are likely to be sizeable.

As is stated earlier in this proposal, Numerous endangered, threatened, and sensitive species depend on the tidal marshes along the edge of San Pablo Bay for their survival. With growth pressuring natural areas, heightened protection is required. By reaching out to North San Pablo Bay's growing population to raise awareness of and connection to the Refuge and State Wildlife Area and adjoining lands we will encourage them to take steps to be better neighbors and stewards.

This speaks directly to Goals 1 and 6.

By providing residents with credible and independent technical analysis of information about the restoration of Mare Island we increase the likelihood of improving final remediation and redevelopment outcomes and further Goals 2 and 4.

2. Relationship to Other Ecosystem Restoration Projects. Explain the relationship to past and future projects. Explain how this project relates to other previously funded projects including CALFED Program, CVPIA and other ecosystem restoration activities.

In our examination we did not see similar projects in the area. We will however coordinate to the best of our abilities with all CALFED grantees to disseminate information and share lessons.

5. System-Wide Ecosystem Benefits.

San Pablo Bay has immense value and improvements in its vicinity will impact birds, fish, and other wildlife.

C. Qualifications

See above, Section A – Capabilities

D. Cost

1. Budget

See web-form

2. Cost sharing

We have not identified any cost share partners for this project.

In the past, the Festival had been organized on a shoe string budget and largely with volunteer effort and small contributions from exhibitors and sponsors. Last year we received support from the San Francisco Foundation and will reapply this year.

E. Local Involvement

As discussed at length earlier, the Festival was founded and has been sustained on the energy of numerous local residents, wildlife loving volunteers, and even governmental agencies such as the Navy, the Fish and Wildlife Service, the California Coastal Conservancy, and the City of Vallejo. Our work with the schools will have local involvement by definition. The lands in questions are all publicly owned. And while we have not yet discussed our future plans with officials, we are confident of their support for future events.

E. Compliance

We will comply with the standard State and Federal contract terms described in Attachments D and E.