



## APPLICATION FOR POLLUTION RECOVERY FUND ASSISTANCE

DATE OF APPLICATION: August 1, 2005

### A. BASIC ASSISTANCE

1. Applicant: The legal name of the applicant/organization, the organizational unit and the complete mailing address of the applicant.

Name: City of Tampa  
Organization: Parks and Recreation Department  
Address: 1420 North Tampa St., Tampa, FL 33602

2. Project Manager Information: Give name and title of the representative of the applicant who will be the Environmental Protection Commission's principle contact concerning this application

Name Tom Johnston  
Title Urban Planner II  
Address 1420 North Tampa St., Tampa, FL 33602  
Phone Number (813) 231-1331

Project Title **Seawall Removal and Shoreline Restoration at Cotanchobee Fort Brooke Park**

Project Time Start: January 2005 (est.) End: January 2006 (est.)

Total Cost of Project	<u>\$ 150,000.00</u>	<u>estimated</u>
Total EPC share requested	<u>\$ 100,000.00</u>	<u>estimated</u>

3. Assistance Type: **New or Renewal** (check one)

- New - Award of funds for initial request within the project period.
- Renewal - Award of funds for a project beyond the current project period.

4. Project Location: The specific location(s) of the project. (Attach Site Map)

Phase III, Cotanchobee Fort Brooke Park

601 Ice Palace Drive, Tampa, FL 33602

5. Is the Project for:

- Restoration of a polluted area
- Mitigation of the effects of pollution
- Pollution Control Activity to prevent or minimize pollution
- Educational

6. Is the Project directed toward restoring an identified "polluted area" (a geographic area destroyed or altered by dredging or filling or contaminated by an emission or discharge), or toward terminating an identified pollution source?

Identify and explain:

The Tampa downtown waterfront has historically been a commercial/industrial waterfront—the natural shoreline and vegetation having been dredged and developed since the late 1800's. This particular site has a deteriorating hardened seawall and was an asphalt plant for many years. The site is vacant, largely covered with compacted shell and asphalt. Runoff from the site flows directly into Garrison Channel. Any pollutants behind the seawall will also be released into the channel as wave action and seawall deterioration continue. This project will remove the seawall, regrade the bank away from the water's edge, provide for treatment of runoff and create wetland habitat by restoring a natural shoreline edge.

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7. Is the harm or potential harm to health, safety or welfare of the public or wildlife actual or potential? Does the project seek to alleviate actual or potential harm and what is the severity of the harm and the causal relationship between the "pollution" and the harm?

Identify and explain:

The runoff from the site transports untreated water directly into the channel, which is part of the Tampa Bay Estuary, which directly affects the health safety and welfare of wildlife. The potential for pollutants being released into the estuary could be very high considering the history of industrial uses on the site. The severity of the harm or potential harm is difficult to determine with any great certainty, however with the site being adjacent to the water body, the harm could be significant and the relationship between the "pollution" and the harm direct.

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8. How long has the pollution existed or how long before any harm will be evident?
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As stated, the site was used for industrial purposes for many years. Any remnant pollution has existed for several decades. Although pinpointing the harm from this particular site would be difficult without extensive analysis, the harm from these types of uses is evident within the bay and has been identified by several agencies as a major cause of degradation of the estuary at a large scale.

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9. Identify and describe how the project proposes to alleviate the pollution (addressing technical, practical, and cost effectiveness issues):

The project will address potential pollution entering the bay by two means: sheet flow runoff and erosion from wave action. The sheet flow runoff will be treated by scrubber swales as part of the restoration of the shoreline to a natural edge. This runoff will be treated and filtered as it flows through the swale system and plant materials. The removal of the seawall and regrading of the shoreline will protect from wave action erosion by reestablishing a shoreline that grades away from the water and is stabilized by wetland plantings. This approach removes fill material that is currently behind the deteriorating seawall, which if left unchecked, would eventually erode into the channel.

The proposed solution is practical and cost effective. Reestablishing a natural shoreline is a low-tech approach that removes potential pollutants from near the water's edge, allows for filtration and provides habitat for wildlife, particularly shorebirds and migratory birds.

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10. Is the polluted area one which has previously been subject to commission enforcement and, if so, when and what was the result?

No

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11. If no actual pollution exists and no prior commission enforcement action has occurred, does the project otherwise enhance pollution control activities within the County?

The project will enhance the pollution control activities within the County. The site has a long history of industrial use prior to any pollution regulations. The subsoil of the site has not been disturbed, so there is likelihood that pollution remains. By addressing the erosion, stabilizing the shoreline, and removing the land from the water's edge by regrading, as well as converting a once industrial site to a park, the possibility of remaining pollutants entering the bay is virtually eliminated.

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12. Can this Project be divided into separate and independent parts, and if so,

a) what are they? Design, Wall Removal/Rough Grading, Stabilization/Final Grading, Planting

b) how would the costs be allocated between them? \_\_\_\_\_

Design is not part of this application. 70% of the funding will go to the construction aspect of this project—Wall Removal, Stabilization and Final Grading

c) would the applicant be willing to accept only partial funding? \_\_\_\_\_

Yes

13. Are other funding sources committed to the project? Yes

How much and for what? The City is allocating \$50,000 towards construction as well as 100% funding for design.

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14. What other funding sources may be available and how much? \_\_\_\_\_

The City is going to apply for SWIM funding and Capital funds for park and Riverwalk improvements.

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15. Why do you believe that this Project is of sufficient importance to justify the expenditure of Pollution Recovery Funds? \_\_\_\_\_

This park is the location of the Tampa Bay History Center and is the final phase of a downtown park that has replaced hardened shoreline with a natural water's edge. The transformation of this property to a public space with the opportunity for educational outreach to large numbers of visitors who want to learn about the history of the area and the history of land use and its affects on the bay. In addition this project will eliminate the likely possibility of past use pollutants on this site from entering the bay.

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16. Will the project enhance the value of private property, and if so, whose? No.

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## **B. ATTACHMENTS**

**All applicants must submit responses to the following as attachments corresponding to the indicated numbers:**

1. Please provide a detailed map of the project site.
2. Principal Investigator and Key Personnel - Present a biographical sketch of the principal Investigator incorporating the following information: Name, Address, Phone Number, Education, Background and other qualifying experience for the project.
3. Project Narrative - Please provide a narrative statement describing the project that includes the following:
  - a) Objectives of this Project - Describe the principal and subordinate environmental objectives of the project. Pinpoint any relevant physical, economic, social, financial, institutional or other problems requiring solution.
  - b) Results and/or Benefits Expected - Identify specific environmental results and/or benefits to be derived from the project. Include all primary and secondary benefits accruing to the grantee, to the pollution served, and in general, to the public and environment.
  - c) General Project Information - Discuss the criteria that will be used to evaluate the results and successes of the project as well its relationship to other work planned, anticipated or underway.
4. Scope of Work – Provide a detailed scope of work for the proposed project. List in chronological order a schedule of accomplishments, progress, or milestones that are anticipated over the length of the project.
5. Budget Information – Please itemize expenditures necessary to perform project using the following format:

**BUDGET CATEGORIES**

	PRF Funds	Federal	Applicant	State	Other
<b>a. Personnel</b>			\$10,000		
1.					
2.					
<b>b. Administrative</b>					
<b>c. Materials</b>			\$20,000		
<b>d. Contractual</b>			\$20,000		
<b>e. Construction</b>	\$100,000				
<b>f. Other</b>					
<b>g. Total Direct Charges (Sum of a. to f.)</b>	\$100,000		\$50,000		

**C. SUBMITTAL OF APPLICATION**

Please submit a total of five (5) applications (one original and four (4) copies / one of which can be in electronic format as a CD) to:

Environmental Protection Commission of Hillsborough County  
 Environmental Resources Management Division  
 Attn: Tom Ash / Pollution Recovery Fund  
 3629 Queen Palm Dr., Tampa, Florida 33619

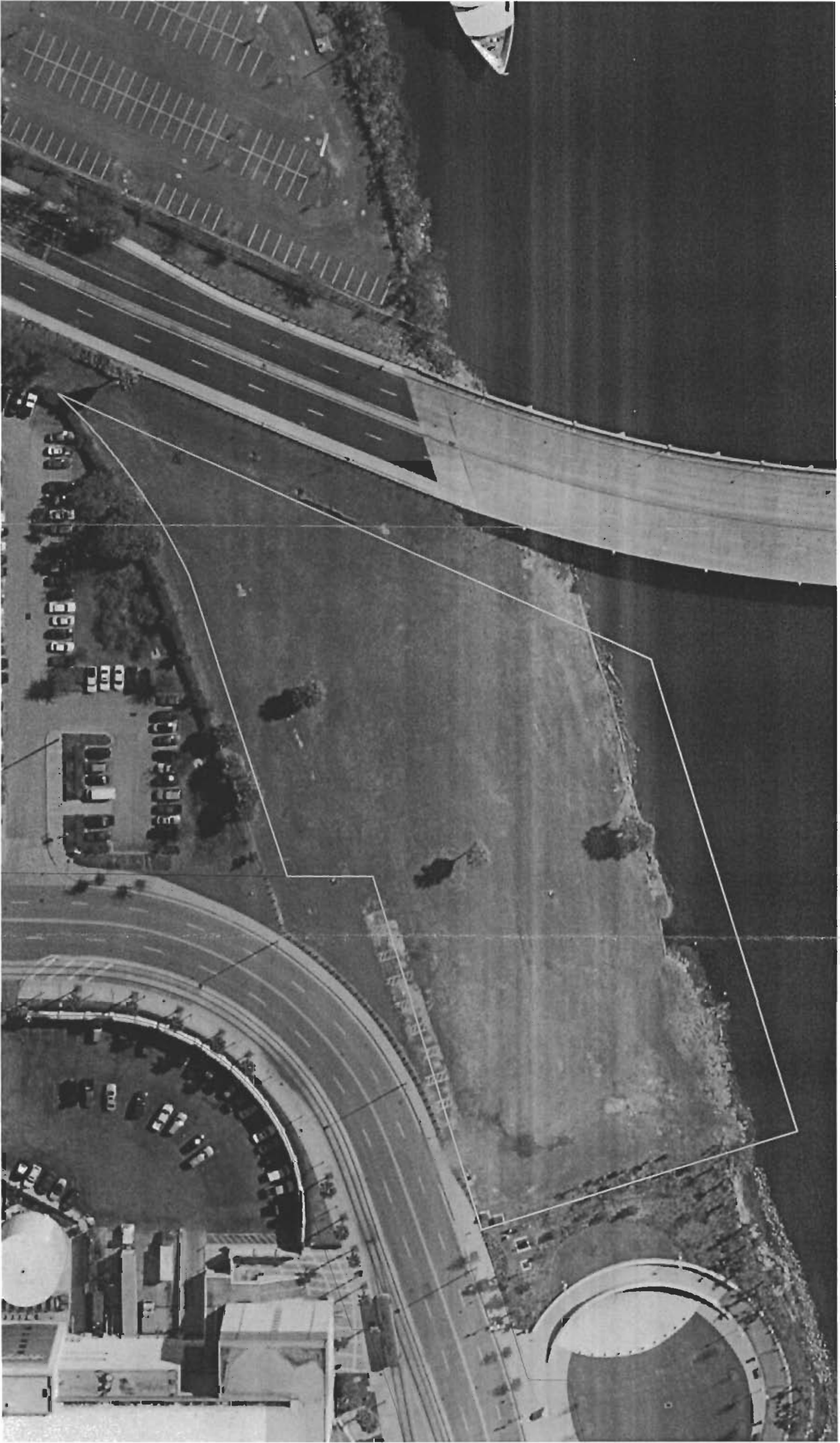
**Completed applications must be received at the above address by  
 5:00pm (EDT), August 1, 2005.**

**Late applications and email applications will not be considered.**

[www.epchc.org](http://www.epchc.org)  
 E-Mail: [epcinfo@epchc.org](mailto:epcinfo@epchc.org)  
 AN AFFIRMATIVE ACTION – EQUAL OPPORTUNITY EMPLOYER

## 1. General Map of Project Site

**See Attached**



FORT BROOKE COTANCHOBEE PARK

Scale: 1" = 60'



## **2. Principal Investigator and Key Personnel**

Principal Investigator

Jim Valentine, ASLA  
Special Services Manager  
City of Tampa Parks Department  
7525 North Boulevard  
Tampa, Florida 33604  
(813)931-2628

Bachelor of Science in Landscape Architecture, 1979

University of Georgia

State of Florida Landscape Architect #1469

Mr. Valentine has been employed by the City of Tampa in the Parks Department Project Planning Division for 13 years. During this time, he has participated in design and management of many restoration projects in the Tampa Bay area including McKay Bay Nature Park, DeSoto Park and earlier phases of Cypress Point Park.

Key Personnel

Steve Graham  
Urban Forester  
City of Tampa Parks Department  
7525 North Boulevard  
Tampa, Florida 33604  
(813) 931-2639

Bachelor of Science in Forest Resources, 1978

Master of Agriculture in Environmental Horticulture, 1982

University of Florida

Mr. Graham has been employed by the City of Tampa Parks Department since 1982 and performs arborist and biological services for the Parks Department. Mr. Graham is involved with environmental restoration projects and development review.

Greg Howe  
Naturalist  
City of Tampa Parks and Recreation Department  
7525 North Boulevard  
Tampa, Florida  
(813) 931-2630

Bachelor of Science in Environmental Science and Policy, 2002

University of South Florida

Associate of Science in Biological Parks, 1985

Santa Fe Community College, Gainesville, Florida

International Society of Arboricultural Certified Arborist FL-#0824

Mr. Howe has been employed by the City of Tampa Parks and Recreation Department since April 2004 and performs environmental and arboricultural services. Mr. Howe is involved in development reviews, development habitat management plans and terrestrial and marine restoration work.

Prior to working for the City of Tampa Mr. Howe worked seventeen years for a municipal government performing environmental services, including habitat management and restoration.

### **3. Project Narrative**

#### **Seawall Removal and Shoreline Restoration at Cotanchobee-Fort Brooke Park, Phase III**

Tampa Bay is designated as an “estuary of national significance” by the National Estuary Program. Goals for Tampa Bay include restoring approximately 2000 acres of coastal habitat and improving water quality. The goals of the PRF are closely associated, focusing on the reduction and elimination of pollution sources. The Tampa downtown waterfront has historically been a commercial/industrial waterfront—the natural shoreline and vegetation having been dredged and developed since the late 1800’s. This particular site has a deteriorating hardened seawall and was an asphalt plant for many years. The site is vacant, largely covered with compacted shell and asphalt. The City of Tampa acquired the site in 200X with assistance from the Florida Communities Trust. The site will be developed as the final phase of Cotanchobee-Fort Brooke Park, and will be the location for the Tampa Bay History Museum. As part of this development, the department would like to restore the hardened seawall shoreline to a natural shoreline. This will remove the potential for any remaining pollutants from past industrial uses to enter the bay through erosion or seawall collapse, it will continue the natural shoreline—the only non-hardened shoreline in downtown Tampa—in this phase of the park and will serve as a water treatment and educational tool for the visitors of the Tampa Bay History Center, which will be located on this parcel. The natural shoreline has also provided an area for wildlife, particularly birds, to use.

#### **4. Scope of Work**

The scope of work will be the removal of the existing seawall, the regrading of the shoreline to a natural slope, the stabilization of the shoreline with limerock and other natural materials and the planting and establishment of appropriate native plant material for wetland and shoreline habitat creation.

This shoreline is part of the development of Cotanchobee Fort Brooke Park, Phase III, which continues the park eastward to the Beneficial Drive bridge and will house the Tampa Bay History Museum and will include the continuation of the Riverwalk along the shoreline. The design of the shoreline restoration and the park are not part of this funding request.