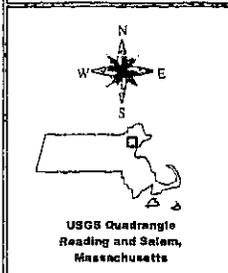
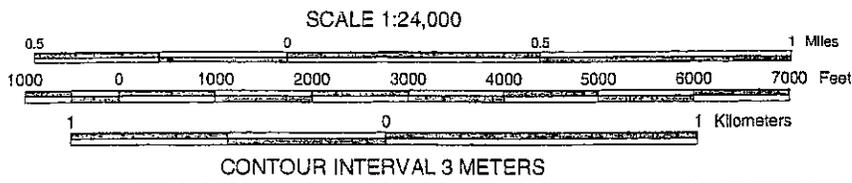
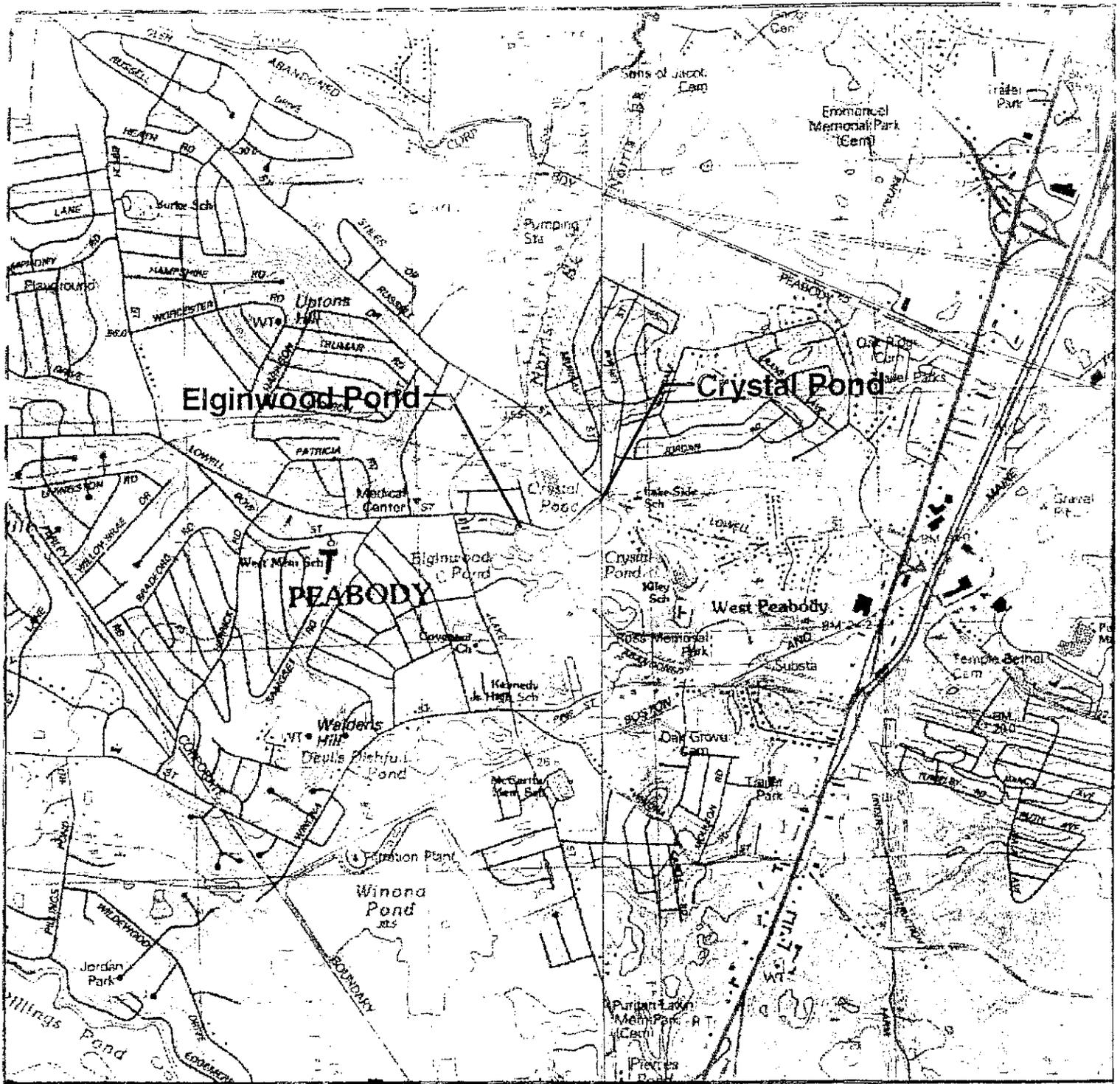


## FIGURES



**Site Locus**

Lowell Street  
Peabody, Massachusetts

**Crystal and Elginwood  
Ponds Dredging Project**

MEPA NOTICE OF PROJECT CHANGE

Job Number 8726-453

Figure 1

**APPENDIX A**

**2000 Lake and Pond Grant Program Application  
and  
Approval Letter**



COMMONWEALTH OF MASSACHUSETTS  
 EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS  
 DEPARTMENT OF ENVIRONMENTAL MANAGEMENT



100 CAMBRIDGE STREET, BOSTON, MA 02202  
 PHONE: 617-626-1250 FAX: 617-626-1449  
 www.state.ma.us/dem/

April 12, 2000

Argeo Paul Cellucci  
 GOVERNOR

Jane Swift  
 LIEUTENANT GOVERNOR

Bob Durand  
 SECRETARY

Peter C. Webber  
 COMMISSIONER

Vera Kolias, Senior Planner  
 Department of Community Development & Planning  
 City Hall-24 Lowell Street  
 Peabody, MA 01960

Dear Ms. Kolias:

We are pleased to announce that your application for the Department's 2000 Lake and Pond Grant program for the Crystal Lake and Elginwood Pond project was selected for funding at the amount requested. The program drew forty-nine applicants this year, and all were beneficial and commendable projects.

We will soon be sending you a contract for your project which will include the conditions related to your grant. If you have any questions or need additional information on your grant award, please call Steve Asen at (617) 626-1353.

The Department is pleased to work with your community and others across the state in protecting and enhancing the water quality and recreational pursuits of public water bodies in the Commonwealth.

Very truly yours,

Peter C. Webber  
 Commissioner



City of Peabody

**Department of Community Development and Planning**

City Hall • 24 Lowell Street • Peabody, Massachusetts 01960 • Tel. 978-532-3000 • Fax 978-531-9908

Grants Administrator  
Lake and Pond Grants  
DEM Office of Water Resources  
100 Cambridge St., 19<sup>th</sup> Floor  
Boston, MA 02202-0001

December 27, 1999

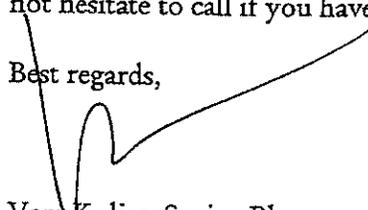
To Whom It May Concern,

On behalf of the City of Peabody, please accept this application for *2000 Lake and Pond Grant Program*. The City is very happy to be given this opportunity to spread the word about watershed health and maintenance to its residents. This is especially true for Crystal Lake and Elginwood Pond, natural icons in West Peabody.

As stated in the application, Crystal Lake and Elginwood Pond are in dire need of restoration work. While the City is determined to do its part in this project, we realized that surrounding residents and neighborhoods (not to mention the ponds themselves) would benefit from an educational brochure describing the watershed and their place in it. We believe that this brochure, in a clearly presented format, complete with graphics and action steps, will go a long way to partner with the dredging and restoration work and result in a successful project that will foster a new environmental stewardship and awareness in Peabody.

We hope that you consider this valuable community asset when reviewing this application. Please do not hesitate to call if you have any questions.

Best regards,



Vera Kolias, Senior Planner

DEPARTMENT OF COMMUNITY DEVELOPMENT & PLANNING

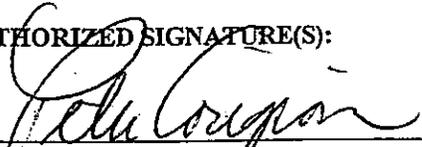
Department of Environmental Management  
**Lakes and Ponds Program**

**2000 Lake and Pond Grant Application form**

In order to consider an application complete, the following materials must be submitted (Please limit your description to a few pages):

1. Completed Summary Page of Application
2. Written description and documentation that the application meets the Eligibility Requirements
3. Written description and documentation of "Project Selection Criteria"
4. Completed Public Access Questionnaire
5. Other materials as appropriate (maps, portions of diagnostic/feasibility study, etc.)
6. Proposed Project Budget: please attach separate page to the summary page of application which describes the tasks and the total project dollars to be spent on each task
7. Application must be signed by the Chief Executive Officer of the municipality, commission, authority or district.

AUTHORIZED SIGNATURE(S):

 ( Peter Torigian ) Mayor  
SIGNED, Chief Executive Officer NAME PRINTED Title

Date: 12-27-99

Project Contact Person: Vera Koliass, Senior Planner

Address: City Hall, 24 Lowell St.

Peabody, MA 01960

Day time

Telephone: 978-532-3000 Fax: 978-531-9908

If a lake association, lake district watershed association or Indian Tribe is applying with a municipality, the application must also be signed by the Chief Executive Officer of the association or Tribe.

\_\_\_\_\_  
SIGNED, Chief Executive Officer ( ) NAME PRINTED Title

Date: \_\_\_\_\_

Department of Environmental Management  
Lakes and Ponds Program

2000 Lake and Pond Grant Application form

SUMMARY PAGE

1. Applicant: City of Peabody

2. Co-Applicant (if any): \_\_\_\_\_

3. Name of Lake or Pond: Crystal Lake & Elginwood Pond City/Town: Peabody

4. Project Title: Crystal Lake and Elginwood Pond - A watershed management brochure

5. Location of project: (Attach an 8½" X 11" location map to scale, preferably on a recent USGS quadrangle sheet indicating the location of project limits and boundaries.)

6. Total cost estimate of project: \$ 500.00 + staff time and supplies

State grant being sought: \$ 250.00 Local Share: \$ 250.00

7. Summary of proposed project; including the specific problem to be solved, how the project will solve the problem, and specifically what tasks will be carried out with the funds:

Following significant development within their drainage area over the last decade, Crystal Lake and Elginwood Pond are experiencing an advanced stage of eutrophication and transition into an emergent wetland is underway. Both have shallow depths, deep muck deposits, and excessive growths of floating, submerged and emergent plants. Consultant recommendations state that dredging is the only viable approach for handling existing problems of sediment accumulation and rooted plant growth. To that end, the City is in the process of preparing an EIR for the dredging of Crystal Lake and Elginwood Pond, to begin in the summer of 2000. This grant proposal involves the printing of a watershed management publication to be distributed to all residences and businesses in the drainage area of these two waterbodies. As previously stated, the surrounding developments have contributed to the sedimentation and eutrophication problems. Residents and municipal officials alike must be made aware of this ecosystem, the associated problems, and their needed contributions to the solution. Aside from an informative explanation of watershed health and maintenance, many actions will be recommended, such as:

- ⊗ a city commitment by the Department of Public Services to limit salt and sand treatments on surrounding roadways;
- ⊗ regular cleaning of catchbasins and street sweeping;
- ⊗ limiting the use of lawn and garden fertilizers;
- ⊗ limiting sand, salt, and de-icing product use on driveways;
- ⊗ composting leaf litter;
- ⊗ keeping storm drains free of inappropriate substances;
- ⊗ and many others.



Department of Environmental Management  
Lakes and Ponds Program

2000 Lake and Pond Grant Application form

Public Access Questionnaire

Name of City/Town ----- City of Peabody -----

Name of Lake/Pond ----- Crystal Lake and Elginwood Pond -----

Contact Person --- Vera Koliass, Senior Planner -----

Daytime Telephone Number - 978-532-3000, x. 390 -----

1 a. Is there a swimming beach on this lake/pond? YES  NO

1 b. Is there more than one swimming beach on this lake/pond? YES  NO   
If yes, how many swimming beaches are there? \_\_\_\_\_

If yes, please check the appropriate selection below for each swimming beach (add pages as needed):

Beach #1    Beach #2

- \_\_\_\_\_ Beach and parking area are open to all residents of the Commonwealth free of charge.
- \_\_\_\_\_ Beach and parking area are open to all residents of the Commonwealth for a fee. \$\_\_\_\_\_ Resident Fee    \$\_\_\_\_\_ Nonresident Fee.
- \_\_\_\_\_ Beach and parking area are open to town residents only free of charge.
- \_\_\_\_\_ Beach and parking area are open to town residents only for a fee (\$\_\_\_\_\_).
- \_\_\_\_\_ Beach is open to all residents of the Commonwealth free of charge; and parking is open to town residents only.
- \_\_\_\_\_ Beach is open to all citizens of the Commonwealth for a fee, \$\_\_\_\_\_ Resident Fee.    \$\_\_\_\_\_ Nonresident Fee; and parking is open to town residents only. \$\_\_\_\_\_ Resident Fee.

Use the space below to briefly describe the public access, parking, fees and additional comments. Please attach a copy of your town's beach access and parking fee schedule:

2. Is there boating access? YES NO

If yes, please check the appropriate selections below:

- Boating access is provided by a state boat ramp. Ramp access and parking area are open to all residents of the Commonwealth free of charge.
- Boating access is provided by a state boat ramp. Ramp access and parking area are open to all residents of the Commonwealth for a fee (\$ \_\_\_\_\_).
- Boating access is provided by a town boat ramp. Town boat ramp and parking area are open to all citizens of the Commonwealth free of charge.
- Boating access is provided by a town boat ramp. Town boat ramp and parking area are open to all residents of the Commonwealth for a fee (\$ \_\_\_\_\_ Resident \$ \_\_\_\_\_ Nonresident).
- Boating access is provided by a town boat ramp. Town boat ramp and parking area are open to town residents only, free of charge.
- Boating access is provided by a town boat ramp. Town boat ramp and parking area are open to town residents only for a fee (\$ \_\_\_\_\_).

Use the space below to briefly describe the public access, parking, fees and additional comments:

Both ponds are accessible for boats, (canoe and rowboats), but by an unmaintained access point; i.e. a shoreline launch area, not a boat ramp. Both ponds are accessible and open to all residents of the Commonwealth free of charge.

3. Are there other lake/pond recreational opportunities dependent on public access?

NO

YES (examples: fishing, scenic viewing, ice skating, etc)

If yes please describe below:

Fishing, scenic viewing, hiking, and exploring on conservation lands. Proposed bikeway  
Recreational Activity: will also be available.

Is the activity opened to the general public? Is the activity opened to town residents only? Describe the public access as it relates to the recreational activity.

The entire area is open to the public, with access available from Lowell St. and limited parking in the vicinity.

## Crystal Lake and Elginwood Pond – A watershed management brochure

### Eligibility Requirements

This grant proposal from the City of Peabody for a watershed management brochure for Crystal Lake and Elginwood Pond meets all of the eligibility requirements. Particularly:

1. Crystal Lake and Elginwood Pond are both freshwater bodies.
2. Crystal Lake is managed by the City of Peabody Conservation Commission and Elginwood Pond is managed by the City of Peabody.
3. Access to the waterbodies is formally by Crystal Drive, which runs between the two. Various other points of access exist as well. Plans for improved access exist within the upcoming dredging EIR.
4. Both waterbodies are used for boating, fishing, and other recreational activities, but not swimming.
5. The project meets all environmental standards and will not require permits.
6. The City of Peabody is able to meet the required cash match through City funds, available immediately.
7. The 1998 Lake and Pond Grant for Spring Pond was successfully completed in June 1999.

### Introduction

Located in the Norris Brook Watershed, Crystal Lake and Elginwood Pond are gems in West Peabody. Owned and managed by the Peabody Conservation Commission and long enjoyed by residents for ice skating, fishing, boating, hiking in the surrounding forests, and simply scenic appreciation, these two waterbodies are natural icons. The proposed Peabody Bikeway uses an abandoned railroad bed that runs between the two and will encourage even more people to enjoy the ponds. Unfortunately, they are also in trouble.

Following significant development within their drainage area over the last decade, both waterbodies are experiencing an advanced stage of eutrophication and transition into an emergent wetland is underway. Both have shallow depths, deep muck deposits, and excessive growths of floating, submerged and emergent plants. Residents living on Elginwood Pond have stated that their yards have enlarged due to the severe sedimentation.

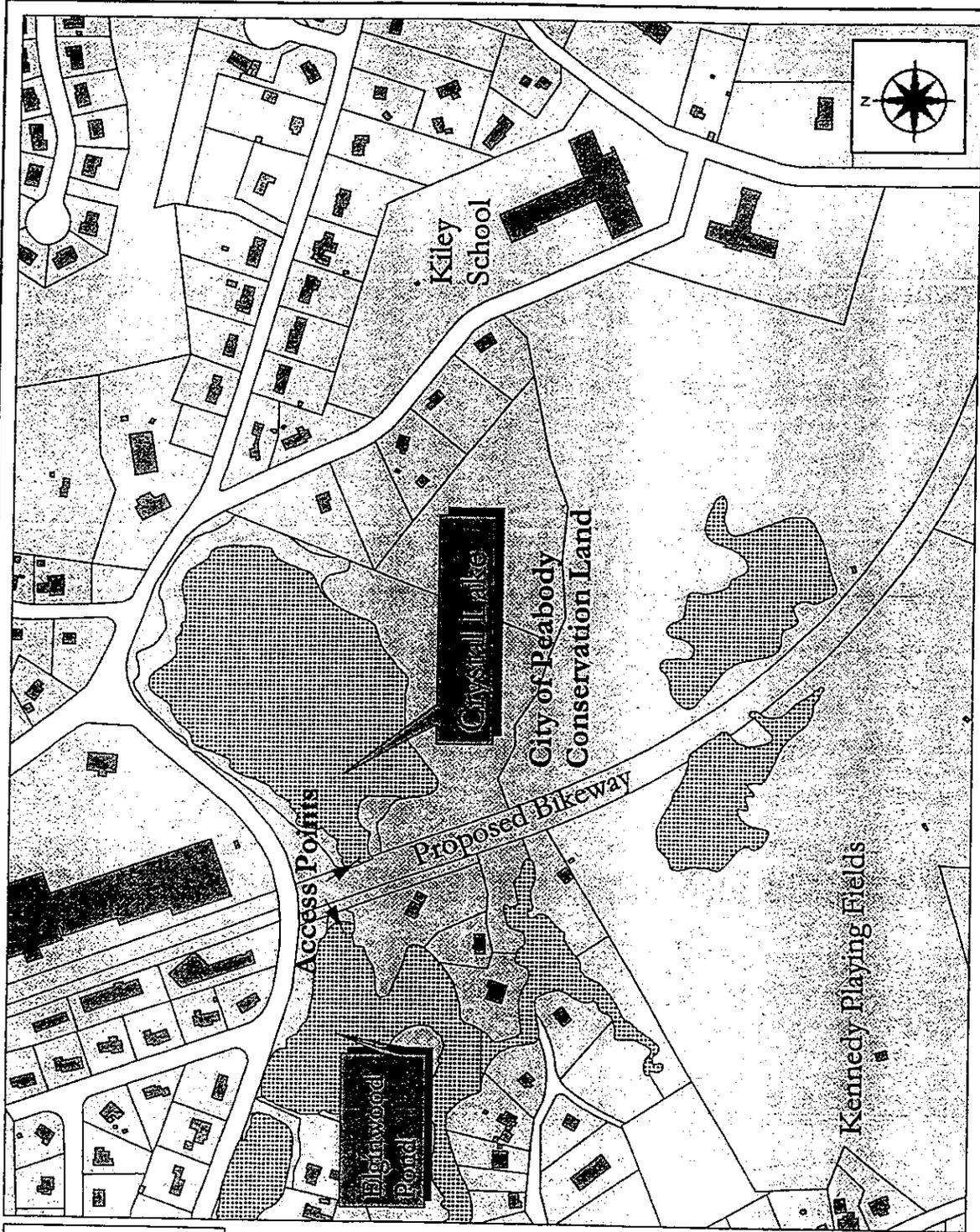
In order to repair and restore the two to their original health and vitality, in 1995 the City commissioned a study to analyze the physical, chemical, and biological features of each waterbody, and prepare diagnostic conclusions and details of their degraded conditions. The recommendations state that dredging is the only viable approach for handling existing problems of sediment accumulation and rooted plant growth. Formed in 1997, the Conservation Commission Ad Hoc Committee for Crystal Lake and Elginwood Pond, consisting of Commission members and residents, concurred with the Fugro report and wholeheartedly supports the conclusions.

To that end, the City is in the process of preparing an EIR for the dredging of Crystal Lake and Elginwood Pond, to begin in the summer of 2000. A public hearing before the Peabody Conservation Commission resulted in an Order of Conditions, as they wholly agreed with the necessity of this project. A neighborhood meeting showed the consensus amongst residents that there is indeed a problem, and dredging is a reasonable solution. However, dredging is not the only answer.



**Proposed Budget**

Preparation of written and graphic material for brochure:	in kind services provided by City of Peabody staff
Design and printing of brochure:	\$500.00
<b>TOTAL PROJECT BUDGET:</b>	<b>\$500.00</b>
(budget figure does not include staff time)	



**Crystal Lake and  
Elginwood Pond**  
Peabody, MA  
GIS Application

