

HOUSATONIC RIVER NATURAL RESOURCES RESTORATION PROJECT
CONNECTICUT SUBCOUNCIL REQUEST FOR PROPOSALS (RFP)

Part A: RESPONDER AND PROJECT SUMMARY FORM

Please read "RFP: Overview of Selection Process" before completing this form.

Part A must be completed using Submittal Form A.

Responses may be entered electronically using the Microsoft Word version of Part A of this form available on the Housatonic River Basin Natural Resource Restoration Project in Connecticut website (www.housatonicrestoration.org), saved and printed. Alternatively, the responder may print the form and complete it with black ink.

An Adobe Acrobat version of the entire form (Part A and Part B) is also available on the Housatonic River Basin Natural Resource Restoration Project in Connecticut website

Project Name Provide a brief working name.

Ballantine Park Streambank Restoration/Stabilization

Responder – if there is more than one party involved in the project, please provide the information for the primary or lead party.

Mark A. R. Cooper

Name

First Selectman

Title

501 Main Street South

Address

Address

Southbury

CT

06488

City

State

Zip

203-262-0647

Phone

selectman@southbury-ct.gov

Email

Type of Entity

Check the box that best describes the primary respondent.

- Private individual
- Non-profit organization
- Municipal government
- State government
- County government
- Federal government
- Tribal government
- Corporation or Business
- Academic Institution
- Other (explain)

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Project Implementation

Does the responder plan to be the Project Sponsor and respond to the Request for Supplemental Information (RSI) pending approval of this Proposal?

Yes No

If yes, please list any other project participants. _____

If the responder does **NOT** plan to be the Project Sponsor and does **NOT** intend to respond to the Request for Supplemental

Information (RSI), is the responder interested in being a project participant and assisting a different Project Sponsor on this project?

Yes No

Request for Proposals:

Restoration Priority Funding Category See Sec. 3 of "RFP: Overview of Selection Process" for category descriptions.

Primary Restoration Category. Check the restoration category that is the primary goal of the project.

Check one box.

- Aquatic Natural Resources Restoration/Enhancement
 Riparian & Floodplain Natural Resources Restoration/Enhancement
 Restoration/Enhancement of Recreational Uses of Natural Resources

Secondary Categories. Check all relevant boxes.

- Aquatic Natural Resources Restoration/Enhancement
 Riparian & Floodplain Natural Resources Restoration/Enhancement
 Restoration/Enhancement of Recreational Uses of Natural Resources

List Specific Injured Natural Resources and/or Impaired Natural Resource Services to Benefit from Project

Improve water quality in Pomperaug River and enhance fish and invertebrates habitats in the vicinity of Ballantine Park. Eliminate a severe erosion problem and reduce sedimentation in areas downstream of area. Stabilization of embankment with native vegetation.

Project Location (if known) See directions and "RFP: Overview of Selection Process" for additional materials to provide (maps, aerial photographs)

Municipality/ies:

Southbury

Longitude for approximate center of project area: 73.22064 W

Latitude for approximate center of project area: 41.48621 N

Project Budget Estimate (if known)

Total Project Cost Estimate: \$ 140,000 to \$200,000

Housatonic River NRD Fund Estimate: \$

Project Narrative: Ballentine Park River Embankment Restoration Project

Location:

The Town of Southbury encompasses about 40 square miles of land area in southwestern Connecticut. The town is bounded on the west by the Shepaug River and about 9 miles of the Housatonic River (forming Lake Zoar and Lake Lillinonah), the Eight Mile Brook to the East, and has the Pomperaug River running diagonally through town. All of Southbury is within the Housatonic River Basin with the town's three watersheds draining to the Housatonic River. The Ballentine Park River Embankment Restoration Project is located on the Pomperaug River, which discharges into the Housatonic River, just west of the I-84 Rochambeau Bridge.

Problem Statement:

A portion of the Pomperaug River embankment, adjacent to Ballentine Park, has become unstable and has developed a serious erosion problem. The erosion of this portion of the Pomperaug River embankment at Ballentine Park is caused by the natural flow of water meandering around the bend of the river at this location. The combination of the stream's meandering alignment and the sandy soils has resulted in some significant stream bank erosion. The erosion is contributing to sedimentation of both the Pomperaug and Housatonic Rivers, degrading their water quality ecologically, recreationally, and economically.

Project Goals and Objectives:

The primary goal of the Ballentine Park River Embankment Restoration Project is to stabilize a portion of the Pomperaug River embankment to reduce sedimentation in the Housatonic River Watershed. This project will help to rehabilitate, restore, and enhance the watershed's natural resources by providing immediate, sustainable, and measurable benefits.

The stabilization of the river embankment at this location will restore and enhance the rivers habitat by reducing the level of sedimentation, considered by some to be the number 1 pollutant of our streams and rivers. In addition to negatively impacting aquatic organisms, the ultimate deposition of this sediment in Lake Zoar decreases its recreational value for fishing and boating, as well as its storage capacity.

Project Benefits:

Stabilization of the embankment will provide immediate and sustained benefits to the Housatonic River watershed. The immediate benefits of this restoration project by reducing sedimentation of the water will include improved water quality for aquatic life and their habitat. Over time, a sustained benefit of the healthier aquatic habitat will result in healthier aquatic life, including sport fish. With less sedimentation, the rivers natural flow channel will clear, restoring and enhancing recreational opportunities such as recreational fishing and canoeing.

General Implementation Tasks:

To implement the Ballentine Park River Embankment Restoration Project, the Town of Southbury would engage a contractor with river embankment restoration experience to remediate the erosion problem incorporating bio-engineering techniques that use native materials and vegetation to protect the river bank. Based on preliminary recommendations by Thomas J. Daly, P.E., of Milone & MacBroom, Inc., remediation of this problem would likely include the following steps:

- Removal of debris in the river channel that may restrict and divert the natural flow of the stream at this location.
- Stabilize the slope by regrading the vertical bank face, preferably with a 1' vertical to 2' horizontal slope.
- Protect the toe of the slope integrating bio-engineered structural protection, wherever possible.
- Re-establish vegetation on the slope that will strengthen and protect it from further erosion.

Follow-up and Monitoring

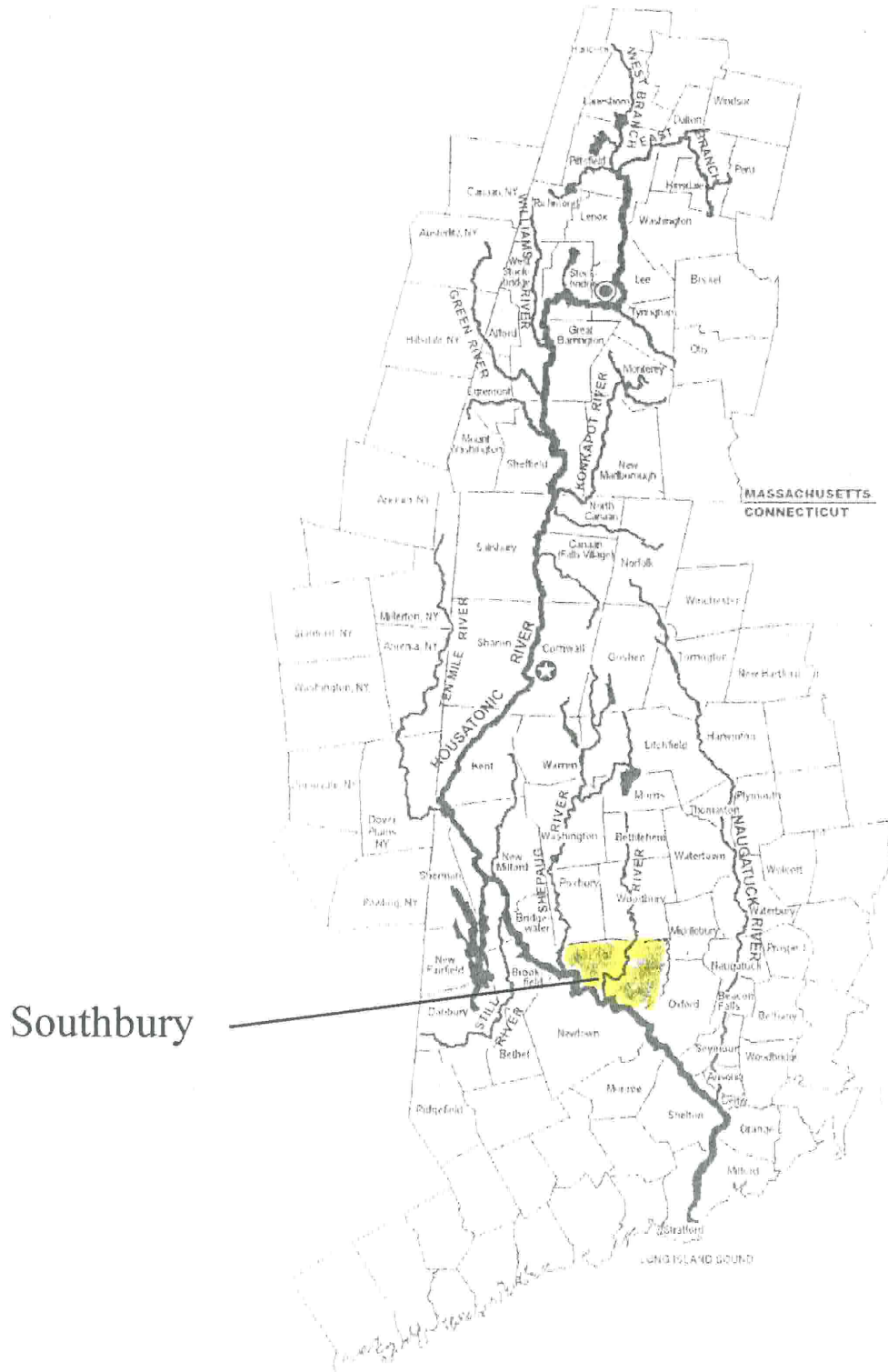
Once the embankment is stabilized, the Town of Southbury will utilize Land Use staff to monitor the embankment to ensure its continued stability, and in collaboration with allied groups such as the Pomperaug Watershed Coalition, monitor water quality down stream to quantify sediment reduction.

The proposed remedial plan is relatively inexpensive and easy to install. Recent cost estimates have been attached and made part of this submittal.

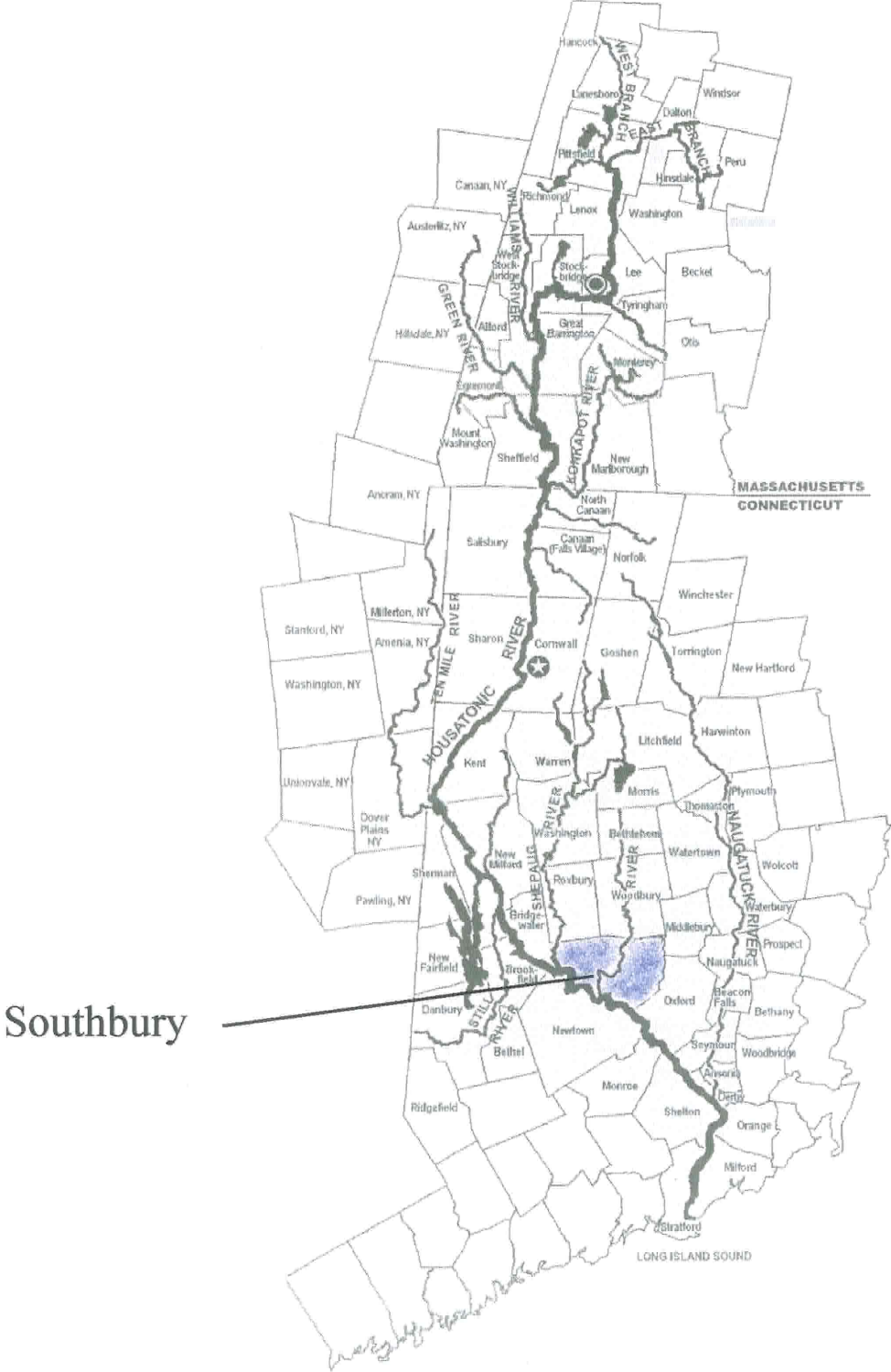
Criteria Statements: Ballentine Park River Embankment Restoration Project

1. YES. The proposal for restoring the Pomperaug River embankment contains the information as set out in the “Instructions for the Preparation and Submission of Restoration Project Proposals”. Included and made part of this submittal:
 - Part A: Responder and Project Summary Form.
 - Project narrative.
 - Project locational maps.
 - Criteria statements.
2. YES. This proposal helps restore, rehabilitate, and/or replace natural resources or natural resources services equivalent to those that were injured by the release of PCBs or other hazardous substances from the GE facility at Pittsfield, MA. The reduction of sediment into the Housatonic Watershed will improve water quality for aquatic life, will improve their habitat, will enhance recreational opportunities, and extend the economic viability of the Housatonic River.
3. NO. This proposal is not an action that is presently required under federal, state, or local law, including, but not limited to, enforcement actions.
4. NO. This proposal is not inconsistent with any federal, state, or local law or policy. The project goal is to restore and enhance the Housatonic River Watershed’s water quality and habitat by reducing the level of sedimentation, considered by some to be the number 1 pollutant of our streams and rivers.
5. NO. This proposal is not inconsistent with any ongoing or anticipated remedial actions in the Housatonic River Watershed. The project will serve to augment and compliment other ongoing remedial actions. This project is ideal for coordination and integration with similar projects and will increase public outreach and community involvement by engaging local service organizations and environmental groups in the follow-up and monitoring.

Southbury's Location In The Housatonic Watershed

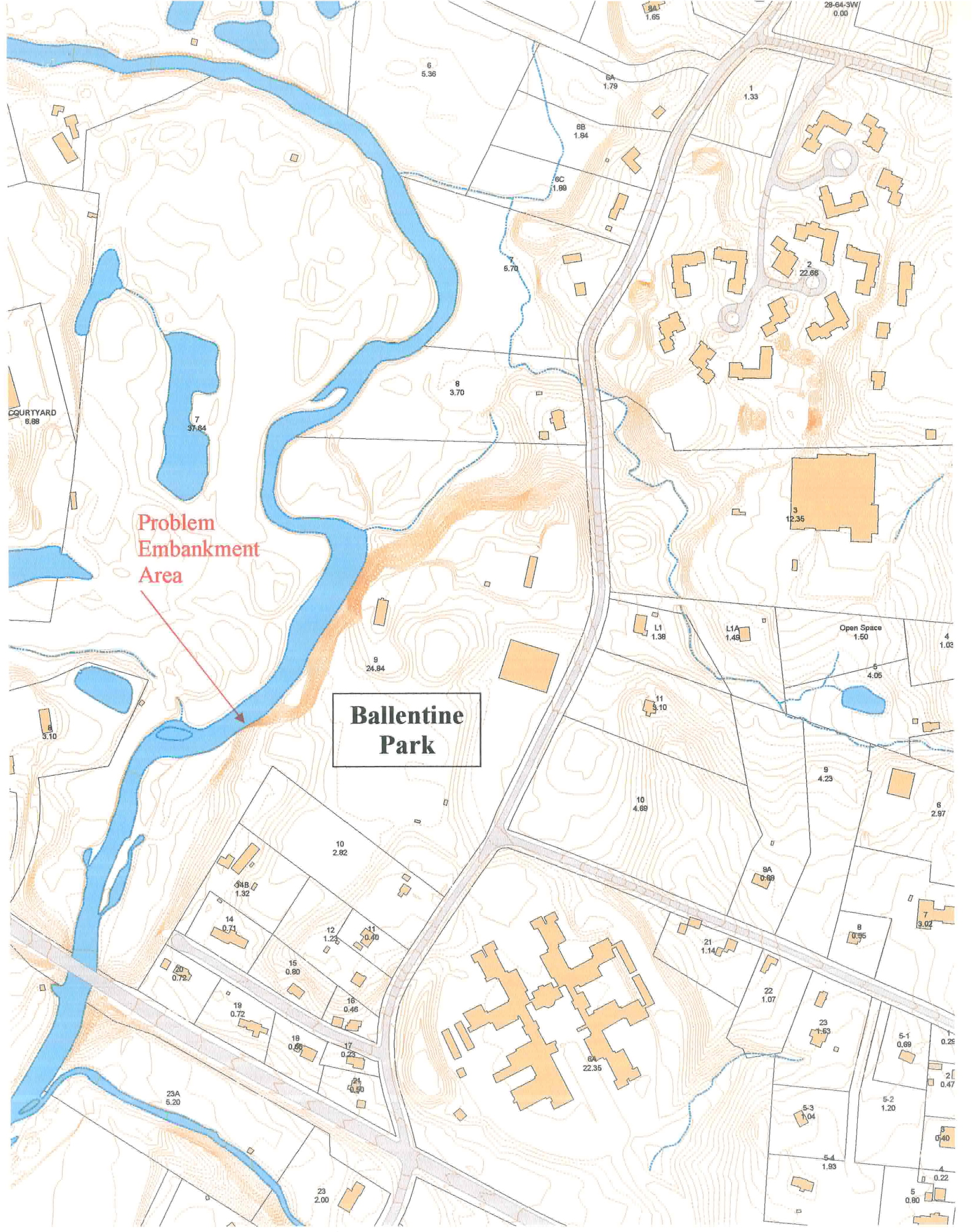


Southbury's Location In The Housatonic Watershed



**Problem
Embankment
Area**

**Ballentine
Park**



Problem Embankment Area

Ballentine Park





TOWN OF SOUTHBURY

OFFICE OF THE FIRST SELECTMAN

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Southbury, Connecticut 06488-2295

(203) 262-0647

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January 2, 2007

Michael J. Powers
CTDEP – Inland Fisheries Division
Housatonic River Natural Resources Restoration Project
79 Elm Street
Hartford, CT 06106-5127

Re: Ballentine Park River Embankment Restoration Project

Dear Mr. Powers:

Respectfully submitted for your and the CT SubCouncil's consideration, is a proposal to restore a portion of the Pomperaug River embankment at Ballentine Park in Southbury. Once funding is secured for the project, the Town is ready to proceed and would schedule the necessary work during a low flow time of the Pomperaug River to reduce any adverse environmental impacts.

Included as part of this submittal are the following documents:

- Project narrative including a brief description of the project that includes the project's goals and objectives, project benefits, and a general outline of the tasks needed to implement the project.
- Project location maps showing the location of Ballentine Park on the Pomperaug River, a GIS map of Ballentine Park, and an aerial photograph of Ballentine Park.
- Statement page addressing each of the Eligibility Criteria listed in Section 6.1 of the "RFP: Overview of Selection Process".

Thank you for your consideration of this proposal. Should you have questions or comments concerning this submittal, please feel free to contact me.

Very truly yours,

Mark A.R. Cooper
First Selectman