

Housatonic River Basin Natural Resources Restoration Project  
 Natural Resources Trustee SubCouncil for Connecticut  
 Request for Supplemental Information (RSI)  
INSTRUCTIONS

RECEIVED  
 JUN 20 2007  
 INLAND FISHERIES

**PART A: SPONSOR AND PROJECT SUMMARY FORM**

Please read "Request for Supplemental Information (RFI) OVERVIEW" and this document, "Request for Supplemental Information (RSI) INSTRUCTIONS" before completing this form.

Part A must be completed using this "Sponsor and Project Summary Form"

**SPONSOR INFORMATION**

**Type of Entity** Check the box that best describes the sponsor.

- |  |  |
|--|--|
| <input type="checkbox"/> Private individual      | <input checked="" type="checkbox"/> Municipal government |
| <input type="checkbox"/> Non-profit organization | <input type="checkbox"/> Corporation or Business         |
| <input type="checkbox"/> State government        | <input type="checkbox"/> County government               |
| <input type="checkbox"/> Federal government      | <input type="checkbox"/> Academic Institution            |
| <input type="checkbox"/> Tribal government       | <input type="checkbox"/> Other (explain)                 |

**Authorized Representative of Sponsor**  
 Valley Council of Governments

**Name**  
 Rick Dunne

**Title**  
 Executive Director

**Address**  
 12 Main Street

City	State	Zip
Derby	CT	06418

**Phone**  
 203 735 8688

**Email**  
 rdunne@valleycog.org

**Contact Person (if different from Authorized Representative):**  
 Valley Council of Governments

**Name**  
 Arthur Bogen

**Title**  
 Environmental Planner

**Address**  
 12 Main Street

City	State	Zip
Derby	CT	06418

**Phone**  
 203 735 8688

**Email**  
 abogen@valleycog.org

**Project Name** Provide a brief working name:

O'Sullivan's Island Peninsula Fishing and Habitat Enhancement and Restoration Proposal

**Project Location**

Attach an 8.5 x 11-inch map or copy of an aerial photograph showing project location and extent. Include pertinent topographic and geographic information, a scale, and north arrow.

State(s), Municipality/ies: Derby, CT

Longitude for approximate center of project area: 73 degrees 05'02.04" W

Latitude for approximate center of project area: 41 degrees 18'50.56" N

**NOTE: If a specific location(s) has/have not been selected yet, include in Part C a narrative describing how project location(s) will be selected.**

**Restoration Priority Category** See Appendix C of these Instructions for Restoration Priority Category Descriptions

**Primary 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**

Fishing for edible catch for pleasure and sustenance, boating and walking facilities lost or unavailable upstream in a public park. Addition of a disabled access fishing pier. Repair and restoration of eroded riverbank with native plant species; development of inaccessible restored areas to support sustainability and in support of habitat for other species. Reduction of non-point source pollution through construction of swale at existing riverbank parking area with safety modification of existing boat ramp.

**Project Budget Summary**

Complete the table below to summarize the budget information that is detailed in Part D: Project Budget Narrative and Forms. Sponsors are advised to complete Part D (Project Budget Narrative and Forms) before filling in the table below.

<b>Housatonic River NRD Funds – Requested</b>	<b>Other Contributions (Committed)</b>	<b>Other Contributions (Not Committed)</b>	<b>Total Project Cost (boxes 1+2+3)</b>
1. From Part D, Table 2, Box 5 \$325,000.00	2. From Part D, Table 2, Box 6 \$62,000.00	3. From Part D, Table 2, Box 7	4. From Part D, Table 2, Box 8 387,000.00
<b>Amount of Other Contributions to Be Considered as Cost-Matching to NRD Fund Request</b>			
	5. 62,000.00		

**Authorizing Statement**

I hereby declare that the information included in this project submission and all attachments is true, complete, and accurate to the best of my knowledge, and that the proposed project complies with all applicable state, local, and federal laws and regulations.



6-20-07

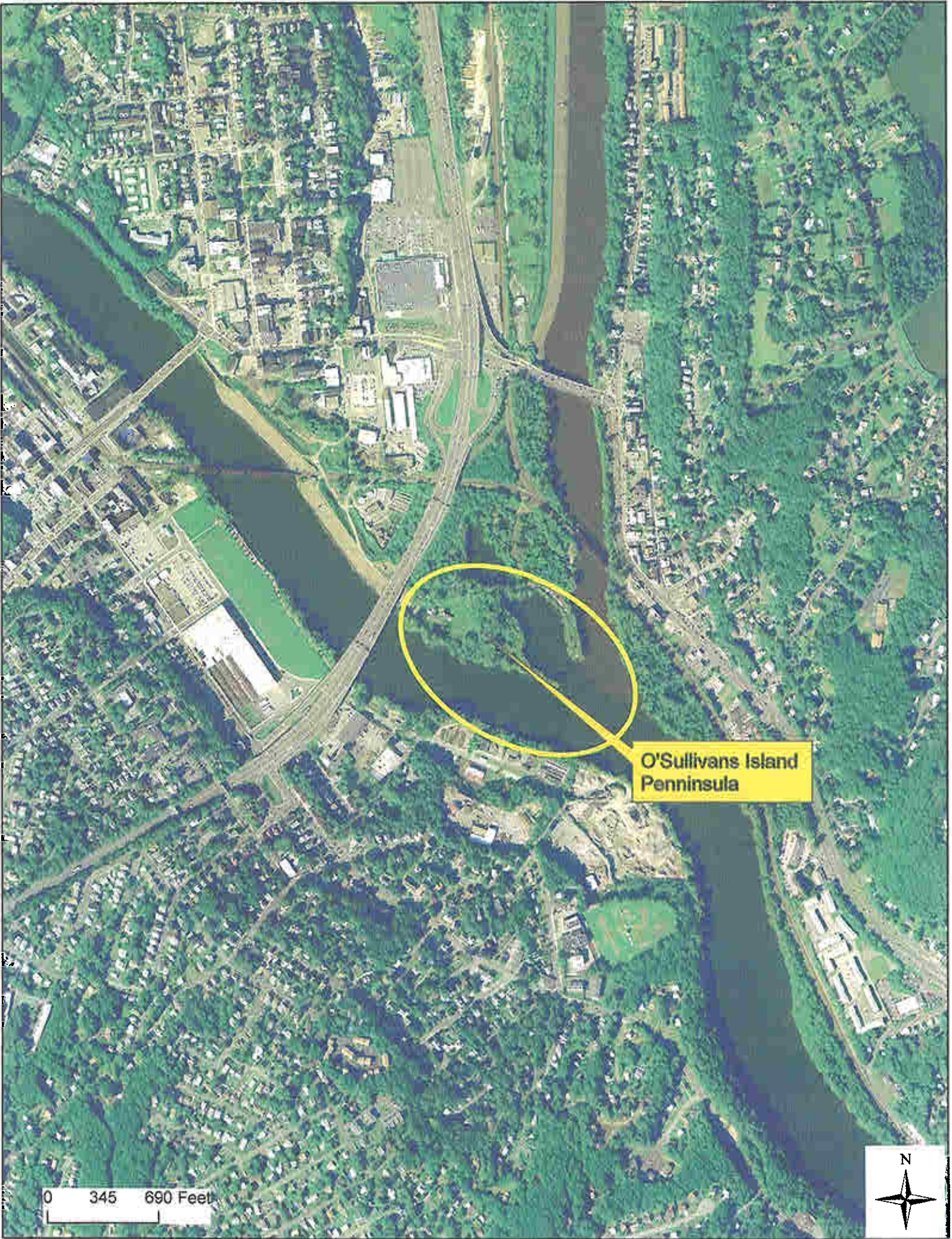
Signature of Sponsor or Sponsor Representative

Date

\_\_\_\_Rick Dunne, Executive Director, VCOG\_\_\_\_

Name of Sponsor or Sponsor Representative

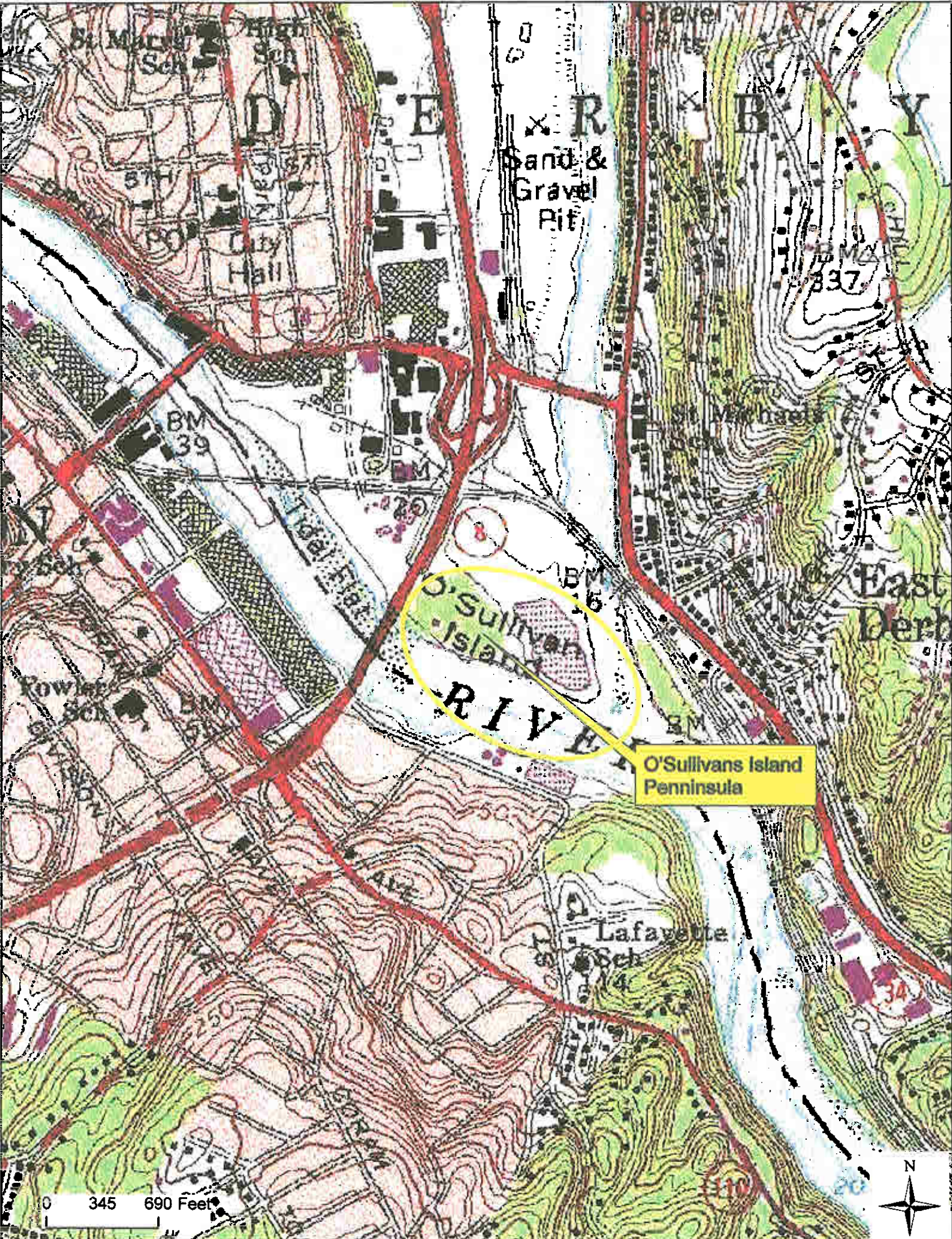
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O'Sullivan's Island  
Peninsula

0 345 690 Feet





Sand & Gravel Pit

O'Sullivan Island

O'Sullivan Island  
Penninsula

0 345 690 Feet



## Part B – Abstract – Project P-91

For more than a decade, the Valley Council of Governments has been leading efforts to restore and revitalize the O'Sullivan's Island Peninsula on the Housatonic River at Derby. A greenway now traverses one end. The demolition of abandoned structures is underway with Council management. This is a proposal to enhance fishing, boating and walking opportunities that have been lost, damaged or that are unavailable upstream. Eroded areas of the Peninsula riverbank will be restored and enhanced through invasive species removal and replanting with native species. Some areas will be redesigned as fishing spots while others will be left inaccessible to promote habitat for other species and the long term sustainability of the riverbank. Plantings will also support migratory bird populations. The existing boat ramp will be modified to enhance safety and ease of use. A planted swale will be installed along the river margin of the parking lot to capture non-point source pollution and warmer water before it enters the river. A fishing pier for disabled persons will be built parallel to the bank with a ramp at the parking lot. There will be a path to access the fishing spots and for walking of sustainable and Low Impact design constructed of porous pavers. The Atlantic salmon, walleyed pike and striped bass are already plentiful.

Valley Council of Governments – O’Sullivan’s Peninsula  
Fishing and Habitat Enhancement and Restoration Proposal

Part C Project Narrative – Imagine sunlight on the ripples of Housatonic River water. Listen to the sounds of laughter and chatting from walkers and boaters. Imagine the taste of the fish fresh caught from the pier reeled in by a disabled veteran. See the wonder on the faces of the children watching the birds flit among the berry bushes. Feel the pride of the volunteers who keep the park fresh, inviting and who come to the peninsula from all over the State. This scene is partially realized. It could be full blown with the designation of O’Sullivan’s Peninsula as a Housatonic Restoration project.



**1.0 GENERAL DESCRIPTION**

**1.1 Project Goals and Objectives –**

**Goal** - The goal of the project is to replace and acquire the recreational services that were injured or lost on the Housatonic River by enhancing the unique fishing, boat launch and greenway facilities at O’Sullivan’s peninsula in Derby that would be open to the general public.

**Objective One** – Restore and enhance the riverbank ecology.

Task 1. – Remove invasive plant species along peninsula riverbank and walkway footprint.

Task 2. - Replant native species; incorporate migratory bird food preferences.

Task 3. – Set aside some riverbank areas for planting and access for avian and/or other species.

Task 4. – Install swale at margin of parking lot to capture non-point source runoff; install plants to help degrade contaminants.

**Objective Two** – Improve the fishing areas.

Task 1. Create accessible naturalized fishing areas with boulders and plantings

Task 2. Modify slope of existing boat ramp to increase safety and accessibility

**Objective Three** – Create greenway extension for riverside walking and jogging

Task 1. Install porous pavers walkway along peninsula riverbank

**Objective Four** - Create fishing access for disabled people.

Task 1. Build accessible fishing pier and ramp on riverbank without river course intrusion.

Task 2. Construct a section of ADA-compliant greenway walk and a fishing walk of environmentally sustainable design.



Porous Paver Greenway Walk

### 1.2 –Project Scope and Project Implementation Plan

The Valley Council of Governments (VCOG) will manage this project. It serves Derby, Shelton, Ansonia and Seymour as well as some other regional communities in transportation, zoning and Brownfield matters. The VCOG has broad project design, implementation, management and fiduciary experience and capacity. The VCOG office is adjacent to the greenway and a few minutes from the site for efficient and constant management.

**Project Scope** – The scope of the project includes riverbank restoration and enhancement activities. Natural resources and services will be restored. The access provided for disabled people will be without parallel on the Housatonic and is, therefore, an addition to Connecticut recreational resources.

**Current condition** – The riverbank is eroded in places and there are areas of debris among invasive species vegetation. There is a boat launch and parking lot. Many people fish along the riverbank and lagoon. There is a busy greenway walk adjacent to the site.

**Desired future condition** – The riverbank will feature restored native plantings with easily accessible fishing coves and inaccessible natural habitat areas. There



will be a fishing walkway of sustainable design accessible as an extension of the existing greenway. There will be a fishing pier with access for disabled persons. The boat ramp will be modified by lowering its slope in the parking lot. The parking lot will end at a swale to capture non-point source pollution. People statewide will enjoy the enhanced and restored riverbank as will other species. Project Plan – VCOG staff will implement and manage the projects according to the descriptions below.

- a. Overall Approach – The VCOG will develop the specific and final Scope of Work after discussions with CTDEP to incorporate ecological best management practices considerations. It will issue an RFP for the construction including bonding and insurance requirements. The proposals will be evaluated by its Technical Advisory Committee, invited DEP representatives and other interested and qualified parties. It will negotiate and conclude the contracts including the Scope of Work and payment milestones. VCOG staff will monitor progress, issue press releases and provide all project accounting and reporting.
- b. Project Schedule – Assuming grant award in 3<sup>rd</sup> quarter of 2008. The timeline could be shortened if the permit process is less than the 18 months assumed.

Starting Period	Tasks - Preconstruction Phases A – D below	Completion Period
July 2008	A. Conclude agreements with SubCouncil; Prepare and issue RFP; evaluate proposals	July 2008
August 2008	B. Select contractor; negotiate & conclude contract; hold public outreach meeting	August 2008
September 08	C. Obtain CT permits; incorporate any design modifications & appropriate public suggestions	October 08
September 08	D. Obtain Army Corps permits, if required, for fishing pier for disabled access and boat ramp modifications	February 09
April 2010	Construction Phase I E. Remove non-native species; start restoration planting & fishing area naturalizations as weather permits; hold on site public tour	October 10
April 10	Construction Phase II - F. Install porous pavers walkway	October 10
April 10	Construction Phase III G. Construct fishing pier; modify boat ramp; install parking lot swale with plantings	October 10
November 10	Final Phase - H. Finish all remaining details & phases of project	December 10
December 10	Final Phase - I. Dedication of enhanced facility; final paperwork filing; data collection continues for a year.	December 2011

- c. Major Project Phases & Milestones – The following information corresponds to the tasks defined above in the Project Schedule, which is in condensed phases below, and to the Budget Tasks in Part D.
- A. Preconstruction Phase – Within this section there will be the following phases:  
 1) Preliminary Engineering 2) Design 3) Permit Application 4) Final Design.  
 VCOG staff will conclude agreements with the Housatonic Restoration CT SubCouncil. An RFP will be developed in conference with CTDEP to incorporate best management practices. VCOG staff will also continue to confer with the CT NEMO staff to achieve sustainable design sophistication. Hold a public meeting to discuss proposed design and incorporate suggestions. The RFP for both design and construction firms will be issued. The submissions will be reviewed by the volunteers and professional members of the Regional Brownfields Partnership Technical Advisory Committee. Contractors will be selected and contracts negotiated. Each contract will include the specific Scope of work agreed to with the CT SubCouncil representatives. It will also incorporate insurance and bonding requirements.  
 Milestones – VCOG contract completion; contractor contract(s), permits.
- B. Construction: Phase I – Apply for and obtain all permits. Begin invasive species removal and concurrent replanting of native species. Repair of eroded riverbank and preparation of enhanced fishing areas. Planting of natural and inaccessible areas to promote sustainability of a natural bank and habitat for other species.  
 Milestones – Permits; completion of invasive species removal; first phase of replanting.
- C. Construction Phase II – Begin installation of the fishing walkway with porous pavers. Hold on-site press conference and educational session about project goals and objectives.  
 Milestones – Walkway completion; on site event.
- D. Construction Phase III – Install supports for fishing pier for disabled persons. Construct ramp and deck for pier. Modify boat ramp to decrease slope, increasing safety and ease of access. Install and plant swale at river margin of parking lot to contain non-point pollution.  
 Milestones – Completion of fishing pier, boat ramp modifications and parking lot swale.
- E. Final Phase – Obtain sign off on completion of work obligated under contracts and permits. File final requisitions and reports. Hold dedication ceremonies. The volunteers will gather data on the parameters defined below in 2.2.4.  
 Milestones – contract signoff; dedication ceremony; VCOG web posting of measurable results.
- d. Property Access Agreements – The City of Derby owns the land and has authorized the VCOG to develop this proposal.
- e. Regulatory Approvals – VCOG staff contacted DEP about the permit requirements. A copy of the preliminary application was sent to the

Supervisor of the Permit Assistance Program. The Department staff is reviewing the request. The City of Derby Engineer has offered that there does not appear to be any requirement for a stream bed encroachment permit. The Army Corps of Engineers has also been contacted. Their preliminary opinion is that a General Permit is the probable requirement. There will be no installations in the river bed.

## 2.0 EVALUATION CRITERIA NARRATIVE

### 2.1 Relevance and Applicability of Project

2.1.1 Location of Project – The project site is located on the main stem of the Housatonic River in the watershed below the Derby dam. O’Sullivan’s Peninsula is at the confluence of the Housatonic and Naugatuck Rivers. The site is within a mile of the dam.

Staff acknowledges that the Evaluation Criteria provides for an automatic decrease in points that can be awarded to this project because it is just below, yet within sight of the Derby dam. Project partners urge the SubCouncil to consider that the project has unique and offsetting terrific aspects. This is the opportunity to enhance recreational facility without parallel on the Housatonic. No where else could people have salt and fresh water fish species accessible by public transportation with boat ramp and walking amenities.

#### The Vision of proposed enhancements-from Left to Right

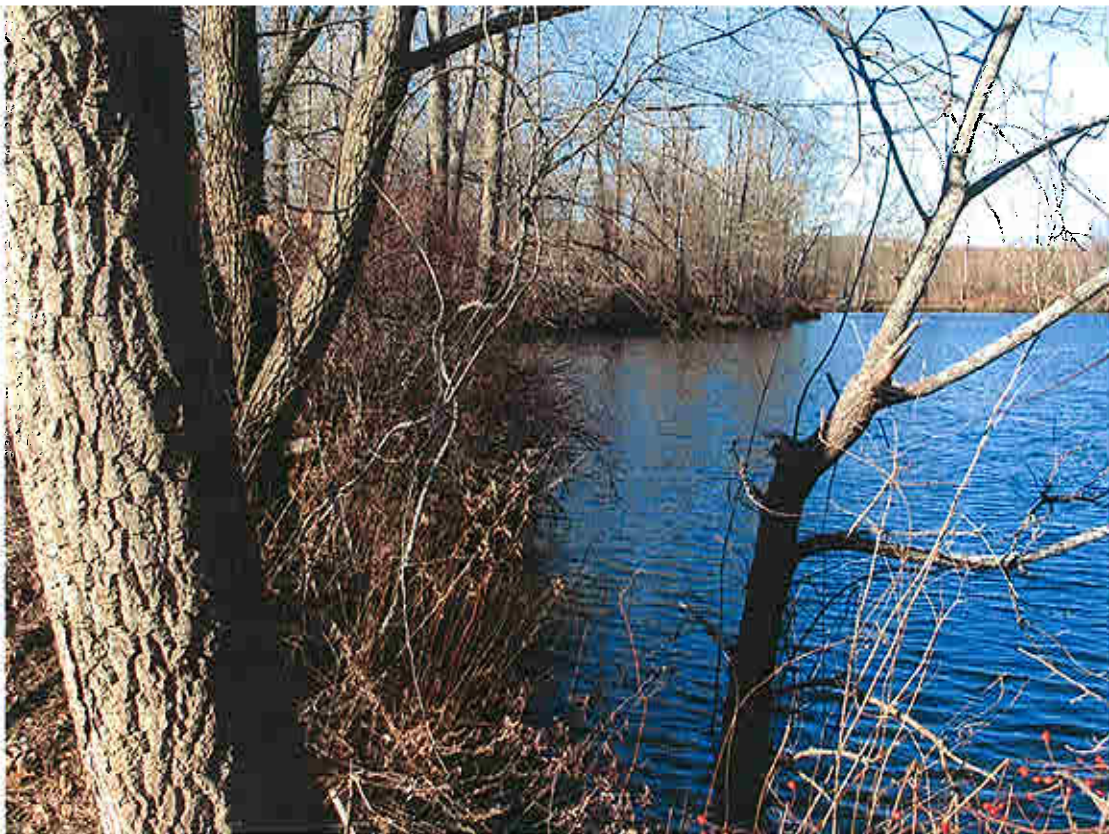
1. Boat Ramp to be modified
2. Site of Proposed Fishing Pier with Disabled Access
3. Proposed Fishing Walkway Extension
4. Existing Greenway
5. Existing gravel path



2.1.2 Natural Recovery Period – Without the proposed site modifications and intervention, there will be no natural recovery period. Non-point source pollution will continue to enter the River unless the parking lot is modified. The banks will continue to erode without replanting and modification.

2.1.3 Sustainable Benefits – There are multiple long-term benefits to the environment and to the State’s citizens. The project will increase the number of people coming to the Housatonic at Derby. Their bond to the natural habitat will be increased through their ownership of the facility. There will be a continually renewed commitment to maintain and enhance the facility. However, the enhancements will not require enormous outlays of capital or operating expense to maintain. The improvements will be part of the greenway area maintained by the Derby Public Works Department, which the City has conscientiously attended to since its opening a few years ago. The DEP Kellogg Environmental Center in Derby hosts educational events for students from the region. Their involvement in the site will help insure that the facility will have high visibility and is maintained to the highest standards. VCOG staff has contacted the Housatonic Valley Association River Steward for the area, Ron Skurat of Seymour. As they have done previously, Ron will be sure that volunteers help to police the new walkway and riverbank enhancements. Both downtown Derby and Shelton across the river from the site are undergoing revitalization with many new residents arriving. Their presence will help keep the pressure on to maintain the highest standards for this public facility.

2.1.4 Magnitude of Ecological Benefits – The foremost ecological benefit will be in the increase of native plants upon the removal of the invasive species. The riverbank fishing cove enhancements are the margin of the nearly eleven acres of the peninsula that is being restored and enhanced. This is a project that impacts an area much greater than the path of the walkway, pier and boat ramp. There is not another public land like it along the length of the River.



2.1.5 Magnitude of Recreational Benefits – There may not be another place on the Housatonic or in the State that can rival the fishing at O’Sullivan’s Peninsula. Atlantic salmon, walleyed pike and striped bass stay in the increasingly healthy waters of the river at Derby. The fish are plentiful and are edible. The accessibility is also unique. The site can be reached by boat from the Sound, by train from Waterbury or Bridgeport or east or west along the coast, by bus from similar points and, of course, by car. It is in the center of a triangle of three of the state’s largest and poorest urban centers. It is already a unique option. The enhancement of a pier for disabled people and easily accessible and beautiful fishing coves would make this a gift to all the people of the State. The benefits are clear to the members of the Fishing Advisory Council whose endorsement letter is attached. Walkers and joggers will also be able to access the riverbank where it is now nearly impassable.

## 2.2 Technical Merit

2.2.1 Technical/Technological Feasibility – All of the activities proposed for the site involve technologies that have been used for years and in many locations. There is nothing uncertain about the technologies. The implementation, such as the installation of silt fences, must be appropriate. The care of the new plants and protection of the replanted areas until they are established is critical to a successful outcome. VCOG staff will confer with CTDEP and NEMO staff to be certain that the practices are of the highest standard.

a. Methods – The approach will consist of the following:

- Invasive species removal – A staff member at the Kellogg Environmental Center in Derby is knowledgeable about both native and non-native species. Staff previously contacted the Center Director, Diane Joy, to ascertain the availability of Center staff to designate the categories of the project area vegetation. We will incorporate this phase into an educational experience for regional students.
- Replanting – We will once again rely on DEP to help select the appropriate plants for the environment with consideration for migratory bird food resources. We will solicit the voluntary consultation of a master gardener for planting assistance.
- Fishing area design – We have met with the Fishing Advisory Council and received their endorsement of the project. We will ask their members to help us design these fishing areas to reflect the types of fishing known to be and expected to be most popular at the site.
- Boat ramp modification – Staff will incorporate the slope guidelines provided by DEP. Appropriate booms will be placed in the water during the grade change.
- Fishing pier and access ramp for disabled people – The engineers will design the facility to cantilever on the bank without intrusion into the channel. They will be charged with completing all design according to ADA specifications.
- Walkway and parking lot swale design – Staff has discussed the project with the NEMO staff and would follow their guidance as to the appropriate design and installation requirements.
- Other considerations – Staff contacted the Yale School of Architecture, a past Brownfield partner, about the project. If the project proceeds, we will continue discussions on how to involve students in elements of design.

b. Approach – All the methods described above have been used elsewhere in the State.

c. Uncertainties – There are no uncertainties discerned at this time.

d. Potential Complications – Staff does not see any technical or technological complications at this time. There is the potential for delay in receiving an Army Corps permit review and authorization. The timeline reflects a window of six months for this part of the process.

### 2.2.2 Adverse Environmental Impact

The project is designed to achieve a net reduction of existing environmental impacts.

*Short-Term Impacts* - There will be largely controllable impacts from the construction activities. These include the following:

Air quality – There will be some short-term impact from the construction vehicles exhaust. Appropriate dust control measures will be taken.

Instream flow – No short-term impact anticipated.

Surface water quality – Enhancement work on the river bank will involve moving dirt and boulders and planting activities, which should be controlled by siltation fencing.

Sediment quality – No short-term impact is expected.

Soil quality – The documented areas of limited soil contamination will be removed prior to construction activities. Erosion control measures will be implemented during construction.

Ground water quality – No short-term impact is expected.

Wetlands quality and services – There are no wetlands on site. Appropriate control measures should safeguard downstream wetland areas.

Diversity and abundance of aquatic species – No short-term impact is expected.

Diversity and abundance of birds and terrestrial wildlife species – Construction activities may cause limited short-term disruption.

Diversity of plant communities – There will be removal of invasive species during construction activities, which will reduce the initial number of species.

*Long-Term Impacts* –

Air quality – Particulate reduction should occur with planting of dried out eroded areas.

Site access via multiple public transportation links could reduce emissions generated from private vehicle use. Proximity to dense urban population centers would reduce likelihood of longer distance travel. There will be some increase from vehicle use at site.

Instream flow – The installation of the parking lot swale and the redesign of the boat launch ramp should reduce the rate and amount of storm water runoff.

Surface water quality – Two improvements are anticipated: 1) swale with effective planting at parking lot edge will reduce and mitigate current non-point source runoff; 2) replanting river bank and removal of pockets of contaminated soil will eliminate current effect.

Sediment quality - Improvements are expected as described above.

Soil quality – Quality will be enhanced through contaminant removals and long-term plant life cycle activities in restored areas.

Ground water quality – Removal of source contaminants will improve quality over term. Improved infiltration by porous surface walk installation should aid in area recharge dynamics.

Wetland quality and services – Reduced source of non-point source contaminants will reduce effect on downstream wetlands.

Diversity and abundance of aquatic species – Area aquatic life may benefit from the reduction of runoff as described above.

Diversity of birds and terrestrial wild life species – Replanting will incorporate species that provide food for migratory and resident bird populations.

Diversity of plant communities – The reduction of non-point source pollution may improve the aquatic plant environment. The diversity and strength of indigenous species will be enhanced through invasive species removal and replanting of native species.

2.2.3 Human Health and Safety – Most of the recreational activities—walking, jogging and fishing—that will be enhanced by the project carry little and highly manageable human health risks. Boating safety will be improved by the launch ramp modifications. The construction activities are not considered high risk. Accidents can happen despite the best precautions. The contractors will be required to demonstrate their compliance with all relevant OSHA requirements and insurance coverage.

2.2.4 Measurable Results – There are multiple and significant ecological, economic and social results that can be identified with this project. These are:

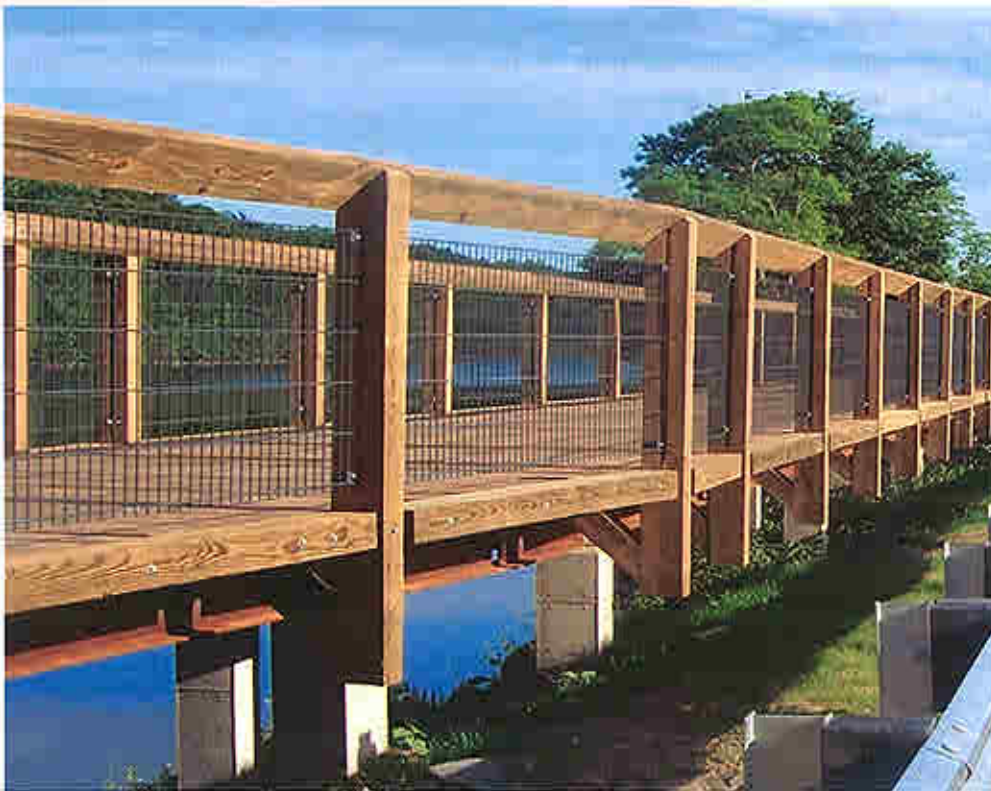
- Ecological – Invasive species will be removed from the riverbank of the peninsula and replaced with native and migratory bird sustaining plants.  
Riverbank erosion will be mitigated.  
Small pockets of contaminated soil will be removed.  
Non-point source pollution from the parking area will be captured and mitigated.  
Groundwater will be recharged through the porous pavers walkway, which means that there will be no increase in runoff from the walkway.
- Economic – Derby is a DECD “distressed community”. The improvements to this site provide a beneficial amenity to the emerging market for housing being developed in the region’s old factory buildings.  
Access from multimodal public transportation facilities means the potential for increased ridership, which increases income for the subsidized system.
- Social – This project would provide access to fishing and boating currently not available on the Housatonic for people with limited mobility. The Young’s Field ramp in New Milford provides handicapped access for canoe and kayaks. The Housatonic River State Boat Launch in Milford offers views that are accessible. It seems appropriate to address this unmet need at site so central to densely populated centers.  
The project would also provide ready access to edible fish for families that need this staple in their stretched budgets. That natural bounty of healthy waters has been historically available to everyone.  
The project would also provide a recreational facility with broad appeal for the public. Derby is proud of its history as a cultural and economic center. It invites everyone to use its greenway and this proposed one-of-a-kind park.
- Parameters – There are many possible measurements that could be made about the outcomes from this project. These could be of a technical nature such as measurement of the gallons of contaminants captured by the parking lot swale compared to the estimates of the volume that previously entered the river. There could be a comparative estimate of the number of people who use the current boat launch compared to those who will use the improved and safer ramp. We

propose, however, to measure two diverse criteria for the determination of the benefit of this unique recreational facility. First, there will be measurement of the number of disabled persons using the walkway and pier, which can be compared to zero because there is no current facility. Second, we will coordinate a migratory bird count in conjunction with volunteers from the Kellogg Center and the Ansonia Nature Center. The baseline will be established this autumn and augment existing area counts. The reference value for the bird count will be the data gathered at the two above-mentioned sites from past efforts. Volunteers will continue to conduct the bird counts at those nearby sites.

a. Monitoring/evaluation methods – The data will be gathered in on-site surveys over a period of time estimated to be for one year. The data will be collected by volunteers and staff and entered and collated at the VCOG offices.

b. Data Collection – The counting of disabled persons using the new facility will be performed by volunteers from groups associated with service agencies serving that population of our neighbors. They will be asked to publicize the existence of the facility. They will receive a form that will list the date and time of their presence at the facility and the number of disabled persons using the resource. They will also be asked to encourage comments.

The migratory bird count will be conducted after conference with the Audubon Society and an outreach meeting hosted by the VCOG to train volunteers in bird population estimating techniques.



A Pier similar to the proposed fishing pier for disabled people



Problem Resolution – If very few people use the disabled access facilities, we will conduct additional outreach. There is on-demand regional bus and van service to assist people in need of the service. We will put folks in contact with them. We will also seek corporate sponsors to promote additional information and outreach activities. If the number of migratory birds sighted at the replanted areas seems to be less than the volunteers anticipated, we will meet to discuss and revisit the assumptions as well as confer with those gathering data at the referent sites. It may be that it will take more than one cycle of seasons to establish the site for bird attraction. We will ask the volunteers to notice which plantings are most popular. If possible, we will encourage replacement of filed plants with the more popular varieties. If the volunteer and Public Works staff do not adequately water the replanting, we could have an unacceptable high rate of plant failures. We will work to increase the attention to the plant needs.

d. Monitoring Coordination – VCOG staff will coordinate the reporting of the volunteer teams. A section of the VCOG website will post the data and pictures of the new facility as well as have links to other relevant sites.

### 2.3 Project Budget

The restoration of the peninsula area has been going on for a number of years. Staff understands that expenses incurred before March 28, 2007 cannot be considered as part of the matching funds. We discuss those expenditures here to illustrate for the SubCouncil the extent of the ongoing commitment. This proposal is part of a comprehensive plan involving extensive leverage and dedication from a number of partners. EPA has provided approximately \$115,000 for environmental assessments. DECD authorized a loan to the City of Derby to demolish the abandoned buildings near the site. The City and the US Department of Transportation spent \$3,300,000 on its greenway. The City has spent hundreds of hours of Public Works staff time on cleanup and enhancement of the area. Volunteers have conducted a number of litter pickups. There have been a number of educational outreach programs conducted on the site including those conducted by the Naugatuck Valley Health District. VCOG has requested assistance from Senator Lieberman's office and from Congresswoman DeLauro's office in obtaining significant funding for further restoration activities. This proposal would deliver the fullest realization of the vision of a Brownfields site revitalized and serving everyone in the State.

2.3.1 Relationship of Expected Costs to Expected Benefits – It is difficult to construct ratios for environmental and social costs related to the project. The proposal mitigates a number of existing environmental conditions and incorporates sustainable design considerations. The remediation is concurrent with the development of the recreational facility and does not occur as a unilateral activity. On the other hand, there is some cost to the river habitat from the continuing erosion. There is additional degradation from the parking lot runoff. These are difficult to quantify as baseline costs without a study that has not been conducted for the project.

The social cost appears to also be negligible. No residents or businesses are displaced. No new roadways have to be constructed so there is no neighborhood disruption. No municipal bonding debt will be created. The outlay to develop the proposed amenities could be compared to the soft benefits such as increased pleasure and success for fishing people. One social benefit is the educational opportunity afforded regional school

children who will come to see a living classroom of sustainable, low impact design. They will see that this approach is simple and beautiful. They will carry that knowledge forward. There is yet another social benefit that staff has witnessed on a first-hand basis. A number of anglers have said that the catch at the peninsula is part of their sustenance – not recreation. The benefit to the families and children from these enhancements could be quantified but have not been studied.

The economic costs of the project are, for these purposes, considered as the total cost of the project, or the \$325,000 requested. Almost all of the cost goes directly into the proposed enhancements. There is no direct economic return from the project. There will be no entry fees or parking charges. This is a free facility. There will be increased business at area stores with this as an enhanced destination, which means support of employment and generation of taxes. There has been no feasibility study performed because this is already a destination for many people. We propose only to improve what is there, not create something untried and speculative. The returns should be immediate. The facility could be perceived as a tourist destination for some folks bringing revenues from out of state.

2.3.2 Implementation-Oriented – VCOG staff has conducted more than 50 environmental site assessments. It has worked on road projects throughout its service area. This project is designed to be implemented immediately upon authorization as defined in the proposed schedule section above. The team is assembled. The vision has been developed with public input and is ready for more specific design dialogue. The commitment for maintenance is in place. The site is already municipally-owned. We are ready and willing to get started.

2.3.3 Budget Justification and Understanding – The general tasks and allocations in conjunction with the Part D format are as follows:

Tasks	Cost
Preconstruction - RFP advertising; project management, legal review of contracts; invoice control; public outreach and regulatory liaison activities; design; pier engineering; obtain permits	\$43,000
Construction Phase I - Riverbank restoration; erosion control; invasive species removal; construction of fishing coves; planting of native species; installation of signs	\$45,000
Construction Phase II - Construction of the porous pavers fishing walkway	\$150,000
Construction Phase III - Construction of the pier; boat ramp modification; swale installation	\$85,000
Final Phase – Reporting; final requisitions.	\$2,000
Total	\$325,000

2.3.4 Leveraging of Additional Resources – None of the following allocation includes the time to prepare this application.

VCOG staff time is being expended to study demolition impacts, conduct demolition, and preparation of soil analysis by a LEP, removal of debris and other materials by City staff using EPA and DECD funds. Total \$62,000.

A Congressional request has been made for \$3,000,000 to complete the remediation of the contaminated areas of the inner peninsula and to provide restoration of natural habitat in the remediated area. If the complete funding request is authorized, it would be available in late 2008 in conjunction with the implementation of the first part of this project. Full funding would mean that the leveraging ratio could be seen as being as high as 10 to 1. However, if funding is received at only a 1/3 level, that means that the project has a better than 1 to 1 ratio.

In addition, there are volunteer hours to assist in planting, maintenance and outreach that represent many thousands of dollars of value, which, for these purposes, has been estimated at \$20,000.

On top of the foregoing, the City has committed to in-kind support to the level required for success, which we quantify for these purposes as at least \$25,000.

If all of the numbers discussed above are totaled, the range of funding leverage is from \$1,097,000 - \$3,097,000 to the \$325,000 requested.

#### 2.3.5 Comparative Cost Effectiveness – No response required.

2.4 Socioeconomic Merit The public has already been involved in the project. More than 10 years ago, the O'Sullivan's Island area was designated as the top priority site for the Regional Brownfields Partnership. More than \$100,000 has been provided to assess the conditions in the area. The City of Derby has made the commitment to fund a \$40,000 demolition of the former fire training facility adjacent to the project site. Derby voted to implement and carried out the development of a wonderful adjacent greenway that attracts hundreds of people on its busiest days. This project would serve many thousands of deserving citizens over its lifetime.

2.4.1 Community Involvement and Diversity – As detailed in the Schedule and Milestones sections, there would be a series of outreach and on-site meetings to incorporate design suggestions and to inform the public of the project progress. The VCOG and City of Derby websites will post the meeting dates and locations and information about the project. People who already use the site will be informed of the project and encouraged to participate. Information about the project will be available to the bus and train riders who use the VCOG facility.

2.4.2 Adverse Socioeconomic Impacts – It is difficult to find any adverse effects of the project. There are no residences adjacent to the site. There are no businesses that would be disrupted during construction. Perhaps some people fishing would be temporarily dislocated from a favorite spot while the riverbank restoration and planting was proceeding. There is adequate parking even if some of the area is designated for the construction activities.

2.4.3 Coordination and Integration – The proposed pier and fishing walkway would be an extension of the recently completed greenway. As such, the area fits in the plan for a greenway trail to link to Shelton across the Housatonic and with the trails coming down the Naugatuck and along the Housatonic to the Sound. Sections are being completed and planned. Area residents throughout the region want to access the rivers. The regional

Chamber of Commerce is spearheading an effort to designate the river region as a National Heritage Corridor in conjunction with the Comprehensive Economic Development Strategy group's long-range plans.

2.4.4 Public Outreach – VCOG staff has already contacted many of its historic partners in Brownfields efforts. They have expressed a willingness to help carry out this effort. As we have done with other projects, we will issue press releases, hold meetings in different locales, contact related interest groups and post web notices. Past coverage has included television and national newspaper media.

## 2.5 Applicant Implementation Capacity

The Valley Council of Governments is the sponsoring organization for this application and would administer the project. The Council staff has managed millions of dollars of transportation and environmental assessment and remediation projects.

2.5.1 Technical Capacity of Applicant and Project Team – Two groups deliver the technical expertise necessary to deliver a successful project. The first group is the staff of the Valley Council of Governments. The Executive Director is Rick Dunne, who has more than a decade of experience in successfully managing complex municipal projects. The project leader is Arthur Bogen, VCOG Environmental Planner, who has designed and facilitated remedial projects in Connecticut and New York. The Regional Brownfields Partnership Technical Advisory Committee (TAC) will review the technical phases of the project. TAC members include a representative of the Naugatuck Valley Health District, a Professor of Environmental Sciences and a Licensed Environmental Professional.

The second group of participants providing additional ecological expertise will be the volunteers and professional staff associated with three regional institutions – the Ansonia Nature Center, the regional River Steward and volunteers of the Housatonic Valley Association and the staff of the Kellogg Environmental Center. The Fishing Advisory Council has endorsed the project and their suggestions and participation will be sought.

2.5.2 Administrative Capacity of Applicant and Project Team – The Project Leader and Executive Director are supported by paid experienced administrative staff fully capable of carrying out this project. The team has worked together for years.

2.5.3 Project Commitments – All the components for a successful project have been secured. These are:

- Endorsement and commitment to sponsor and administer the project by the Board of Directors of the Valley Council of Governments.
- Commitment to service the facilities and provide public access by the City of Derby.
- Provision of in-kind value of services from the City of Derby, VCOG and volunteer groups and associations.
- Funding – The VCOG has made application through Senator Lieberman and Congresswoman DeLauro's office for additional appropriations to restore the balance of the O'Sullivan's Peninsula. These projects are mutually exclusive and not contingent on each other.

3.0 Land Acquisition Projects – N/A

**PART D PROJECT BUDGET NARRATIVE AND FORMS**

**Budget Narrative –**

The Project expenditures proposed for this application have been delineated in Tables 1 and 2, in the Project Schedule section and in the Budget Justification and Understanding section. With a fuller explanation, these are as follows:

Preconstruction – The VCOG staff and contractors will perform many activities associated with the management of the project. Included in these are the following:

Preconstruction Tasks	Responsible Party
Discuss proposed Scope of Work with DEP	Environmental Planner (EP)
Draft RFP advertising text	EP
Submit RFP to the newspapers	Administrative Staff
Answer questions raised by the respondents	EP, staff
Conduct public outreach meetings	EP, staff
Collect and review proposals	EP, staff
Interview respondents	EP, Technical Advisory Committee (TAC)
Select contractors	EP, TAC, Staff
Develop and sign contracts	Staff, counsel
Determine permit requirements	Staff, contractors
Obtain permits	EP, Staff, contractors
Draft press releases	EP, staff
Perform SubCouncil liaison activities	EP, staff
Draft & file required progress reports	EP, staff
Develop preliminary designs for walkway, pier, boat ramp modifications, swale	Contractors
Process invoices	EP, staff
Obtain funding; pay invoices	Staff
Review preliminary design plans	EP, staff
Develop text for signs	EP, staff

**Construction Phase I - Riverbank restoration; \$45,000**

Construction Phase I Tasks	Responsible Party
Installation of erosion control	contractor
Invasive species removal	contractor
Construction of fishing coves	contractor
Planting of native species	contractor
Installation of signs	contractor
Obtain required signoffs	contractor

**Construction Phase II - Construction of the porous pavers fishing walkway \$150,000**

Construction Phase II Tasks	Responsible Party
Layout and prepare walkway subsurface	contractor
Install porous pavers	contractor
Obtain required signoffs	contractor

**Construction Phase III - Construction of the pier; boat ramp modification; swale installation \$85,000**

Construction Phase III Tasks	Responsible Party
Install pier or required footings	contractor
Build pier and access ramp	contractor
Modify grade of boat launch ramp	contractor
Install swale at parking lot river edge	contractor
Obtain required signoffs	contractor

**Final Phase – Prepare final requisitions; submit required final reporting;\$2,000**

Final Phase Tasks	Responsible Party
Prepare final requisitions	Staff
submit required final reporting	Staff

**Other contributions: In-kind activities: Providers: City of Derby and volunteers**

Solicit corporate contributors for additional plantings and maintenance
Contact and follow up volunteer participants
Remove and contaminated soil spots and debris from site
Conduct interviews
Provide project monitoring of outcomes
Provide periodic maintenance
Conduct educational outreach

Assumptions – The projected expenses were developed in assumed 2008 dollar values. No inflationary adjustments are anticipated.

Contingency Capacity – Additional capacity can be expected from the City of Derby.

b. Other Contributions – The value of the volunteer contributions, although expected and significant are not counted.

c. Contributions as Cost Match – For these purposes, the contributions to be considered at this point in time are the \$62,000 of committed funds. As described earlier, the additional funding being sought would have a significant effect on the ratio.

d. Funding beyond period – None is requested.

**TABLE 1. HOUSATONIC RIVER NRD FUNDING ALLOCATION BY FISCAL YEARS <sup>1</sup>**

<b>PROJECT TITLE:</b>		<b>O'Sullivan's Island Peninsula Riverbank Restoration and Enhancement</b>			
<b>SPONSOR NAME:</b>		<b>Valley Council of Governments</b>			
<b>EXPENSE CATEGORY</b> <small>(See App. A)</small>	<b>FISCAL YEAR 1</b>	<b>FISCAL YEAR 2</b>	<b>FISCAL YEAR 3</b>	<b>FISCAL YEAR 4</b>	
	Housatonic River NRD Funds	Housatonic River NRD Funds	Housatonic River NRD Funds	Housatonic River NRD Funds	
A. SALARIES	5,340.00	2,660.00	800.00		
B. OVERHEAD AND BENEFITS	8,010.00	3,990.00	1,600.00		
C. CONTRACTED SERVICES	15,350.00	202,650.00	85,000.00		
D. SUPPLIES, MATERIALS AND EQUIPMENT					
E. TRAVEL					
F. OTHER (LIST)					
G. OTHER (LIST)					
<b>TOTAL BY FISCAL YEAR</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	
	28,700.00	209,300.00	87,000.00	0.00	
<b>GRAND TOTAL (sum of boxes 1+2+3+4)</b>					
[This sum is the total NRD fund request and should match Part A, Budget Summary, Box 1]					
<b>325,000.00</b>					

<sup>1</sup> The fiscal year is July 1 – June 30. If the proposed project will be completed in one year, fill in only the column titled "Fiscal Year 1."

**TABLE 2. PROJECT BUDGET SUMMARY BY TASK AND FUNDING SOURCE**

TASK <sup>2</sup>	PROJECT TITLE: O'Sullivan's Island Peninsula Riverbank Restoration and Enhancement		SPONSOR NAME: Valley Council of Governments		TOTAL COST BY TASK	
	HOUSATONIC RIVER NRD FUNDS	OTHER CONTRIBUTIONS	COMMITTED	NOT COMMITTED		
A. Preconstruction Phase	43,000.00		62,000.00			
B. Construction Phase I	45,000.00					
C. Construction Phase II	150,000.00					
D. Construction Phase III	85,000.00					
E. Final Phase	2,000.00					
F.						
G.						
<b>TOTAL BY FUNDING SOURCE</b>	<b>5</b>	<b>6</b>	<b>62,000.00</b>	<b>7</b>	<b>8</b>	<b>GRAND TOTAL 387,000.00</b>

**NOTES:** Box 5 should be the same as the Grand Total indicated in Part D Table 1. Box 6 above should match Part A, Budget Summary, Box 2. Box 7 above should match Part A, Budget Summary, Box 3. Box 8 should match Part A, Budget Summary, Box 4

<sup>2</sup> The listed tasks should correspond with information provided in the Project Implementation Plan.



**PART E**

**SUPPORTING MATERIAL**

# VALLEY COUNCIL OF GOVERNMENTS

Tel: (203) 735-8688  
Fax: (203) 735-8680  
Website: www.valleycog.org

MAIN STREET • RAILROAD STATION • DERBY, CONNECTICUT 06418

ROBERT J. KOSKELOWSKI  
Chairman

JAMES T. DELLA VOLPE  
Vice-Chairman

MARK A. LAURETTI  
Secretary/Treasurer

ANTHONY STAFFIERI  
Mayor, Derby

RICHARD T. DUNNE  
Executive Director

## RESOLUTION

### VALLEY COUNCIL OF GOVERNMENTS

WHEREAS, The Housatonic River Basin Natural Resources Restoration Project has funds available from the General Electric Consent Decree payment of \$15,000,000 in natural resources damages as a result of releases of PCBs into the River; and

WHEREAS, The Housatonic River Basin Natural Resources Restoration Project Committee is currently entertaining applications for projects that would restore and reclaim recreational and environmental assets within the river basin; and

WHEREAS, The Valley Council of Governments/Regional Brownfields Partnership staff have identified a project that would, if funded, clean up and replant the bank of the Housatonic River along the O'Sullivan's Island peninsula with native species and create an extension of the adjacent Naugatuck River Greenway to be constructed with sustainable design elements such as porous pavers and landscape swales as well as additional efforts to support the fish and bird populations of the area; and

WHEREAS, Such a project would increase recreational opportunities for residents of the region and assist in the restoration of the natural environment and the reduction of the risk to human health through the abatement of contaminated soil areas.

NOW, THEREFORE, BE IT RESOLVED that the Valley Council of Governments hereby endorses and supports the award of funds for the aforementioned effort by the Trustee Sub-Council for the CT Housatonic River Basin Natural Resources Restoration Project.

Dated at Derby, CT this 10<sup>TH</sup> day of January, 2007.



Valley Council of Governments  
Mark A. Laretti, Secretary

Attest:

  
Rick Dunne



**Mayor Anthony Staffieri**  
City of Derby, Connecticut

June 12, 2007

Mr. Rick Dunne, Executive Director  
Valley Council of Governments  
12 Main Street, RR Station  
Derby, CT 06418

Re: Housatonic Restoration Project

Dear Rick:

On behalf of the City of Derby, I am pleased to see that the proposal for the improvements at O'Sullivan's peninsula was eligible for submission of a full application. As you know, O'Sullivan's peninsula continues to be a long-term priority for Derby. With thousands of people from Derby and the surrounding towns utilizing the greenway each week, this project clearly has regional benefits.

Please accept this letter as a confirmation that the trail and peninsula area is a park which is publicly available. The improvements can be enjoyed by people throughout Connecticut. Anglers statewide, in particular, travel to fish in the Housatonic.

I'd also like to confirm our pledge of in-kind resources to the full match required by the project. This would provide resources beyond the Public Works services already in place and the other improvements we have planned.

We are making great progress in enhancing the area. It is an attractive amenity to our downtown plans and is truly a unique recreational facility for the entire State of CT. We look forward to the successful implementation of this project. Please call on us if we can support the effort in any other way.

Sincerely,

Anthony Staffieri  
Mayor



**FISHERIES ADVISORY COUNCIL** - A group of dedicated citizens from all regions of the state working together for fish and fishing in Connecticut.

March 12, 2007

Mr. Arthur Bogen, ENVIRONMENTAL PLANNER  
Valley Council of Governments  
Main Street Railroad Station  
Derby, CT 06418

RECEIVED MAR 15 2007

Dear Mr. Bogen:

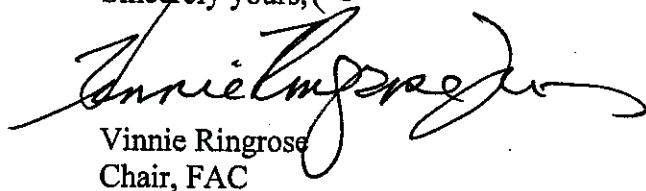
Thank you for appearing at the FAC meeting last Thursday. Your presentation was very impressive.

The emphasis on fishing in the Sullivan Island area was very appealing to us, especially when it is well known that that area is one of the best fishing spots in the river.

We encourage you to continue seeking funding for this project from the HOUSATONIC RIVER NATURAL RESOURCES RESTORATION Project and any other sources which may be helpful.

Wishing you success with your project.

Sincerely yours,



Vinnie Ringrose  
Chair, FAC

VR/lvf