

RESOLUTION NO. 2 /  
MEETING: MAY 17, 2005

RESOLUTION AUTHORIZING THE  
FILING OF AN APPLICATION FOR  
STATE ASSISTANCE PAYMENT FOR  
A PROJECT KNOWN AS "2005  
BROOKHAVEN CARMANS RIVER  
PROJECT"

WHEREAS, the State of New York has provided financial aid for municipal water quality improvement projects; and

WHEREAS, the Town of Brookhaven has examined and duly considered the applicable laws of the State of New York and the Town of Brookhaven deems it to be in the public interest and benefit to file an application for an Aquatic Habitat Improvement Grant under these laws; and

WHEREAS, the Town has received strong encouragement from the South Shore Estuary Reserve Office and the New York State Department of State to submit an application for such an Aquatic Habitat Improvement Grant for a project known as "2005 Brookhaven Carmans River Project", and

WHEREAS, it is necessary that a Contract by and between The People of the State of New York and the Town of Brookhaven be executed for such State aid;

NOW, THEREFORE, BE IT RESOLVED by the Town Board of the Town of Brookhaven

1. That the filing of an application in the form required by the State of New York in conformity with the applicable laws of the State of New York including all understanding and assurances contained in said application is hereby authorized;

2. That the Director of the Division of Environmental Protection is directed and authorized as the official representative of the Town of Brookhaven to act in connection with the application and to provide such additional information as may be required;
3. That the Supervisor and/or Deputy Supervisor is authorized to sign the resulting contract if said application is approved by the State;
4. That the Town of Brookhaven agrees that it will fund its matching 50-50 portion of the cost of said 2005 Brookhaven Carmans River Project;

and be it further

RESOLVED that this resolution shall take effect immediately.

**WATER QUALITY IMPROVEMENT PROJECTS  
APPLICATION FOR STATE ASSISTANCE PAYMENTS FOR SFY 2004/05**

**Part A - Applicant Information**

**1. Applicant Municipality:**

● City ☒ Town ● Village ● Other (specify)

of: Town Of Brookhaven

**2. Applicant Federal ID Number:**

11-600-1925

**3. Applicant Mailing Address:**

One Independence Hill  
Farmingville, NY 11738

**5. Contact Person:**

John Turner, Director of Environmental Protection

**6. Phone:** (631)451-6455 **Fax:** (6459)

**7. Contact Mailing Address (if different from applicant):**

**4. Applicant's Chief Executive Officer:**

Town Supervisor John Jay LaValle

**Part B - General Project Information**

**1. Project Name:** 2005 Brookhaven Carmans River Project

**2. Project Location(s) And Zip Codes:**

Multiple ● municipalities ● SPDES permittees ● MS4s in County(ies)

Suffolk

● City ☒ Town ● Village of Brookhaven County of: Suffolk

● City ● Town ● Village of \_\_\_\_\_ County of: Suffolk

Zip Code(s) : 11953 and 11980 (Yaphank) USGS 7.5' Quad Map (or copy) Attached ☒

Latitude and Longitude : Mill Rd. 72 deg 56' 12.89"W; 40 deg 50' 30.05"N Hydrologic Unit Code (HUC): 02030202/110  
E. Bartlett Rd. 72 deg 56' 36.53" W; 40 deg 51' 47.29"N

**3. Funding Category:**

● Peconic Estuary

● Statewide Non-Ag NPS (EPF/PPG)

☒ South Shore Estuary

● MS4

● LISRA

● Hudson River Swimmable WQ Goal

**4. Project Types:**

● Nonagricultural NPS

● Stormwater Phase II

☒ Aquatic Habitat Restoration

● Agricultural NPS

● Municipal Wastewater Treatment Improvement

**5. Existing Clean Water State Revolving Loan**

Applicant has or will apply for a short term loan? N X Y \_\_\_\_\_ Loan Fund Project Number \_\_\_\_\_

Applicant has or will apply for a long term loan? N X Y \_\_\_\_\_ Loan Fund Project Number \_\_\_\_\_



**Part C - Project Timing and Costs****1. Proposed Start Date:** January 15, 2006**2. Expected Completion Date:** January 14, 2009

NOTE: The dollar amounts you enter for questions 3-5 should be the same as those entered on Part G or G2, Funding Sources of this application form.

**3. State Funds Requested** \$650,000**4. Local Share** \$650,000**5. Total Project Costs** \$1,300,000

<sup>^</sup> State Funds Requested for Municipal Wastewater Treatment Improvement Projects May Not Exceed 85% of the Total Construction Costs

**Part D - Project Summary**

Provide a brief summary statement that describes the following:

a) Applicant Name: Town Of Brookhaven

b) What will be constructed/ implemented: A series of step-pools to allow passage for spawning river herring, and trc will be constructed at the dam that blocks fish access to Upper Lake on the Carman's River, an eelway will be constructed at the same point, leaching pools, curbing and curb inlets will be installed to minimize stormwater impacts to the Carmans River from Mill Road where it crosses the river just south of the outlet at Upper Lake. Invasive aquatic plant inventory and control will be conducted along the stretch of river in which these impairments are situated.

c) the name and value of the affected waterbody(ies)

- For a state-designated wetland, provide the designation number: B2

- For surface water, describe classified best use (e.g., high quality drinking water, shellfish waters, contact recreation, trout or trout propagation waters): Class C(TS); trout, trout spawning, trout fishing, contact recreation.

- For a groundwater resource, indicate if it is a primary water supply aquifer and/or supplying private wells:

- For aquatic habitat, provide the names of specific fish and wildlife species and how they could use the habitat (e.g., spawning, nursery, migration): Species deriving primary benefits through access to upstream spawning, feeding and nursery habitats:

- River herring – Alewife (*Alosa pseudoharengus*), and possibly blueback herring (*Alosa aestivalis*).
- Brook trout (*Salvelinus fontinalis*).

Species deriving secondary benefits through increased forage base provided by more abundant and widely distributed populations of river herring:

- Predatory birds – Osprey, Great Blue Heron, Common Egret, Snowy Egret, wintering waterfowl, colonial waterbirds
- Marine sport fishes – Striped bass (*Morone saxatilis*), Bluefish (*Pomatomus saltatrix*), Weakfish (*Cynoscion regalis*), among others.
- Freshwater sport fishes – White perch, Largemouth Bass, Smallmouth Bass, Brook Trout, Brown trout, Rain Trout.
- Mammals – Harbor seals, raccoons, mink, otter.
- Offshore marine fishes – Tunas, billfishes, cod.

d) the water quality and/or aquatic habitat impairment (e.g., fish consumption advisories, beach closures, habitat impairment from land use and hardening of shorelines): Blockage of migratory passage to upstream spawning and nursery habitats; Congestion of waterways by invasive aquatic plants.

e) the name of the priority pollutant(s) or disturbance(s) causing the impairment (e.g., sedimentation, pathogens, floatable) Indicate whether it is a major or minor pollutant causing the impairment as identified in the PWL: Sedimentation and silt – non-point nonagricultural runoff impacts occur at location however: not identified in PWL

f) the source(s) of priority pollutants or disturbances causing the impairment (e.g., stormwater runoff, onsite systems, hydrologic habitat modification) Indicate whether it is a major or minor source causing the impairment as identified in the PWL: Hydrologic modification and stormwater runoff impacts exist at the location however: not identified in PWL

**g) the expected environmental benefit (e.g., quantification of the reduction in pollutant load, such as the estimated reduction of the sediment load, in tons and as a percentage of the total load):** Opens approximately 2 miles (980 feet) of river to river herring for spawning, allows passage of native trout and American Eels to and from the Carman's drainage above dam at Upper Lake, reduces quantity of silt and sediment entering Carman's River where it intersects with Mill Road and East Bartlett Road, results in a survey of and control efforts to limit and reduce impacts from native aquatic plant species, fish passage monitoring will result in data on use of watershed by river herrings, American eel and native trout.

**h) the number of participating entities for projects covering multiple jurisdictions:**

Town Of Brookhaven (maintains roads, extensive land holdings in watershed)  
Suffolk County DPW (maintains dams and culverts, extensive land holdings in watershed)  
Suffolk County Parks (owner of Southaven Park)  
Environmental Defense (public interest representative)  
Trout Unlimited (public interest representative)  
The Nature Conservancy (public interest representative)  
U.S. Fish and Wildlife Service (advisory on fish passage design and maintenance)

## Part E - Certification

I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

(title) DIRECTOR - DIV. OF ENV. PROT. of (entity) TOWN OF BROOKHAVEN

(date) APRIL 19, 2005 (signature) John L. Turner

(print name) JOHN L. TURNER



## **Part F - Project Details**

**Describe the location of the project (street address, proximity to the affected waterbody, and identifiable landmarks), what will be constructed to improve water quality or restore aquatic habitat (include dimensions, specifications, etc.), and the approved Best Management Practices (BMPs) and/or Best Available Technologies to be used. For point source projects involving distinct components or multiple locations, name each and describe each phase or component separately. For nonpoint source and aquatic habitat restoration projects covering separate waterbodies or watersheds, fill out a separate application form for each.**

### **Description:**

**Location 1:** Between Mill Road and the outlet of Upper Lake on the Carman's River construction of a fish passage consisting of step pools and a short section of fish ladder will allow river herrings, trout and American eels to pass a 250' long by 8' high earthen dam. At this same location, immediately south of the Upper Lake dam, stormwater treatment systems will be retrofitted at Mill Road using BMPs identified in New York Guidelines for Urban Erosion and Sediment Control. This will alleviate impacts from direct runoff that currently exist. Stormwater abatement infrastructure will be designed and installed to reduce impacts to the river from non-point source non-agricultural stormwater runoff. In addition a survey to be followed by control efforts will be conducted to identify and reduce impacts from invasive aquatic plants. The survey area will include the river segment from the dam at Upper Lake to the dam at Lower Lake. Installation of the fish passage will allow the target species to access approximately two linear miles (9800') of watershed in the Carman's River. Installation of the stormwater infrastructure will mitigate impacts at one major road crossing and one minor road crossing in the watershed.

**Location 2:** On Carman's River where it passes underneath East Bartlett Road drainage infrastructure including shallow leaching basins, curbing and curb inlets in conjunction with swales will be designed and installed to address impacts to the river near its headwaters from non-point source non-agricultural stormwater runoff. This action is intended to improve water quality and improve habitat for aquatic species.

These actions are being coordinated with a Suffolk County proposal to install fish passages at downstream obstructions, and to complete surveys and control actions to limit the impacts of invasive aquatic plants. This proposal is also a coordinated part of an effort by the Town Of Brookhaven and Suffolk County to preserve Open Space within the Carman's River watershed that is intended to enhance and protect the watershed, its aquatic resources, and its scenic and recreational values for future generations.

**Part G - Project Budget and Funding Sources - Use for Nonagricultural Nonpoint Source, Aquatic Habitat**

**Project Budget :** Fill in the proposed budget sheet below. In cases where a project involves multiple components, use a copy of this budget sheet to provide a budget breakdown for each component, or for each geographic area where work will be performed.

Name of Project Component from Part F - Project Description(if applicable): **Location 1: At the outlet of Upper Lake on the Carman's River**

Expenditure Category	State Funds Requested	* Local Share	Other Funding Sources	Total
<b>1. Construction Costs</b>	\$290000	\$		\$290000
<b>2. Personal Services</b> (i.e., Municipal Personnel) a. Payroll, Fringe Benefits and Indirect Costs	<u>monitoring, reporting, procurement.</u>			
<b>Total</b>	\$25000	\$		\$25000
<b>3. Nonpersonal Services</b> a. Travel b. Equipment c. Supplies & Materials d. Contractual Services i. Engineering ii. Design iii. Other (please specify) e. Land Acquisition f. Other	a. \$3000 b. \$12,000 fish counter and splash cam d. Contractual Services di. \$100,000 dam safety study by engineering consultant. dii. \$20000 design of fish passage and drainage infrastructure. diii. \$40000 grant management by consultant f. \$10000 survey and control of invasive aquatic plants.			\$3000 \$12000 \$100000 \$20000 \$40000 \$10000
<b>Total</b>	\$185000	\$		\$185000
<b>4. Consultant /Contractual Services</b> (e.g., engineering/design, legal, fiscal)	\$	\$		\$
<b>5. Land Acquisition</b> — can only be used for local match	N/A \$	\$500000		\$500000
<b>6. Other</b> (please specify)  <u>Monitoring (AHR only)</u>	\$	\$		\$
<b>7. Total - All Categories</b>	\$500000	\$500000	\$	\$1000000

State Funds refers to assistance from Water Quality Improvement Project Bond Act, Environmental Protection Fund, PPG, and/or LISRA

\*State or federal grant dollars previously received for the project may not be used for the applicant's "Local Share", except for projects funded by LISRA. The LISRA allows applicants to use state grant dollars as match. Includes previous WQIP funding committed for this project



### Funding Sources:

Funding Source	Grant /Loan	Type (Federal, State, Local, Private)	<input type="checkbox"/> Status of Funding	\$ Amount
Rural Development				0
Housing and Urban Development				0
Clean Water SRF Long-Term Loan				0
Other Bond Act Funds (e.g. Parks and Recreation, Brownfields)				0
Other Sources - specify				
TOTAL				

☐ Use the following to indicate status: I - Intend to apply to the supplemental or alternative funding source F - Have applied to the supplemental or alternative funding source, but have not received a commitment A - Have received a commitment from the supplemental or alternative funding source.

### Part H – Documentation of Water Quality or Aquatic Habitat Impairment ADD PWL SEGS

Cite documentation of a water quality impairment such as NYS DEC Priority Waterbodies List (PWL), County Health Department violations, a report or study indicating a violation of water quality standards, assessments in wildlife management plans, wildlife and/or habitat restoration plans, etc. where applicable.

1. South Shore Estuary Reserve Comprehensive Management Plan; this proposal addresses implementation Actions 4-3 (Restoration of Anadromous Fish) and 4-4 (Habitat Restoration in Tributaries) under Outcome 4.
2. Atlantic States Marine Fisheries Commission Fishery Management Plan for Shad and River Herring – This proposal addresses threats to anadromous herring species identified under Section 4.3 Habitat Conservation and Restoration.
3. NYS DEC Priority Waterbodies List cites the Lower Carmans (below the proposed project areas) as Stressed with Recreational Uses impacted and Pathogens as the known Pollutant and Urban Runoff as a source.
4. Site inspections: non-point source nonagricultural runoff are actively impacting the project sites on the Carman's River at Mill Road and at East Bartlett Road.
5. Identification of target sites by US Fish and Wildlife Service as barriers to fish migration and movement.
6. Identification by The Nature Conservancy as an area of concern for aquatic invasive plant species.

If the waterbody is listed on the NYS DEC Priority Waterbodies List (PWL), write the identification number below and include the one page Waterbody Data Sheet from the PWL. (The PWL is available at all County Soil and Water Conservation District and DEC Regional offices).

PWL Segment #: 1701-0102

## **Part I - Coordinated Approach**

1. **Indicate the priority in a Funding Source, Management Plan or Program that the project will address (Refer to the 2005 Information for Applicants.)**
  - A. The project addresses two of the highest priority in the South Shore Estuary Reserve Comprehensive Management Plan aquatic habitat restoration and non-point source abatement; this proposal addresses implementation Actions 4-3 (Restoration of Anadromous Fish) and 4-4 (Habitat Restoration in Tributaries) under Outcome 4.
  - B. Atlantic States Marine Fisheries Commission Fishery Management Plan for Shad and River Herring – This proposal addresses threats to anadromous herring species identified under Section 4.3 Habitat Conservation and Restoration.
  - C. EPA Clean Water Act Phase II Implementation: This proposal will comply with the Town of Brookhaven's Stormwater Management Plan developed to comply with Phase II of the EPA Clean Water Act regulations.
  - D. Designated Significant Coastal Fish and Wildlife Habitat by the NYSDEC and the NYSDOS, the Significance Value =97.
2. **Explain how the project contributes to a comprehensive and coordinated approach to solving water quality impairments and/or restoring aquatic habitat. Include a brief description of how the project is consistent with water quality policies or recommendations in other plans (i.e., County Water Quality Strategy; an approved Watershed Management Plan; Local Waterfront Revitalization Program; NYS Coastal Nonpoint Pollution Control Program; DEC approved species or habitat management plan or project; and/or New York State's Open Space Conservation Plan).**

The Town of Brookhaven, Suffolk County, and the Carman's River Partnership (including the County, Town, state and federal agencies, and NGOs) have been working to protect, preserve and restore the Carman's River watershed for many years. This has included extensive land acquisition that buffer the river from the impacts of development. The fish ladder project being implemented at the south end of Hard's Lake will allow diadromous fish to access the Carmans River watershed, the fish passage projects proposed

- South Shore Estuary Reserve Comprehensive Management Plan; this proposal addresses implementation Actions 4-3 (Restoration of Anadromous Fish) and 4-4 (Habitat Restoration in Tributaries) under Outcome 4.
- Atlantic States Marine Fisheries Commission Fishery Management Plan for Shad and River Herring – This proposal addresses threats to anadromous herring species identified under Section 4.3 Habitat Conservation and Restoration.
- Identification of target sites by US Fish and Wildlife Service as barriers to fish migration and movement.
- Identified within Town Of Brookhaven and Suffolk County Open Space Plans as an important and vulnerable watershed with aesthetic and recreational values.
- Identified by The Nature Conservancy as an area of concern for aquatic invasive plant species including *Cabamba* sp.



## Part J - Project Readiness

### 1. State Environmental Quality Review (SEQR) - For each question below, check the appropriate response

- What is the SEQR classification for the project?    ☐ Type I    ☒ Unlisted    ☐ Type II
- Has the environmental review/SEQR process been commenced?    ☐ Y    ☒ N    ☐ N/A  
(e.g. has an Environmental Assessment Form been completed?)

If YES, provide the date of SEQR commencement

- Has a lead agency been designated?    ☐ Y    ☒ N    ☐ N/A

If YES, provide the name of the lead agency: \_\_\_\_\_

Date the agency was designated: \_\_\_\_\_

- Has a determination of significance been made by the lead agency?    ☐ Y    ☒ N    ☐ N/A  
If YES, circle the appropriate response to the following:

Negative Declaration?    ☐ Y    ☐ N

Positive Declaration?    ☐ Y    ☐ N

Has the *draft* Environmental Impact Statement been accepted?    ☐ Y    ☐ N

Has the *final* Environmental Impact Statement been accepted?    ☐ Y    ☐ N

### 2. List the approvals and permits required for the project-- List the type of approval/permit; the responsible agency; the date the permit application was submitted; whether or not the permits/approvals have been issued; and the date issued.

☒ State Permits or Approvals (e.g., SPDES, freshwater or tidal wetlands, stream disturbance, solid waste

NYSDEC Freshwater wetlands

NYSDEC Dam safety permit

☒ Federal or Local Permits or Approvals

Town Of Brookhaven wetlands permit

### 3. Provide information about land ownership including the status of easements or permission to use or restore the site.

The project sites are owned by the Town Of Brookhaven. Within the watershed the Town of Brookhaven and Suffolk County have made extensive land acquisitions to protect the aesthetic, recreational, and wildlife values. The acquisitions have been made as a part of a concerted effort to protect Carman's River; some acquisitions have been done as partnerships between the two entities, other acquisitions have been completed by either the Town or the County.

### 4. Describe what work, if any, has been completed in support of the project. Include, as appropriate, the status of technical reports, conceptual design and construction drawings, plans and specifications, requests for bids, etc.

Sites have been visited and reviewed by Town personnel, US Fish and Wildlife Service personnel. The South Shore Estuary Reserve Comprehensive Management Plan has identified installation of fish passages as a recommendation. This proposal is based on that recommendation, and on recommendations to reduce stormwater impacts to surface water. Meetings to coordinate proposals have

been held with the NYSDEC and Suffolk County DPW. Suffolk County Soil and Water Conservation Service has made site visits to review stormwater inputs. The NYSDEC Region 1 Office has been consulted and the NYSDEC Office of Dam Safety has been consulted. Environmental Defense, The Nature Conservancy and Trout Unlimited have acted in concert with the Town and made available experts in the areas of fisheries biology and invasive aquatic plants; these NGOs have also offered assistance with post-project monitoring.

#### **Part K - for Nonpoint Source and Aquatic Habitat Restoration Projects Only**

1. **Project Personnel** - Identify the key personnel for the project, including the name, title and qualifications of the Project Manager, the parties responsible for project oversight, the parties responsible for operation and maintenance, and their experience with a similar type of project.

##### **Project Manager:**

Name: Anthony Graves

Title: Environmental Analyst, Town Of Brookhaven

##### **Qualifications:**

Education: BS Biology, MS Environmental Science

Experience: Liaison to Town Of Brookhaven Stormwater Management Committee; stormwater design review, watershed delineation and protection, Federal/State/local permitting for wetlands projects, municipal procurement methods, specific knowledge of the Carman's River Watershed including flora, fauna, impacts, management programs, open space holding, and government and private programs for management and protection of the watershed, familiarity with design, construction and maintenance of fish passages.

##### **Project Oversight:**

Name: John Turner

Title: Director of Environmental Protection/Director of Land Management, Town Of Brookhaven

##### **Qualifications:**

Education:

Experience: Open Space prioritization, acquisition and management, watershed delineation and protection, specific knowledge of the Carman's River Watershed including flora, fauna, impacts, management programs, open space holding, and government and private programs for management and protection of the watershed.

##### **Operation and Maintenance:**

Name: Name: Anthony Graves

Qualifications: see above

Name: Dennis Cole

Title: Principal Environmental Analyst, Town Of Brookhaven

Education: BS Biology and Natural Sciences

Experience - Liaison to the Town of Brookhaven Environmental Bond Act Open Space Advisory Committee, actively involved with the nomination review and designation of open spaces within the Town of Brookhaven. Managed Town of Brookhaven's Open Space Program, Managed Town of Brookhaven Geographic Information Systems, Building Division permitting system and computerization of Planning Environment and Development. Past experience with State DEC Freshwater Wetlands, Tidal Wetlands and Article 15 permitting programs. As a Fish and Wildlife Technician in the late 70's I sampled fish stock in the Carmans River, Peconic River, Lake



**Ronkonkoma and other fresh water bodies on Long Island and New York**

In addition to Town personnel the following partners will be supplying volunteers for monitoring and maintenance of fish passages:

**Environmental Defense:**

**Name:** Dr. Jacob Kritzer, Scientist

**Title:** Ph.D., Marine Biology, James Cook University, Australia

**Education:** B.A., Biology, Middlebury College, Vermont

**Experience:** A marine ecologist and fisheries biologist, Kritzer leads a new program focused on the coastal waters of New York, New Jersey and Connecticut.

**Post-doctoral fellow, University of Windsor, Ontario (2001-2004)**

**Name:** Michelle Bicek

**Title:** Program Associate in the Living Cities Program

**Education:** B.A. Hartwick College, M.S. Environmental Science SUNY, MPA Syracuse University

**Experience:** Eight years teaching environmental education and developing curriculum consultant at the Office of Continuing Education at SUNY ESF where she co-authored the Hudson River Watershed curriculum.

In addition to Town personnel the following partners will be supplying volunteers for monitoring and maintenance of fish passages:

**Environmental Defense:**

**Name:** Michelle Bicek, Jacob Kritzer, Ph.D.

**Town of Brookhaven CAC**

**Name:** Steve Brown, Gary Gentile, John Kreutz, Ron LaVita, Tom McMahon, Richard Watson

**Trout Unlimited:**

**Name:** George Costa, David Thompson, Trout Unlimited has offered a pool of volunteers for post-project maintenance and monitoring.

**The Nature Conservancy:**

**Name:** Bill Jacobs

**2. Operation and Maintenance -Briefly describe the following:**

80 How the project will be maintained (i.e., inspections, scheduled monitoring and repair)

The drainage infrastructure will be inspected by Town Highway Department personnel and sediment will be removed as it accumulates to design levels.

Maintenance and monitoring of fish passages (step pools and ladders) will be done by Town Of Brookhaven personnel in conjunction with a network of volunteer partners. Trout Unlimited has agreed to make volunteers available to inspect fish passages every 48 hours during spawning seasons, and weekly outside of spawning seasons to prevent accumulation of debris and monitor for fish activity. The Town Of Brookhaven will maintain a database detailing the times, dates, and locations inspected. In addition Town Of Brookhaven personnel will monitor target locations to document use of the fish

passages by target and non-target species for a period of five years after completion of the project. A fish counter will be installed at the Upper Lake fish passage; Spot presence/absence surveys using a splashcam and digital video camera will also be conducted not less than three times during spawning season for river herring and native brook trout. Data from spot surveys and the fish counter will be compiled in an annual report and submitted to the NYSDEC.

- ☞ How the project will be redesigned if the original project does not meet the project goals after five years.

The project can be altered to redirect flows for stormwater inputs, add additional infrastructure if necessary, or design additional drainage swales. The fish passage can have the upstream and downstream entrances altered or relocated to achieve the goals of restoring anadromous fish runs.

#### Part L - Enforcement Status

- ☞ Is the municipality under enforcement (e.g., consent order) to construct the project?  
☐ yes ☒ no
- ☞ If YES, attach a copy of the enforcement instrument.



## Carmans River, Upper, and tribs (1701-0102)

NoKnownImpct

### Waterbody Location Information

Revised: 03/23/01

Water Index No:	(MW7.4) AO-GSB-177	Drain Basin:	Atlantic-Long Island Sound
Hydro Unit Code:	02030202/110	Str Class:	C(TS)
Waterbody Type:	River	Reg/County:	1/Suffolk Co. (52)
Waterbody Size:	9.0 Miles	Quad Map:	BELLPORT (R-29-4)
Seg Description:	stream and tribs above LIRR (freshwater)		

### Water Quality Problem/Issue Information

(CAPS indicate MAJOR Use Impacts/Pollutants/Sources)

Use(s) Impacted  
NO USE IMPAIRMNT

Severity

Problem Documentation

#### Type of Pollutant(s)

Known: ---  
Suspected: /---  
Possible: ---

#### Source(s) of Pollutant(s)

Known: ---  
Suspected: ---  
Possible: ---

### Resolution/Management Information

Issue Resolvability: 8 (No Known Use Impairment)  
Verification Status: (Not Applicable for Selected RESOLVABILITY)  
Lead Agency/Office: n/a  
TMDL/303d Status: (TMDL Not Required (No Impairment))

Resolution Potential:

### Further Details

A biological (macroinvertebrate) assessment of Carmans River near Yaphank was conducted in 1998 and 1990. Sampling results indicated non-impacted water quality conditions in both years. This site was assessed as slightly impacted in 1989 and non-impacted in 1994. The difference in the 1989 assessment likely represents a change in criteria rather than a change in water quality. Sandy stream criteria were instituted in 1994, representing more realistic expectations for stream bottoms dominated by sand gravel rather than rubble. (DEC/DOW, BWAR/SBU, January 2000)

NYSDEC Rotating Intensive Basin Studies (RIBS) Intensive Network monitoring of the Carmans River in Yaphank (at Park Street) was conducted in 1999. Chemical monitoring revealed no other particular water quality issues. (DEC/DOW, BWAR/SWAS, January 2001)