



THE TORONTO AND REGION CONSERVATION AUTHORITY

**Watershed Management Advisory Board Meeting #3/04**

**Chair:** Dave Ryan  
**Vice Chair:** Nancy Stewart  
**Members:** Frank Dale  
Cliff Jenkins  
Shelley Petrie  
Michael Thompson  
Dick O'Brien - Chair, Authority

June 11, 2004  
10:30 A.M.  
SOUTH THEATRE, BLACK CREEK PIONEER VILLAGE

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**AGENDA**

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- |     |   | <u>Pages</u> |
|-----|---|--------------|
| 1.  | <b>MINUTES OF MEETING #2/04</b><br>(Enclosed herewith on Blue)  |              |
| 2.  | <b>BUSINESS ARISING FROM THE MINUTES</b>  |              |
| 3.  | <b>DISCLOSURE OF PECUNIARY INTEREST AND THE GENERAL NATURE THEREOF</b>  |              |
| 4.  | <b>DELEGATIONS</b>  |              |
| 4.1 | Dr. Doug Dodge of 12 Burningham Crescent, Ajax, speaking in regards to Item 7.1 - Lake Ontario Waterfront.  |              |
| 5.  | <b>PRESENTATIONS</b>  |              |
| 5.1 | A presentation by Jim Butticci, Manager, Government Relations, Corporate Relations, Ontario Realty Corporation, in regards to Dam Repairs.            |              |
| 5.2 | A presentation by Chandra Sharma, Specialist, Etobicoke-Mimico Watershed, TRCA, in regards to Item 7.2 - Malton Community Action Area Implementation. |              |

- 5.3 A presentation by Patricia Lowe, Supervisor, Outreach Education and Stewardship, TRCA, in regards Item 7.3 - Community and Private Land Stewardship

## 6. CORRESPONDENCE

- 6.1 A letter dated June 1, 2004 from Dr. Doug Dodge of 12 Burningham Crescent, Ajax, in regards to Item 7.1 - Lake Ontario Waterfront. 4
- 6.2 An email dated June 2, 2004 from Ian Buchanan, Manager of Natural Heritage and Forestry Services, Transportation and Works Department, Regional Municipality of York, in regards to Item 7.1 - Lake Ontario Waterfront. 5
- 6.3 A letter dated June 3, 2004 from Erling Holm, Assistant Curator of Ichthyology, Centre for Biodiversity and Conservation Biology, Royal Ontario Museum, in regards to Item 7.1 - Lake Ontario Waterfront. 6

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NEXT MEETING OF THE WATERSHED MANAGEMENT ADVISORY COMMITTEE #4/04  
JULY 16, 2004, IN THE SOUTH THEATRE, BLACK CREEK PIONEER VILLAGE

Brian Denney,  
Chief Administrative Officer

/af

## CORRESPONDENCE 6.1

June 1, 2004

Douglas P Dodge, BSA, MSc,  
PhD, MIFM  
12 Burningham Crescent,  
Ajax, ON, L1S 6A2

Mr Dick O'Brien, Chair,  
Toronto and Region Conservation Authority,  
5 Shoreham Drive,  
Downsview, ON, M3N 1S4

Dear Mr O'Brien:

RE: Lake Ontario Waterfront: Tommy Thompson Park; Recommendation that the Cell One Pike Spawning Area be dedicated to the Memory of Dr E. J. Crossman.

I support this recommendation, including the placement of a marker stone at part of the dedication.

I have known and worked with Ed Crossman since 1960. In various capacities, Ed made significant differences in the way we managed aquatic resources, not just fish, but the complete aquatic ecosystem. Although Ed was a 'pike-person', he had a bigger influence that was more than his work on pikes and muskies.

Back in the 1960s and 70s, when advocates for management based on artificial propagation were holding sway, Ed was a major proponent for the concept that natural resources management must first protect and restore aquatic habitat and its functions, using artificial culture only as a means of starting ecological restoration. He preached this thesis to his students and his colleagues, to provincial and federal scientists, and in the Canada-United States forum of the Great Lakes Fishery Commission.

Ed was a good teacher, with the ability and patience to explain fish taxonomy [a subject that many of us still associate with the smell of formalin and wrinkled fingers at the end of each lab session] to all his students. For Ed, taxonomy was an essential tool for managing natural resources; you must be able to identify the animal or plant you want to save and conserve. In 1973, he and his co-author, Dr Bev Scott, wrote the book, *Freshwater Fishes of Canada*, a 966-page tome that every fish biologist in Canada still uses today.

The TRCA last had the pleasure of Ed's company when he attended a 2003 workshop that supported the development of the Toronto Waterfront Aquatic Habitat Restoration Strategy; he went about in his own way making suggestions about the design of aquatic habitat for the Waterfront.

It seems very appropriate to me that a conservation-centred organization like the TRCA should honour Dr Crossman with this dedication and marker stone.

Sincerely,

Douglas P Dodge

## CORRESPONDENCE 6.2



"Buchanan, Ian" <Ian.Buchanan@region.york.on.ca> on  
06/02/2004 04:28:38 PM

To: Dick O'Brien/MTRCA@MTRCA  
cc: Kathy Stranks/MTRCA@MTRCA, Andrea Fennell/MTRCA@MTRCA  
Subject: Dr. E. J. Crossman dedication - letter of support

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Dear Chair O'Brien:

I would like to indicate my support for the proposed dedication for Dr. E. J. Crossman. I had the pleasure of working with Dr. Crossman at the Royal Ontario Museum for a number of years on fish identification projects and esocid research programs. Through my involvement with the Toronto Remedial Action Plan (RAP) and other Toronto waterfront management projects, as the Ministry of Natural Resources (MNR) Biologist and later as the York Durham MNR supervisor in the late 80's and through the 1990's, Dr. Crossman was always available to provide sound fisheries management and technical advice.

The location and type of dedication being proposed by the Toronto and Region Conservation Authority is, I feel, most appropriate. Dr. Crossman was a world renowned fisheries scientist, an educator, a champion of sound research and restoration initiatives. The pike spawning area in Cell One of Tommy Thompson Park is a reflection of past, present and future rehabilitation initiatives that continue to benefit our freshwater fish communities. This location and rehabilitation project, provides excellent demonstration value for ongoing fisheries management, and will represent educational opportunities for future generations. I believe that this dedication is an appropriate gesture by the Conservation Authority, at a location which is a good reflection of the type of project that Dr. Crossman was proud to support.

If you have any questions please feel free to contact me at your convenience. Thank you for your efforts on this initiative.

Ian Buchanan  
Manager of Natural Heritage and Forestry Services  
Transportation and Works Department  
Regional Municipality of York  
PH: (905) 895-1200 Ext. 5204  
FX: (905) 853-3674

## CORRESPONDENCE 6.3



3 June 2004

Mr. Dick O'Brien, Chair  
Toronto and Region Conservation Authority  
5 Shoreham Drive  
Downsview, Ontario  
M3N 1S4

Dear Mr. O'Brien,

**Subject: E. J. Crossman Memorial Stone**

As one of his long-time co-workers, I support Gord MacPherson's recommendation that the Toronto Region Conservation Authority recognize Dr. E. J. Crossman with a memorial stone. Its placement on the shores of a pike spawning wetland is an appropriate dedication to a man who devoted himself to research on the pike family and was passionate about educating the Ontario public about the biology and taxonomy of Canadian fishes. As freshwater Curator of Ichthyology at the Royal Ontario Museum, Dr. Crossman was active in Ontario's fisheries and angling communities and encouraged the rest of us in the Department to provide service to organizations such as the Toronto Region Conservation Authority. During his nine years of retirement, Dr. Crossman continued to act as my mentor and provided service and encouragement to the Ontario freshwater fishes program of the Centre for Biodiversity and Conservation Biology. During my 27-year association with him, I found Dr. Crossman to be a friendly and compassionate man that was always willing to listen and take the time to share his knowledge and experience. This memorial stone will be a fitting reminder to us all of his love for fish and the wetland habitats they occupy.

Thank you for considering this,

Erling Holm  
Assistant Curator of Ichthyology  
Centre for Biodiversity and Conservation Biology  
100 Queens Park  
Toronto, ON  
M5S 2C6  
416-586-5760

**TO:** Chair and Members of the Watershed Management Advisory Board  
Meeting #3/04, June 11, 2004

**FROM:** Adele Freeman, Acting Director, Watershed Management Division

**RE: LAKE ONTARIO WATERFRONT**  
Dedication of the Cell One Pike Spawning Area at Tommy Thompson Park in  
Memory of Dr. E. J. Crossman

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**KEY ISSUE**

To commemorate Dr. E. J. Crossman's contribution to fisheries science, education, and his assistance to the Toronto and Region Conservation Authority by a small marker stone at Cell One Pike Spawning Area

**RECOMMENDATION**

**THE BOARD RECOMMENDS TO THE AUTHORITY THAT the pike spawning area within the Cell One Wetland at Tommy Thompson Park (TTP) be dedicated to the memory of Dr. E. J. Crossman;**

**AND FURTHER THAT an appropriate marker stone be placed within the wetland to commemorate Dr. Crossman's contribution to fisheries science, education and his assistance with the work of the Toronto and Region Conservation Authority (TRCA), at a cost of \$700 excluding applicable taxes, shipping and delivery.**

**BACKGROUND**

Dr. E. J. (Ed) Crossman, Ph.D., was born in Niagara Falls, Ontario and received his education at Queen's University, the University of Toronto and his doctorate in 1957 at the University of British Columbia. He joined the University of Toronto in 1957 as Assistant Curator in the Department of Ichthyology and Herpetology at the ROM. Dr. Crossman worked mainly with freshwater fishes and particularly Esocidae (the family of fish that includes the northern pike and muskellunge). His studies included the relationships and evolutionary history of this group, their distribution and the biology of individual species. He was actively involved in a study of the biodiversity of the fishes of the Great Lakes, and had a special interest in the phenomenon of introduced fishes.

Dr. Crossman was the author or co-author of approximately 180 publications, both scientific and interpretive, including the major text published in 1973 and co-authored with W.B. Scott, entitled *Freshwater Fishes of Canada* (Bulletin 184, Fisheries Research Board of Canada, Ottawa 1973). This comprehensive book continues to be one of the most important and informative works on freshwater fishes in Canada. Dr. Crossman served as scientific advisor to a number of provincial, federal, angler and international organizations in Canada, the United States, England and Germany. Up until the time of his death, Dr. Crossman was the Curator Emeritus of Ichthyology at the ROM, Centre for Biodiversity and Conservation Biology and Professor Emeritus, Department of Zoology, University of Toronto.

Over the years, Dr. Crossman has help the TRCA further the goals and objectives of our fisheries related works. The TRCA and the ROM have fostered an excellent working relationship around the collection, taxonomy and archiving of important fish species within the Greater Toronto Area. Typically, each year we submit specimen of unusual or hard to identify fish for positive identification and verification by ROM ichthyology staff. This service has saved the TRCA thousands of dollars in consulting fees, improved the credibility of our collections, and has led to the identification of unique species within our watershed such as the tadpole madtom (*Noturus gyrinus*) and central stoneroller (*Campostoma anomalum*). In the fall of 2003, the ROM orchestrated the taxonomic and genetic investigations of the grass carp that was collected in the Keating Channel.

In addition, Dr. Crossman had a keen interest in the habitat enhancement work of the TRCA. Dr. Crossman provided guidance and direction on a number of pike spawning habitats including Spadina Quay, TTP and the Toronto Islands. Recently, he participated in the Toronto Waterfront Aquatic Habitat Restoration Strategy and was very supportive of our fish habitat related works.

To recognize this contribution to fisheries science and specifically his assistance and support to the TRCA, staff would like to dedicate the pike spawning area within the TTP Cell One wetland to the memory of Dr. Crossman. The dedication will consist of a dedication ceremony with family and colleagues of Dr. Crossman and the placement of a small marker stone within the pike spawning area. The stone will be etched with the following inscription:

*“This pike spawning area is dedicated to the memory of  
Dr. E. J. Crossman, Fisheries Scientist,  
a world renown expert on Esocids,  
a dedicated educator  
and a committed conservationist”.*

TTP is a unique waterfront area that is emerging as one of the most significant urban natural heritage feature within the City of Toronto. The TRCA has conducted numerous investigations into the environmental health of this area, developed and delivered a variety of habitat improvement projects, and implements wildlife management activities on the site that ensure this Important Bird Area is managed properly.

The largest and most ambitious activity to date is the design, development and implementation of the Cell One wetland. Cell One is the repository of sediments dredged from the Keating Channel and various other areas within the Toronto Harbour. The TRCA developed an innovative method of isolating these dredged sediments by creating a wetland habitat within the Cell. This site represents the largest wetland creation project on the north shore of Lake Ontario. Staff are convinced that the habitats within Cell One will be the catalyst to improve the ecological health of both TTP and the Toronto waterfront. This wetland will provide the critical habitat required for the successful colonization of many important species including Muskellunge, waterfowl and a variety of marsh dependent fish and wildlife.

To assist with the management of TTP, TRCA staff assembled a group of interested agencies and individuals to provide advice and feedback on the planned activities within the park. The dedication of the pike spawning area was brought forward to this group and concerns were raised around the following issues:

- is TTP a suitable place for a dedication;
- is it an appropriate place for a permanent memorial marker; and
- what form should these markers take place.

Staff noted these concerns and suggested that a precedent for having dedication markers was set by both the Vicki Keith point and Important Bird Area markers within TTP. The placement of the Dr. Crossman dedication stone will be significantly different in the fact that it will be placed within the wetland, will not be highly visible and it will form part of the functional habitat of the spawning area.

In addition, a member of the advisory committee suggested that this dedication should not proceed until a protocol is developed for naming and dedications within TTP. Staff presented to the TTP Advisory Committee the TRCA naming protocol adopted by the Business Excellence Advisory Board (Meeting #07/03). Staff suggested that in keeping with the intent of this protocol, the Dr. Crossman dedication would be brought forward to the Authority for approval. Also this dedication is a single effort reflective of Dr. Crossman's contribution to the TRCA and fisheries science.

Dr. E. J. Crossman was a hands on practitioner bringing the best of fisheries science to habitat restoration. The Cell One pike spawning area is most appropriate area for this dedication, as it will endure as a habitat rehabilitation showpiece at a location that compensates for some of the loss that was historically associated with the Ashbridge's Bay wetland complex.

#### **FINANCIAL DETAILS**

The cost of the marker stone is \$700.00 excluding applicable taxes, shipping and delivery; and will be financed by filming revenues generated at TTP.

**Report prepared by: Gord MacPherson, extension 5246**  
**For Information contact: Gord MacPherson, extension 5246**  
**Date: May 25, 2004**

**TO:** Chair and Members of the Watershed Management Advisory Board  
Meeting #3/04, June 11, 2004

**FROM:** Adele Freeman, Acting Director, Watershed Management Division

**RE: MALTON COMMUNITY ACTION AREA IMPLEMENTATION**

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**KEY ISSUE**

Announcement of funding and initiation of a four-year project within the Malton Community Action Area of the Mimico Creek.

**RECOMMENDATION**

**THE BOARD RECOMMENDS TO THE AUTHORITY THAT a letter be sent to the City of Mississauga, Malton Residents Association and Rotary International thanking them for their support and efforts in developing the Malton Environmental Stewardship Project and successfully obtaining a Trillium grant of \$253,700 to undertake a variety of community outreach, environmental enhancement and restoration activities in the Mimico Creek watershed over a period of four years;**

**THAT staff be authorized to take such action as is necessary to implement the Malton Environmental Stewardship Project, including the signing and execution of all necessary documentation required;**

**AND FURTHER THAT staff report back to the Authority on the progress of the Malton CAA of the Mimico Creek.**

**BACKGROUND**

The Malton CAA is located within the City of Mississauga. It is roughly bounded by Airport Road on the west, the CN Rail tracks in the north and Hwy #427 on the east (the eastern watershed boundary extends northwest from the Hwy #427 / Derry Rd. junction in an uneven line to Finch Ave.). The area encompasses residential communities, an industrial commercial business park, Wildwood Park, and Malton and Derry Greenways along Mimico Creek.

At Authority Meeting #2/02, held on February 22, 2002, Resolution #A34/02 was adopted in part as follows:

*THAT the Malton Community Action Area Stewardship Group be established to oversee the implementation of the Malton Community Action Area Plan;*

*THAT the Stewardship Group develop annual implementation priorities and work plans, congruent with "Greening Our Watersheds: Revitalization Strategies for Etobicoke and Mimico Creeks" subject to the Etobicoke and Mimico Creek Watersheds Coalition's approval;*

*THAT the Chair of the Stewardship Group be a member of the Etobicoke and Mimico Creek Watersheds Coalition and provide regular progress reports and seek approval for plan and project development;*

*THAT the Stewardship Group provide copies of all meeting minutes, as well as an annual presentation on completed and proposed projects, to the Etobicoke and Mimico Creek Watersheds Coalition;*

The resolution established a Malton CAA stewardship group and allowed for the development of work plans and updates to the Malton CAA Plan.

A meeting was hosted in February, 2003 by the City of Mississauga to bring together community organizations and recognize their past efforts in the environmental clean-up and regeneration in Malton. Representatives from 19 organizations (businesses, schools, resident associations and community groups) attended the meeting. Building on the interest and momentum of this meeting, a vision for implementing the CAA was developed over several months and presented at a subsequent meeting in September, 2003 to a larger audience of community representatives. They supported the direction of the vision and encouraged the City of Mississauga and Toronto and Region Conservation Authority (TRCA) staff to establish a committee of key partners to further refine the vision and develop funding proposals. A Trillium funding proposal was submitted in December, 2003 for a community-based restoration and stewardship program.

Seven restoration projects form the basis of the four-year implementation plan with associated stewardship programs. These include:

- Planting of approximately 4,000 trees and shrubs resulting in:
  - 1.5 ha of forest restoration
  - 1.5 ha of meadow enhancement
  - 1,000 linear metres of riparian planting
  - 0.35 ha of wetland enhancement
- Installation of habitat structures at Wildwood Park including:
  - 1 hibernaculum
  - 11 nest boxes
  - 1 turtle habitat
  - 3 mammal habitat nodes
- Installation of interpretive signs.
- Community clean-up events during each spring and fall.
- Providing increased opportunities to Malton schools to participate in the Peel Children's Water Festival.
- Developing a variety of environmental information resources for the area.
- A hands-on environmental stewardship program designed to engage local residents, business, schools, and the many ethnic and culturally diverse communities.
- Delivery of existing TRCA stewardship and education programs including Watershed on Wheels and conservation seminars.
- Soliciting business donations and participation in the community including outreach for adopting best management practices.

These projects and programs provide an opportunity to create real environmental change in Malton for participating organizations and individuals. The environment and its restoration is seen as a “common ground” issue, one in which no one group has ownership, but instead, is owned, and cared for, by all groups. The common ground approach is designed to achieve both the ecological restoration of selected sites and the bringing together of different community organizations around a common goal.

## **RATIONALE**

One objective in *Greening Our Watersheds - Revitalization Strategies for Etobicoke and Mimico Creeks* is the establishment of CAA's throughout the watersheds, with the development of a core group of supporters in each area. The group focus on the Malton community will implement the Etobicoke and Mimico Creek watersheds management strategy at the local level, providing a forum for public input.

The approach in the Malton CAA will involve the identification and contact of over 100 community organizations, and several key local partners including Rotary International and the Malton Residents Association, and an annual “summit” meeting with all of the organizations. The approach will focus on community organizations instead of individuals. The lead partners in the initiative are the City of Mississauga, the Malton Residents Association, Rotary International and TRCA.

## **DETAILS OF WORK TO BE DONE**

- Complete all project-related documentation;
- Hire and train staff;
- Initiate project implementation; and,
- Raise matching funds for future activities, as required.

## **FINANCIAL DETAILS**

A total of \$253,700 Trillium funding has been approved over a four-year period.

The funding will be used to hire a staff person to assist in coordinating and promoting community outreach and naturalization activities consistent with TRCA's business plan and the environmental initiatives of the City of Mississauga within the Malton Greenway Area. Matching funding from Region of Peel Natural Heritage Funds will contribute to the restoration activities of the project. The City of Mississauga will provide office space and staff support to this project. TRCA will provide staff supervision, technical support and budget administration. The project will receive substantial in-kind support from the members of partner groups and community.

**Report prepared by: Chandra Sharma, extension 5237 and Paul Willms, extension 5316**

**For Information contact: Patricia Lowe, extension 5365**

**Date: June 3, 2004**

**TO:** Chair and Members of the Watershed Management Advisory Board  
Meeting #3/04, June 11, 2004

**FROM:** Carolyn Woodland, Manager, Development Services Section, Acting Director,  
Watershed Management Division

**RE: COMMUNITY AND PRIVATE LAND STEWARSHIP**  
Annual Update

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#### **KEY ISSUE**

An annual update on the programs and projects related to community and private land stewardship

#### **RECOMMENDATION**

**THE BOARD RECOMMENDS TO THE AUTHORITY THAT the community and private land stewardship program update report be received.**

#### **BACKGROUND**

The community stewardship and private land stewardship programs operate under the Environmental Services Section of the Watershed Management Division of the Toronto and Region Conservation Authority (TRCA). Thirteen full time staff are directly responsible for stewardship related programs and projects, however, they engage a number of other staff, agencies and community partners in the planning and implementation of their work.

The current operating budget for community and private land stewardship programs is approximately \$1.3 million. Regional municipalities contribute to approximately half of the total and additional funds are raised through the preparation of a variety of funding proposals to corporate and private foundations and other government agencies. The current suite of stewardship programs is also supported by significant in-kind contributions from businesses, private landowners, municipalities, institutions, community organizations and youth groups with a vested interest in environmental stewardship across our jurisdiction.

#### **A. Community Stewardship**

As communities across our watershed take on the environmental challenges of restoring and protecting the natural heritage of The Living City, our stewardship strategy provides a variety of multi-stakeholder call to action products, programs and services.

Through the following community stewardship programs detailed below, youth, schools, businesses, community groups and government partners are engaged in a variety of hands-on restoration, habitat creation, maintenance and volunteer monitoring programs. Community stewardship programs include:

- **Conservation seminars**
- **The Bartley Smith Greenway Business and Community Outreach Initiative**
- **The Centreville Creek Community Outreach and Environmental Stewardship Program (New)**
- **The Claireville Community Stewardship**
- **The Frenchman's Bay Watershed Rehabilitation Project**

- **The Healthy Yards Program (New)**
- **The Highland Creek Environmental Stewardship Program**
- **The Malton Environmental Stewardship Program (New)**
- **The Markham Backyards Naturalization Program**
- **The Multi-cultural Environmental Stewardship Program**
- **The Stewardship Resource Centre**
- **The West Shore Habitat Initiative - Frenchman's Bay (New)**
- **Preston Lake Management Plan**

Bartley Smith Greenway Business and Community Outreach Program

Efforts continue in the Don watershed through the Bartley Smith Greenway Business and Community Outreach Initiative to work with local businesses, community groups, schools and municipal partners to further enhance this significant valleyland for wildlife and the local community. Programs like the Earth Day art contest for children; an interactive web page, complete with childrens environmental activities; a corporate planting challenge for 100's of staff from local businesses; the opening of Rupert's Pond and the publication and distribution of the 4 Pathways newsletters and the Bartley Smith Greenway Bird Checklist, have helped to make this project successful in the City of Vaughan. To date more than 6,000 native trees and shrubs have been planted by community volunteers furthering restoration, trail enhancement and schoolyard naturalization initiatives, and more than 200 community members have participated in local garbage cleanups, workshops on wildlife and backyard naturalization.

The Centreville Creek Community Outreach and Environmental Stewardship Program

New in 2004, TRCA, in partnership with Trout Unlimited - Humber River Chapter, will deliver the Centreville Creek Community Outreach and Environmental Stewardship Program. This three-year program is designed to increase awareness and educate the community about environmental issues impacting the Centreville Creek subwatershed, while protecting, restoring and enhancing the ecological health of the area through naturalization projects and stewardship activities. This program will lead hands-on initiatives that will empower and involve the community and, ultimately, instill a long-term commitment to the regeneration and protection of natural areas within the watershed.

Conservation Seminars

Since this program began in 2002, Environmental Services staff have delivered over 60 conservation seminars at a variety of community action sites, conservation areas, public land holdings and community facilities to provide watershed residents and their families with knowledge about wildlife, environmental issues and stewardship actions to change the way we all live within the landscape. These free events foster nature appreciation and interaction, while also informing the public of important TRCA initiatives. In addition to these scheduled seminars, additional outreach programs are designed to meet the needs of TRCA's watershed advisory committees, The Conservation Foundation of Greater Toronto and other stakeholders as required. In 2004, we estimate more than 1,500 participants will join us for 9 scheduled conservation seminars.

#### The Claireville Community Stewardship Program

New for 2004, the Claireville Community Stewardship Program will build upon the existing partnerships and stakeholder interests through the development of a comprehensive proposal to further support outreach and stewardship activities in support of the Claireville Management Plan and A Call to Action, report of the Humber Watershed Alliance. The HSBC Bank Canada's Employee and Family Planting and Education Day was hosted at the Claireville Conservation Area by Environmental Services staff to cultivate a long term partnership with HSBC Bank Canada. Over 200 HSBC staff, clients and community volunteers planted an area of 2.5 hectares with 835 native trees and shrubs. Environmental Services staff completed the planting with 1,200 seedlings. This event was in support of The Conservation Foundation of Greater Toronto's The Living City Reforestation Program.

#### The Frenchman's Bay Watershed Rehabilitation Project

This project, located in the City of Pickering, is now into its sixth year of delivering innovative habitat restoration projects for public and private lands, and continues to strengthen its role in the community as an environmental leader. Through the Volunteer Environmental Watch Program, volunteers also collect data on local wildlife and water quality to support future rehabilitation efforts for this important coastal wetland complex and its surrounding watershed. Today this project is a leader in improvements to environmental health in the watershed, engaging, on an annual basis, over 1,000 volunteers including elementary school groups, high school students, scout and guide groups, and local community members. To date, with the community's assistance, the project has successfully enhanced 7 hectares of forest, 4 hectares of meadow and 5 hectares of aquatic habitat within the Frenchman's Bay watershed.

#### The Healthy Yards Program

New in 2003, a series of Healthy Yards fact sheets have been designed to help homeowners create and maintain environmentally-responsible residential lawns and gardens. TRCA's Healthy Yards web tool ([www.trca.on.ca/yards](http://www.trca.on.ca/yards)) will be launched June 2004 and house electronic copies of our Healthy Yards fact sheets and the Healthy Yards Connection. This interactive resource provides an inventory of healthy yards related products and services available in each neighbourhood within our jurisdiction. It also informs people of the bylaws and restrictions regarding pesticide use, lawn watering, yard waste and encroachment within their municipality. A bookmark has been completed to help promote the Healthy Yards Connection to interested groups and individuals. In 2004 this program will engage more than 500 gardeners in changing their gardening practices to support our objectives for sustainable communities.

#### The Highland Creek Environmental Stewardship Program

In 2003, the Highland Creek Environmental Stewardship Program was initiated to build capacity within this small urban watershed and engage a multi-cultural community in a variety of hands-on restoration activities. The program exceeded its expectations for the first year, and continues to implement a variety of environmental enhancement projects at four community action sites. The program supports a number of special interests including Centennial College, the City of Toronto Wet Weather Flow Management Master Plan, Canadian Rivers Day and the Great Canadian Shoreline Clean Up. To date, community partners and volunteers have planted over 3,000 trees and shrubs, installed 43 bird boxes and collected over 13,500 kg of garbage. Collectively, this work contributed to more than 2,300 volunteer hours - exceeding the program's target by more than double.

#### The Malton Environmental Stewardship Program

New in 2004, TRCA, in partnership with the City of Mississauga, Malton Residents Association and the Mississauga Airport Rotary Club, have entered into a four year project to initiate a hands-on environmental stewardship and outreach education program in the Malton area of Mississauga. This project will achieve the objectives of enhancing the ecological health of Mimico Creek, while increasing community and business involvement, use and enjoyment of the greenspaces and natural areas in Malton. This project supports Greening our Watersheds prepared by the Etobicoke and Mimico Creeks Watershed Task Force. Some of the intended activities of the program include naturalization and clean-up projects as well as outreach education and hands-on environmental experiences for Malton residents of all ages.

#### The Markham Backyard Naturalization Program

The Markham Backyard Naturalization Program was developed as a pilot project to give residents of the Town of Markham an opportunity to engage in a variety of healthy yard practices. Through educational workshops and the purchase of an implementation kit, complete with native trees and shrubs, fact sheets, habitat planting plans and bird boxes, more than 600 residents participated in the program, furthering the objectives of the Rouge Park to address environmental impacts in the urban landscape. With the support of the Rouge Park and the Town of Markham, this program will continue in 2004. Sixty residents participated in the hands-on component of the program by requesting the plant kit which included trees, shrubs, wildflower plants and bird boxes.

#### The Multi-cultural Environmental Stewardship Program

As we strive to serve a diverse cultural community across our watersheds, the Multi-Cultural Environmental Stewardship Program supports the existing framework of community stewardship programs through relevant education and call to action activities. This sensitivity to language and cultural values provides opportunities to transfer skills and build capacity for environmental stewardship. The program continues to build partnerships with a variety of organizations, businesses, schools, settlement agencies and youth groups in support of sustainable communities in our watershed. At the recent Wincott Wetland Environmental Festival, more than 400 local residents from this diverse community participated in pond studies, bird box building and educational activities to support the City of Toronto's Wet Weather Flow Management Master Plan.

#### The Stewardship Resource Centre

Building on the success of the Landowner Resource Centre in Manotick, the TRCA's Stewardship Resource Centre (SRC), located at the Boyd Field Centre, currently offers watershed stakeholders a library of more than 750 publications, videos, fact sheets, cds and reference material on a variety of land management issues and call to action environmental initiatives. The SRC also offers a state of the art interactive computer database for research and mailing services for printed information. In 2004, our goal is to incorporate the SRC on the TRCA's website for watershed stakeholders with internet access, providing our clients with access to information on stewardship-related topics in downloadable form, cutting down on printing costs and paper resources.

### The West Shore Habitat Initiative

New in 2003. Approximately 27 hectares in size, Rotary Frenchman's Bay West Park (RFBWP) in Pickering, is one of the largest significant upland habitats remaining in the Frenchman's Bay watershed. The West Shore Habitat Initiative seeks to enhance ecological health by engaging volunteers through naturalization efforts which include forest management, meadow creation and terrestrial wetland enhancement. These efforts complement a master plan which includes trails, boardwalks, improved access, playgrounds, washrooms and habitat creation. One of the key restoration components of this project includes the creation of an ephemeral wetland to provide natural habitat for migratory and resident songbirds and marsh dependent species including reptiles and amphibians. To date, 464 volunteers have planted 4,700 trees and shrubs, spread wildflower seeds and installed 40 bird boxes.

### The Preston Lake Management Plan

The TRCA, in partnership with the Pride in Preston Lake community, is currently completing a prescriptive lake management plan to inventory existing environmental conditions and chart a call to action for the private and public lands associated with the 195 homes that surround this kettle lake on the Oak Ridges Moraine. The plan provides the recommended actions to ensure the continued health and sustainability of Preston Lake which considers the local natural features, ensures long-term natural resource health and identifies urban and rural environmental impacts, while facilitating the continued interaction of the lake residents. Deliverables to date include the installation of habitat features such as wood duck boxes, an osprey platform and the expansion of fish habitat through the construction of log cribs. Two well attended conservation seminars were hosted, and an Earth Day event resulted in hundreds of native trees and shrubs being planted to restore the shoreline.

## **B. Private Land Stewardship**

The Private Land Stewardship Programs are designed to provide a variety of technical, educational and financial assistance to landowners who want to improve their properties ecological function through regeneration, restoration, protection or the adoption of new land management practices. These programs include:

- **The Rural Clean Water Program**
- **The Private Land Tree Planting Program**
- **Rouge Park Stewardship Program - Little Rouge River Landowner Contact Program (2004)**

### The Rural Clean Water Program

Since 1995 this program has serviced over 200 rural landowners in the headwaters of the Rouge, Duffins and Humber River, and the Etobicoke, Mimico and Carruthers Creeks, contributing to our corporate objectives for water quality improvements. To date more than 50 best management projects have been implemented including livestock access restriction from natural water sources, improvements to manure management, replacement of faulty septic systems, modifications to barnyard runoff systems, creation of habitat features and protection of woodlot and wetland resources. Staff have applied the Agricultural Non Point Source (AgNPS) technology to measure the impacts of surface water flows, nutrient and sediment inputs in two key subwatersheds. This computer model will assist the Rural Clean Water Program staff in targeting priority areas for the implementation of Best Management Practices in support of the Nutrient Management Act legislation. Accomplishments include hosting 15 Best Management Practices public workshops, attendance at over 30 rural events to promote

the program and distribution of over 50 "Conservation Partner" mailbox signs.

The Private Land Tree Planting Program

Offers technical and financial assistance to landowners (properties of more than 0.8 hectares (2 acres), to evaluate their reforestation objectives. These planting efforts target the enhancement of riparian buffers, marginal agricultural land reforestation, windbreaks and habitat creation in the rural headwater areas of our watershed. Staff perform site assessments, provide recommendations for plant materials, site preparation and provide a planting plan. Native plant material is serviced through the Conservation Services' Nursery and reforestation seedlings can be sourced from private nurseries. Planting services are also offered to landowners on a cost recovery basis through this program. This year, 46 private landowners across the TRCA jurisdiction participated in the 2004 Spring Private Land Tree and Shrub Planting Program. In total, more than 28,500 native trees, shrubs and reforestation seedlings were planted in a variety of projects, ranging from riparian buffers and wetland enhancement projects, to marginal farmland reforestation.

Rouge Park Stewardship Program - Little Rouge River Landowner Contact Program

This program is new for 2004 and has been designed to support the intent of the Rouge Park North Management Plan to target privately owned lands located along or surrounding river and tributary corridors in the Little Rouge Creek subwatershed. Approximately 200 landowners will be contacted and provided with technical and financial support for the implementation of riparian enhancements, habitat creation, agricultural best management practices and environmental workshops.

**Report prepared by: Joanne Jeffery, extension 5638, Patricia Lowe, extension 5365**

**For Information contact: Patricia Lowe, extension 5365**

**Date: May 20, 2004**

**TO:** Chair and Members of the Watershed Management Advisory Board  
Meeting #3/04, June 11, 2004

**FROM:** Adele Freeman, Acting Director, Watershed Management Division

**RE: CITY OF TORONTO WET WEATHER FLOW MANAGEMENT MASTER PLAN  
(WWFMMP) BEACHES PROTECTIOJN PIER  
Mouth of the Humber River and Etobicoke Creek**

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**KEY ISSUE**

Proposed beaches protection piers in the City of Toronto Wet Weather Flow Management Master Plan at the mouth of the Humber River and the Etobicoke Creek to improve water quality along the Lake Ontario shoreline.

**RECOMMENDATION**

**THE BOARD RECOMMENDS TO THE AUTHORITY THAT the staff report on the proposed beaches protection piers in the Wet Weather Flow Management Master Plan at the mouth of the Humber River and the Etobicoke Creek, be received;**

**AND FURTHER THAT a copy of this report be sent to the City of Toronto and the Toronto Waterfront Revitalization Corporation (TWRC).**

**BACKGROUND**

At Authority Meeting #2/04 , held on February 27, 2004, correspondence was received from Madeleine McDowell, Chair of the Humber Heritage Committee, expressing concern about the City of Toronto proceeding with the construction of a beaches protection pier at the mouth of the Humber River and the Etobicoke Creek to improve water quality along the Western Beaches. Members of the Authority requested a further staff report on the proposed process and that Toronto and Region Conservation Authority (TRCA) staff consult with the City of Toronto staff in the development of this.

The Wet Weather Flow Management Master Plan was initiated by the former Municipality of Metropolitan Toronto in 1997. Its goal was "to reduce, and ultimately, eliminate the adverse effects of wet weather flow on the built and natural environment in a timely and sustainable manner, and to achieve a measurable improvement in ecosystem health of the watersheds." Following the Class Environmental Assessment process, the plan was developed in four stages. Stage I, completed in 1998, involved collecting data on current environmental conditions and developing goals and objectives to guide the process. Stage II focused on developing a Wet Weather Flow Management Strategy for the city and was completed in August, 2003. Stage III and IV of the planning process focused on implementation of the master plan and monitoring the plan's effectiveness.

Development of the Wet Weather Flow Management Strategy included documentation of existing conditions, establishing targets, assessing potential wet weather flow control options, evaluation of flow management strategies and preparing a wet weather flow implementation plan. As part of this process, technical studies were prepared for each of the city's six watershed study areas, including Mimico Creek, Etobicoke Creek, Humber River, Don River, Highland Creek, Rouge River, the combined sewer system study area and the waterfront. A wet weather flow management policy was also developed from the technical study results and recommendations.

TRCA staff were involved throughout the preparation of the WWFMMP. Staff provided background information, participated in the steering committee and assisting at times in public consultation with the watershed advisory committees.

At Authority Meeting #2/04 a presentation was made by Mike Price, General Manager, Water and Wastewater Service, City of Toronto in regards to the City of Toronto's Wet Weather Flow Management Master Plan. Resolution #A47/04 was adopted which states:

*WHEREAS the City of Toronto's Wet Weather Flow Management Master Plan provides detailed recommendations for addressing stormwater, combined sewer overflow, and infiltration/inflow problems, which have been identified by the Toronto and Region Remedial Action Plan (Clean Waters Clear Choices, 1994) and local watershed management strategies (Forty Steps to a New Don -1994, Legacy - A Strategy for a Healthy Humber -1997; and Greening Our Watersheds - Revitalization Strategies for Etobicoke and Mimico Creeks, 2002) as representing the most significant sources of impairment to Toronto's watersheds and waterfront;*

*WHEREAS the City's WWFMMP study followed an innovative, comprehensive approach;*

*THEREFORE LET IT BE RESOLVED THAT the Chair of the Authority send a letter of congratulations to the City of Toronto on the completion of the Wet Weather Flow Management Master Plan and express TRCA's intent to assist the City of Toronto with the plan's implementation;*

*THAT the TRCA promote a consistent approach to wet weather flow management among all municipalities throughout the Toronto watersheds through inter-regional workshops and joint projects;*

*THAT TRCA staff assist in WWFMMP implementation by incorporating specific actions within work programs including: watershed planning studies, wet weather flow policy, Regional Watershed Monitoring Network, ongoing education, outreach, stewardship and regeneration programs, and stormwater management technology performance evaluations;*

*AND FURTHER THAT staff continue to meet regularly and work with City of Toronto staff on the completion of the technical and management guidelines to support the implementation of Wet Weather Flow Policy and projects.*

The proposed beaches protection pier is primarily intended to address beach closures along the western waterfront. Modelling conducted as part of the WWFMMP showed that implementation of enhanced stormwater measures, as described in the preferred strategy, would not fully achieve recreational use targets at the western beaches. These modelling results for the preferred strategy included the stormwater best management practices that have been undertaken within the watershed areas upstream of the City of Toronto, and assumed that the best management practices approach to stormwater management would continue to be implemented. In our written comments to the City of Toronto on the WWFMMP reports last August, TRCA recommended that further investigation of the beaches protection pier be delayed until the water quality benefits of stormwater management, agricultural best management practices and enhanced natural cover in the '905' area had also been evaluated. TRCA is proposing to complete this work for the Humber River watershed in 2004 and 2005 as part of its watershed planning process.

Comments received by the city during the public and agency review period were considered and incorporated into the final master plan which was presented to Toronto City Council in late September, 2003. The master plan received final endorsement from City Council during its meeting held from September 22-25, 2003. As part of this resolution, the City of Toronto agreed to delay the Class Environmental Assessment process for the Humber River and Etobicoke Creek beaches protection piers and instead, requested that the Commissioner of Works and Emergency Services report back to the Works Committee by April, 2004 on consultations with expert stakeholders and the community in these watersheds.

On Wednesday, May 19, 2004, a public meeting was hosted at Black Creek Pioneer Village, City of Toronto. Invitations were sent directly to over 215 individual addresses including residents, interest groups, yacht clubs, angling clubs, multicultural groups, elected representatives and staff from the City of Toronto and TRCA. A paid advertisement was also placed in the Etobicoke Guardian newspaper. Approximately 15 agency and staff representatives and 8 members of the general public attended the meeting. The staff of Toronto will be reporting shortly to committee and council on this issue.

TRCA staff have identified a number of factors, at this time, that should be taken into account during the Environmental Assessment process for the proposed piers:

- potential sedimentation at the mouths of the rivers and the remedial measures necessary to deal with the impacts;
- acceptable defined fill limit in the lake;
- potential benefit to water quality of increased natural habitat areas throughout the watershed;
- existing aquatic ecosystems in and adjacent to the subject site;
- adequate aquatic habitat compensation within the context of the Toronto Waterfront Aquatic Habitat Restoration Strategy;
- public use supported within and adjacent to the beaches protection pier within the context of the Toronto waterfront revitalization plan; (i.e. boating, trails, fishing and public access);
- navigation issues and solutions; and,
- cost/benefit when compared to the actual swimming opportunities that would be created by the beaches protection piers.

TRCA staff are committed to working with the City of Toronto through the environmental assessment process by providing additional information as it becomes available to assist in determining if further options are feasible to meet the objectives regarding safe swimming. Copies of this report should be provided to the City of Toronto, the TWRC and to Madeline Macdowell.

**Report prepared by: Gary Wilkins, extension 5211**  
**For Information contact: Gary Wilkins, extension 5211**  
**Date: June 03, 2004**

**TO:** Chair and Members of the Watershed Management Advisory Board  
Meeting #3/04, June 11, 2004

**FROM:** Adele Freeman, Acting Director, Watershed Management Division

**RE: HUMBER RIVER WATERSHED PLANNING STUDY**

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#### **KEY ISSUE**

Initiation of the Humber River Watershed Planning Study and release of the proposed workplan for comment by the Humber Watershed Alliance, watershed municipalities and interested stakeholders.

#### **RECOMMENDATION**

**THE BOARD RECOMMENDS TO THE AUTHORITY THAT the Humber River Watershed Planning Study be initiated and undertaken in three phases according to the proposed workplan outlined in this report;**

**THAT staff engage stakeholder input to the workplan via reports to the Humber Watershed Alliance, and meetings with municipal staff and other relevant stakeholders;**

**THAT staff notify municipalities of the watershed planning study and invite their participation in scoping meetings and involvement in other components of the study;**

**AND FURTHER THAT staff report back in fall 2004 on progress of the Humber Watershed Planning Study.**

#### **BACKGROUND**

In 1997, the Humber Watershed Task Force released the Humber River watershed strategy, *Legacy: A Strategy For A Healthy Humber*, which provided thirty objectives for a healthy watershed, and a set of actions necessary to achieve them. After three years of implementation efforts, *A Report Card on the Health of the Humber River Watershed (2000)* was released by the Humber Watershed Alliance which established indicators of watershed health, evaluated the extent to which the objectives of the watershed strategy were being achieved and established targets for improving each indicator by 2005. In 2003, the *Humber Watershed Progress Report*, was released, providing an evaluation of progress toward the 2005 targets.

Recently, several policy and planning initiatives point to the need to update and expand upon *Legacy: A Strategy For A Healthy Humber*:

- The *Oak Ridges Moraine Conservation Plan (2002)*, established the requirement for all upper tier and single-tier municipalities to prepare watershed plans for Oak Ridges Moraine rivers and streams, and outlined requirements for the content of watershed plans including a watershed-based water budget and water conservation plan;
- In response to the Walkerton Inquiry Part 2 Report, a provincial advisory committee developed a *Framework for Source Protection Planning in Ontario (2003)*, which, if adopted by the province, will guide the preparation of watershed-based water source protection plans for potable water supplies;

- The City of Toronto's *Wet Weather Flow Management Master Plan (2003)* identified a particular need for further watershed-based analysis to evaluate the potential benefits of stormwater management retrofits and regeneration work in the upstream "905" area municipalities of the Humber River watershed;

The following report describes a proposed study workplan to develop an integrated watershed plan for the Humber River that updates *Legacy: A Strategy For A Healthy Humber* with the technical information and level of analysis necessary to meet Oak Ridges Moraine Conservation Plan requirements, and address drinking water source protection issues.

A general work program outlining the process and timeline for the Humber River Watershed Planning Study was prepared and communicated to the Humber Watershed Alliance in July 2003. Consultations have been held between some municipal and Toronto and Region Conservation Authority (TRCA) staff to identify available watershed information, on-going technical work and further technical work needed. Based on the general work program and input from TRCA and municipal staff, a draft workplan has been prepared that outlines the following:

- Current watershed planning context;
- Goals and objectives of the watershed planning study;
- Administrative framework for managing the study;
- Partner involvement program;
- Watershed planning process and schedule;
- Study deliverables;
- Available watershed information for each study component; and,
- Further technical work to be undertaken for each study component.

## **RATIONALE**

The goal of this watershed planning study is to recommend effective management strategies that will guide land and water use decision-making such that the overall health of the Humber River watershed is protected and improved. Recognizing the significant watershed planning work that has already been completed for the Humber River, this watershed planning study will adhere to the following principles:

- Build upon previous watershed planning work by filling information gaps (e.g., water budget, water use and groundwater-surface water interactions) and developing improved management direction with regard to these issues;
- Provide technical, science-based decision support tools to help municipalities and other partners with land and water use planning;
- Emphasize work on developing detailed management strategies and providing more direction with regard to implementation, especially where recommendations affect private lands;
- Keep reports concise and user-focused; and,
- Don't let the study delay action. Continue to initiate innovative regeneration projects during the watershed planning study.

The study area will include the entire watershed of the Humber River, from the Oak Ridges Moraine to Lake Ontario, including the near shore environment. The regional context will be established such that linkages between the Humber River watershed and neighboring watersheds (Credit River, Nottawasaga River, Lake Simcoe, Etobicoke Creek, Mimico Creek, Don River and Rouge River) are understood, to the extent possible.

The study will involve the Humber Watershed Alliance, and be coordinated by TRCA staff and led by the Humber Watershed Specialist. A partner involvement program, including stakeholder focus group meetings, community open house events and web site postings, will provide a variety of means for all interested stakeholders to participate in the watershed planning process. Municipal staff and other stakeholders will be invited to participate in meetings and will be circulated with draft documents from each phase in the planning study for review and comment.

### **DETAILS OF WORK TO BE DONE**

The watershed planning study will follow a process that is divided into three main phases:

Phase 1 – Scoping and characterization of the watershed (February 2004 to December 2004)

Phase 2 – Analysis of alternative scenarios of resource use and management (October 2004 to October 2005)

Phase 3 – Developing the final watershed plan (June 2005 to December 2005)

Individual component studies to fill information gaps and develop or refine tools for analyzing and evaluating alternative scenarios will cover a comprehensive range of watershed management issues and will evaluate the interdependencies and interactions among natural system features and functions and human activities. Reports will address the following topics in a level of detail appropriate at the watershed scale:

Climate	Terrestrial natural heritage
Air quality	Land use
Groundwater quality and quantity	Water use
Surface water quality	Public use
Surface water quantity	Cultural heritage
Fluvial geomorphology	Human health
Aquatic habitat and species	Economy

Any additional information or studies necessary to fulfill the province's watershed-based source protection planning requirements will be incorporated into the workplan of the Humber River Watershed Planning Study as they become known.

More detail may be provided for subwatersheds on the Oak Ridges Moraine, to the extent necessary to fulfill *Oak Ridges Moraine Conservation Plan* requirements.

The final products of the watershed planning study will establish an updated and improved information base, updated management strategies and improved, science-based planning tools for making better informed decisions with regard to managing human activities and human uses of the watershed resources.

The watershed plan will recommend an effective management strategy for the Humber River watershed composed of a framework of management objectives, indicators of watershed health, targets to be achieved, recommendations for action and a user-focused implementation plan. Special attention will be given to preparing a set of model policies that would better facilitate implementation of recommendations of the plan. The watershed plan will contain a watershed-based water budget, a water conservation plan, a stewardship and regeneration plan, a land securement plan and a monitoring plan.

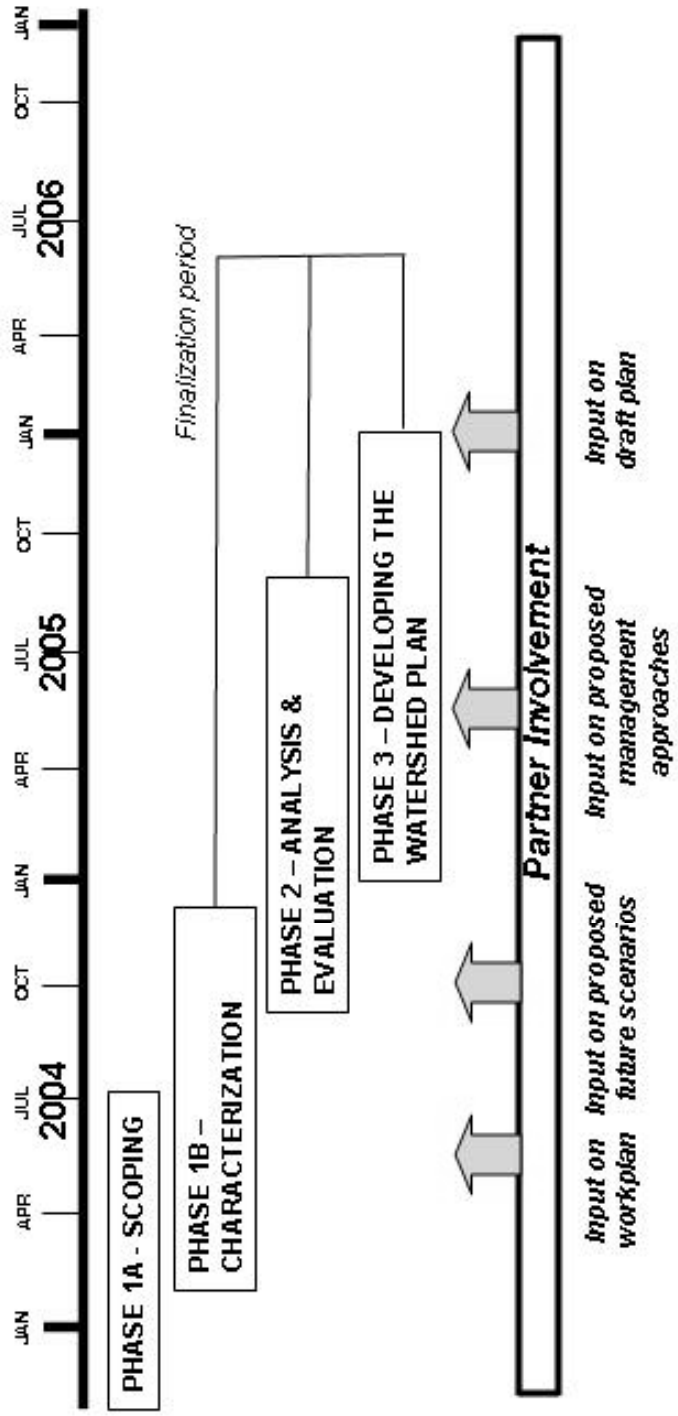
This study will contribute to advancing the science of integrated watershed planning in urbanizing environments and will recommend state-of-the-art approaches to achieving a healthy, livable, sustainable and prosperous Humber River watershed.

#### **FINANCIAL DETAILS**

The Humber River Watershed Planning Study has been granted funding approval from the capital budgets of the Regional Municipality of Peel, Regional Municipality of York and City of Toronto and is in TRCA's approved 2004 budget.

**Report prepared by: Dean Young, extension 5662**  
**For Information contact: Gary Wilkins, extension 5211**  
**Date: May 20, 2004**

# Humber Watershed Planning Study Process and Schedule



**TO:** Chair and Members of the Watershed Management Advisory Board  
Meeting #3/04, June 11, 2004

**FROM:** Adele Freeman, Acting Director, Watershed Management Division

**RE:** **2004 CITY OF TORONTO AND REGIONS OF PEEL, YORK AND DURHAM  
HABITAT REGENERATION PROJECTS**

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**KEY ISSUE**

Endorsement of the 2004 Habitat Regeneration Projects partially funded by the City of Toronto and Regions of Peel, York and Durham capital budgets.

**RECOMMENDATION**

**THE BOARD RECOMMENDS TO THE AUTHORITY THAT staff be authorized to take such action as is necessary to implement the 2004 Habitat Regeneration Projects partially funded by the City of Toronto and Regions of Peel, York and Durham, including the signing and execution of all necessary documentation required;**

**AND FURTHER THAT staff report back to the Authority on the progress of the 2004 Habitat Regeneration Projects.**

**BACKGROUND**

Over the last several years, the City of Toronto and the Regions of Peel, York, and Durham have provided capital funding to assist with the implementation of habitat rehabilitation, stewardship and infrastructure projects, and the preparation of watershed management plans as required by the Oak Ridges Moraine Conservation Plan. Toronto and Region Conservation Authority (TRCA) staff are usually successful at using the municipal contributions to lever funding from other sources. Often the municipal funding is doubled or sometimes tripled by other partner contributions.

Over the course of developing the capital project proposals, staff have met with municipal staff to discuss previous years' accomplishments and to confirm projects and associated budgets for 2004. The City of Toronto and the Regions of Peel, York and Durham have recently confirmed capital budget funding allocations for habitat regeneration projects.

The City of Toronto and the Regions of Peel, York and Durham capital projects are developed to integrate and expand joint environmental initiatives so that municipalities and TRCA will be better positioned to meet their respective goals, objectives, strategic directions and priority actions. The 2004 habitat regeneration projects have been chosen based on the recommendations found in the fisheries management plans, draft Terrestrial Natural Heritage System Strategy and other strategic documents. Over the course of the year adjustments to the list of specific projects are made based on approvals and other limiting factors.

On the following pages is a table listing the projects and associated budgets. Only the cash contributions are shown. However significant in-kind products and services are also provided by many partners depending on the projects. In some cases TRCA staff carry out projects on behalf of municipalities where the municipality pays 100% of the costs.

<b>Project Name</b>	<b>Total Cash (all partners)</b>	<b>Deliverables</b>
<b>Multi-Watershed Benefits</b>		
Red Side Dace Recovery Program	10,558	Develop a program to protect and expand the range for Red Side Dace, a provincially threatened species
Spills Background Report	7,500	Compile background report on spills within TRCA; Dialogue with others to address issues; hold public forums
West Nile Virus	40,000	Implement a monitoring and public awareness program
Bioregional Seed Crop Monitoring & Collection	52,500	Undertake field surveys to locate, inventory and document seed sources, monitor & evaluate seed crops
Propagation of Aquatic Plants	19,200	Propagation of 9,000 aquatic plants and wet meadow herbaceous plants for use in regeneration projects
Yellow Fish Road	2,600	Education program for improving stormwater quality
Watershed on Wheels	85,000	In class environmental education program for grades 1-8
Aquatic Plants Program	20,000	Education program to grow aquatic plants and learn about wetlands
Multicultural Stewardship Program	57,000	Stewardship program and outreach to cultural communities and agencies
Private Lands Stewardship	45,635	Rural Clean Water Program, Forestry Planning Program and Private Land Tree Planting Program
Healthy Yards	36,000	Final production & distribution of information to encourage best management practices at individual lot level
Reforestation for Biodiversity	41,500	Reforestation on Authority lands
Peel - Private Land Tree Planting Program	50,000	Private lands planting in Peel Region
Forest Pest Monitoring	9,000	Increase pest monitoring in forests by establishing more monitoring sites
Peel Children's Water Festival	20,000	Develop activities, restoration projects, construct permanent storage & display areas for Peel Region

York Children's Water Festival	20,000	Develop activities, restoration projects, construct permanent storage & display areas for York Region
Business Outreach Projects	25,000	Partnership between TRCA and OCETA (Ontario Centre for Environmental Technology Advancement) to encourage businesses to introduce and implement pollution reduction and retrofit their manufacturing processes.
<b>Multi-Municipal Benefits</b>		
Humber Habitat Implementation Plan	91,250	6 sites in Humber Watershed to be determined - based on Fisheries Plan and Terrestrial Natural Heritage Plan
Rouge Park Public Lands BMPs Programme	76,000	Rouge Watershed
Duffins Watershed Plan Implementation	20,000	Implement watershed plan for Duffins Watershed
Terrestrial Natural Heritage Implementation	50,000	Development of Habitat Implementation Plan and regeneration plantings in Duffins and Carruthers Watersheds
Fish Management Plan Implementation	25,000	Riparian plantings and barrier mitigation in Duffins and Carruthers Watersheds
Watershed Trails	50,000	Construction of the Trans Canada Trail on TRCA property, Glenn Major trail and watershed trails in Ajax and Pickering
<b>Brampton</b>		
<b><i>Etobicoke-Mimico Creeks</i></b>		
Brampton Stormwater Management Pond Retrofit	40,000	Complete detailed design for Upper 9 Pond in Brampton
Heart Lake Naturalization	17,500	Implementation of 03/04 Heart Lake Master Plan; plantings, design for south shoreline, osprey viewing platform.
Snelgrove Master Plan Implementation	84,817	Riparian & upland plantings; habitat features, interpretive signage, wetland enhancements
<b><i>Humber Watershed</i></b>		
Claireville Habitat Restoration & Stewardship	75,000	10 ha reforestation, 2-3 ha wetland creation, community outreach and education
Indian Line Campground Claireville Reservoir Naturalization	50,000	Shoreline naturalization, reforestation & habitat enhancement
<b>Caledon</b>		
<b><i>Humber Watershed</i></b>		
Bolton Community Action Site	15,000	Community tree and shrub planting
Caledon East Community Action Site	20,000	Habitat restoration
Centreville Creek Stewardship & Pond Mitigation	127,000	Stewardship and outreach programs, Feasibility study for pond mitigation & Environmental Assessment if necessary

Glen Haffy Pond Dredging	119,500	Sediment removal for water quality improvement
Palgrave Fishway & Riparian Planting	11,000	Riparian plantings & fishway enhancements
TRCA Peel Forest Management Projects	20,000	Forest management tending, thinning and selective cutting
Taylor Pond	20,000	pond mitigation & stream work related to taking pond off-line

**King**

***Humber Watershed***

Eaton Hall Wetland/Seneca College	39,000	Develop restoration strategy, wetland design by Ducks Unlimited, community outreach
Cold Creek Management Plan Implementation	26,000	Habitat restoration plantings, trail development, community outreach

**Markham**

***Rouge Watershed***

Milne Park Restoration Project	71,583	Final phase to complete the riparian plantings around the constructed wetlands.
Bruce's Mill Barrier Mitigation	45,000	Removal of stop logs & sediment; fish partition; wetland creation & channel naturalization
Markham Fairgrounds	600	The wetland feature associated plantings and viewing platform is completed at the Markham Fairgrounds. Stewardship staff will continue to have a role in community outreach and any future requirements for interpretive signage.

**Mississauga**

***Etobicoke-Mimico Creeks***

Malton Community Action Area	70,500	8 habitat restoration projects
Rockwood Community Action Site	2,500	Community habitat restoration projects

**Mono Township**

***Humber Watershed***

Goulding Property Restoration	5,700	Community planting events to enhance vegetation communities and wildlife corridor linkages
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**Richmond Hill**

***Don Watershed***

Richmond Hill Riparian & Naturalization Plantings	45,748	Ongoing partnership with Richmond Hill to plant riparian areas throughout presently developing communities. These sites will eventually form part of the Town's natural & open space areas.
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***Humber Watershed***

Lake Wilcox Habitat Improvement	12,462	Lake monitoring
East Humber Riparian Planting	10,000	Riparian community plantings, community outreach

***Rouge Watershed***

Richmond Hill Riparian & Naturalization Planting	50,442	Ongoing partnership with Richmond Hill to plant riparian areas throughout developing communities
<b>Toronto</b>		
<b><i>Don Watershed</i></b>		
Don Watershed Environmental Projects	42,340	Provide support to groups & stakeholders of the Don to implement restoration projects
East Don River Instream Barrier Mitigation Project	75,000	Barrier mitigation at north end of Donalda Golf Club
Don Riparian Reforestation	7,000	Riparian plantings
<b><i>Etobicoke-Mimico Creeks</i></b>		
Mimico Estate Community Action Site	37,005	Wetland & habitat enhancements
Bonar Community Action Area	10,000	Restoration plantings
South Mimico Community Action Area	45,000	Implementation of the South Mimico Community Action Plan with local community, mitigation of 2 barriers under QEW
<b><i>Highland Creek</i></b>		
Highland Creek Environmental Projects	112,374	Assist community environmental stewardship groups with regeneration projects
Highland Creek Weir Mitigation	262,980	Provide passage for fish
Highland Creek Marsh Environmental Management Plan	40,000	Develop Environmental Management Plan detailing existing conditions, provide a public consultation process, and develop documentation for Environmental Assessment approval process
<b><i>Humber Watershed</i></b>		
Claireville Trail	96,772	Design and implement trail connection under Hwy 427 at Finch Ave.
Discovery Walks	46,885	Finalize trailguide and signage
Eglinton Flats Pond Restoration	145,800	Complete pond dredging, habitat restoration, enhance community access
Black Creek Mill Ponds	50,000	Dredge pond & make modifications to control structure, habitat improvements, stormwater management
Black Creek Lambton Golf Course	6,060	Finalize feasibility study & detailed design
Humber Creek Restoration Project (Sunrow)	5,945	Tree and shrub planting, community outreach
Humber Mede Pond CAS	25,000	Complete trail plan, shoreline enhancement & monitoring
Humberwood Park Naturalization	48,013	Complete wetland construction, wetland plantings & habitat enhancement
Wincott Park Wetland	10,000	Community outreach and education

Lower Humber Carp Barrier & Weir Mitigation	22,500	Assess fish passage opportunities upstream of barriers between Bloor & Dundas St. (Ministry of Natural Resources doing Environmental Assessment & design for 1 structure), outfall barrier to exclude carp from wetlands and establish aquatic plants
Humber Community Environmental Projects	20,000	Assist community environmental stewardship groups with regeneration projects
Green Roofs for Stormwater Management	149,042	Monitoring & data collection at York University Computer Science building; Modelling on the Highland Creek
<b>Waterfront</b>		
Toronto Waterfront Naturalization Initiative	20,000	Increase, enhance & maintain natural areas in parks in partnership with volunteers, schools, businesses
Toronto Waterfront Terrestrial Natural Heritage Strategy	30,000	Develop strategy
Toronto Waterfront Aquatic Restoration Strategy	17,200	Develop strategy
Waterfront/Oak Ridges Moraine Migratory Bird Corridor	17,000	Assess the ecological value of the existing Don River migratory corridor and restore habitat
Tommy Thompson Park	115,646	Reforestation, wetland & habitat creation/enhancements
Franklin's Gardens - Toronto Islands	4,209	completion of pond construction work
Bluffers Park Wetland Creation	20,000	Public consultation, detailed design & project approval
Maple Leaf Quay	25,000	Design & approvals for the creation of wetland habitat in the SE embayment of Humber Bay Park
Climate Change Adaptation Options for Coastal management in the Great Lakes Basin	5,000	To identify coastal features & processes that will be affected by Climate Change & to determine sustainable management practices which will allow us to plan & adapt to changes
Toronto Islands Beach Restoration Projects	30,000	Reforestation, wetland & habitat creation/enhancements
<b>Vaughan</b>		
<b>Don Watershed</b>		
Bartley Smith Greenway	258,234	Habitat regeneration projects, trails
Baker's Woods Sustainable Forest Management	10,000	Implementation in accordance to the forest management plan - planting, trail & invasive species plans still required to be completed
Maple Lands (former MNR)	10,000	Complete feasibility study
<b>Humber Watershed</b>		
William Granger Greenway	270,442	Wetland creation, restoration plantings, community outreach. post project monitoring

Boyd CA Barrier Mitigation	20,000	Design for box culvert and approvals prior to implementation
Nashville Natural Area Enhancement Plan Implementation	20,000	Develop Nashville Natural Area Enhancement Plan - wetland creation, habitat enhancements
Woodbridge Expansion Area CAS	45,000	Initiate planning and develop detailed designs for project implementation. Seek approvals and community input.
<b>Witchurch-Stouffville</b>		
<b><i>Rouge Watershed</i></b>		
Preston Lake	13,027	The Preston Lake Management Plan is completed and will be printed and distributed to the project partners and residents of Preston Lake in 2004.
<b>TOTAL</b>	<b>3,974,070</b>	

**DETAILS OF WORK TO BE DONE:**

- Finalize approvals for specific projects;
- Seek additional partners and other funding sources to complement the municipal contributions;
- Implement projects;
- Host community events to recognize partners and celebrate accomplishments;
- Prepare mid-year and final progress reports for all projects and present to staff at the City of Toronto and Regions of Peel, York and Durham

**FINANCIAL DETAILS**

The 2004 budget is based on the approved contributions from the City of Toronto and the Regions of Peel, York and Durham and the total contribution from all other partners at the time of writing this report. Some of the other funding sources include the Great Lakes Sustainability Fund, Trillium Foundation, TD Canada Trust Friends of the Environment Foundation, local municipalities and the Ministry of Natural Resources. In-kind contributions are not itemized but include significant volunteer time, building materials and technical/professional services.

**Report prepared by: Karen Sun, extension 5291**  
**For Information contact: Gary Wilkins, extension 5211**  
**Date: May 21, 2004**

**TO:** Chair and Members of the Watershed Management Advisory Board  
Meeting #3/04, June 11, 2004

**FROM:** Adele Freeman, Acting Director, Watershed Management Division

**RE: ASIAN LONG-HORNED BEETLE**  
Federal Funding

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**KEY ISSUE**

Announcement of federal funding for tree replacement for the area affected by the Asian Long-horned beetle (ALHB).

**RECOMMENDATION**

**THE BOARD RECOMMENDS TO THE AUTHORITY THAT the Toronto and Region Conservation Authority (TRCA) express its appreciation to the Minister of Agriculture and Agri-Food Canada and the Canadian Food Inspection Agency (CFIA) for the funding of a tree replacement program;**

**THAT staff be directed to continue to work in partnership with staff of CFIA, City of Toronto, City of Vaughan, York Region and the Ministry of Natural Resources to coordinate the allocation of other replanting funds;**

**THAT staff be directed to work with the partners and other agencies to promote replanting to ensure there is no net loss of the urban canopy;**

**THAT staff be directed to prepare the necessary documentation and restoration plans for TRCA lands where removals were undertaken;**

**THAT staff report back on the details of the funding programs and the administration process;**

**AND FURTHER THAT staff continue to work in partnership with CFIA to continue monitoring for the ALHB.**

**BACKGROUND**

On May 12, 2004, the Minister of Agriculture and Agri-Food Canada, announced the implementation of the *Introduced Forest Pest Compensation Regulations* to compensate property owners in Ontario and Nova Scotia for replacement of trees ordered destroyed to control the spread of three invasive forest pests, including the ALHB in parts of Toronto and Vaughan. CFIA has estimated that the replanting will cost approximately \$6.5 million dollars.

Compensation is to be provided on the basis of the direct cost of replacing a tree to a set maximum amount. The maximum amounts are \$300 per tree ordered destroyed on privately-owned land, \$150 per tree on public land, and \$40 per tree in woodlots. This maximum amount will be applied to both the purchase of a tree and to reasonable costs for planting.

Only those that received a *Notice to Dispose* issued by CFIA will be eligible for the funding. Each person that wishes to apply for compensation must purchase and plant trees, before applying for compensation which will be available only with a receipt. Compensation will only be provided for the purchase and planting of tree species that are NOT susceptible to attack by ALHB.

The program will run to December 31, 2005.

**Report prepared by: Dena Lewis, extension 5225**  
**For Information contact: Dena Lewis, extension 5225**  
**Date: May 20, 2004**

**TO:** Chair and Members of the Watershed Management Advisory Board  
Meeting #3/04, June 11, 2004

**FROM:** Adele Freeman, Acting Director, Watershed Management Division

**RE: GIBRALTAR POINT EROSION CONTROL PROJECT**  
Gibraltar Point, Toronto Islands, City of Toronto

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#### **KEY ISSUE**

To implement emergency shoreline protection works to protect a public building and infrastructure, and initiation of the Class Environmental Assessment process to develop a long term solution to stabilizing the shoreline.

#### **RECOMMENDATION**

**THE BOARD RECOMMENDS TO THE AUTHORITY THAT staff be directed to proceed with the emergency shoreline protection works at Gibraltar Point, Toronto Islands as part of the "City of Toronto Valley and Shoreline Regeneration Project, 2002 - 2006", at a total cost not to exceed \$100,000;**

**AND FURTHER THAT the Toronto and Region Conservation Authority (TRCA) in conjunction with the City of Toronto commence a design study including required Class Environmental Assessment (Class EA) to develop a more permanent solution to stabilizing the shoreline.**

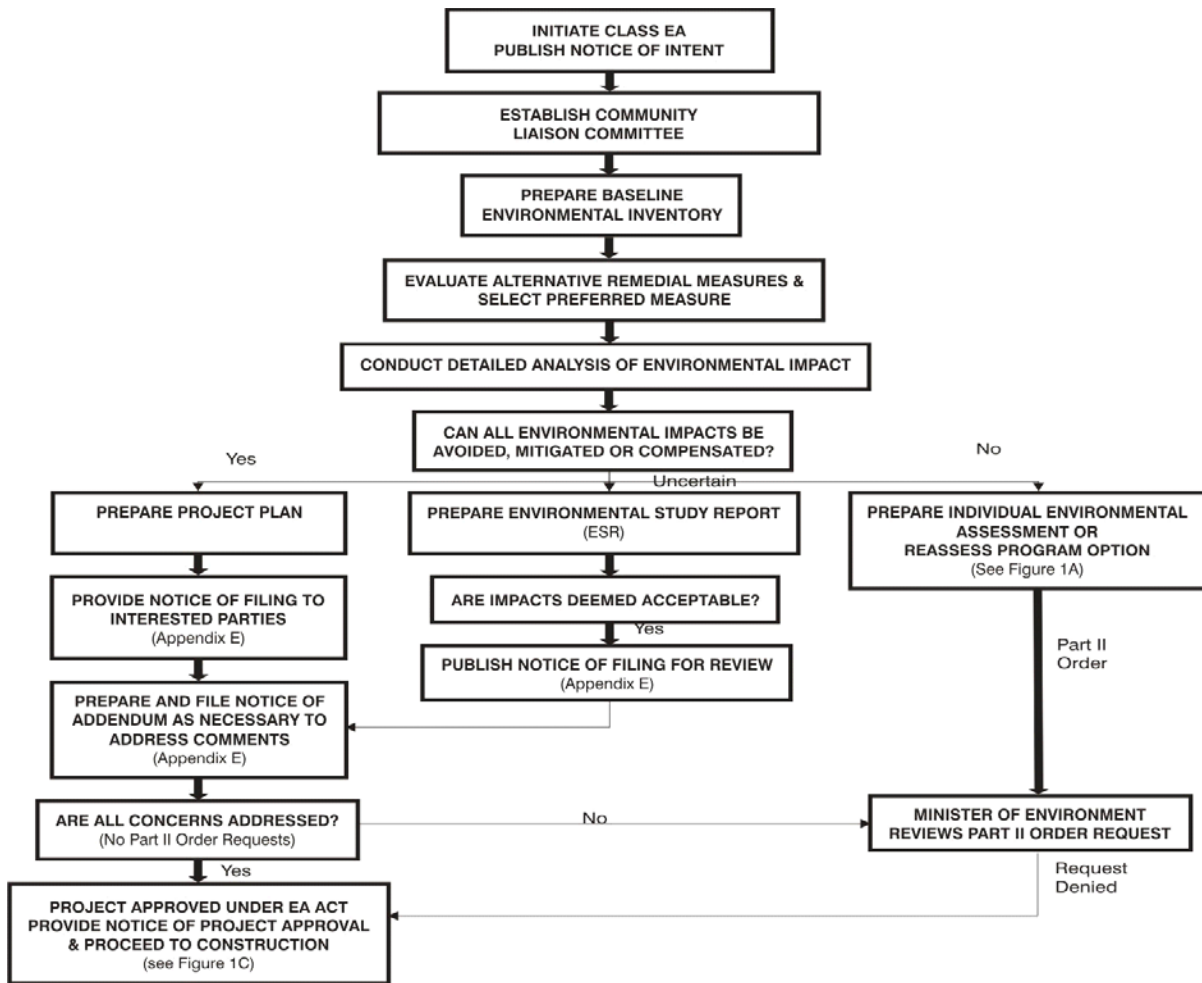
#### **BACKGROUND**

Shoreline erosion has been occurring at Gibraltar Point for many years. Various forms of shoreline protection have been attempted over the years, but have since failed. During the winter of 2004, storms continued to erode the shoreline to the point where a public washroom facility is endangered. The building is now precariously perched right at the waters edge and is at imminent risk. Due to the urgency of the situation the City of Toronto has designated the project as emergency works. In February of 2004, the City of Toronto and the TRCA placed rip rap stone on the eroding slope as a temporary measure to secure the building. It is recommended that additional protection work be undertaken at this time. In addition, a Class EA will be undertaken to develop a long term solution to the on-going erosion. Due to the anticipated timing to complete the Class EA, emergency works are required at this immediate time.

#### **DETAILS OF WORK TO BE DONE**

Emergency works will consist of the construction of an armour stone revetment in front of the washroom building. The revetment will be 50 metres long and 3 metres above the lake level. All construction materials have been stockpiled on site, and will take approximately 3 weeks to complete construction. All necessary approvals for the emergency works have been obtained. The planning and design phases for the long term solution to the on-going erosion will be carried out under the *Class Environmental Assessment for Remedial Flood and Erosion Control Projects (2002)*. The Class EA approach is considered a suitable means for the planning of remedial flood and erosion control projects because it provides a consistent, streamlined process that ensures compliance with Environmental Assessment Act (EAA) requirements.

The planning and design process of a Class EA project is illustrated below:



## FINANCIAL DETAILS

Funds are available in the Toronto Erosion Control Budget, Account No. 155-01, in the amount of \$100,000 for the emergency shoreline works, and Account No. 151-01 in the amount of \$50,000 to commence the design study.

**Report prepared by: Moranne Hagey, (416)392-9690**

**For Information contact: Jim Berry, (416)392-9721**

**Date: May 21, 2004**

**TO:** Chair and Members of the Watershed Management Advisory Board Meeting #3/04, June 11, 2004

**FROM:** Adele Freeman, Acting Director, Watershed Management Division

**RE: DON WATERSHED REGENERATION COUNCIL**  
Changes to Membership

**KEY ISSUE**

Changes to the membership of the 2004-2006 Don Watershed Regeneration Council

**RECOMMENDATION**

**THE BOARD RECOMMENDS TO THE AUTHORITY THAT the Don Watershed Regeneration Council membership changes, as set out in the staff report be approved.**

**BACKGROUND**

The membership of the Don Watershed Regeneration Council was approved at Authority Meeting #4/04, held on April 30, 2004. The individual name for some of the positions were vacant and have now been confirmed as outlined below. The Liaison member for the City of Toronto and one citizen position remain vacant at this time.

**ADDITIONS TO MEMBERSHIP**

<b>MUNICIPAL &amp; REGIONAL STAFF</b>	
<i>City of Toronto</i>	
Member - Toronto N.	Councillor Peter Li Preti
Member - Toronto N.	Councillor Jane Pitfield
Member - Toronto S.	Councillor Paula Fletcher
<i>Town of Markham</i>	
Liaison	Karen Boniface, Recreation & Culture
Liaison	Lilli Duoba, Environmental Planning
<b>CITIZEN MEMBERS</b>	
Member	Jane Darragh

City of Toronto Councillors were appointed to the Don Watershed Regeneration Council following the Toronto City Council meeting held on April 15, 2004.

The staff liaisons for the Town of Markham were confirmed by the Town Clerk on April 21, 2004.

Jane Darragh was interviewed on May 20, 2004 and appointed as a citizen member to the Council. Ms. Darragh was out of the country during the regularly scheduled interview times.

The following Don Council member has resigned:

### RESIGNATIONS

CITIZEN MEMBERS	
Member	Laurian Farrell

Laurian Farrell accepted a job at the Toronto and Region Conservation Authority (TRCA) as the Water Management Coordinator for the Etobicoke and Mimico Creek watersheds, and consequently resigned her position as a member of the Don Council.

**Report prepared by: Alex Blasko, extension 5280**

**For Information contact: Alex Blasko, extension 5280**

**Date: May 26, 2004**

**TO:** Chair and Members of the Watershed Management Advisory Board  
Meeting #3/04, June 11, 2004

**FROM:** Adele Freeman, Acting Director, Watershed Management Division

**RE: ETOBICOKE-MIMICO CREEK WATERSHEDS COALITION**  
Minutes of Meeting #1/04, January 22, 2004

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**KEY ISSUE**

The minutes of Etobicoke-Mimico Creek Watersheds Coalition Meeting #1/04, held on January 22, 2004, are provided for information.

**RECOMMENDATION**

**THE BOARD RECOMMENDS TO THE AUTHORITY THAT the Minutes of the Etobicoke-Mimico Creek Watersheds Coalition meeting #1/04, held on January 22, 2004, as appended, be received.**

**BACKGROUND**

The Terms of Reference for the Etobicoke-Mimico Watersheds Coalition, dated May 2002, and adopted by the Authority at Meeting #5/02, held on May 24, 2002 by Resolution #A124/02, includes the following provision:

Section 3.5 - Reporting Relationship

*The Etobicoke-Mimico Watersheds Coalition is considered a subcommittee of the Watershed Management Advisory Board. The Watersheds Coalition Chair will report, at least, on a semi-annual basis on projects and progress. Annual work plans will be developed and submitted prior to the end of the first quarter of each year.*

**Report prepared by: Lia Lappano, extension 5292**  
**For Information contact: Lia Lappano, extension 5292**  
**Date: January 15, 2003**

**TO:** Chair and Members of the Watershed Management Advisory Board  
Meeting #3/04, June 11, 2004

**FROM:** Adele Freeman, Acting Director, Watershed Management Division

**RE: ROUGE WATERSHED TASK FORCE**  
Minutes of Meeting #1/04

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**KEY ISSUE**

The Minutes of Rouge Watershed Task Force Meeting #1/04, held on April 7, 2004 are provided for information.

**RECOMMENDATION**

**THE BOARD RECOMMENDS TO THE AUTHORITY THAT the Minutes of the Rouge Watershed Task Force Meeting #1/04, as appended, be received.**

**BACKGROUND**

Copies of the minutes of the Rouge Watershed Task Force are forwarded to the Authority through the Watershed Management Advisory Board. These minutes constitute the formal record of the work of the Rouge Watershed Task Force and serve to keep the Authority members informed of the steps being undertaken to develop the *Rouge Watershed Plan*.

**Report prepared by: Michelle Chamberlain, extension 5330**

**For Information contact: Sonya Meek, extension 5253**

**Date: May 28, 2004**