

# Legend

## Quinte Conservation 2006 Staff

\* Contract Staff

General Manager/Secretary–Treasurer

Operations Manager

Water Resources Engineer

Community Relations Coordinator

\*Naturalist

Financial Coordinator

Administrative Assistant

Environmental Services Coordinator

Environmental Program Manager,

Source Water Protection Program Manager

Campground Manager/Field Supervisor

Forest Specialist/Field Supervisor

Field Specialist

\*Landowner Contact, Wetland Habitat Fund

Planning and Regulations Assistant

Environmental Planning Technician/Ecologist

\*Environmental Water Quality Technician

\*Water Resources Technician

Hydrogeologist

\*GIS Technician/Biologist

\*GIS Database Specialist

\*Communications and Marketing Assistant

\*Surface Water Specialist

\*Source Water Protection Administrative Assistant

\* GIS Technician

\*Assistant Water Quality Technician

\*Office Assistant/Electronic Filing Technician

Terry Murphy

Paul McCoy

Bryon Keene

Lucille Fragomeni

Terry Sprague

Tammy Smith

April Brant

Andrew Schmidt

Keith Taylor

Harry Stinson

David Smallwood

David Dies

Andrew Mack

Catherine Sinclair

Tim Trustham

Lynette Dawson

Adam Wilson

Mark Boone

Brad McNevin

Hui Wei

Jaime Scanlan

Julie Schulenburg

Nicole McAnally

Amy Dickens

Alana Nunn

Andria Dinner

## Quinte Conservation

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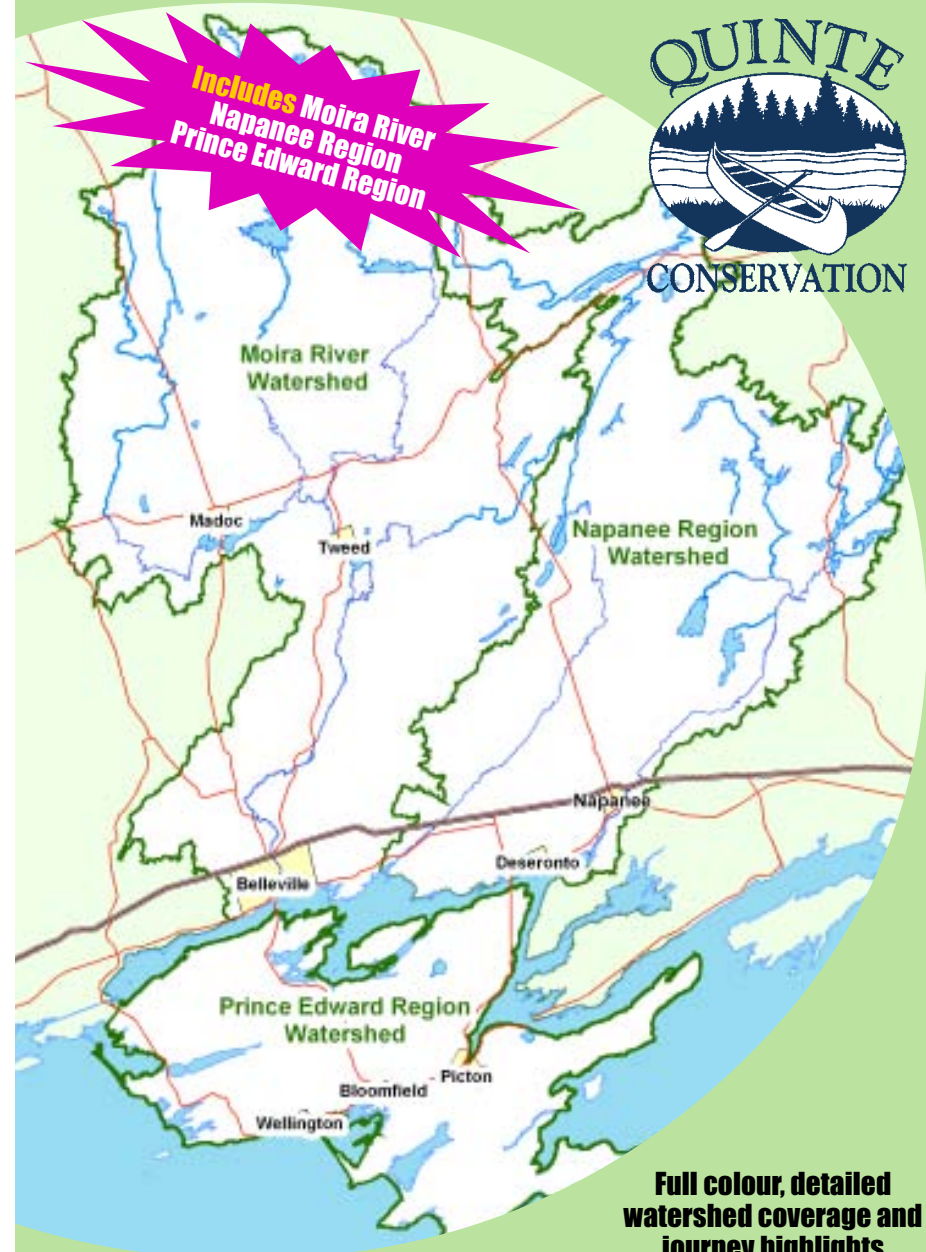
Website: [www.quinteconservation.ca](http://www.quinteconservation.ca)



Quinte Conservation is a member of Conservation Ontario



# Quinte Conservation Road Map 2006



**Full colour, detailed  
watershed coverage and  
journey highlights**

# 2006 Points of Interest

## Flood Forecasting

Quinte Conservation's (QC) Flood Warning Plan is updated annually; 11 water level related media releases were issued.

## Water Quality—Surface Water

- *Provincial Water Quality Monitoring Network:* 78 surface water samples were taken in the Moira River Watershed, 60 in the Prince Edward Region and 24 in the Napanee Region.
- *Ontario Benthos Biomonitoring Network:* uses bottom-dwelling organisms as indicators of stream health; 14 sample sites in the Moira River Watershed, nine in the Napanee Region and seven in the Prince Edward Region.



## Dam Safety Studies

All Belleville and Depot Lake dams had warning signs installed following recent dam safety studies. A survey was conducted at McLeod Dam to confirm the stability of the spillway walls and the safety of the fall arrest system. The deteriorated retaining walls at Lingham Lake Dam were replaced as a follow up to the dam safety studies. The repair of a broken valve at Deerock Lake dam will improve safety. A debris boom was installed at Second Depot Lake dam and an MCE assessment (uses today's standards to test what the dam is capable of holding) has been done at the Second and Third Depot Lake dams as recommended in the dam safety studies.

## Water Quality—Groundwater

- *Provincial Groundwater Monitoring Network:* monitored 31 observation wells for groundwater quality and quantity. Samples for groundwater quality, including general chemistry and metals, were taken on 21 wells.
- *Well Decommissioning:* Ten abandoned wells were decommissioned on Quinte Conservation properties as per Ontario Regulation 903. Wells at Portland Conservation Area and the HR Frink Centre were publicly decommissioned.
- *Well & Septic Owner Stewardship:* Three educational workshops provided practical advice to residents.
- *Groundwater Protection:* A wellhead protection study was done for municipal wells supplying the Village of Madoc. The study included drilling a test well and mapping fractures in the bedrock. An intake protection zone study was also conducted in the town of Deseronto.



## Source Water Protection

- The draft Conceptual Water budget, that explains water resources in our region and draft Watershed Characterization, a detailed description of our watersheds, were completed.
- Staff made more than 39 presentations to local municipalities and community groups on this topic.
- Environment Minister, Laurel Broten visited Quinte Conservation in April to announce \$109,000 in funding for scientific and technical research on municipal drinking water sources in the Villages of Madoc and Deseronto.

## Stormwater Management

- 12 Site plans and six subdivision Storm Water Management Plans were reviewed.
- A water level gauge was installed on the Milford Dam. A rain gauge, air and water temperature gauge were installed on the Black Creek near Milford.
- Rain gauges were installed on the Milford Dam, the Clare River and replaced on the Deloro Dam.

## Master Drainage Plan

In cooperation with the City of Belleville, Quinte West and the Great Lakes Sustainability Fund a Master Drainage Plan was undertaken for the Potter Creek Watershed. The MDP will help guide development of the basin. The report will outline sharing responsibilities and locate the size of centralized Storm Water Management facilities.

## Volunteers

- 20 Watershed Watch volunteers collected rainfall data to assist in flood forecasting and other programs like Low Water Response.
- Other volunteers contributed to special events preparation, setup and site improvements at the O'Hara Mill Pioneer Homestead & Conservation Area; improvements at Massassauga Point, the Frink Centre, Quinte and Sheffield Conservation Areas; care and maintenance of "Birdhouse City"; environmental cleanups and administrative assistance.

## Interpretive and Education Programs

- Over 600 people took part in the outdoor program: a series of 18 evening hikes, a cross country ski/interpretive tour, a six-week Bird Identification course, interpretive hikes at Bird Migration Awareness Week in Prince Edward County, three full day hikes, guided hikes at Activity Days at the H.R. Frink Centre and hikes at Heritage Day at O'Hara Mill Pioneer Village.
- Children had summer fun at Conservation Camps at Macaulay Mountain and Quinte Conservation Areas. Offered with the support of Rotary Clubs, full registration was attained in Belleville and 80% in Picton.
- 56 elementary schools in the watershed were encouraged to cover the topic of Spring Water Safety with students before March Break, using resources available at [www.quinteconservation.ca](http://www.quinteconservation.ca), their school library and at their school board.

## Stewardship

- 57,000 seedlings were ordered through the Tree Seedling Stock Program.
- Trees Ontario Foundation donated \$15,600 to offset tree planting and reforestation projects.
- Quinte Conservation partnered with the Prince Edward Stewardship Council on Waring Creek to implement a farm stewardship program and they received \$70,000 towards grants to the farming community.
- In partnership with the Wetland Habitat Fund, \$50,000 was distributed to complete 25 projects that will improve 300 hectares (ha) of wetland and watercourse habitat.

## Permits and Regulations

- Regulations that protect lives and property from the dangers of flooding and protect floodplains, wetlands and other sensitive areas require a permit for work near these sites. There were 348 applications received. Technical advice from Quinte Conservation assisted landowners to meet requirements for proposed projects. Most applications were approved, some were withdrawn or put on hold, six were denied and staff responded to 108 legal enquiries.
- Charges were laid in February against the owner of the Bakelite property on Dundas Street in Belleville for work undertaken at the site that is contrary to regulations governing flood plains and shorelines. Another charge was laid in December.



## Planning

Over 60 preliminary visits were conducted; for each application a site visit and a response letter is prepared. There were 174 Consent to Sever, seven Official Plan Amendments, 43 Zoning Bylaw Amendments & Minor Variances, 11 Site Plans and 10 Sub-division Plans reviewed.

## Cleanups

- The 14<sup>th</sup> Annual 'Trash Bash' road-side cleanup, took place in April across the Quinte Region. Partners included Quinte Conservation, Prince Edward Round Table on Environment & Economy and Quinte Watershed Cleanup.
- In May, Quinte Conservation and the City of Belleville's Parks & Recreation department organized a cleanup of Cascade Park and Scout tree planting event.
- In October, Quinte Bassmasters collected five boat loads of garbage from the boat launch area at the Deerock Lake Conservation Area and the islands.
- In October at the Moira River Cleanup, students from Moira Secondary School found less garbage in the river than previous years. Canadian Fly Fisher Magazine also helped.



## Depot Lakes Campground

Quinte Conservation's Depot Lakes Campground, with 17 interior campsites and 60 seasonal campsites, generated revenue of \$89,133.00.

## Rotary Conservation Pavilion

An official opening and dedication ceremony of the Conservation Education Pavilion took place in June with Rotary Club of Quinte Sunrise members joined by QC Board Members.

## Summer Employment

19 students were hired for work terms of seven to 17 weeks through Job Connect, Federal Summer Career Placement and provincial Experience programs.

## Forestry

- A red pine plantation will be used as a demonstration forest by the Hastings Stewardship Council to promote and demonstrate proper management.
- 13 ha of Red Pine were thinned and 14 ha of White Pine were marked.



## Public Information Sessions and Workshops

- April: Quinte Conservation, in cooperation with the Bay of Quinte Remedial Action Plan, offered the Community Wildlife Monitoring Workshops to 55 interested volunteers. They learned how to monitor frogs and amphibians, forest birds and marshes.
- May: Proper maintenance and construction of their wells and septic systems for rural residents in Consecon.
- June: Working with You and Your Woodlot, in partnership with the Ontario Woodlot Association—Quinte Chapter, Wetland Habitat Fund and the Hastings Stewardship Council.
- November: Tree Planting Workshop

## Fundraisers

- The first Green Energy fundraising drive raised close to \$7,500.00.
- The annual O'Hara Mill Pioneer Homestead Fundraising Dinner—Auction, held in June, raised \$8,800.

## Green Energy Project

A very generous donation of \$400,000 was made to Quinte Conservation at the end of 2006 by the Parrott Foundation in support of the Green Energy Hydro Project that will begin construction in the summer of 2007.

## Technology

- Scanning of historical documents and files was ongoing and a digital press clipping service was instituted.
- New Solar Panels provided power to QC's Christmas tree lights.
- Quinte Conservation had an environmentally friendly septic system installed to help protect the quality of the ground and surface water.
- A Saturn Vue Hybrid was leased making it the third hybrid in Quinte Conservation's work vehicles.



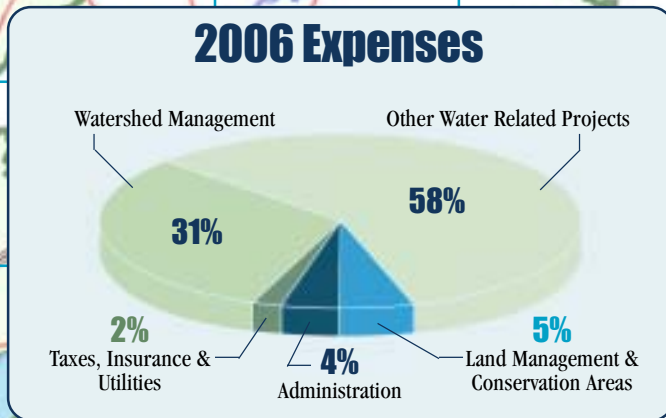
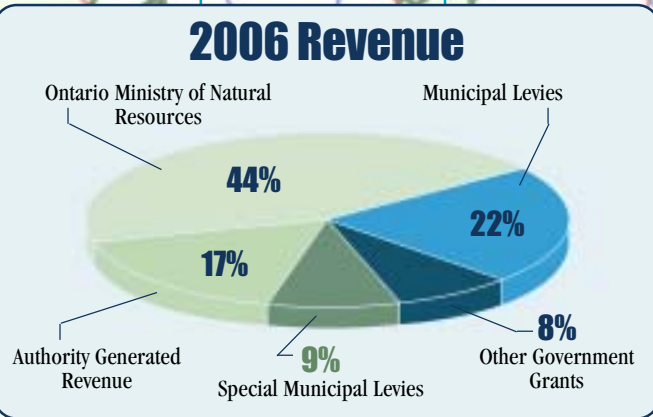
Quinte Conservation, one of Ontario's 36 conservation authorities, is a community-based environmental protection agency that provides cost-effective environmental expertise and leadership that develops and delivers programs to ensure the healthy coexistence between the community, its environment and its economy.

Quinte Conservation's area of jurisdiction includes the drainage basins or watersheds of the Moira, Napanee and Salmon Rivers and all of Prince Edward County. This 6,200 square kilometre region is home to over 110,000 people living in 18 municipalities.

Quinte Conservation works with landowners, community organizations, businesses, local municipalities and all levels of government. In particular, Quinte Conservation provides important conservation advisory services to its local municipalities.

Quinte Conservation owns over 30,000 acres of land ranging from small parcels at some of the 39 water control structures, to large tracts of over 1,000 acres, many with significant natural features.

Quinte Conservation's success is based on: local initiative, watershed jurisdiction and partnerships in resource management.



## Quinte Conservation Executive Committee

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Robert Sager	Quinte Conservation Full Authority Chair
George Underhill	Quinte Conservation Full Authority Vice-Chair

### Moira River Watershed Advisory Board

Robert Sager, Chair	Township of Madoc
Stan Meeks, Vice-Chair	Municipality of Tweed
Teresa Whitmore	City of Belleville
Egerton Boyce	City of Belleville
Roy Ingram	City of Quinte West
Stead Covert	Tudor & Cashel Townships
Eythel Grant	Township of Addington Highlands
Rita Cimprich	Municipality of Marmora & Lake
Dale Grant	Township of Stirling Rawdon
Larry Mitz	Municipality of Centre Hastings
Jackie Denyes	City of Belleville

### Napanee Region Watershed Advisory Board

Jack Nicolson, Chair	Township of Central Frontenac
Roger Cole, Vice-Chair	Town of Greater Napanee
Doug Bearance	Township of Stone Mills
William Robinson	Township of South Frontenac
Ric Bresee	Loyalist Township
Wayne Pascoe	Tyendinaga Township
Barb Thompson	Town of Deseronto

### Prince Edward Region Watershed Advisory Board

George Underhill, Chair	County of Prince Edward
Steve Harris, Vice-Chair	County of Prince Edward
Bev Campbell	County of Prince Edward
Monica Alyea	County of Prince Edward
Jim Dunlop	County of Prince Edward
Stacey Hatch	County of Prince Edward
Marc Vermander	County of Prince Edward