

WHY WE PLANT TREES:

1) Storm Water Retention

When it rains, watersheds act like big funnels. Storm water rains down on the earth and rushes for gutters and creeks. The capillary network of tree roots holds water, and slows down the race to sea level. Deforested banks suffer from the "toilet bowl effect" of extreme high volume and low volumes. In a healthy watershed, the excess water weeps through the roots of the tree cover. In the chart to the side the same amount of water runs through the imaginary creek. By eliminating extreme flood and drought conditions the flow of water in the watershed is stabilized.

2) Reduced Erosion and Siltation

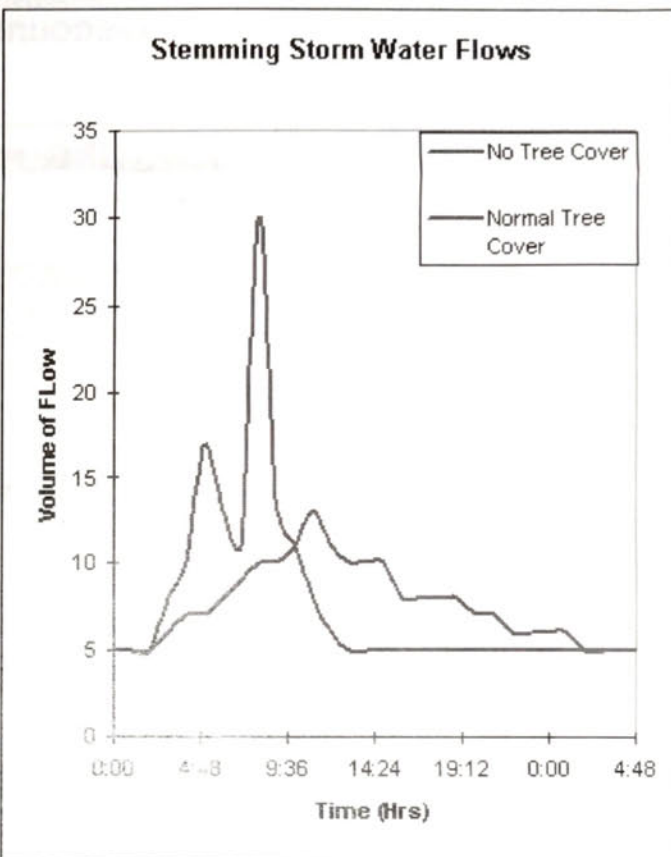
Normal maturing of river beds has some degree of erosion taking place. This is the mechanism which causes the formation of river deltas. Although this creates a plentiful estuarial environment, in extreme cases of erosion, the river higher up in the valley becomes bare of life, as the river becomes wide and shallow with few pools. The pools provide refuge during searing summer heat.

The widening of the river is caused by banks collapsing into the river, filling the water with silt. The silt settles out of the water further down stream in slower waters which one time was ideal holding water and critical for juvenile fish production. The redds, or spawning beds of fish are covered over with a suffocating layer of dirt that kills the aelvin (newly hatched fish) buried beneath the gravel.

Tree roots glue the dirt and clay together. The trees help keep the river narrow with good pool, riffle, run formations which provide excellent habitat for fish.

3) Increase Shade & Lower Mean Temperatures

As you have likely experienced, trees provide an excellent source of shade. This shade is another refuge for fish stressed by high summer temperatures, and low seasonal flows. Most streams coming off of the Niagara escarpment are ground water flows with summer temperatures approximately 10° Celsius. Once this water is permitted to burble along a creek or river bed, it is capable of holding more oxygen than water of 25°C. Fish will congregate in seams of ground water, as do other aquatic life such as insects. By protecting these cooler flows of water with significant shade cover, the biodiversity of the watershed is increased.

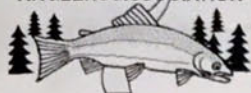


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- Why Plant Trees?
- CRAA's AGM
- Credit River Regulation Change Update

By shading the river, it is possible to maintain cooler temperatures. With out tree cover, a river will reach up to 32-33°C in southern Ontario. Studies have shown 100m of exposed river in Southern Ontario can increase in temperature by 3 to 10°C during a hot summer day. This rapid temperature increase and accumulated increases as the rivers flows towards its mouth can be lethal to many fish and insect species. As the water warms, algae and weeds increase, often causing further oxygen loss when they decay which exacerbates the impaired water quality. In effect, a cool spring fed stream will often have significantly better water quality compared to a warmer section of river, even in the same river system.



**CREDIT RIVER
ANGLERS ASSOCIATION**Credit River Anglers Association
Light Lines

Contributions are welcome from all members and non-members alike. Send you articles of interest, messages or suggestions to:

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Special thanks for support from the following organizations:



CRAA Members receive a 10% discount at the retailers listed !

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CRAA volunteers organized and ran the Mississauga kids fishing day today (July 19) with great success. Rods donated by the Toronto Sportsmen's Show and the MNR and advertising in the Toronto Sun brought out the crowds.

While we did not do an exact count, well over 500 kids attended the event, along with parents. 16 or so CRAA volunteers kept it moving.

176 rod and reel combos were handed out FREE to the first kids who needed them at the event. The event was to kick off at 10 AM, but when we arrived at 9:15 there was already a line-up. By 10:01 AM the free rods were gone! Walter Oster from the Sportsmen's Show also brought about 50 "kid's fishing day" hats and shirts for prizes and for volunteers. Hats and shirts were given to kids who caught fish and we ran out before lunch! Catfish being the top catch of the day, but perch, rock bass, sunfish and a few smallmouth made the kids happy.

Regular CRAA volunteer Bruce Dobbin worked the BBQ with his usual perfection. Chris Atkinson, Mike Polanski and a few others worked the second BBQ. In all, some 600 hot dogs, 200 burgers, and 24 cases of pop were gobbled up by the hungry kids. The hot dogs were donated by Schneider's via Chris Atkinson and the burgers by Mike Polanski. CRAA bought the buns and pop

New Regulations for the CREDIT RIVER

Credit River Regulations for 2004-5

Year-round open season for rainbow trout and brown trout:

Credit River and tributaries - City of Mississauga from the south side of the Queen Elizabeth Way bridge downstream to Lake Ontario and from the north side of the Dundas Street bridge upstream to the south side of the Highway 403 bridge in the City of Mississauga.

New - Mullet Creek is open to 403.

Atlantic Salmon:

All tributaries of Lake Ontario lying upstream of the Queen Elizabeth Way or Gardiner Expressway in the regional municipalities of Niagara, Hamilton

-Wentworth (excluding Hamilton Harbour), Halton, Peel, York, Wellington County and the City of Toronto excluding Highland Creek and the Rouge River. Atlantic salmon closed all year (Div 3 and 4).

Fish Sanctuary:

Credit River - City of Mississauga, between Q.E.W. and Hwy. 5. Fish sanctuary - no fishing from Jan. 1 - Fri. before last Sat. in April & Aug. 15 - Dec. 31. Note: no change.

Revised:

1. Credit River and tributaries - from the south side of the Hwy. 403 bridge, City of Mississauga, upstream to the south side of the Britannia Road bridge in the Village of Streetsville. Fish sanctuary - no fishing from Jan. 1 - Fri. before last Sat. in April & Aug. 15 - Dec. 31.

New - extended to Britannia Road.

New:

2. Credit River and tributaries - from the south side of the Old Baseline Road bridge, Town of Caledon, Regional Municipality of Peel, upstream to Highway Number 9. Fish sanctuary - no fishing from Oct. 1 to Dec. 31 and from Jan. 1 - Fri. before last Sat. in April

3. Credit River and tributaries - from the south side of the Britannia Road bridge in the Village of Streetsville - upstream to the south side of the Old Baseline Road bridge, Town of Caledon, regional municipalities of Peel and Halton excluding Levi and Fletcher's Creeks. Fish sanctuary - no fishing from Jan. 1 - Fri. before last Sat. in April.

New Special Regulations:

Credit River and tributaries upstream of Old Baseline Road, Town of Caledon, Regional Municipality of Peel. Rainbow, brook or brown trout catch and possession limit of zero (0)

New - zero limit and rainbow trout now also protected.

Credit River and tributaries upstream of Old Baseline Road, Town of Caledon, Regional Municipality of Peel. Artificial lures with a single pointed barbless hook must be used. No live or organic bait allowed.



The AGM



Pursuant to the laws of the Province of Ontario, the association is required to have an Annual General Meeting. As a member of the association you are invited to attend this meeting Wednesday October 29th, 2003 at 1255 Old Derry Road, Mississauga, Ontario (see <http://www.creditvalleycons.com/find/> for directions). We also encourage you to bring a friend who may be interested in learning more about the Credit River Anglers Association.

The proposed agenda for Wednesday evenings meeting is as follows:

- 7:00 pm Introduction
- 7:05 pm Voting for President/Directors – Proxy form
- 7:15 pm Financial update – Jim Kendell
- 7:25 pm Brown trout (*Salmo trutta*) telemetry study – Mike Zimmer M.Sc. Candidate
- 8:00 pm CRAA rehabilitation update 03 – John Kendell/Brian Morrison
- 8:30 pm break – *donuts, pop and coffee provided*
- 8:40 pm Upper Credit River Rehabilitation Initiate, 3 year summary – Bob Morris CVC
- 9:10 pm District enforcement program – how to become involved – Ian Magee OMNR

To help make the message clearer to those who don't understand what the associations goals and objectives are the guest speakers will explain the science behind some of the policy positions C.R.A.A. has endorsed.

We hope to see you there, to participate and strengthen the association.

Membership and Renewal Information

Are you concerned about the future health of the beautiful Credit River and Bronte Creek watersheds including all their tributaries? Do you enjoy fishing, hiking and other activities in the valleys? Do you want a cleaner river, better fishing and a cleaner environment for the future? Then you should join CRAA NOW. CRAA's address is on page 2.

New Member Fees:	1 year \$25.00	3 years \$55.00 (Please enclose cheque payable to CRAA)
Membership Renewal :	1 year \$20.00	3 years \$50.00

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