Home Improvement for Any Time of Year!

Looking to make energy saving changes to your home or need your septic system pumped or upgraded?

ENERGUIDE FOR HOUSES

Advice you can live with

During this time of year, any draughts in your house are easily felt by you and your pocketbook. The EnerGuide for Homes program is a great way to make your home more energy efficient and save you money in the long run.

A trained auditor will come to your home and complete an assessment. You will then receive a detailed report with a list of recommendations you can implement. A list of government grants and rebates will be referred to as part of your report. There are currently Federal and Provincial rebates available.

Once you have finished the recommended renovations to your home, the auditor will return and do a second audit to determine how efficient your home has become. The total cost of this service is $150 (no HST).

Please contact Jamie McCamon to take advantage of these programs!

902-532-7533

Toll free
1-888-547-4344

Email
ehap@annapolisriver.ca

Environmental Home Assessment Program

EHAP is great program to help you take care of your home and family. This free program assesses your septic system and provides you with valuable knowledge and tips on how to maintain your oil tank and well.

By participating in this program you are eligible to receive a $100 rebate towards pumping your septic system. An EHAP assessment must be done first to receive the rebate voucher.

If your septic system is in need of replacement or repair, you may also be eligible to apply for up to $3000 in grants to repair your malfunctioning system. You are required to participate in the EHAP program before you can apply for the septic system repair grant.

Clean Annapolis River Project
PO Box 395
Annapolis Royal NS B0S 1A0

Yes I would like to make a donation to the Clean Annapolis River Project, a registered charity.

Amount $ _____

I would like a receipt: YES / NO

Name and address of donor:

_____
_____
_____
_____

Thank You!

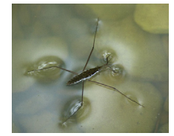
WATERSTRIDER
Quarterly newsletter of the
Clean Annapolis River Project

Contributions welcome:
CARP, PO Box 395
Annapolis Royal, NS
B0S 1A0
carp@annapolisriver.ca

Deadlines:
Spring: 1 April
Summer: 1 June
Autumn: 1 September
Winter: 1 December

Like us, search Clean Annapolis River Project

Follow us @ CARPAnnapolis



WATERSTRIDER

Clean Annapolis River Project

Toward an ecologically healthy Annapolis River watershed


Before dam removal


After dam removal

The Time Has Passed for the Clementsport Dam

Article by Andy Sharpe, Science Consultant

Built in the early 1940s to provide drinking water to the wartime Cornwallis Navel Station, the time has past for the Clementsport Dam. After its use as a drinking water supply ceased in the 1960s, the dam and impoundment served as an actively used community-swimming park. Over the past ten years though, interest in the park has faded, with the dam falling into disrepair. High river flows and ice damage had removed large portions of the dam and undermined the structure. The Clementsport Dam was a major barrier to fish passage and a public safety hazard.

September 2011 marked the culmination of 4 years of planning and preparation, with the successful removal of the Clementsport dam and restoration of the Moose River. For the first time in more than 70 years, migratory fish will be able to move up the Moose River unimpeded, with the removal of the dam.

The project was the result of partnership across three levels of government, spanning Canada and the United States. The National Oceanic and Atmospheric Administration (NOAA), the Gulf of Maine Council (GoMC) and Fisheries and Oceans Canada have worked diligently for more than 4 years with CARP to bring this project to fruition. The project would not have been possible without funding support from: NSLC Adopt-a-Stream, the province of Nova Scotia, the Atlantic Salmon Conservation Foundation and RBC Blue Water Leadership.

At the instigation of the local community, CARP undertook a Feasibility Study of the dam in 2009-10 to identify the best course of action with respect to its future. After a comprehensive study, which included numerous community meetings, a consensus emerged that the complete removal of the dam and restoration of a natural river channel was recommended. The next step in the process was to complete a restoration design for the dam and obtain the necessary permits.

CARP retained Hurlburt Construction of Yarmouth to undertake the physical restoration. Parish Geomorphic provided onsite engineering oversight. The restoration of the site included a number of components. The dam, derelict fish ladder and concrete abutment were demolished and removed. Three deflector weirs were installed to protect the adjacent Clementsport Road. Three riffles and a grade control structure were also installed to ensure fish passage through the site.

Unlike the vast majority of NS rivers which have been adversely impacted by acid rain, the unique local geology of the Moose River watershed provides natural buffering. It has both good water quality and the necessary habitat needed for the spawning and rearing of the threatened Atlantic salmon. CARP will continue ecological monitoring at the site until the summer of 2013 to better understand how the river has recovered.

The removal of the dam represents one of the first planned removals of a derelict dam in NS. Through the partnership with NOAA and GoMC, the project has drawn dam removal experiences from New England . It is hoped that this experience can be used to restore other rivers in the province.

Broken Brooks 2011

Article by Chelsae Postma, Ecological Restoration Technician

CARP staff surveying at a culvert site on HWY 101.

CARP's Broken Brooks project finished its third year of research in September 2011. This project focuses on the segmentation of stream habitat by culverts, which may inhibit migrating fish species. Fish, such as brook trout, need to access a variety of habitats within a stream system to spawn, find food and escape rising water temperatures in summer. Barriers can be the result of perched culverts, which fish cannot jump into when swimming upstream, sloping culverts, which increase the velocity of water, and blockages from natural or man-made debris.

Outflow drop of a double, wooden culvert.

In the summer of 2011, research continued on stream crossings located in the Annapolis River watershed. Two hundred twenty-eight sites were assessed, beginning with those closest to the main stem of the Annapolis River. Similar to previous findings, over half the culverts that were visited on fish bearing streams were barriers to migrating fish. Out of the 228 sites, 144 were culverts on fish bearing streams. Of these, 43% were deemed passable to a ≥10 cm brook trout, however, 57% were determined to be partial or full barriers to fish migration. The other sites were either bridges, not fish habitat or not accessible.

In addition to carrying out culvert surveys, CARP also undertook the remediation of 11 culverts, in order to connect over 26km of upstream habitat. Nine debris removals and two rock weir installations were completed in the watershed. Debris removals mainly involved removal of woody and vegetative material that had collected at the inflow of culverts. Three of these barriers were partly the result of grates or cages at the culvert inflow, which are more likely to accumulate debris. Two rock weirs were installed, one in Granville Centre and the other in Brooklyn, Annapolis County. These structures are designed to raise the water levels and back water into the culvert, thereby eliminating the outflow drop and reducing the water velocity through the culvert.

For more information on this project visit: http://www.annapolisriver.ca

Culvert restoration before debris removal by CARP staff.

Culvert restoration after debris removal by CARP staff.

Team Building at Jubilee Park & Stone Bear Track and Trails

Article by Monik Richard, Executive Director

Traditional hand drum, handcrafted by Todd Labrador

Team building and professional development is an important exercise for all organizations, especially those in transition. It teaches us more about who we work with, our personalities and commonalities and allows us to work more effectively as a team. This past year CARP's volunteer Board of Director recognized the importance of team building exercises with 2 distinct events.

The first was held at Jubilee Park in Bridgetown in late July. CARP staff and rented a few kayaks, borrowed a few canoes and had a wonderful 2 hour paddle on the Annapolis River from Bridgetown to Bloody Creek with our Board President, Murray Freeman and Treasurer Doug Parker as our personal guides. We learned how to reconnect with the resource and habitats that CARP protects and saw them in a fresh perspective.

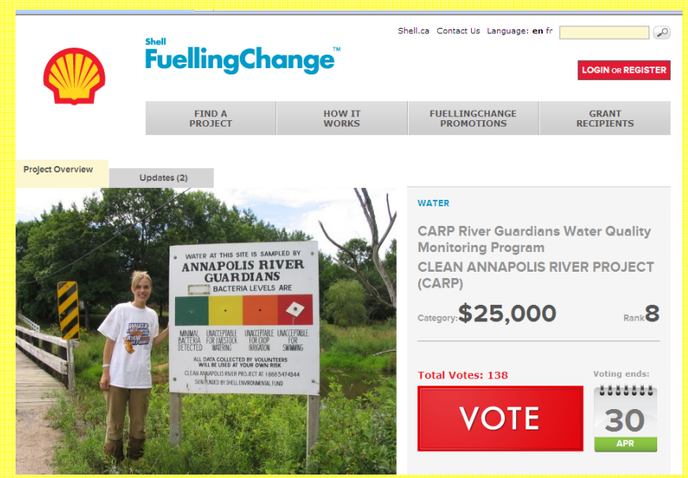
The second was held at Stone Bear Track and Trails, Bear River in late September. 10 Board members and staff spent the day at this unique outdoor retreat to learn how to reconnect with nature and about a Mi'kmaw perspective. We shared stories and learned to take turns listening through a talking circle, sang songs in Mi'kmaw, danced, made traditional crafts, hiked the woodland trail, heard traditional stories and ate delicious home cooked food.

Before these events, CARP staff and Board members had never spent time together outside of the workplace in an organized way. With new Board members and new staff our team continues to grow and to evolve in positive lights.

Hiking in the Stone Bear trails

Sharing stories in the talking circle

VOTE CARP's River Guardian Program in Shell Fuelling Change



CARP's River Guardians Program has been accepted in the Shell Fuelling Change Competition

WE NEED YOUR VOTES!

1. Go to www.fuellingchange.com
2. Register and receive 10 free votes.
3. Vote for CARP River Guardian Water Quality Monitoring Program.
4. Redeem Shell Gas Station receipts for more votes. (each receipt = 10 votes)
5. Spread the word and tell your friends to vote for CARP and keep and redeem their Shell receipts.