



Carrot River Valley Watershed Association

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Summer 2017

The Carrot River Valley Watershed Association Inc. (CRVWA) is dedicated to preserving and maintaining the character and integrity of the watershed through education and awareness. We are proud to be a local, grassroots, non-profit organization serving our members:

City of Melfort
Town of Carrot River
Town of Arborfield
Town of Wakaw
Village of Lake Lenore
RM of Tisdale No. 427
RM of Connaught No. 457
RM of Moose Range No. 486
RM of Kinistino No. 459
RM of Invergordon No. 430
RM of Hoodoo No. 401
RM of Fish Creek No. 402
RM of Humboldt No. 370
RM of St.Peter No. 369
RM of Pleasantdale No. 398
RM of Nipawin No. 487
RM of Star City No. 428
Melfort & District Wildlife Federation
Tisdale Wildlife Federation
Cudworth Wildlife Federation
Pasquia Regional Park
Wakaw Lake Regional Park Authority
Kipabiskau Regional Park
Resort Village of Wakaw Lake
Resort Village of Tobin Lake
St.Peter Conservation & Development Authority
Arborfield Conservation & Development Area Authority
Moose Range Conservation & Development Area Authority

New members are always welcome to add their voices to protecting our watershed by joining the CRVWA. Contact us for more information.

Alert Monitors for Remote Livestock Watering Systems

The use of remote watering systems for livestock can help to improve water quality, reduce soil erosion, and protect shorelines and riparian areas. In addition, recent research from the Western Beef Development Centre has also demonstrated that calves with cows that drank from a trough gained an average of 0.09 pounds per day more than calves with cows that only had direct access to a dugout. This resulted in an extra 18lbs of weaning weight per calf during the trial*.

However, even with the demonstrated financial and environmental benefits of using remote watering systems instead of allowing livestock direct access to surface water, many producers are hesitant to adopt the practice of remote water systems for their livestock. This is because the reliability of the system is questioned by many livestock producers. The remote water systems may fail without warning, leaving livestock without a source of water until the problem is discovered. To offset this concern, producers generally make at least one trip a day out to check on their watering system, taking time away from other farm duties and increasing their cost of production.

To help to reduce the frequency of trips to check on remote watering systems, producers may consider implementing an alert monitor system. The Carrot River Valley Watershed Association is excited to

be working with the Ministry of Agriculture and the Agricultural Demonstration Practices and Technologies (ADOPT) program to set up two demonstrations for alert monitors for remote livestock watering systems this fall. This project will demonstrate the use of monitoring systems for remote water systems for livestock on summer pastures, with the goal of increasing confidence in the remote watering systems and decreasing the number of site visits needed to actively check the systems. This project will also demonstrate two types of monitors that can be used by producers to help to identify which system would fit best into their operation and budget. These two types of monitors are a simple, beacon light system and a cellular phone monitoring system. A field day event to tour these sites will be taking place this fall. Stay tuned for the date!

This project was supported by the Agricultural Demonstration Practices and Technologies (ADOPT) initiative under the Canada-Saskatchewan Growing Forward 2 bilateral agreement. We would like to thank our project partners and supporters, including Saskatchewan Ministry of Agriculture, Sundog Solar, Morgan & Margaret Leigh, and Jordan & Janelle Kowal.

This project was undertaken with the financial support of the Government of Canada.

Ce projet a été réalisé avec l'appui financier du gouvernement du Canada.

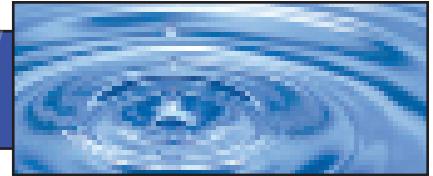


Fisheries and Oceans
Canada

Pêches et Océans
Canada



Summer water use can be 2 to 4 times more than water usage in winter months. Some easy ways to save water are to use a broom instead of a hose to clean sidewalks, driveways, porches or decks and use a rain barrel to collect water for watering lawns and gardens.



Feral Wild Boar in Saskatchewan

Originally from Siberia, wild boar were first introduced to Saskatchewan as part of an agriculture diversification initiative. Escaping and released wild boar have become invasive throughout the province, and these highly adaptable, hardy, invasive species are prevalent throughout our watershed area. Feral wild boar have very few natural predators, are extremely intelligent, and are known to carry up to 30 different diseases that can harm humans and livestock including E.coli, bovine tuberculosis and foot and mouth disease. They are able to reproduce rapidly, and a sow can have two litters per year with an average of 6 to 8 piglets in each litter. They are omnivores, which means that they eat both plants and animals, and they will eat virtually anything including crops, roots, tubers, worms, insects, bird eggs, snakes, lizards, mice and even deer. They will dig into the ground, rooting for food, and can cause extensive damage to crops, riparian areas and pastures. They have razor sharp tusks, a thick hairy coat, and longer legs than domestic pigs that help them travel through snow. An adult male can weigh up to 300 pounds.

Through their rapid reproductive rate, adaptability, rooting and destructive nature, feral wild boar can have a dramatic impact on our land and water resources including riparian areas, wetlands, grasslands, pastures, crops, and more. These animals are also very dangerous, and will attack any creature that they deem as a threat. Their ability to adapt and thrive in a variety of environments, exponential reproductive rates, and lack of natural predators, have made feral wild boar a problematic invasive species throughout North America.

The Carrot River Valley Watershed Association has been working with Dr.Ryan Brook from the University of Saskatchewan to bring together wild boar researchers, experts, municipalities and the public to discuss this issue and how to develop response plans to feral wild boar. We will be hosting a Wild Boar Symposium on Friday, November 3, 2017 at the Kerry Vickar Center in Melfort. For more information and to register, contact the CRVWA at 306-752-1270.



Come out and enjoy a variety of presenters share their knowledge and experience on the feral wild boar issue in Saskatchewan and participate in discussion on the topic. Includes presentations on wild boar eradication, tracking, anatomy, and disease testing. A taxidermy wild boar model will be on display.

Pre-registration before October 27 is required. Registration costs \$20 and includes lunch. To register, contact the Carrot River Valley Watershed Association (306) 752-1270 or crwatershed@gmail.com



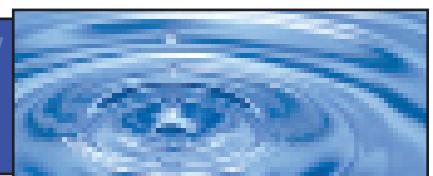
Wild Boar Symposium
Kerry Vickar Centre, Melfort
10am-4pm November 3 2017







Wash your car or boat with a bucket of water and soap and then rinse it using a hose with a shut off device. Do not leave a hose running or left unattended. If you wash your vehicle on the lawn, with chemical-free soap, you will be watering your lawn at the same time!



Help conserve water by watering lawns and gardens early in the morning or late in the evening to help minimize evaporation loss. Avoid watering on windy days and at midday, when water will likely evaporate before it can soak into the soil.



Love Your Lake Program 2017 Summary

Following the success of delivering the Love Your Lake program to shoreline property owners at Wakaw Lake in 2016, the Carrot River Valley Watershed Association partnered with the R.M of Invergordon No.430 this summer to deliver this program to shoreline property owners at Struthers and Dixon Lakes. Created by Watersheds Canada with support from the Canadian Wildlife Federation, Love Your Lake is Canada's most comprehensive shoreline assessment and stewardship education program available to lake communities and shoreline property owners. Love Your Lake is an education and outreach program that aims to encourage and engage shoreline property owners in shoreline stewardship.

Over the course of the summer, 150 shoreline assessments were completed on Struthers and Dixon Lakes by CRVWA staff. During the upcoming winter, each shoreline property owner on these lakes will receive access to their personalized and confidential shoreline property report through an on-line access code that will be sent to them in the mail. Each property report contains simple, yet meaningful, voluntary recommendations and resources that will help shoreline property owners improve or maintain their shoreline health and consequently improve the health of their lake.

We are very pleased to have once again had the opportunity to work with the Canadian

Wildlife Federation and Watersheds Canada to bring Love Your Lake to our watershed, and we would like to express our gratitude to the RM of Invergordon No.430 for working with us to deliver this program at Struthers and Dixon Lakes.

If you, or anyone you know living along a lakefront shoreline would like to assess their personal shoreline property, or if you are a regional organization wanting to deliver this program in your area we encourage you to visit www.loveyourlake.ca or please contact the CRVWA at 306-752-1270 for more information.



Lawns need twice as much water as beds filled with flowers and shrubs. Replace lawn with native plants or outdoor living areas to help reduce your watering needs. Adding mulch to flower beds can further help to conserve soil moisture, reducing watering, and also will help to suppress weeds.



LAWNS

Lawns need only 25 millimeters (1 inch) of water per week, including rain. Longer, infrequent watering will help to develop deeper, healthier roots. Keep lawns mowed 2 to 2.5 inches high and you will help the soil retain moisture and reduce evaporation.

Growing Forward 2 Funding Program Deadlines

With Growing Forward 2 coming to an end on March 31, 2018, there are some important deadlines approaching that agricultural producers need to keep in mind. The Farm Stewardship Program is accepting applications for rebate projects until January 31, 2018 and the table below shows which projects are currently eligible for this program. If an application to the Farm Stewardship Program has already received approval, the project must be completed and claims submitted by January 31 2018. The Farm and Ranch Water Infrastructure Program is now closed for applications and all approved projects must be completed and claims submitted by February 15, 2018. Contact 306-752-1270 or crwatershed.ca for more information about these deadlines, current programs and eligibility criteria.

| BENEFICIAL MANAGEMENT PRACTICES (BMPs) | COST SHARE | PROJECT CAP | PRE-APPROVAL OR REBATE | AEGP OR EFP* |
|--|------------|-------------|------------------------|--------------|
| LIVESTOCK SITE MANAGEMENT BMPs | | | | |
| Fencing to Protect Surface Water | 50% | \$10,000 | Rebate | AEGP |
| LAND MANAGEMENT BMPs | | | | |
| Protecting High Risk Erodible & Saline Soils | 50% | \$10,000 | Rebate | AEGP |
| Shelterbelt Establishment | \$600/mile | \$5,000 | Rebate | EFP |
| Weather Data Collection & Monitoring | 50% | \$1,000 | Rebate | EFP |
| AGRICULTURAL WASTES | | | | |
| Plastic Grain Bag Roller | 50% | \$5,000 | Rebate | EFP |
| Used Oil Storage | 50% | \$2,000 | Rebate | EFP |
| PRECISION FARMING BMPs | | | | |
| Variable Rate Fertilizer Equipment | 30% | \$5,000 | Rebate | EFP |
| Variable Rate Mapping | 30% | \$2,000 | Rebate | EFP |
| MANURE MANAGEMENT BMPs | | | | |
| Manure Application Equipment | 30% | \$30,000 | Rebate | EFP |
| IRRIGATION MANAGEMENT BMPs | | | | |
| Irrigation Management Planning | 50% | \$2,000 | Rebate | EFP |
| INVASIVE PLANT MANAGEMENT PLANNING | | | | |
| Invasive Plant Management Planning | 50% | \$10,000 | Rebate | RM's |

*AEGP – Agri-Environmental Group Plan or EFP – Environmental Farm Plan required.

Farm Stewardship Program

*Apply for your
Beneficial
Management
Practices
rebate by
January 31, 2018.*



For more info visit www.Saskatchewan.ca/GrowingForward2 or call 1-877-874-5365.



Canada

Upcoming Events

October 25, 2017 – Abandoned Water Well Decommissioning Demonstration, Ridgedale, SK

October 26, 2017 – Abandoned Water Well Decommissioning Demonstration, RM of Prince Albert

TBD – Demonstration of Monitors for Remote Watering Systems for Livestock Field Day

November 3, 2017 – Wild Boar Symposium, Kerry Vickar Centre, Melfort

For more information on our upcoming events contact the Carrot River Valley Watershed Association at (306) 752-1270 or visit crwatershed.ca

Check your sprinklers to make sure they're working properly and fix any leaks. When running a sprinkler, set an oven timer to ensure you don't forget to turn the water off.

Did you know? We are on Twitter and Facebook!

Follow us @crwatershed or www.facebook.com/CarrotRiverValleyWatershedAssociation

