

## Carrot River Valley Watershed Association

202 Main Street or PO Box 40, Melfort, Sask. S0E 1A0

Office Hours: Tuesday-Friday 9am-5pm

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



Winter 2014

### CRVWA to Host Provincial Conference in April

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  
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  
Melfort & District Wildlife Federation  
Tisdale Wildlife Federation  
Pasquia Regional Park  
Wakaw Lake Regional Park Authority  
Resort Village of Wakaw Lake  
St.Peter Conservation & Development Authority  
Arborfield Conservation & Development Area Authority  
Moose Range Conservation & Development Area Authority

Not a member? Not a problem! New members are always welcome to add their voices to protecting our watershed by joining the CRVWA. Contact us for more information.

The Carrot River Valley Watershed Association is rolling out the red carpet to welcome the Saskatchewan Association of Watersheds Conference to Melfort this April. The Saskatchewan Association of Watersheds (SAW) is the unified voice of watersheds in the province. SAW and its members provide a key role in ensuring that water conservation and protection occurs in Saskatchewan. This conference brings together gov-

ernment, non-governmental agencies, non-profit groups, urban and rural municipality representatives and other organizations that share the vision of protecting our water resources. Running from April 13 to 15, the conference provides a unique opportunity for watershed organizations, stakeholders, and government agencies to share information, celebrate successes, and learn from challenges. The conference theme

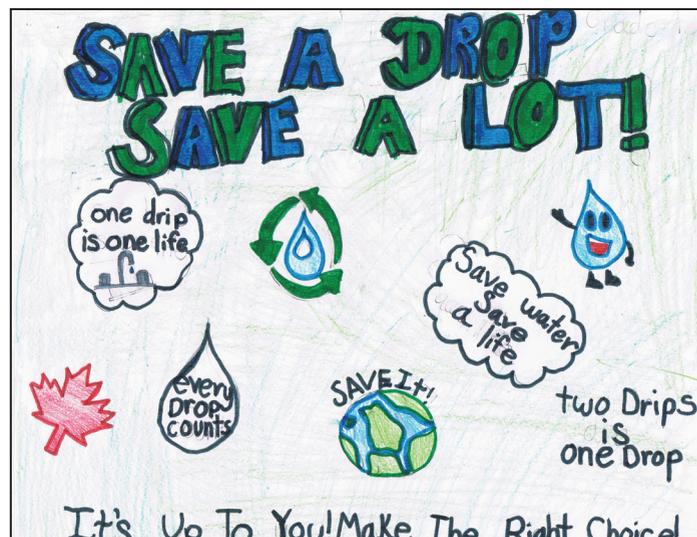
is "Water Management – We Are All Part of the Solution". The agenda includes a wide range of watershed and environmental topics, and the feature speaker is Greg Johnson, better known as the "Tornado Hunter" and star of the television series Tornado Hunters. The full agenda and registration information can be found at [www.saskwatersheds.ca](http://www.saskwatersheds.ca), or contact the CRVWA office at 306-752-1270 for more information.

### "Water and Wildlife" – Youth Poster Contest Now Accepting Entries

The Saskatchewan Association of Watersheds has launched their annual poster contest, and the theme for this year's entries is "Water and Wildlife". The Carrot River Valley Watershed Association (CRVWA) is (one of the 11) 10 provincial watershed associations participating in this year's contest. The CRVWA will be providing prizes for the top 3 local winners from entries re-

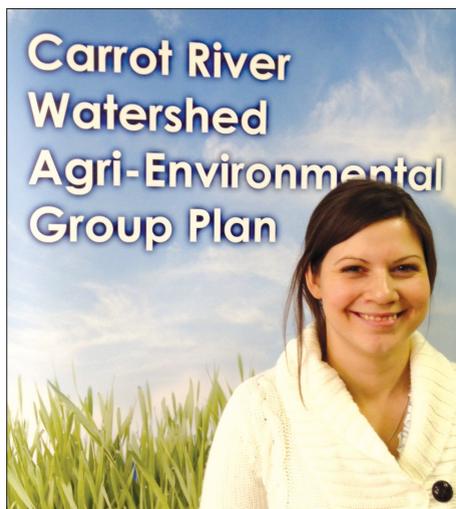
ceived from youth within our watershed. Local prizes will include CRVWA backpacks, water bottles, and more. From there, the first place poster will go on to the provincial finals where it will be judged against the winning posters from the other watershed associations within Saskatchewan. The provincial grand prize is a \$1000 Cabela's gift card, and the grand prize winner will be

announced at the Saskatchewan Association of Watershed Conference in Melfort on April 15. The poster contest is open to youth in grades 5 through 7 that attend schools within the Carrot River Watershed. More details can be found at [crwatershed.ca](http://crwatershed.ca) or by contacting the CRVWA office at 306-752-1270.



Past Local Poster Contest Winners

## CRVWA Welcomes New AEGP Technician



Charlotte Gayler, AAg, joined the CRVWA on December 15, 2014 as the AEGP Technician. Charlotte has a Bachelor of Science in Environmental Biology from the University of Saskatchewan and is currently an Articling Agrologist with the Saskatchewan Institute of Agrologists. While at university, Charlotte's studies focused on ecology, including the ecology of riparian habitats.

Charlotte grew up on her family farm in Kent, England. Her family came to Canada in 2009, and she now farms with her parents south of Star City, SK. Charlotte operates a small flock of Dorset sheep and runs them on a complimentary grazing regime with her parents' cattle.

Charlotte's own values. She is excited to dedicate her education, agricultural background, and passion to her new position. Charlotte is looking forward to working with producers in the watershed, and can be reached at 306-920-8166 or crwatershedaegp@gmail.com.

CRVWA's values of farm stewardship and environmental conservation sit close to home with Char-

### Farm Stewardship Program

Eligible Improvements Beneficial Management Practice (BMPs)	Cost Share	Project Funding Limit	Pre-approval or Rebate	AEGP* or EFP** only
<b>Livestock Site Management BMPs</b>				
Relocation of Livestock Confinement Facilities	60%	\$50,000	Pre-Approval	AEGP
Fencing to Protect Surface Water	50%	\$10,000	Rebate	AEGP
Farmyard Run-Off Control	50%	\$10,000	Pre-Approval	AEGP
Riparian Area Grazing Management & Fencing	50%	\$5,000	Pre-Approval	AEGP
<b>LAND MANAGEMENT BMPs</b>				
Natural Waterway Erosion Controls	75%	\$50,000	Pre-Approval	AEGP
Creek & Stream Crossings	50%	\$20,000	Pre-Approval	AEGP
Protecting High Risk Erodible & Saline Soils	50%	\$5,000	Rebate	AEGP
Shelterbelt Establishment	\$600/mile	\$5,000	Rebate	EFP
Native Plant Establishment	50%	\$10,000	Pre-Approval	AEGP
Used Oil, Filter & Fluid Storage	50%	\$3,000	Rebate	EFP
<b>Precision Farming BMPs</b>				
Variable Rate Fertilizer Equipment	30%	\$5,000	Rebate	AEGP
Variable Rate Mapping	30%	\$2,000	Rebate	AEGP
<b>MANURE MANAGEMENT BMPs</b>				
Manure Storage Enhancements	30%	\$50,000	Pre-Approval	EFP
Manure Application Equipment & Technologies	30%	\$30,000	Rebate	EFP
<b>IRRIGATION MANAGEMENT BMPs</b>				
Irrigation Management Planning	50%	\$2,000	Rebate	EFP
Irrigation Equipment Modification	30%	\$10,000	Pre-Approval	EFP
Variable Rate Irrigation Technology	30%	\$15,000	Pre-Approval	EFP
<b>IRRIGATION MANAGEMENT BMPs</b>				
Integrated Pest Management	50%	\$5,000	Rebate	EFP

\*AEGP=Agri-Environmental Group Plan \*\*EFP=Environmental Farm Plan

**Producers may receive a maximum of \$50,000 through the Farm Stewardship Program for the duration of the program.**



**A bath can use up to 265 liters of water. A five-minute shower uses only 38 to 95 liters of water.**





*A running toilet can waste up to 757 liters of water per day.*

## Farm & Ranch Water Infrastructure Program

The AEGP Technician can also assist producers with applications to the Farm & Ranch Water Infrastructure Program (FRWIP). The FRWIP program is designed to help farmers, ranchers, value added agricultural businesses, and First Nations Bands to access water for their agricultural needs.

### Projects Include:

- Small & large diameter wells
- Shallow & deep buried pipelines
- Deep buried pipelines that connect to an established municipal water source
- Dugouts & dugout expansions
- Relocation of existing water systems for environmental benefit
- Protecting existing wells
- Livestock fencing for water source protection
- Well decommissioning

Project	Cost Share	Project Funding Limit
On-Farm	50%	\$60,000
Well Decommissioning	90%	\$10,000/project
Agri-Business Development	50%	\$150,000
Non-District Irrigation Development	50%	\$1,000/irrigable acre developed to a max. \$150,000
Community Well	2/3 of eligible costs	\$150,000
Irrigation District In-Fill	90%	\$7,000/Irrigation District

For more information on the Farm Stewardship Program and Farm & Ranch Water Infrastructure Program, contact Charlotte Gayler at 306-920-8166 or [crwatershedaegp@gmail.com](mailto:crwatershedaegp@gmail.com)

## Decommissioning Abandoned Water Wells

With the implementation and installation of rural water pipelines throughout our watershed, there are many landowners with groundwater wells that they are no longer using. These abandoned wells can cause problems that extend far beyond the property that they are located on. All water wells have the potential to provide a direct access point for contaminants to enter our groundwater aquifers. This potential increases significantly when the wells are abandoned and fall into a state of disrepair. When groundwater is contaminated, remediation can be costly, time consuming, and difficult. This contamination may also impact neighboring

land owners with wells in the same aquifer, and limit the options of locating a safe water supply on their property. Abandoned wells, especially large diameter bored wells, can also be a significant public safety concern for people, livestock, wildlife, and farm machinery because of the risk of falling into the well.

Decommissioning abandoned wells on your property helps to keep our groundwater safe from surface contamination; protects your family, animals, and equipment; and reduces your liability. The Ground Water Regulations state, "Where the well is no longer in use and

is abandoned, the owner shall cause the well to be properly closed in a manner sufficient to prevent the vertical movement of water in it." Through the Farm & Ranch Water Infrastructure Program, agricultural producers may be eligible for cost-shared funding of 90% of eligible costs (to a maximum of \$10,000 per project) to properly decommission abandoned wells. Contact Charlotte Gayler, AEGP Technician, at 306-920-8166 or e-mail [crwatershedaegp@gmail.com](mailto:crwatershedaegp@gmail.com) for more information.



*The first municipal water filtration works opened in Paisley, Scotland in 1832.*





An inch of water covering one acre weighs 113 tons.

## Identifying Livestock Losses, Predation or Otherwise

By Alicia Sopatyk, BSA, AAg  
Regional Livestock Specialist, Tisdale  
Regional Services Branch  
Saskatchewan Ministry of Agriculture

Predation can be described as the relationship between two animal species where one (predator) hunts, kills, and eats the other (prey). For livestock producers, this can be a serious problem; especially with newborns on the ground. Unfortunately, livestock losses aren't always obvious—scavengers can quickly remove evidence of the kill, leaving producers scrambling for an answer and a way to relieve the problem. Distinguishing between predators, scavengers, and other causes of death is important to ensure further instances are prevented.

Determining the cause of death requires knowledge of the



Livestock

### LIVESTOCK PREDATION AND PROTECTION

February 4, 2015, 9 a.m. to 3 p.m.  
RECplex Hanover Room, Tisdale, SK

#### AGENDA:

##### INTRODUCTION

##### WOLVES AND THE WOLF PILOT PROJECT

Mike Gollup, Wildlife Unit, Ministry of Environment

##### FERAL WILD BOAR

Ian Esson, Provincial Predation Specialist, Saskatchewan Crop Insurance Corporation

##### RECOGNIZING AND DEALING WITH DIFFERENT KILLS

Kevin Cote, Predation Specialist, Saskatchewan Crop Insurance Corporation

##### LUNCH & COFFEE

##### LIVESTOCK GUARDIAN DOGS: HOW THEY WORK FOR US

Cody & Liesl Lockhart, Candill Lamb & Cattle Co.

##### MANAGING WILDLIFE WITH 3D FENCING

Lynne Roszell, Carrot River Valley Watershed Association

##### WILDLIFE DAMAGE PROGRAM

Dan Baber, Saskatchewan Crop Insurance Corporation

Cost: \$10, lunch included

Registration Deadline: January 28, 2015

For more information or to register, contact  
Alicia Sopatyk at 306-878-8847 or  
Lynne Roszell at 306-752-1270



predators and their patterns but also other causes of animal losses. Things to look for include location of lesions, the amount of carcass consumed, number of animals affected, and location and time of death. Hemorrhage (bleeding) and bruising only occur when the animal is alive, or, for a very short period after death, proving to be an important indicator in identifying the cause of death. Furthermore, talking with neighbors can also be valuable in determining the predator pressure and patterns. However, livestock losses could also be the result of nutritional, herd health, or management problems. When the cause of loss is unknown or uncertain, expert assistance from veterinarians or nutritionists may be helpful in diagnosing the cause of death and preventing further losses.

The Ministry of Agriculture, in partnership with the Carrot River Valley Watershed Association, is hosting a predation workshop, Predation and Protection, on February 4, 2015 from 9 a.m. to 3 p.m. at the RECplex in Tisdale. This event will showcase presentations on predation concerns (i.e. wolves and feral wild boar), how to recognize and deal with different kills, and management options for producers (i.e. guardian dogs, 3-Dimensional fencing). The cost to attend this event is \$10, lunch is included. Please call Alicia Sopatyk, 303-878-8847, or Lynne Roszell, 306-752-1270, to register.

Livestock losses can be a serious problem, regardless of the cause. Managing livestock losses requires knowledge on all potential predators and management aspects. By identifying the source of the problem, it is much easier to treat or prevent the loss. To learn more about livestock predation and management, join us in Tisdale on February 4, 2015. For more information on this or other livestock related topics, please contact Alicia Sopatyk, Regional Livestock Specialist in Tisdale at 306-878-8847, call the Agriculture Knowledge Centre at 1-866-457-2377, or visit our website, <http://www.agriculture.gov.sk.ca/>. Contact Saskatchewan Environment, 1-800-567-4224, for further details and for any area-specific restrictions that may be in place for conservation efforts.

### UPCOMING EVENTS

February 2 – World Wetlands Day  
[www.worldwetlandsday.org](http://www.worldwetlandsday.org)

February 4 – The CRVWA has partnered with Saskatchewan Ministry of Agriculture to co-host a Livestock Predation & Protection Workshop in Tisdale. Please preregister by contacting our office at 306-752-1270.

2015 Native Plant Society of Saskatchewan AGM and Conference  
Native Plant Society of Saskatchewan  
February 6 & 7, 2015 Saskatoon, SK  
[www.npss.sk.ca](http://www.npss.sk.ca)

Aquatic Invasive Species Workshops  
Prairie Waters Working Group  
February 11, 2015 Saskatoon, SK  
February 12, 2015 Regina, SK  
<http://prairiewaters.ca/data/documents/AIS-Workshop-Poster.pdf>

March 17-23 – Canada Water Week  
[www.canadawaterweek.ca](http://www.canadawaterweek.ca)

March 22 – World Water Day  
[www.un.org/en/events/waterday](http://www.un.org/en/events/waterday)

April 10 & 11 – Tisdale Rambler Rodeo Trade Show. Pop by our booth and find out more about the CRVWA and AEGP.

April 13-15 – The CRVWA is proud to be hosting the Saskatchewan Association of Watersheds Annual Conference at the Kerry Vickar Centre in Melfort. Visit [www.saskwatersheds.ca](http://www.saskwatersheds.ca) for more information.

April 30, 2015 – The CRVWA Annual General Meeting (AGM) is at the Kerry Vickar Centre in Melfort at 2pm. Watershed Advisory Committees for Carrot River East, Carrot River West, and Lenore Lake Basin will meet at 1pm. The AGM is open to the public; however, only authorized representatives of member organizations are entitled to vote.

**Did you know? We are on Twitter and Facebook!**

**Follow us @crwatershed or [www.facebook.com/CarrotRiverValleyWatershedAssociation](http://www.facebook.com/CarrotRiverValleyWatershedAssociation)**