



Swift
Current
Creek
Watershed
Stewards

Know Your Watershed

Volume 5 - Issue #1

Know Your Watershed

Fall 2008

Agriculture Producers Improving Creek Health!

The Swift Current Creek Agri-Environmental Group Plan (AEGP) began in 2006 and was completed in the summer of 2008. It began as an initiative funded under the Canada-Saskatchewan Agriculture Policy Framework Agreement. It was a complementary program to the Environmental Farm Plan (EFP), which allowed producers to access funding to address an environmental issue of local concern - in this case, water quality! Landowners within the watershed were eligible to receive 50% cost recovery to develop projects that would improve water quality on the Swift Current Creek, Rush Lake Creek, or their tributaries.

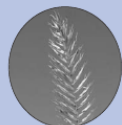
The Beneficial Management Practices (BMP's) eligible for funding included Relocation of Livestock Confinement and Horticulture Facilities, Wintering Site Management and Riparian Area Management.

Through these, producers could apply for cost-shared money for fencing, livestock watering systems, portable shelters, forage seed, etc. Producers really care! Over the 2 year span of the program, 53 different producers submitted 102 project applications!

What are YOU doing to protect the water in our watershed?



Many invasive plants are escapees from gardens. Can you match these invasive plants to their names?



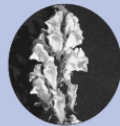
Yellow toadflax



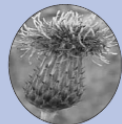
Crested wheatgrass



Baby's breath



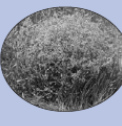
Common burdock



Canada thistle



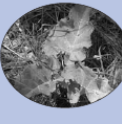
Common tansy



Ox-eye daisy



Field bindweed



Yellow starthistle



Downy brome

Go to our website for the answers!

Photo credits: Angela Salzi; Debbie Nordstrom; Richard Old, XID Services, Inc., Bugwood.org; Steve Dewey, Utah State University, Bugwood.org; Peggy Greb, USDA Agricultural Research Service, Bugwood.org; Mary Ellen (Mel) Harle, Bugwood.org

Our Mission:

Enhance water quality and stream health of the Swift Current Creek Watershed by promoting awareness and understanding among water users

Contact the SCCWS
@ 778-5007
or www.sccws.com

2008 Watershed Tour

The Stewards hosted a tour of the watershed on June 19th as part of the Watershed Protection Plan process in partnership with the Saskatchewan Watershed Authority (SWA). Participants included SCCWS staff and members, SWA and PFRA personnel, industry representatives, and various other residents of the watershed.

The tour included many interesting stops such as the City of Swift Current water treatment plant, Highfield Dam, the Rush Lake Irrigation Project, Duncairn Dam, Lac Pelletier for lunch, Ferguson Bay, the Rock Creek Hydrometric Station, Town of Shaunavon effluent project, Pine Cree, and finally the SPARC research station for a steak supper. We would like to thank the speakers who shared their expert knowledge at each of the sites: Kevin Wingert and Gord Hagen (SK Watershed Authority), Ray Klein (PFRA), Ron Dolter (SK Ministry of Industry), Pete Allen (Town of Shaunavon), Calvin Fiala (SK Ministry of Environment), and Don Lundberg (Landowner, RM of Arlington).

Thanks to everyone who participated, as well as Sunwest's bus driver, John, who went where no bus has gone before! Also, a big thank you to Cecile Blanke, a Métis elder who enthralled us with her stories of Métis heritage at Lac Pelletier, Bryce Burnett for sharing his cowboy poetry, and Clancy's and the Caddyshack who prepared the food for the tour.



Did you know...



- About 70% of the earth is covered in water.
- Freshwater lakes and rivers, ice and snow, and underground aquifers hold only 2.5% of the world's water. Saltwater oceans and seas contain the rest.
- 30.8% of the world's freshwater supply is groundwater, including soil moisture, swamp water and permafrost.
- Only 0.3% of total global fresh water is stored in lakes and rivers.
- Canada has about 25% of the world's wetlands - the largest wetland area in the world.
- 15 to 25% of the Prairie Region is wetland.
- 50% of the world's wetlands have been lost since 1900.



Source: Environment Canada,
http://www.ec.gc.ca/water/en/e_quickfacts.htm

CREDITS AND ACKNOWLEDGMENTS

We gratefully acknowledge the support and assistance of many persons and organizations toward the completion of this newsletter.

The Prairie Farm Rehabilitation Administration (PFRA) and SK Watershed Authority (SWA) as well as the many other sponsors who provided the SCCWS with funding for our 2007-2008 project year.

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Funding for the Swift Current Creek Invasive Plant Species Control Program is provided through the Native Plant Society of Saskatchewan - Invasive Alien Species in the Community and the Provincial Green Strategy.

"Know Your Watershed" is a newsletter produced by the Swift Current Creek Watershed Stewards.

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Agriculture and
Agri-Food Canada
Prairie Farm Rehabilitation
Administration

Agriculture et
Agroalimentaire Canada
Administration du rétablissement
agricole des Prairies



Native Plant Society
of Saskatchewan Inc.

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Government of
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PENN WEST
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Saskatchewan
Watershed
Authority



RM of SWIFT CURRENT No. 137
RM of SASK LANDING No. 167
RM of EXCELSIOR No. 166
RM of CARMICHAEL No. 109
RM of LAC PELLETIER No. 107

RM of WEBB No. 138
RM of ARLINGTON No. 79
RM of MORSE No. 165
RM of COULEE No. 136
RM of BONE CREEK No. 108

DAME'S ROCKET

Environmental Impacts of me's Basket & Leafy Spurge

- You may find them in the
RIPARIAN ZONE

LEAFY SPURGE

Leafy Spurge invades over
4 million acres of land in
the United States and the
Canadian prairies!
- Team Leafy Spurge

Leaky springs costs producers and taxpayers an estimated \$144 million per year in Montana, Wyoming, North and South Dakota alone.

THE KEY TO SUCCESS IN THE BATTLE AGAINST ANY INVASIVE PLANT SPECIES IS TO CATCH POPULATIONS EARLY, OR IF THEY ARE ESTABLISHED, PLAN LONG-TERM MANAGEMENT, MONITOR THE EFFECTS OF YOUR MANAGEMENT, ADJUST AS NECESSARY, AND NEVER GIVE UP THE FIGHT.

Grazing with sheep and goats is one way to manage Leafy Spurge. Others include releasing Leafy Spurge flies, cutting, mowing and herbicide application (except in riparian areas).

If you see these invasive plants anywhere, please report them to the Swift Current Creek Watershed Stewards. The SCCWS are compiling a database of all invasive plant populations in the watershed and we need your help! If possible, please mark the location with a GPS or with a physical marker and land location so it can be easily found again.



Diario di Alcock nel 1901
A nord, esempio, esempio.

- **Dane's Rocket** (*Azorella maritima*) is native to Europe and Asia and is a member of the mustard family
- Dane's Rocket was originally introduced to North America in the 1600's as an ornamental garden plant
- Dane's Rocket has no natural predators or diseases in North America, and produces a huge number of seeds, allowing it to successfully invade disturbed habitats
- It is a hardy plant that tolerates a wide range of soil conditions.
- Its prolific seed set enables it to spread.
- It can colonize moist areas of marshes, flood edges and riparian woods and can also invade pastures

Many of the suspected Purple Lozessite sites that were thought to be the Saskatoon or Purple Lozessite Hothe were actually Dam's Rock; for example, many sites have been spotted along Swift Current Creek. Because of its iridescent nature, an much can be given with Dam's Rock as Purple Lozessite.



Unopened
flowers at top

Power: not sto



Four portals

Holy sham

Hairy men

Last attached
claw to stem

Demol's Product often does not appear in your garden because their seeds require moist conditions for germination.

Daniel's Rocket blooms from June to early July and has very fragrant flowers.



Many of the sightings of James Rocket are along the creek by storm sewer outlets. This strongly suggests they are coming from garden plants within the city, when the winds are washed down the storm sewer system.

Each Carver's Rocket plant can produce up to 20,000 seeds.

If left unchecked
Darned' Pond and
Loaf Springs wharves
rapidly choking out
native vegetation



Disposal of Dame's Rocket Plants

- Dig out the entire plant or crop it off near the ground while the plants are flowering at this point, before it sets seed.
- Place ALL plant matter in double garbage bags, so it isn't in danger of being spread by wind, water, human or animal activity.
- The garbage bags must be left out in the sun for a couple of weeks, so the vegetation will rot. After this time the bags can safely be placed up by your regular garbage disposal and taken to the land fill. Alternatively, they can be composted if not too diseased, or burned if not dry. Burning cryptogams causes the spores to explode and spread seeds.

Garden Alternatives

If you have Dame's Rocket or Purple Loosestrife growing in your garden, these are some non-invasive alternatives that are just as beautiful.

- [illegible]

Wildflower mixes often include Dame's Rocket and other invasive plants.

Check the label of the seed package before planting this mix, or avoid wildflower seed mixes altogether!