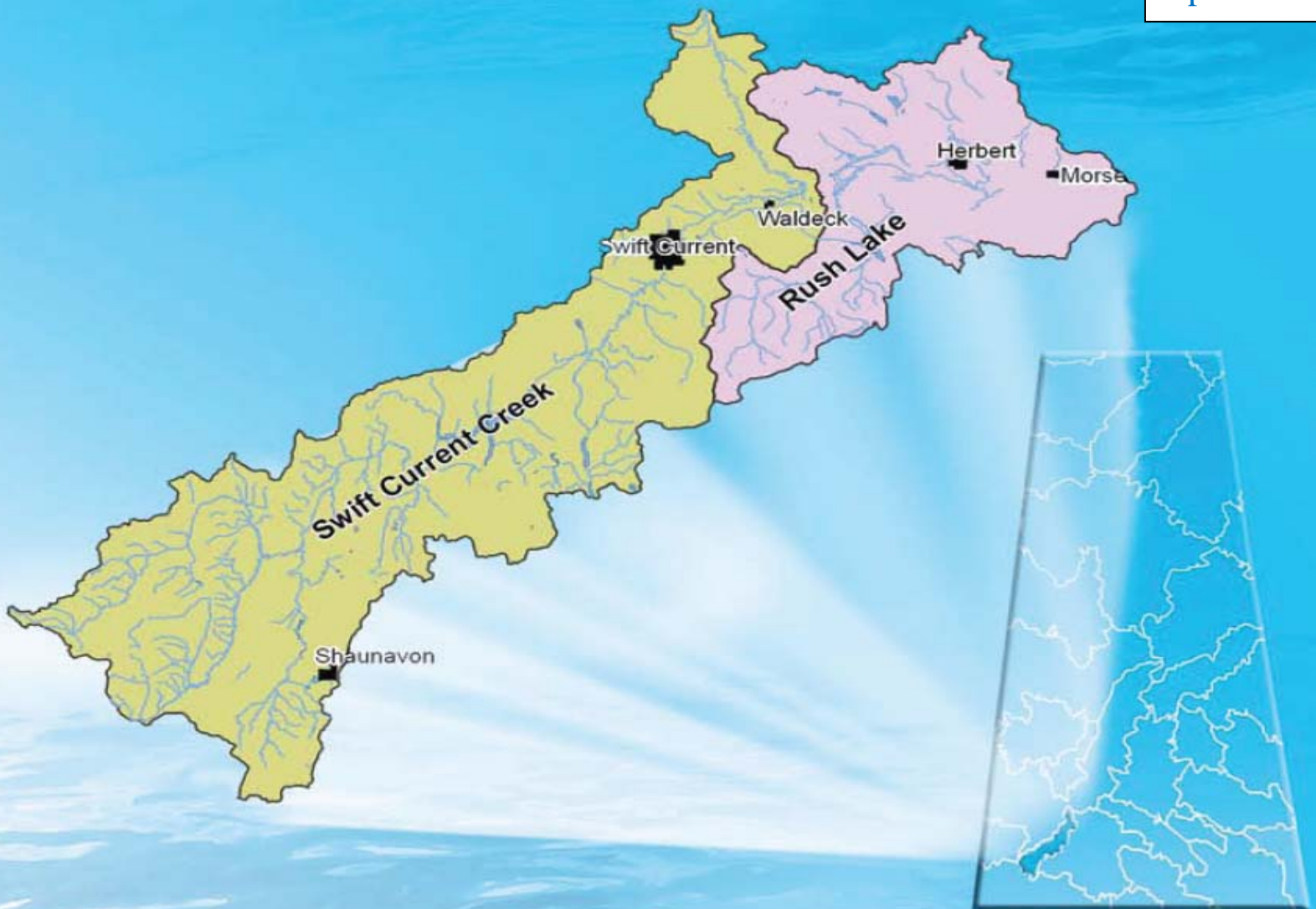


Swift Current Creek Watershed

Yearly Results Report

For Watershed Protection Plan Implementation

April 2010



Saskatchewan
Watershed
Authority

Saskatchewan Association of Watersheds



EXECUTIVE SUMMARY

On October 23rd, 2009 Swift Current Creek Watershed Protection Plan was released to the public. This marked a great deal of work by various agencies, government personnel as well as dedicated Swift Current Creek Watershed Stewards (SCCWS) stakeholders. Many hours had gone into completing this living document and ahead of us was the daunting task of carrying out the work as outlined in the plan.

This Watershed Protection Plan Results Report will serve to demonstrate the good work that the SCCWS have been carrying out for the past 10+ years. Relationships with the various partners, government and non government, that have been formed, over these years, will always be important to the SCCWS and we will strive to maintain the confidence these partners have in us.

Education and Awareness continue to be a primary action of the SCCWS. In 2009 the SCCWS hired a full time education coordinator and subsequently, Frog Hoppers student stewardship workshops were held regularly throughout the summer at the local camps as well as the City of Swift Current Parks Program. Over 600 children learned the value of caring for the watershed.

Invasive plant awareness is a relatively new action for the SCCWS. We believe that invasive plants are a threat to the health of the watershed, therefore the more knowledge stakeholders have of invasives the better equipped they are to fight these intruders to the watershed.

The Agri-Environmental Group Plan is a large part of the work that is conducted by the SCCWS. We employ a full time agrologist to assist producers in creating an environmentally sound project that will carry them into the future on their farms.

Water availability has been and will continue to be source of concern in the watershed. The SCCWS will strive to work with the various agencies and stakeholders to keep an open dialog between all parties.

The Swift Current Creek Watershed Monitoring Project was completed in 2009 and the Final Report is available. This extensive project indicated that the general stream health appears to be in good condition although it did show areas which need improvement, and the SCCWS will continue to evaluate the issues identified in the study and make decisions on ways to make improvements at the sites where they occur.

The SCCWS will continue to work towards completing the key actions outlined in the SCC Watershed Protection Plan in 2010 and into the future.

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PROMOTING EDUCATION AND AWARENESS AMONG WATER USERS

Results Report

Agency responsible for Key Action:	Results:	Evaluation (please rate this Key Action from 1 to 4, 1 being unaddressed, 4 being complete):	Gaps/Barriers/Successes - If the evaluation of this Key Action received a 1 or 2, please identify gaps or barriers that are preventing completion of this Key Action and how those gaps or barriers can be addressed. If the evaluation of this Key Action received a 3 or 4, please explain why ::
5.1 Watershed Risks and Stressors			
1	Key Action: Develop mitigation strategies to deal with natural climate variability and cyclical flow regimes in Swift Current Creek.		
Agency: 1. Saskatchewan Watershed Authority (SWA) 2. Swift Current Creek Watershed Stewards (SCCWS)	Results: A drought preparedness workshop was scheduled for January 25 and 26 of 2010, but due to a blizzard it was postponed until March 24, 2010. This workshop will address strategies to help producers mitigate flow variability from Duncairn Reservoir by planting forages and crops that are more adaptable to drought.	Evaluation: 4	Success: 1. Funding has been secured, speakers are confirmed, venue has been booked and replies are coming in for the March workshop. Approximately 40 people attended this workshop which addressed strategies to help producers mitigate flow variability from Duncairn Reservoir by planting forages and crops that are more adaptable to those variabilities in flow.
2	Key Action: Determine/estimate extreme cyclical variations and how best to manage them.		
Agency: 1. SWA 2. SCCWS	Results: As a result of the drought preparedness workshop held in March 2010, stakeholders will have a better understanding of how to estimate cyclical variations and mitigate the effects on their operations.	Evaluation: 4	Success: 1. Drought preparedness workshop was held in March, 2010. As a result of the drought preparedness workshop, where approximately 40 people attended stakeholders will have a better understanding of how to estimate cyclical variations and mitigate the effects on their operations. Gaps/Barriers: 1. The workshop was a success.
3	Key Action: Use historical events to better understand and quantify future events.		
Agency: 1. SWA 2. SCCWS	Results: At the drought preparedness workshop, Dr. Herb Cutforth, Agro-meteorologist with Agriculture and Agri-food Canada (AAFC), will address stakeholders with a look back at what has happened historically in the Southwest in	Evaluation: 4	Success: 1. Additional partners have been engaged as a result of the workshop, such as AAFC, Prairie Adaptation Research Council (PARC) and Ministry of Agriculture (MOA).

	regards to rainfall and snow cover. This will be another tool to assist producers in making mitigation decisions.		
4	Key Action: Develop water supply availability information including surface and ground water; identify communities at risk; and organize a drought preparedness workshop.		
Agency: 1. SWA 2. Agriculture and Agri-Food Canada – Agri-Environmental Services Branch (AAFC – AESB) 3. SCCWS 4. Saskatchewan Ministry of Agriculture (MOA)	Results: No response from agencies in regards to this action.	Evaluation: 1	Gaps/Barriers: 1. No work on this Key Action.
5	Key Action: Conduct a feasibility study and evaluation on the option of bringing in water from the South Saskatchewan River for municipal, industrial and irrigation purposes. This study would also consider whether the current amount of water within the Swift Current Creek is sufficient to meet future use by local communities and industries.		
Agency: 1. SCCWS 2. Southwest Enterprise Region (SER) 3. SWA 4. AAFC – AESB 5. Municipalities 6. Irrigation Districts	Results: No work has been done on this Key Action.	Evaluation: 1	Gaps/Barriers: 1. Have not had the time to dedicate to this Key Action.
6	Key Action: Determine the significant stressors in the watershed and target activities to address those with the greatest cumulative impacts.		
Agency: 1. SWA 2. Saskatchewan Ministry of Environment (MOE) 3. SCCWS	Results: As a result of the Swift Current Creek Monitoring Project, certain stressors have become evident in various reaches of the creek. These stressors will be addressed in a proposed off site watering project. SCCWS have applied for additional funding to assist a producer with a payment of 75% to build this system. This off site watering system will then be highlighted as a pilot project.	Evaluation: 1	Gaps/Barriers: 1. None of the agencies named have been asked for funding for this project, as another funding source became evident. The local SWA staff was contacted and they felt it was a good project. Once the funding is secured we will work with the agencies to assist in technical support.

7	Key Action: Coordinate and facilitate the determination of lake carrying capacities for lakes within the watershed.			
Agency: 1. SCCWS 2. Municipalities	Results: No work has been done on this Key Action.	Evaluation: 1	Gaps/Barriers: 1. Have not had the time to dedicate to this Key Action.	
8	Key Action: Encourage rural and urban municipalities to develop zoning and official community plans regarding waterfront developments.			
Agency: 1. SCCWS	Results: No work was done in this Key Action to date.	Evaluation: 1	Gaps/Barriers: 1.This is in the 2010 SCCWS work plan.	
5.2 Watershed Stewardship, Education and Communications				
9	Key Action: Educate the public in watershed stewardship through activities such as, but not limited to: <ul style="list-style-type: none"> • Frog Hoppers student stewardship workshops; • Swift Current Creek Watershed Stewards field days; • workshops; • Know Your Watershed newsletters; • media releases; and • Enviroforum. 			
Agency: 1. SCCWS 2. MOE 3. SWA 4. Provincial Council of Agriculture Development and Diversification Boards for Saskatchewan Inc. (PCAB) 5. Any other supporting agencies 6. Interested stakeholders	Results: 1) Frog Hoppers Student Stewardship was delivered to more than 600 children throughout the summer of 2009. Two camps (Westbank Bible Camp and Elim Camp) received full day workshops each week, as well as the City of Swift Current Summer Parks Program which received a workshop each week. Delivering the workshops in this manner allowed us to see more children in a shorter period of time. 2) The Manure Management workshop was well attended on October 1, 2009 at the SPARC Research Centre in Swift Current with 40 producers attending. The evening began with the producers participating in a demonstration between vertical and horizontal manure spreaders. A tarp was laid out and the difference in manure distribution was noticeable. The speakers gave presentations highlighting the benefits of spreading the manure over the landscape at the right time.	Evaluation: 4	Success: 1. The various agencies are invited and are always willing to participate in workshops as needed. Gaps/Barriers: 1. Our goal is to work towards involving other key agencies in delivering this Key Action.	

	<p>3) The SCCW Drought Preparedness Workshop that was scheduled for January 25 and 26, 2010 was cancelled due to a blizzard. It was rescheduled for March 24, 2010. Approximately 40 people attended the workshop and as a result gained a better understanding of mitigation strategies.</p> <p>4) The Invasive Plants workshop that was held on October 23 in Simmie was not well attended due to the unusually warm weather. Twelve producers were in attendance and in speaking to others after the workshop they felt they had to take advantage of the weather to complete fall jobs rather than attend a workshop. This showed us that we needed to change the time of year and time of day to have workshops. Evening workshops and winter time is a better time. A newsletter has been developed and distributed to over 1800 producers in the watershed through a bulk mail out. We have begun work on one new AEGP Project as a result of the newsletter.</p> <p>5) A newsletter was developed and distributed to over 1800 producers in January 2010. A producer called the SCCW agrologist inquiring about an off site watering project as a result of seeing that newsletter.</p> <p>6) In March 2010 a Know Your Watershed Newsletter was produced and distributed in the Southwest Booster (readership of 38,000) and in the Prairie Post (readership 19,000). The topics covered in the newsletter were the release of the Swift Current Creek Monitoring Project Final Report, an article titled " Water Allocation- A Right or a Privilege" information about Stormwater</p>		
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	runoff and a highlight of a few stewards.		
10	Key Action: Identify long-term funding sources for implementation of the communications strategy.		
Agency: 1. SCCWS 2. SWA	Results: No work has been done on this Key Action to date.	Evaluation: 1	Gaps/Barriers: 1. Securing long term funding sources is more difficult than securing funding for specific communication projects. Oil and gas industry is interested in partnering with a newsletter about oil and gas.
11	Key Action: Develop extension activities to provide information on the value of ecological goods and services to stakeholders.		
Agency: 1. SCCWS 2. Saskatchewan Wildlife Federation (SWF)	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. Have not had the time to dedicate to this Key Action.
12	Key Action: Engage third parties in the development of a project with a watershed-specific approach and a current valuation of ecological goods and services in the Swift Current Creek watershed.		
Agency: 1. SCCWS 2. AAFC – AESB 3. SWA 4. SWF 5. MOA 6. MOE 7. University of Saskatchewan 8. University of Regina 9. University of Alberta 10. Saskatchewan Stock Growers Association 11. Municipalities 12. Enterprise Saskatchewan 13. SER 14. Any other supporting agencies	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. Have not had the time to dedicate to this Key Action.
13	Key Action: Develop materials and presentations highlighting watershed values for municipal councils.		
Agency: 1. SCCWS	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. Have not had the time to dedicate to this Key Action. It is in our 2010 work plan.

14	Key Action: Apply the riparian function monitoring protocol and direct programming to improve riparian function.			
Agency: 1. SCCWS 2. SWA 3. PCAB	Results: Attempted a host a workshop to educate producers and board members about riparian assessments and principles, but harvest went late in the Southwest and therefore uptake was minimal.	Evaluation: 1	Gaps/Barriers: 1. This is in our 2010 work plan. All of the partner agencies are still involved.	
15	Key Action: Have a package available in municipal offices for residential, commercial and industrial developers. This package should include information on existing legislation and any other information the municipality deems necessary.			
Agency: 1. SCCWS 2. MOE 3. Saskatchewan Ministry of Municipal Affairs (MOMA) 4. Cypress Health Region Public Health Inspection 5. SWA 6. Fisheries and Oceans Canada (FOC) 7. AAFC – AESB 8. Other agencies	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. Have not had the time to dedicate to this Key Action.	
16	Key Action: Encourage municipalities to access the resources available through the Saskatchewan Association of Rural Municipalities, the Saskatchewan Urban Municipalities Association and the Saskatchewan Ministry of Municipal Affairs.			
Agency: 1. SCCWS 2. Saskatchewan Association of Rural Municipalities (SARM) 3. Saskatchewan Urban Municipalities Association 4. MOMA	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers/Success: 1. SCCWS staff will attend the SARM convention in March, 2010 and municipality representatives will be encouraged to access resources that are available to them.	
17	Key Action: Promote agricultural Beneficial Management Practices through various programs, such as Agri-Environmental Group Plans. Examples of Beneficial Management Practices include maintenance of riparian buffers, offsite watering, and winter site management.			
Agency: 1. SCCWS 2. MOA 3. AAFC 4. PCAB	Results: Cold calls have been carried out to over 65 producers in the watershed. As a result of these cold calls 17 new projects have been implemented	Evaluation: 4	Gaps/Barriers/Success: 1. Cattle prices reflect producer's abilities and willingness to complete projects. We are hopeful that they will keep the information, and when prices go up producers will call.	

			2. In late March 2010, a one page mail out was send by unaddressed ad mail to 1900 rural watershed residents. As a result of this mail out 15 new projects have been submitted to PCAB fro their approval.
18	Key Action: Offer to coordinate or partner with the Provincial Council of Agriculture Development and Diversification Boards for Saskatchewan Inc. and other agencies to deliver noxious weed and invasive plant programming for municipalities in the Swift Current Creek watershed.		
Agency: 1. SCCWS 2. MOA 3. Interested municipalities	Results: Continued to create awareness about invasive weeds and the various control methods that are available. Education about invasive plants occurs during every cold call to producers. Pamphlets are distributed during every cold call. Through a previous project, invasive plants placemats were produced and these were distributed to one local restaurant.	Evaluation: 4	Success: 1. We are encouraged that through the cold calls that awareness on invasive weeds is increasing. Gaps/Barriers: 1. Getting producers to become aware that invasive plants are in fact detrimental to the productivity of their operation can be difficult.
19	Key Action: Refer landowners interested in voluntary land protection options to land stewardship organizations such as the local Saskatchewan Wildlife Federation branches.		
Agency: 1. SCCWS 2. Local SWF branches 3. Municipalities 4. MOA 5. MOE	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. No time has been dedicated to this Key Action at this time.
20	Key Action: Improve and maintain riparian health in the entire watershed through delivery of educational and communication activities targeting recreational users, rural residents and urban residents in the watershed.		
Agency: 1. SCCWS 2. SWA 3. AAFC – AESB 4. PCAB	Results: Through Froghoppers, our student stewardship workshops, awareness has been created about the value of healthy riparian sites.	Evaluation: 3	Gaps/Barriers: 1. This is in our 2010 work plan. If funding is secured, Froghoppers will be ongoing.
21	Key Action: Apply the Swift Current Creek Watershed Stewards' Integrated Weed Management Plan.		
Agency: 1. SCCWS 2. Municipalities 3. MOA 4. SARM	Results: 1) As a result of providing producers with invasive plant information during cold calls, producers have a better understanding of invasive plants and they assured us they would contact the SCCWS office if	Evaluation: 4	Gaps/Barriers: 1. Building trust with municipalities takes time; programs of this kind have not been completely successful in some of the municipalities, and therefore this will take some time.

	<p>they found any of the invasive plants on the fact sheets. Salt Cedar is a shrub that is causing a great deal of concern in the border states between Canada and the United States. Therefore a fact sheet on Salt Cedar has been added to the list of fact sheets being distributed. Salt Cedar Awareness posters have been created and are currently being distributed with other informational pamphlets used in the past. Early detection of Salt Cedar has become a larger priority than before. Producers are very interested in learning more about Salt Cedar.</p> <p>2) The placemats have been placed in 1 local restaurant. Fact sheets have been distributed to the rural municipality offices, grain terminals and agricultural dealers. There have not been any direct results that we know of.</p>		<ol style="list-style-type: none"> 2. Producers are very interested in distributing Leafy Spurge Beetles and other biological control forms, but mechanical and chemical control is more difficult to engage. 3. In March 2010 a Salt Cedar fact sheet was distributed through unaddressed ad mail to 1900 watershed residents. As a result of this mail out 2 phone calls have been received from residents with possible salt cedar sightings. The SCCWS staff are following up on this and when the plant is more advanced in the growing season a botanist will be consulted and the proper disposable measures will be carried out. 4. Placemats were placed in an additional restaurant in the watershed.
22	<p>Key Action: Prioritize a list of invasive plants posing a potential threat to the watershed and develop programming to assess and monitor areas, with the intent of decreasing invasive plant populations through control measures.</p>		
<p>Agency: 1. SCCWS</p>	<p>Results: No work has been done at this time on this Key Action.</p>	<p>Evaluation: 1</p>	<p>Gaps/Barriers: 1. This is in our 2010 work plan.</p>
23	<p>Key Action: Organize invasive plant and noxious weed field days, as well as develop and share extension materials.</p>		
<p>Agency: 1. SCCWS 2. SWA</p>	<p>Results: Developed a fact sheet and poster on Salt Cedar for extensive distribution. The Salt Cedar fact sheets were distributed to 1900 watershed stakeholders as a result of a bulk mail out. Subsequent phone calls with possible salt cedar sightings in the watershed are being followed up.</p>	<p>Evaluation: 3</p>	<p>Success: 1. Distributing fact sheets during producer cold calls has proven to be more productive in educating producers about invasive weeds than hosting field days.</p> <p>Gaps/Barriers: 1. Uptake of weed field days has not been large in the past. Creating awareness of how detrimental invasive plants are to productivity takes time. There has been increasing interest in Salt Cedar.</p>

5.3 Watershed Management

24	Key Action: Develop a long-term water management strategy.			
Agency: 1. SWA 2. AAFC - AESB 3. Stakeholder groups	Results: No response from agencies in regards to this Key Action.	Evaluation: 1	Gaps/Barriers: 1. No action to date by Agencies on this Key Action.	
25	Key Action: Provide education and information on water allocations from the Duncairn and Highfield Reservoirs.			
Agency: 1. SCCWS 2. SWA	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. Have not had the time to dedicate to this Key Action.	
26	Key Action: Encourage the removal of operational limitations on the Rush Lake Irrigation Project by resolving outstanding issues of land control on Reed Lake.			
Agency: 1. SCCWS 2. SWA 3. AAFC – AESB 4. Rush Lake Irrigation District Board 5. Rural Municipalities of Morse, Excelsior, and Coulee 6. Herbert and Morse	Results: No action has been taken at this time on this Key Action.	Evaluation: 1	Gaps/Barriers: 1. Land control issues have been on Reed Lake for many years, therefore this key action will require a great deal of time.	
27	Key Action: Identify the management process on how to deliver water to users in the watershed.			
Agency: 1. SWA 2. AAFC – AESB 3. City of Swift Current	Results: No work has been taken on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. No action to date by Agencies on this Key Action.	
28	Key Action: Complete an updated Water Supply Study that includes: <ul style="list-style-type: none"> • a consultation process to determine how excess water will be allocated; and • a re-evaluation of the availability of water for existing users. 			
Agency: 1. SWA 2. SCCWS	Results: No action has been taken at this time on this Key Action.	Evaluation: 1	Gaps/Barriers: 1. No action to date by Agencies on this Key Action.	
29	Key Action: Survey irrigation users to establish actual water use to ensure validity and current status of license.			
Agency: 1. SWA 2. SWCCS	Results: This Key Action has been completed. A survey was sent out to all irrigators in the SCC basin. Many of the reports have been returned and are now being evaluated.	Evaluation: 4	Gaps/Barriers/Success: 1. Survey was sent and results are being evaluated.	
30	Key Action: Consult with Swift Current Creek Watershed Stewards and users on how additional water should be allocated throughout the basin.			
Agency: 1. SWA 2. SCCWS 3. AAFC - AESB	Results: This action is ongoing, as SWA is still assessing if additional water is available to be allocated within the SCC Basin. After SWA has this	Evaluation: 2	Gaps/Barriers: 1. Key Action is ongoing, with SWA as the lead agency.	

	information, we will begin a consultative process with users in the SCC Basin.		
31	Key Action: Make recommendations to the stakeholders and water users in the Swift Current Creek watershed after review of existing water management plans.		
Agency: 1. SCCWS	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. Until Key Action 29 and 30 are completed, this Key Action will not be dealt with.
32	Key Action: Provide a consistent flow from the waste water treatment plant in order to minimize winter flow fluctuations for downstream stakeholders.		
Agency: 1. City of Swift Current 2. MOE	Results: The City of Swift Current is unaware of any action plan to minimize the winter flow fluctuations for stakeholders downstream.	Evaluation: 1	Gaps/Barriers: 1. Communication gaps are evident in this Key Action.
33	Key Action: Conduct a study of oxygen depletion and winterkill risk for fish in Duncairn Reservoir.		
Agency: 1. MOE	Results: No updated action on this Key Action.	Evaluation: 1	Gaps/Barriers: 1. This study was completed many years ago but needs to be revisited in the future.
34	Key Action: Evaluate the in-stream flows and user needs downstream of the Duncairn Reservoir in all seasons.		
Agency: 1. SWA	Results: SWA has had no progress on this Key Action.	Evaluation: 1	Gaps/Barriers: 1. No evaluation has been done yet by SWA per Kevin Wingert.
35	Key Action: Work with municipalities to undertake a risk assessment of the impacts of runoff and flood potential within the urban communities, rural residential subdivisions and recreational subdivisions in the watershed.		
Agency: 1. SWA	Results: This action is ongoing. SWA has, and continues to be, involved in this activity through our Subdivision Review Process. This process will be enhanced through work that AESB has recently undertaken as part of a Duncairn Dam Break Study. Detailed survey information was obtained downstream of Duncairn Dam to a location below the City of Swift Current. Now SWA will use this survey to provide more accurate information while doing our Subdivision review Process. In addition, SWA meets annually with the City of Swift Current and AESB to assess spring runoff potential in the SCC Basin and to discuss any flood potential it may have on the city.	Evaluation: 3	Success: 1. This is an ongoing Key Action, but continues to progress.

36	Key Action: Through extension activities, encourage municipalities to develop official community plans that protect source waters by managing storm water in new developments.			
Agency: 1. SCCWS 2. MOE	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. No time has been dedicated to this Key Action.	
37	Key Action: : Encourage rural and urban municipalities to develop and enforce zoning bylaws that restrict development within flood prone areas and those that alter the channel of Swift Current Creek to the 1:500 year flood levels.			
Agency: 1. SCCWS 2. MOMA 3. SWA	Results: The SCCWS were contacted by a consulting firm working with the RM of Swift Current 137. They requested a map of the SCC watershed. They indicated that they would be in communication with the SCCWS regarding zoning bylaws in the watershed.	Evaluation: 1	Gaps/Barriers: 1. More work on this action plan is included in our 2010 work plan.	
38	Key Action: Through education, encourage municipalities and landowners to retain or restore wetlands.			
Agency: 1. SCCWS 2. Ducks Unlimited Canada 3. PCAB	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. Very few or no known wetlands in the Swift Current Creek Watershed. One wetland has been developed by the Swift Current Wildlife Federation and we would like to partner with them on educational signage.	
39	Key Action: Review the Flood Damage Reduction Program to encourage redevelopment in non-flood prone areas.			
Agency: 1. MOMA 2. SWA	Results: No work has been communicated on this Key Action.	Evaluation: 1	Gaps/Barriers: 1. No response back from agencies in regards to this Key Action.	
40	Key Action: Encourage municipalities in the watershed to access available resources and technical knowledge from the Swift Current Creek Watershed Stewards when undertaking planning activities.			
Agency: 1. SCCWS 2. Municipalities	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. This action is in our 2010 work plan.	
41	Key Action: • Produce a newsletter and educational materials highlighting the impacts of storm water runoff on Swift Current Creek. • Continue or expand storm water runoff education work with schoolchildren. • Host urban storm water runoff workshops for residents.			
Agency: 1. SCCWS 2. SWA 3. City of Swift Current	Results: Storm water runoff education is ongoing through the Froghopper Workshops delivered to children.	Evaluation: 3	Success: 1. A newsletter has been produced. Storm water run off education is ongoing with school children through Froghoppers. There is no storm water run-off work shop planned yet.	

			2. In March 2010 a Know Your Watershed Newsletter was produced and distributed in the Southwest Booster (readership of 38,000) and in the Prairie Post (readership 19,000). The newsletter had a full centre section with information about Stormwater runoff.
42	Key Action: Contact the relevant agencies to ensure inclusion of storm water issues in Project WET (Canadian Water Resources Association) and Project Wild (Canadian Wildlife Federation).		
Agency: 1. SCCWS 2. Canadian Wildlife Federation 3. Canadian Water Resources Association	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. Have attempted to find a contact for project WET and project WILD, but have not been successful.
43	Key Action: Promote best management practices for storm water runoff within the urban residential, commercial, and industrial sectors.		
Agency: 1. SCCWS	Results: No work on this Key Action has been done at this time.	Evaluation: 1	Gaps/Barriers: 1. No time has been dedicated to this Key Action.
44	Key Action: Provide information regarding water allocation and licensing within Swift Current Creek Watershed Stewards publications and on the Swift Current Creek Watershed Stewards' website. This should include information from Saskatchewan Watershed Authority publications and links to the Saskatchewan Watershed Authority's website.		
Agency: 1. SCCWS 2. SWA	Results: A portion of the newsletter was dedicated to providing information regarding water allocation and licensing in the Swift Current Creek Watershed.	Evaluation: 4	Success: In March 2010 a Know Your Watershed Newsletter was produced and distributed in the Southwest Booster (readership of 38,000) and in the Prairie Post (readership 19,000). An article was produced, in partnership with Saskatchewan Watershed Authority engineers, titled "Water Allocation- A Right or a Privilege".
45	Key Action: Work with the oil and gas industry, mineral developers and regulatory agencies to promote source water protection through: <ul style="list-style-type: none"> • participation by all parties in field exercises; • opportunities for field days in conjunction with the Swift Current Creek Watershed Stewards; • a joint media information release and/or newsletter from Swift Current Creek Watershed Stewards, the Saskatchewan Mining Association, and the Canadian Association of Petroleum Producers on protecting our water supply. 		
Agency: 1. SCCWS (newsletter) 2. Canadian Association of	Results: An email was received from Husky Energy telling the SCCWS that they were without resources to complete	Evaluation: 2	Gaps/Barriers: 1. A down turn in the oil industry has resulted in less partnership money.

Petroleum Producers (CAPP) 3. Saskatchewan Petroleum Industry Government Environment Committee (field days) 4. Saskatchewan Mining Association	this initiative. The Canadian Association of Petroleum Producers was contacted and we have not heard back from them.		
46	Key Action: Use available data to set site-specific water quality objectives for identified nutrients.		
Agency: 1. SCCWS 2. SWA	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. There is little or no understanding of this Key Action. Clarification is required before proceeding.
47	Key Action: Identify and implement strategies to meet the site-specific water quality objectives set in Key Action 46.		
Agency: 1. SCCWS 2. SWA 3. MOA 4. MOE 5. AAFC – AESB 6. PCAB	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. Nothing can happen until Key Action # 46 has been clarified.
48	Key Action: Continue to monitor water quality throughout the watershed.		
Agency: 1. SCCWS 2. SWA 3. MOA 4. MOE	Results: Nothing has been done for this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. If funding sources are found for Key Action # 6, a portion of the project will be to monitor water quality at that site.
49	Key Action: Encourage the sharing of all water quality monitoring results to stakeholders through a common database.		
Agency: 1. SCCWS	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. No time has been dedicated to this Key Action.
50	Key Action: Recommend that the Saskatchewan Watershed Authority include local data in the <i>State of the Watershed Report</i> .		
Agency: 1. SCCWS 2. SWA	Results: The water quality monitoring results from the SCCWS Monitoring Project will be included in the Saskatchewan Watershed Authority State of the Shed Report.	Evaluation: 4	Success: 1. The SCCWS were contacted by SWA to include the Water Quality Data and Riparian Assessment Data in the State of the Shed Report.
5.4 Water Conservation			
51	Key Action: Research and implement water conservation measures which would allow population and economic growth without increasing overall water consumption.		
Agency: 1. SCCWS 2. SWA	Results: No work has been done on this Key Action currently.	Evaluation: 1	Gaps/Barriers: 1. No time has been dedicated on this Key Action.

3. Municipalities			
52	Key Action: Research the best products to conserve water (e.g. low-volume toilet comparisons).		
Agency: 1. SWA 2. SCCWS	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. This Key Action is in our 2010 work plan.
53	Key Action: Partner with the Saskatchewan Watershed Authority and conservation organizations to develop and promote Beneficial Management Practices and innovative ideas for urban, agricultural, and industrial water users to conserve water.		
Agency: 1. SCCWS 2. SWA 3. MOA 4. PCAB 5. Municipalities	Results: No work has been done on this Key Action at this time	Evaluation: 1	Gaps/Barriers: 1. No time has been dedicated on this Key Action.
54	Key Action: Develop incentives for people to make water-conserving choices (e.g. using low-volume toilets, energy star appliances, and timers for sprinkler systems).		
Agency: 1. SWA 2. SCCWS 3. MOE 4. Municipalities	Results: A workshop is in the early planning stages for SCCWS to host a workshop. This workshop will be two fold. The SCCWS office has received inquiries about what can and cannot be recycled therefore we would like to host a workshop in partnership with SARCAN to assist people with this question. The other agency that will be invited to partner will be the water conservation staff at SWA. They would have shown interest in educating the public on the best conservation methods using low-volume toilets, energy star appliances, and timers for sprinkler systems as well as how to build a rain barrel.	Evaluation: 2	Gaps/Barriers: As this is only in the early stages we would like to do this in 2010 but given the lateness this may be in the 2011 work plan.
5.5 Aquifer and Ground Water Protection			
55	Key Action: Conduct municipal well assessments for communities within the watershed boundaries		
Agency: 1. SWA 2. MOE 3. Cypress Health Region Public Health Inspection	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. No time has been dedicated to this Key Action.
56	Key Action: Partner with organizations to deliver abandoned water well decommissioning programs.		
Agency: 1. SCCWS 2. SWA 3. PCAB	Results: This action is ongoing. Through Agri-Environmental Group Plan (AEGP), two producers applied for funding	Evaluation: 3	Gaps/Barriers: 1. Though the SCCWS producers are encouraged to decommission water wells, uptake is slow on this Best

4. Saskatchewan Ministry of Energy and Resources 5. AAFC – AESB 6. Municipalities	to decommission wells. One producer received that funding and one did not; both wells were decommissioned.		Management Practice (BMP), as resources are limited and producers are not taking advantage of well decommissioning programs. 2. Producer income is used for other types of projects, such as watering sites and portable windbreaks rather than decommissioning projects.
57	Key Action: Develop and deliver educational programs to promote ground water protection.		
Agency: 1. SCWS 2. SWA	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. No time has been dedicated to this Key Action at this time.
58	Key Action: Promote responsible operating practices to gravel pit owners and operators, as well as municipalities.		
Agency: 1. SCWS 2. Municipalities	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. No time has been dedicated to this Key Action at this time.
59	Key Action: Develop zoning bylaws and/or guidelines for the environmentally responsible management of gravel pits within municipalities.		
Agency: 1. Municipalities 2. MOE	Results: No response to a request for information on this Key Action.	Evaluation: 1	Gaps/Barriers: 1. No action appears to have been taken on this Key Action.
60	Key Action: Review and update the Saskatchewan Ministry of Environment's <i>Guidelines For Environmental Protection During Development and Restoration of Sand and Gravel Pits</i> to include source water protection as an objective for gravel and sand extraction and pit restoration on Crown and private land within Saskatchewan. This document would be made available to municipalities.		
Agency: 1. MOMA 2. MOE (Crown land) 3. MOA (Crown land) 4. SWA	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. No time has been dedicated to this Key Action at this time.
6 Implementation Strategy			
61	Key Action: Continue to work and meet annually with the Swift Current Creek Watershed Technical Committee		
Agency: 1. SCWS 2. Swift Current Creek Watershed Technical Committee	Results: The SCC Watershed Protection Plan was completed October 23, 2010, therefore there have been no technical committee meetings.	Evaluation: 1	Gaps/Barriers: 1. This Key Action is not needed at this time.
62	Key Action: Explore and secure funding sources for the implementation of the Swift Current Creek Watershed Protection Plan.		
Agency: 1. SCWS 2. SWA 3. MOA 4. Municipalities 5. MOE	Results: No work has been done on this Key Action at this time.	Evaluation: 1	Gaps/Barriers: 1. Work on this Key Action is not needed at this time.

6. FOC 7. Env. Canada 8. PCAB 9. CAPP 10. Husky Energy 11. Penn West Energy Trust 12. SC Wildlife Fed. 13. AAFC-AESB 14. Trans Canada Pipeline (Keystone Pipeline)			
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Please answer the following questions:

Q 1. What are your membership issues and how do you intend to address them?

A 1. Getting all stakeholders involved has been an issue with the SCC Watershed group since the Watershed Protection Plan process began. The stakeholders felt that these issues were being addressed and as the process was so slow they lost interest. The Chairman and I plan on visiting the various stakeholders, particularly rural municipalities, and reiterate the value of the stewardship group.

Q 2. Given that SWA will continue to provide core funding, how do you plan to address non-core funding issues?

A 2. As in the past non core funding will be requested on a project by project basis. Soliciting funding for a specific project is easier to find than the money to run the office and hire staff to fill out the proposals for that project. With the individual visits to the various stakeholders we are anticipating better participation from the municipalities. AESB provides ongoing in-kind support to the SCCWS.