



Soils and Crops 2010 Workshop February 24, 2010





Growing Forward Environment Chapter



Growing Forward

Environmental Farm Plan (EFP) process

- 2 workshops – In some cases 1 workshop
- Peer Review
- Certificate of Endorsement
- confidential/anonymous

10,959 approved individual EFPs

- 40% of producers – over \$50,000 gross receipts



Growing Forward

AEGP – Agricultural Environmental Group Plan

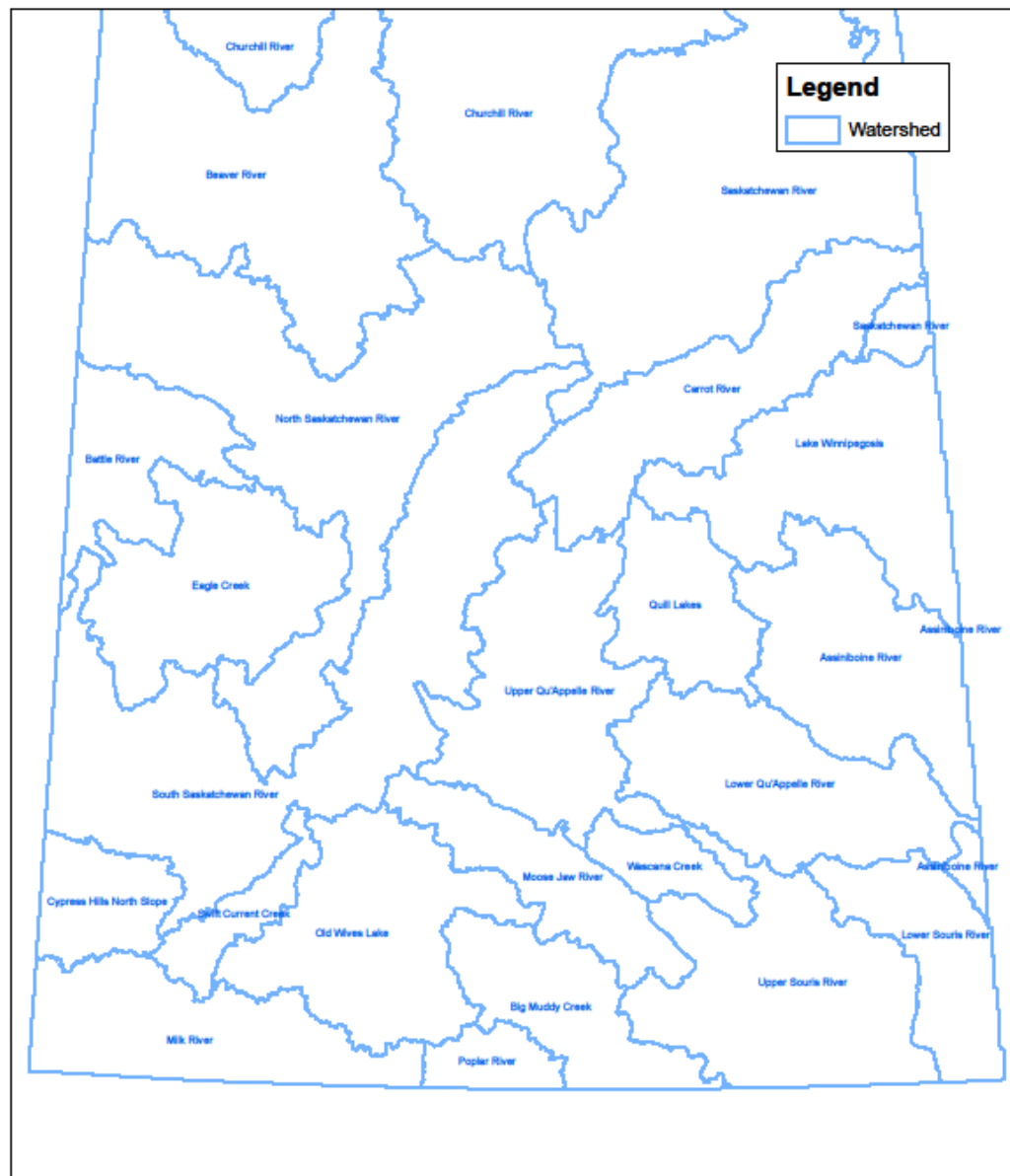
- Focus on a group plan(s)
- Producer lead
- Technical assistance
- Targeted area(s) and/or action(s)

17 Groups in the Province

SARM – Invasive Species Group Plan



Watersheds



Saskatchewan
Ministry of
Agriculture

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0 25 50 100 150 200
Kilometers

Projection: UTM Zone 13 Datum: NAD83

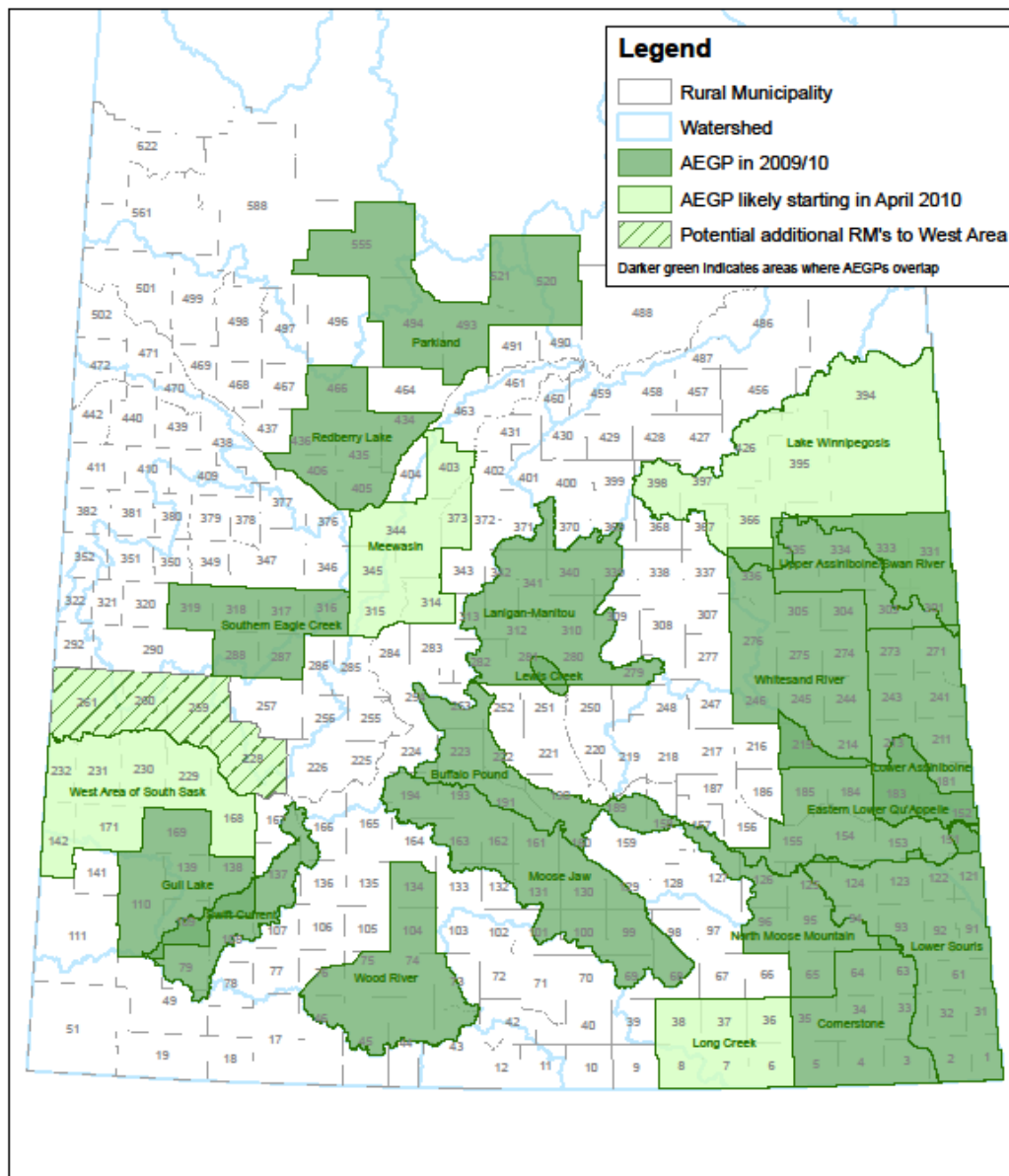


Data sources:
Watersheds - Saskatchewan Watershed Authority

Prepared by: Geomatics Services Date: October 9, 2009



AEGP Boundaries - 2009/10



Saskatchewan
Ministry of
Agriculture

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0 20 40 80 120 160
Kilometers

Projection: UTM Zone 13 Datum: NAD83



Data sources:
AEGP Boundaries - Agri-Environmental Group Watershed Plans
Watersheds - Saskatchewan Watershed Authority

Prepared by: Geomatics Services Date: October 7, 2009





Growing Forward

- Farm Stewardship Program (FSP)
 - Beneficial Management Practice (BMP)
 - \$50,000 cap per individual
 - \$32 million over 4 years - \$8 million per year



Growing Forward

Third party contract:

- PCAB (Provincial Council of ADD Boards):
 - Delivers the EFP and FSP for the Saskatchewan Ministry of Agriculture (SMA)
- AEGP – Source water protection (SWP)
- SARM– RMs
- First Nations



Growing Forward

- PCAB – applications and claims
www.saskpcab.com
- Role of Program Rep
- Need for technical assistance from Agrologists – EFP and AEGP



BMPs

- Prior Approval
- Cost shares have been varied to reflect public vs private benefit
- BMP Guide – PCAB website
 - www.saskpcab.com
 - saskpcab.com/wp/wp-content/uploads/2009/12/GUIDE_final_20091218.pdf
- purchase vs landscape



BMPs

- Improved Livestock Site Management
- Improved Manure Management
- Improved Land Management
- Water Well Management
- Improved Product Storage & Waste Management
- Improved Pest Management
- Improved Irrigation Management
- Improved Cropping Systems



BMPs

Improved Livestock Site Management

Objective: Assist producers in reducing the risks of contaminating ground and surface water from livestock waste.

- \$2,897,740 (as of February 17, 2010)





BMPs

Improved Livestock Site Management

- Relocation of Livestock Confinement Facilities - \$249,678
- Fencing to protect the environment - \$1,282,431
- Fencing to prevent damage by wildlife - \$37,563
- Utilizing portable windbreaks and shelters - \$816,448
- Remote watering systems - \$485,095
- Farmyard runoff control - \$26,525



BMPs

Improved Manure Management

Objective: Assist producers in minimizing the high risks of nutrient loss to the environment associated with manure storage and use.

- \$126,977





BMPs

Improved Manure Management

- Manure storage improvement - \$84,807
- Manure storage increases - \$nil
- Manure application equipment and technologies - \$42,170
- Manure nutrient planning - \$nil





BMPs

Improved Land Management

Objective: Assist producers to alter practices to improve ecosystem function (air, soil, water, biodiversity).

- \$874,922





BMPs

Improved Land Management

- Modifying and re-vegetating waterways – \$12,396
- Planting vegetation to protect riparian areas - \$166,363
- Improving stream and creek crossings - \$18,272
- Protecting marginal high risk soils - \$675,567
- Shelterbelt establishment - \$2,324





BMPs

Water Well Management

Objective: Provide producers with assistance in protecting ground water supplies through proper management of existing wells and decommissioning or sealing abandoned wells.

- \$129,463





BMPs

Water Well Management

- Decommissioning (Sealing) abandoned wells – \$123,629
- Protecting existing wells - \$5,834





BMPs

Improved Product Storage & Waste Management

Objective: Provide producers with assistance in improving the handling, storage and disposal of farm products and waste materials.

- \$370,104





BMPs

Improved Product Storage & Waste Management

- Agricultural product's safe storage and handling – \$370,104
- Agricultural waste's safe storage and handling - \$nil





BMPs

Improved Pest Management

Objective: Minimize the potentially harmful effects of pesticide application through the use of planning, pest monitoring, spray drift reduction technology and promote biological and cultural pest control methods.

- \$249,873





BMPs

Improved Pest Management

- Pesticide application systems (Drift reduction technology) - \$201,339
- Information collection and monitoring - \$11,950
- Integrated pest management for insect, vertebrate and non-vertebrate pests - \$nil
- Integrated pest management for invasive plants - \$1,100
- Native plant re-establishment - \$26,541
- Integrated pest management planning - \$8,943



BMPs

Improved Irrigation Management

Objective: Provide producers with assistance to improve irrigation efficiency and lessen impact of irrigation on the environment by developing well thought out plans and upgrading irrigation equipment.

- \$37,842





BMPs

Improved Irrigation Management

- Irrigation equipment modification - \$37,067
- Irrigation management planning - \$775





BMPs

Improved Cropping Systems

Objective: Promote farm practices that reduce soil disturbance before and during seeding, and improve application of fertilizers and pesticides.

- \$2,860,815





BMPs

Improved Cropping Systems

- Low disturbance placement of seed and fertilizer - \$591,562
- Chaff collectors and chaff spreaders - \$140,625
- Precision farming applications (GPS) - \$2,128,628





Statistics

BMP	EFP	AEGP	%
L/S Site Mgmt	\$1,530,170	\$1,367,568	38.4%
Manure Mgmt	\$97,258	\$29,718	1.7%
Land Mgmt	\$365,332	\$509,589	11.6%
Well Mgmt	\$45,799	\$83,664	1.7%
Waste Mgmt	\$370,104	nil	4.9%
Pest Mgmt	\$249,872	nil	3.3%
Irrigation Mgmt	\$37,842	nil	.5%
Cropping Sys	\$2,860,814	nil	37.9%
Total	\$5,557,191	\$1,990,539	100%





Statistics

BMPs	\$'s	%
Landscape	\$3,932,367	52.1
Purchase	\$3,615,363	47.9
Total	\$7,547,730	100



Questions?

Dave Gabruch PAg
Environmental Programs
Regional Services Branch
Ministry of Agriculture
3830 Thatcher Ave
Saskatoon SK S7K 2H6
306.933.7682
Dave.Gabruch@gov.sk.ca

