

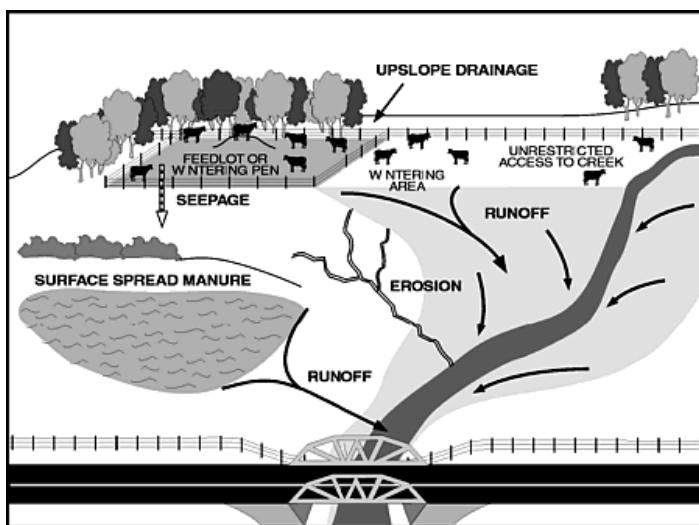
WUQWATR AEGP NEWS

Spring 2016

Relocating Livestock Facilities for Environmental Purposes

Many homesteads were originally established near sources of water for easy access. Over the years, public awareness and scientific understanding of the potential risks to water from livestock operations has increased.

Unless properly managed, nutrients, organic material and microorganisms from cattle operations can pollute surface water. Phosphorous from manure can stimulate plant and algae growth leading to algae blooms which can poison cattle. Manure transported to surface water by runoff can cause tastes and odours in water and lead to contamination by microorganisms & parasites. As demonstrated in the figure below, manure can enter waterways in a number of ways including; spring runoff through wintering sites or from fields with freshly spread manure, seepage from livestock facilities into the water table and by allowing cattle direct access to surface water.



[http://www1.agric.gov.ab.ca/\\$department/deptdocs.nsf/all/beef11754](http://www1.agric.gov.ab.ca/$department/deptdocs.nsf/all/beef11754)

Poor water quality can affect both total water consumption and the general health of livestock. Livestock can tolerate poor water quality better than humans; but if the concentration of certain compounds become high enough, livestock can be affected. Even though livestock

may not show any clinical signs of illness, growth, lactation, and reproduction can all be affected, causing an economic loss to the producer.

Research indicates that livestock provided with high quality drinking water are less susceptible to disease, drink more, eat more and ultimately gain weight more quickly than livestock drinking from lower quality water sources.

Relocation of Livestock Confinement Facilities BMP

This BMP is designed to protect/improve ground and surface water quality by relocating livestock confinement facilities away from water sources. Funding is available through the Farm Stewardship Program to assist producers with up to 60% of costs associated with the relocation of livestock facilities to a maximum of \$50,000.

Eligible costs include; consultation with a consultant or professional engineer, materials and labour associated with relocating existing or purchasing new permanent infrastructure (corals, fencing, buildings, concrete, water infrastructure, earthwork), equipment use and site remediation & decommissioning.

How to Apply

Applicants must submit a pre-approval application prior to commencing their project. A Relocation of Livestock Confinement Worksheet must be included at the time of application. Upon receiving your application, a mandatory pre-site inspection will be arranged with a Ministry of Agriculture Livestock Engineer. The site inspection provides a preliminary assessment of environmental risk and mitigations required.

To find out if you may be eligible for funding or for assistance with your application please contact the Wascana-Upper Qu'Appelle AEGP at (306)529-5125 or email: folly@wuqwatr.ca.

Funding Options Available Through Growing Forward 2

Farm Stewardship BMPs	Cost-shared amounts
Relocation of Livestock Confinement Facilities *	60% up to \$50,000
Fencing to Protect Surface Water	50% up to \$10,000
Farmyard Run-off Control*	50% up to \$30,000
Riparian Area Grazing Management and Fencing*	50% up to \$10,000
Native Rangeland Grazing Management *	50% up to \$10,000
Carcass Disposal Planning	75% up to \$30,000
Stream and Creek Crossing*	50% up to \$20,000
Protecting High Risk Erodible and Saline Soils*	50% up to \$10,000
Natural Waterway Erosion Control*	75% up to \$30,000
Water Flow and Erosion Control Management*	50% up to \$20,000
Native Plant Establishment	75% up to \$10,000
Variable Fertilizer Equipment	30% up to \$5,000
Variable Rate Mapping	30% up to \$2,000
Irrigation Management Planning	50% up to \$2,000
Irrigation Equipment Modification*	30% up to \$50,000
Variable Rate Irrigation Technology*	30% up to \$15,000
Used Oil Storage	50% up to \$2,000
Shelterbelt Establishment	\$1,200/mile up to \$5,000
Manure Storage Enhancement*	30% up to \$50,000
Manure Application Equipment and Technologies	30% up to \$30,000
Weather Data Collection and Monitoring	50% up to \$1,000
Plastic Grain Bag Roller	50% up to \$5,000
Environmental Solutions *	20-50% up to \$50,000
Multi-producer Erosion Control*	Please contact AEGP 306-946-6533
FRWIP BMPs	
Small and Large Diameter Wells	50% up to \$60,000 for all BMPs combined
Shallow Buried Pasture Pipelines	50% up to \$60,000 for all BMPs combined
Deep Buried Pipelines	50% up to \$60,000 for all BMPs combined
Dugouts and Dugout Expansions	50% up to \$60,000 for all BMPs combined
Relocation of Existing Livestock Watering Systems for Environmental Purposes	50% up to \$60,000 for all BMPs combined
Protecting Existing Wells	50% up to \$60,000 for all BMPs combined
Decommissioning Wells	90% up to \$10,000 per well

For more information on all funding options through Growing Forward 2 please visit:
www.saskatchewan.ca/growingforward2 or call (306) 529-5125 (email: folly@wuqwatr.ca)