

BMP: Managing Livestock Access to Riparian Areas (503)

Effective management of both surface and ground water sources used for livestock production is essential for ensuring the health and longevity of both the livestock and their pastures.

The AMCP can assist with restricting direct access to surface water to help minimize the impact livestock have on surface water quality and the riparian zone with this BMP.

Surface water can be contaminated and riparian areas damaged when livestock have unrestricted access. Properly functioning and adequately protected ground and surface water sources are essential to ensuring the health of livestock and ground water sources.

Requirements for eligibility

Participating community pastures must have a valid Statement of Completion certificate for an Environmental Farm Plan (EFP).

Cost share ratio and funding cap

There is a cost share ratio of 50:50 and a funding cap of \$10,000 per application. Applicants may submit more than one application.

Eligible costs

- Water source development - **Wells**
 - drilling new or deepening existing wells, test hole drilling, screening, casing, well caps etc.
 - water pumps and required plumbing components
 - professional and contractor fees
- Water source development - **Dugouts**
 - constructing new or rehabilitating existing dugouts, test hole drilling, etc.
 - professional and contractor fees

- Alternative watering system equipment
 - solar, wind or grid powered systems
 - associated components and installation costs
 - Permanent fencing to restrict livestock access to surface water and dugouts
 - construction materials
 - associated components and installation costs
 - Permanent pipeline development
 - pipe, plumbing materials, trenching, earthworks, etc.
 - professional and contractor fees
 - Watering system components*
 - watering bowls, troughs or storage tanks
 - Personal labour (\$25 per hour) and personal equipment use (at set program rates outlined in the **Farm Machinery Custom and Rental Rate Guide**)
- * Eligible as a part of a water source development project; items are not eligible as a stand-alone.

Ineligible costs

- maintenance and operation expenses
- perimeter fencing for upland grazing management
- expenses related to removing or replacing existing fences or water infrastructure, such as storage tanks or water troughs
- portable livestock corral panels
- portable gas/diesel powered water pumps, generators, water meters
- materials and construction costs for pump houses
- aeration systems for dugouts, etc.
- shallow or above ground pipelines (e.g., pipelines that are above the frost line)
- hauling or pumping of water to fill empty dugouts
- temporary set up of watering systems

Notes

- Watershed districts may offer complimentary programs such as abandoned well sealing and alternative watering systems. Please contact your local watershed district for more information.
- This BMP is not intended for yard site development.
- Wells must be drilled by a licensed well driller.
- Wells must be located at least 100 metres away from confined livestock areas.
- Exclusion fencing around dugout is mandatory (no direct watering from dugout).
- Eligible costs must be for permanent solutions only.
- Applicants must meet all regulatory requirements. This may include:
 - a Water Rights Licence from province of Manitoba (required for all livestock operations extracting more than 25,000 litres (25 cubic metres or 5,499 Imperial gallons) per day). If developing a new water source for such an operation, a permit must be obtained prior to the commencement of development.
 - approvals from the rural municipality or Crown.
 - any other standards or approvals as required by law.

BMP specific questions

The following information will be required in the application:

- For riparian projects: What type and number of livestock will be excluded from surface water?
- For riparian projects: How will you manage the riparian vegetation (if present)?
- How far is the proposed fence from the water source (well, dugout or riparian area)? Are all dugouts fenced? Please include a map that clearly shows the waterbody and proposed fence.

- How will you manage the riparian vegetation (if present)?
- What are you going to use for a water source and system? What is the location and capacity of the new water source and fence lines?
- You must include a diagram or aerial photograph that explains what your project will include. Be sure that your diagram(s):
 - identifies the location of all wells, surface water bodies/water courses and any additional sources of water, and indicates the distance between all farm structures and identified sources of water
 - clearly shows the waterbody and proposed fence line
 - identifies the location of all relevant farm structures: buildings, fuel tanks, livestock facilities, fence lines, manure storages, pesticide storages, utilities (telephone, power, gas), roads, trails, field and pasture layouts, including fences and watering systems for livestock, etc.
 - shows direction of overland flow/runoff (i.e., slope) and drainage features (e.g., berms, collection basins, ditches, etc.)
- Photos can also be very helpful. If you have pictures of the project area, please include them.
- Have you included at least one official quote for contracted items (e.g., engineering, earthworks, building erection, etc.), with all specifications, materials and labour itemized in the budget section?

Reference materials

For more guidance in developing your application, visit:

- The province of Manitoba: **The Role and Importance of Riparian Areas in Manitoba**
- The province of Manitoba: **Permits, Licences and Approvals** (Water Use Licensing)
- **Watershed Districts**
- **Manitoba Association of Watersheds**

Application Assessment

Project proposals for Assurance: Beneficial Management Practices will be assessed according to three main criteria:

1. Environmental Benefit Assessment Index: The level to which the project addresses environment risk is determined using an environmental benefit assessment index (EBAI). The EBAI generates a rating of the environmental benefits that a specific land use change or other environmental practice (your project) would incur. Environmental benefit categories included in the program's index are weighted to appropriately stress the objectives of the program and take into account items such as water, air, soil nutrients and biodiversity.

2. Provincial Program Priorities: Agriculture sustainability should promote a profitable and competitive agricultural sector, while reducing the

impact of agricultural activities on the environment. Benefits include the potential for farms to reduce the risk of nutrient loss to water, mitigate and adapt to climate change, and increase the level of carbon stored in the soil. Adoption of on-farm strategies that improve environmental stewardship can assist in mitigating potential nuisance complaints and enhance public trust of farming operations.

3. Project Planning: Project planning proposals are scored on their ability to clearly show that the project design will result in the intended outcome. Projects must be adequately designed and applications must clearly identify locations, steps, process and intent, especially with respect to environmental benefit.

The costs must be properly itemized, specific and realistic. Projects should alleviate risks identified in the applicant's Environmental Farm Plan workbook.



Ag Action Manitoba for Industry Service Providers PROGRAM APPLICATION FOR ASSURANCE: BENEFICIAL MANAGEMENT PRACTICES

503 – Managing Livestock Access to Riparian Areas

Program applicant information will be collected under the authority of Section 36(1)(b) of The Freedom of Information and Protection of Privacy Act (FIPPA) as the information relates directly to, and is necessary for the Canadian Agricultural Partnership (CAP). As a program applicant, your personal information will be used and disclosed to assess and review your eligibility for the CAP program, to contact for further information or to communicate future programming. Personal information is protected by the protection of privacy provisions of FIPPA. If you have any questions about the collection, use or disclosure of personal information, contact: Access and Privacy Co-ordinator, Manitoba Agriculture and Resource Development at 204-945-0913.

SECTION 1: APPLICANT INFORMATION			
Last Name	First Name	Initial	
Name of Community Pasture		Role/Position with Organization	
Do You Self Identify as Indigenous?		<input type="radio"/> YES	<input type="radio"/> NO
Business or Organization Type	Choose an Item		
Mailing Address (Street and/or Postal Box Address)		Village/Town/City	
Project Location		Postal Code	Province
Choose an Item			Choose an Item
Email Address			Phone Number

Have you received assistance from Manitoba Agriculture and Resource Development for a same or similar initiative? If Yes, describe below (maximum 750 characters)

Manitoba Premises Number	If a number is not yet assigned, and you have livestock, please click here
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Legal name(s) and/or legal name(s) of partners and/or principal shareholders (owning 10% or more company shares) of the applicant. Identify Signing Officers of the Business/Organization (if applicable). If any partner is a current government employee or a current or former elected official, they must be identified below. If necessary, attach an additional sheet to application.

Legal Name and Position (if applicable)	% of Shares/ Ownership
	0.00%
	0.00%
	0.00%
	0.00%
	0.00%

SECTION 2: PROPOSED PROJECT OVERVIEW

1. Statement of Completion (SOC): Completion of the Environmental Farm Plan (EFP) is required to be eligible for agri-environmental cost-share programming.

Do you have a valid Statement of Completion (SOC)? If YES, answer the information below	<input type="radio"/> YES	<input type="radio"/> NO
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2. Commodity: Indicate the commodity that is the primary focus of the community pasture

Choose and Item	If other is selected, please describe below

3. Land Use

Number of acres managed (include the entire community pasture)	
Number of acres that will be affected by this project	

4. Livestock Inventory Table		
Livestock Type	Total Number of Livestock Currently Managed (include entire community pasture)	Number of Livestock Affected by Project
Beef		
Bulls		
Beef cows, including associated livestock		
Backgrounder		
Summer Pasture/ Replacement Heifers		
Feeder Cattle		
Dairy		
Heifers (>13 months)		
Horse		
Mares, including associated livestock		
Other: please list		
1.		
2.		
3.		

5. Project Location: Provide the legal land description and municipality where the project will take place. For projects with multiple sites be sure to include all applicable land.

Municipality	Watershed District	Legal Land Description	Location Explanation
Choose an Item			
Choose an Item			
Choose an Item			
Choose an Item			

6. Risk Assessment: Refer to Section C in your Environmental Farm Plan. The BMP category applied for must address an environmental risk that you have identified in your EFP workbook.

Workbook Section e.g. B16	Question Number e.g. #5	Area of Concern Identified in Farm Plan (e.g. Livestock access to riparian areas)	BMP Practice Identified in Farm Plan (e.g. Riparian Area Management - exclusion fencing)

SECTION 3. PROJECT DETAILS

Q1. Describe your current operation. (e.g. type of farm, types of enterprises on farm, management system / timing of farming operations, crop rotation, etc.). (maximum 3,000 characters)

Q2. Properly describe the environmental risks with the practices currently being used on farm (e.g. the lay of the land/soils/drainage/surface water courses/shelterbelt/etc.). (maximum 1,000 characters)

Q3. Fully describe the project that you want to do and explain how your farming operations will change due to implementation of the project (e.g. number of animals relocated, number of acres under different management, number of barns treated, etc.). (maximum 1,500 characters)

Q4. Explain how this proposed project will help to alleviate the identified environmental risks (e.g. reduced water contamination due to relocation of livestock, reduced greenhouses gases due to improved pasture quality, improved air quality due to filtration of barn air, improved use of water due to controlled release of tile drainage, etc.). (maximum 1,250 characters)

Q5. For riparian projects only: What type and number of livestock will be excluded from surface water? (maximum 500 characters)

Q6. For riparian projects only: How will you manage the riparian vegetation (if present)? (maximum 500 characters)

Q7. How far is the proposed fence from the water source (well, dugout or riparian area)? Are all dugouts fenced? Please include a map that clearly shows the waterbody and proposed fence. (maximum 1,000 characters)

Q8. What are you going to use for a water source and system? What is the location and capacity of the new water source and fence lines? (maximum 1,000 characters)

You must include a diagram or aerial photograph that explains what your project will include. Be sure that your diagram(s):

- Identifies the location of all wells, surface water bodies/water courses and any additional sources of water, AND Indicate the distance between all farm structures and identified sources of water
- Clearly shows the waterbody and proposed fence
- Identifies the location of all relevant farm structures: buildings, fuel tanks, livestock facilities, fence lines, manure storages, pesticide storages, utilities (telephone, power, gas), roads, trails, field and pasture layouts, including fences and watering systems for livestock, etc.
- Shows direction of overland flow/runoff (i.e. slope) and drainage features (e.g. berms, collection basins, ditches, etc.)
- Photos can also be very helpful. If you have pictures of the project area, please include.
- Have you included at least one (1) official quote for contracted items (e.g. engineering, earthworks, building erection, etc.), with all specifications, materials and labour itemized in the budget section?

SECTION 5. DECLARATION AND SIGNATURE

I confirm that I have read, understood and am in compliance with the objectives, principles and criteria set out in the applicable Guidebook to the terms and conditions of the CAP-Ag Action Manitoba Program and other requirements found on the website below:

<https://www.gov.mb.ca/agriculture/canadian-agricultural-partnership/index.html>

In addition to being in compliance with the Guidebook to the terms and conditions, I understand that I must meet the following conditions in order to be eligible for funding:

1. Allow the Minister of Agriculture and Resource Development or its designate the right to conduct a compliance audit on the project described in this application.
2. Agree to provide appropriate recognition for the financial assistance of federal and provincial grants.
3. Agree that, unless authorized, expenses for project activities started before the date in the funding decision letter or contribution agreement will not be reimbursed.
4. Ensure this application has been signed below by the CEO/Chair/President, owner(s) or a legally authorized representative who is duly authorized to accept the terms and conditions by clicking on the box indicating your acceptance. If you do not have the authority or do not accept the terms and conditions, you must not submit this application.
5. Agree that the project will be implemented in compliance with federal, provincial and municipal requirements.
6. Understand that the information contained in this application is being collected for the purpose of assessing and reviewing my eligibility for funding under the CAP-Ag Action Manitoba Program, and that such information will be used and disclosed for application assessment and review purposes, including verification of the information submitted as well as program review, statistical purposes and performance reporting.

By checking the boxes below, you are agreeing with the information contained in Section 5, an ink signature is not required.

Date application completed and submitted

- I agree that, as the applicant, if this application is accepted, I will be required to enter into a funding letter or contribution agreement with Manitoba Agriculture and Resource Development that sets out project requirements and funding conditions.
- I acknowledge that I am not a Manitoba government employee with a 50% or more share in the organization or company pertaining to this application, or a current or former member of the Legislative Assembly of Manitoba.
- I have read and agree with the Terms and Conditions contained within the Guidebook associated with this CAP activity.

Please email application and other attachments to CAP-Ag Action Program Administration to agaction@gov.mb.ca by the deadline noted on the website at:

<https://www.gov.mb.ca/agriculture/canadian-agricultural-partnership/ag-action-manitoba-program/index.html>

FOR OFFICE USE ONLY

Project Proposal Application has been reviewed and deemed complete. Project may now be assessed.

Program Officer Assigned:		Date Application Received:	
AccessManitoba Client ID:		AccessManitoba Task ID:	
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