



# Beneficial Management Practices

## Riparian and Grazing Appendix 2024/25



### Riparian and Grazing Projects

**Cost Shared Ratio:** 60% unless otherwise noted.

**Maximum total funding amount** for all projects undertaken in the Riparian & Grazing category: \$70K unless otherwise noted

**Application Window:** Opens January 30, 2024

**Submission Window:** February 13, 2024 at 9 AM to February 20, 2024 at 4 PM

**Project Completion Date:** + 140 days from Project Approval/Start Date

#### Categories:

- Alternative watering systems for livestock
- **Creation or widening of buffers (grasses, trees, or shrubs) adjacent to surface water sources\***
- **Fencing to improve grazing and improve riparian condition and function\***
- Rejuvenation and enhancement of sensitive areas through revegetation and restoration of disturbed areas
- Improved grazing management of tame pasture
- Improved grazing management of native pasture
- Improved stream crossings
- Erosion control and riparian habitat structures
- **Stormwater/runoff management around confined livestock facilities\***
- **Relocation of livestock confinement\***
- Field access improvements for livestock winter feeding areas

The cost-share will be 90% for all Practice Codes highlighted with **orange font and \*** in the practice codes table presented below unless otherwise noted. The **Fraser Valley Flood Mitigation Program** supports these cost-share and cap increases.



Funding for this program has been provided by the Governments of Canada and British Columbia through the Sustainable Canadian Agricultural Partnership, a federal-provincial-territorial initiative. The program is delivered by the Investment Agriculture Foundation of BC (IAF).



## Practice Code Details

| BMP Category<br>Practice Code<br>and Commodity   | Eligible BMPs and Costs  | Required plans or actions to be completed prior to or concurrent with a project  |
|--|--|--|
| <p>1001 – Alternative Watering Systems to Manage Livestock</p>   | <p>Establishment of off-site watering systems for livestock to minimize negative impacts on habitat for wildlife and species at risk</p> <p>For example: solar, gravity-fed, wind, grid or alternative power</p> <ul style="list-style-type: none"> <li>• Pumps</li> <li>• Storage</li> <li>• Power setup from existing power line</li> <li>• Waterlines</li> <li>• Construction</li> <li>• Protective fencing or portable panels</li> <li>• Monitoring equipment</li> </ul> <p><b>Ineligible items:</b></p> <ul style="list-style-type: none"> <li>• Repair and maintenance of existing riparian pasture management systems and equipment</li> <li>• On-going maintenance costs of existing equipment</li> <li>• Opportunity costs associated with payments for land taken out of production</li> <li>• Installation costs of main electrical service</li> </ul> <p><b>Note:</b> Approval of projects will be contingent upon adherence to all federal, provincial, and municipal guidelines and regulations for project design and implementation.</p> | <p>Engineering or technical design may be required (1007) if watering system construction occurs in within the riparian area</p> |
| <p>1002 – Creation or widening of buffers (grasses, trees, or shrubs) adjacent to surface water sources (Riparian Habitat Establishment) *</p> | <p>For example: establishment / planting of adaptable, hardy, permanent native and/or non-invasive introduced species of grasses, forbs, trees and shrubs</p> <ul style="list-style-type: none"> <li>• Pre-planting site preparation and plant purchase costs prior to the year of planting if needed</li> <li>• Establishment year site preparation including weed control, irrigation (trickle or drip), or temporary fencing</li> <li>• Purchase / planting / establishment costs for grasses from certified seed, forbs, trees and shrubs for the year of planting</li> <li>• Consultative service for suitable species, composition and maintenance</li> </ul>  | <p>Engineering or technical design may be required (1102) if construction other than fencing occurs in riparian area</p>         |

| BMP Category<br>Practice Code<br>and Commodity  | Eligible BMPs and Costs   | Required plans or actions to be<br>completed prior to or concurrent<br>with a project                                    |
|---|---|--|
|   | <p><b>Ineligible Items:</b></p> <ul style="list-style-type: none"> <li>• On-going maintenance</li> <li>• Costs associated with acquiring / planting invasive plant species</li> <li>• Opportunity costs associated with payments for land taken out of production</li> <li>• Landscape quality or landscaping type plantings</li> <li>• Commercial fruit trees, Christmas trees, ornamentals, afforestation, woodlot establishment and reforestation.</li> <li>• Purchase and relocation of established trees</li> </ul> <p><b>Note:</b> Maintenance one year after the planting year can be included as part of the project proposal but is subject to the availability of funding in following program year.</p>  |  |
| <p>1003 – Fencing to Manage and Improve Riparian Condition and Function *</p>   | <p><b>To cover a portion of the costs for:</b></p> <ul style="list-style-type: none"> <li>• Fencing parallel to water's edge to exclude livestock in order to maintain or improve riparian conditions and function. Eligible permanent fencing inclusive of all costs including in-kind labour</li> <li>• Protection of newly established or enhanced riparian buffers (Practice Code 1002)</li> <li>• Livestock out of stream water source</li> <li>• Costs associated with improving or removing stream/ creek crossings to improve fish and wildlife habitat.</li> </ul> <p><b>Ineligible Items:</b></p> <ul style="list-style-type: none"> <li>• Repair and maintenance of existing riparian pasture management systems and equipment (e.g. can't be used to repair existing fence)</li> <li>• On-going maintenance costs</li> <li>• Opportunity costs associated with payments for land taken out of production</li> </ul> <p><b>Note:</b> Approval of projects will be contingent upon adherence to all applicable guidelines and regulations for project design and implementation</p> | <p>Engineering or technical design may be required (1102) if construction other than fencing occurs in riparian area</p> |
| <p>1004 – Rejuvenation and enhancement of sensitive areas through revegetation and restoration of disturbed areas</p> | <p><b>To cover a portion of the cost for:</b></p> <ul style="list-style-type: none"> <li>• Seeding and planting of native plant material (grasses, legumes, forbs, shrubs, and trees) and on-going maintenance of an established or restored site</li> <li>• Seeding and planting of native plants to establish native perennial forage cover to provide wildlife habitat.</li> </ul> <p><b>Ineligible Items:</b></p>   | <p>Grazing Management Plan (2601)</p> <p>Engineering or technical design may be required for project design (1102)</p>   |

| BMP Category<br>Practice Code<br>and Commodity         | Eligible BMPs and Costs   | Required plans or actions to be<br>completed prior to or concurrent<br>with a project |
|--|---|---|
|  | <ul style="list-style-type: none"> <li>• Tame or agronomic pasture seeding and establishment or renovation costs</li> <li>• Pasture renovation</li> <li>• Altering native species plant balance</li> <li>• Routine forage management practices</li> <li>• Costs associated with acquiring / planting invasive plant species</li> <li>• Opportunity costs associated with payments for land taken out of production</li> <li>• Establishing forages as part of the operation's normal crop rotation</li> </ul> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• Native vegetation refers to plant species indigenous to the area.</li> </ul> <p>Restoration refers to improving the ecological integrity of disturbed or degraded sites.</p> <p>Establishment refers to an area under different land use and the native species must be planted</p>  |   |
| 1005.1 – Improved grazing management of Tame Pasture   | <p>To cover a portion of the costs for:</p> <ul style="list-style-type: none"> <li>• Cross fencing to implement rotational, seasonal, rest, swath, and extended grazing systems</li> <li>• Eligible permanent fencing inclusive of all costs including in-kind labour</li> <li>• Portable electric fencing, set-ups, including solar battery chargers, battery and initial line and post purchases</li> <li>• <b>Cross fencing:</b> Eligibility for funding must be based on required plan(s) that identifies the importance and value of cross fencing in dealing with identified environmental risks and achieving environmental benefits</li> <li>• Monitoring and management equipment</li> </ul> <p><b>Ineligible Items:</b></p> <ul style="list-style-type: none"> <li>• Perimeter fencing</li> <li>• Pasture seeding and establishment costs</li> <li>• Pasture renovation</li> <li>• Repair and maintenance of existing riparian erosion control or riparian pasture management systems and equipment (e.g. can't be used to repair existing fence)</li> <li>• On-going maintenance costs</li> <li>• Opportunity costs associated with payments for land taken out of production</li> </ul> <p><b>Note:</b> Approval of projects will be contingent upon adherence to all federal, provincial, and municipal guidelines and regulations for project design and implementation</p> | Grazing Management Plan (2601)  |
| 1005.2 – Improved grazing management of Native Pasture | Emphasis on the four rotational grazing principles:   | Grazing Management Plan (2601)  |

| BMP Category<br>Practice Code<br>and Commodity | Eligible BMPs and Costs   | Required plans or actions to be completed prior to or concurrent with a project                          |
|--|---|--|
|  | <ul style="list-style-type: none"> <li>• Balance forage supply and livestock demand;</li> <li>• Distribute grazing pressure across the pasture;</li> <li>• Provide rest for pasture plants during the growing season to help plants recover; and</li> <li>• Avoid grazing during sensitive times.</li> </ul> <p>To cover a portion of the costs for:</p> <ul style="list-style-type: none"> <li>• Cross fencing to implement rotational, seasonal, rest, swath, and extended grazing systems</li> <li>• Eligible permanent fencing inclusive of all costs including in-kind labour</li> <li>• Portable electric fencing, set-ups, including solar battery chargers, battery and initial line and post purchases</li> <li>• <b>Cross fencing:</b> Eligibility for funding must be based on required plan(s) that identifies the importance and value of cross fencing in dealing with identified environmental risks and achieving environmental benefits</li> <li>• Monitoring and management equipment</li> </ul> <p><b>Ineligible Items:</b></p> <ul style="list-style-type: none"> <li>• Perimeter fencing</li> <li>• Pasture seeding and establishment costs</li> <li>• Pasture renovation</li> <li>• Repair and maintenance of existing riparian erosion control or riparian pasture management systems and equipment (e.g. can't be used to repair existing fence)</li> <li>• On-going maintenance costs</li> <li>• Opportunity costs associated with payments for land taken out of production</li> </ul> <ul style="list-style-type: none"> <li>• <b>Note:</b> Approval of projects will be contingent upon adherence to all federal, provincial, and municipal guidelines and regulations for project design and implementation</li> </ul> |  |
| 1006 – Improved Stream Crossings               | <p>Costs associated with structures that demonstrate improved riparian conditions:</p> <ul style="list-style-type: none"> <li>• new structures</li> <li>• improvements and/or repairs to existing structures</li> <li>• removal or re-location of existing structures</li> <li>• structures may include bridges or culverts</li> </ul> <p>Eligible expenses include materials, labour, and equipment rental associated with earthwork, installation of structures, and re-vegetation work in addition to the constructed works.</p>   | Engineering or technical design (1102) may be required if construction occurs within water riparian area |

| BMP Category<br>Practice Code<br>and Commodity         | Eligible BMPs and Costs  | Required plans or actions to be<br>completed prior to or concurrent<br>with a project  |
|--|--|--|
|  | <p><b>Ineligible items:</b></p> <ul style="list-style-type: none"> <li>• On-going maintenance costs</li> <li>• Stream crossing projects that are associated with a new or expanded agricultural activity- where no crossing has existed previously</li> <li>• Projects that include culverts must meet same requirements as bridges in terms of design and regulations</li> </ul> <p><b>Note:</b> All projects must be properly designed by an accredited engineering consultant or a qualified professional in accordance with federal, provincial and local government regulations and specifications</p>  |  |
| 1101 – Erosion Control and Riparian Habitat Structures | <ul style="list-style-type: none"> <li>• <b>Contour Terraces</b> (e.g., earthwork, seedbed preparation, seed)<br/>Eligible expenses will include site assessment, materials, labour, equipment rental associated with earthwork, installation of structures, and re-vegetation work in addition to the constructed works.</li> <li>• <b>Gully Stabilization/Grassed Waterways</b> (e.g., earthwork, erosion control matting, silt fencing, seedbed preparation, seed, outlet structure)</li> <li>• <b>Bank Stabilization</b> (e.g., bank shaping, revetment, gabions, riprap, crib walls, re-vegetation, blanketing and combinations)</li> <li>• <b>Drop Inlet Structures and In Channel Control</b> (e.g., drop structures)</li> <li>• <b>Improved Infiltration of Concentrated Water Flow</b> (e.g., filter trenches, filter wells, diffusing wells, etc.)</li> <li>• <b>Retention Ponds and Erosion Control Dams</b> (in riparian areas)</li> <li>• <b>Wetland Restoration</b> –earthworks, ditch plugs, equipment rentals. The intent of funding wetland restoration will not be directed at projects that are principally intended to be used for water sources (i.e.; dams and dugouts). The wetland must be restored to as close as the original size, depth and ecological function as possible. In addition, A one-time payment for the restoration of wetlands will be issued to individuals</li> <li>• Surface water diversion on slopes</li> </ul> <p><b>Ineligible items:</b></p> <ul style="list-style-type: none"> <li>• Systematic tile and other subsurface drainage systems that are not an integral part of erosion control structure</li> <li>• Activities related to constructing or repairing drainage systems, where the purpose is to remove ponded water or draining saturated soils, are not eligible for funding</li> </ul> | Engineering or technical design will be required (1102) when construction occurs within wetted portion of the riparian area or within a stream channel |

| BMP Category<br>Practice Code<br>and Commodity                              | Eligible BMPs and Costs   | Required plans or actions to be<br>completed prior to or concurrent<br>with a project |
|---|---|---|
|   | <ul style="list-style-type: none"> <li>• Converting open channels to closed drainage systems</li> <li>• Construction of new drainage channels or repair of existing drainage systems (e.g. drainage ditch clean-outs)</li> <li>• Costs of tile and installation that exceeds 30 meters for riparian drop inlet structure projects</li> <li>• Installation of drop inlets for drainage of ponded surface water (e.g. not associated with an erosion control structure)</li> <li>• Header tile systems</li> <li>• Tile outlet structures associated with new tile drainage installations</li> <li>• Retrieving topsoil from areas of deposition and transporting it upslope to eroded hillsides</li> <li>• Construction and land improvement activities not associated with soil erosion control</li> <li>• There will be no provision for ongoing payments for maintenance of wetlands and/or other infrastructure associated with wetlands</li> <li>• Funding in this category will not extend to cover pothole/wetland consolidation or deepening existing functioning wetlands</li> </ul> <p><b>Note:</b> All projects must be properly designed by an accredited engineering consultant or a qualified professional in accordance with federal, provincial and local government regulations and specifications</p> |   |
| 0501 - Storm water/runoff management around confined livestock facilities * | <ul style="list-style-type: none"> <li>• Upstream diversion around outdoor confined livestock areas or downstream protection of stewardship areas</li> <li>• Projects may include catch basins, retention ponds, in field diversion works, or constructed wetlands</li> <li>• <b>Ineligible items:</b> Gutters and downspouts for farm buildings are not eligible for funding. These are standard building components that are the responsibility of producers</li> </ul>   | Must have technical design (0503)   |
| 0601 - Relocation of livestock facilities *                                 | <ul style="list-style-type: none"> <li>• Relocation of corrals, paddocks and wintering sites away from riparian areas.</li> <li>• Relocation of fences, powerlines, trails or other infrastructure having negative impacts on species at risk.</li> </ul> <p>Notes: Funding is to be used to move operations away from sensitive surface water, riparian areas, critical wildlife habitat and areas of severe erosion potential</p> <ul style="list-style-type: none"> <li>• Groundwater protection: Proximity to sensitive groundwater is not a rationale for use of this BMP</li> <li>• Existing site must be decommissioned</li> </ul>   |   |

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|---|---|---|
|   | <p><b>Ineligible items:</b></p> <ul style="list-style-type: none"> <li>• Construction of impermeable surfaces or roofs are ineligible unless they existed at the decommissioned site. New water supply infrastructure is ineligible unless it was part of the decommissioned site.</li> </ul> |   |
| 0704 - Field access improvements for livestock winter feeding areas | <ul style="list-style-type: none"> <li>• Examples include alleyway / access lane upgrades to improve distribution of feed and manure away from riparian areas or high-risk ground water areas</li> </ul>  |   |

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