

**Town of Banff Class Screening Project Report Form A-4**  
**Sub-Class 4: Trails and Parks**

**COMPLETING A CLASS SCREENING PROJECT REPORT FORM**

Forms can be obtained at Environmental Services at the Town of Banff Town Hall or at the Environmental Assessment Office at Banff National Park Warden’s Office. Once completed, forms should be returned to one of these offices.

If you have questions about completing the form or the assessment process you should call the Environmental Assessment Office. The addresses and phone numbers for both the Town of Banff and Parks Canada’s Environmental Assessment Office are provided below. Incomplete or improperly completed forms will be returned. In some cases you may be asked to supply additional information or to do an individual environmental assessment.

Parks Canada’s Environmental Assessment Office will complete a review of the form within 14 days of its submission, and the proponent will be informed of the decision. If approved, a signed document, called the “Environmental Screening Approval Report,” will be mailed or faxed to you. A Town of Banff Development Permit may be required once the assessment has been approved.

Certain projects may not need an environmental assessment. Other projects may require a more detailed individual environmental assessment. Such projects are usually those that are located near environmentally sensitive areas, are excluded from the MCSR or those where unproven mitigations are to be used. If your project requires an individual environmental assessment, you will be advised. An individual environmental assessment may need to be prepared by an individual or firm with experience in environmental assessment.

The Environmental Assessment Office Banff Warden’s Office 238 Hawk St, Industrial Compound P.O. Box 900 Banff, Alberta T1L 1K2 Tel. (403) 762-1416	Environmental Services Banff Town Hall 110 Bear Street P.O. Box 1260 Banff, Alberta T1L 1A1 Tel. (403) 762-1215
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This CSPR form is to be completed by the project proponent or the proponent’s authorized agent for proposed trail or park activities within the town of Banff or areas adjacent to the town. It is the responsibility of the proponent to ensure that all information provided in this form is accurate and correct. Incomplete or inaccurate forms will be returned. To assist you in the preparation of the form, the following attachments have been provided:

- **Attachment 1:** Mitigation Information for Trails Projects (Table 7.4)
- **Attachment 2:** Map of Wildlife Corridors, Ecosites, and Archaeology (Figure 7.1)
- **Attachment 3:** Potentially Sensitive Sites in the Class Screening Area (Appendix B)

## SUB-CLASS 4: TRAILS AND PARKS

Projects included in Sub-Class 4 include construction, modification, maintenance or repair, and decommissioning and abandonment of trails and of parks, parkettes and the Recreation Grounds.

### SECTION 1: DESCRIPTION OF THE PROJECT

*This section is designed to determine whether you have a project as defined in the Canadian Environmental Assessment Act that requires an environmental screening.*

1. Please provide a **summary description of your project** on a separate sheet and attach. A site plan showing the proposed development must be attached. A one page site plan is acceptable.

- a. Does your project involve (check all of the following that apply)?
- i. The construction of a new trail, park, parkette or recreational grounds  YES  NO
  - ii. The decommissioning of an existing trail, park, parkette or recreational grounds.  YES  NO
  - iii. The modification, maintenance or repair of an existing trail, park, parkette or recreational grounds.  YES  NO
  - iv. The issuing of a new lease or right-of-way.  YES  NO
- b. If your project requires excavation will it be (check all that apply)
- i. For geotechnical investigation?  YES  NO
  - ii. For post holes only?  YES  NO
  - iii. Outside the footprint of an existing site?  YES  NO
  - iv. Will the excavated material be re-used on site?  YES  NO
  - v. What is the total quantity of material to be excavated? (specify units) \_\_\_\_\_

### SECTION 2: LOCATION OF PROJECT

*This section is designed to determine if your projects fits into Sub-Class 4 (Trails and Parks) of the Model Class Screening Report (MCSR).*

2. a. Is your project located inside the town of Banff boundary? If yes, please provide:

Street Address:

Ecosite (initials and name, e.g., Norquay  $\frac{NY3}{8}$  Refer to Attachment 2):



**SECTION 3: *Continued***

e. Are any historic or archaeological resources directly or indirectly affected by your project (see Attachment 2)?  YES  NO  UNSURE

f. Will your project cause any impacts to the environmental or cultural/heritage setting that have not been identified in Table SC-4 (below)?  YES  NO

g. If you answered **YES** to 3(f), briefly describe those impacts not already identified. Attach a separate sheet to this form, if necessary.

Table SC-4: Potential environmental effects from trails, parks, parkettes and recreation ground projects

• Dust production	• Habitat loss, fragmentation
• Decrease in air quality	• Wildlife sensory disturbance
• Runoff/sedimentation of waterbodies	• Encroachment on wildlife movement corridors
• Soil and water contamination	• Increased traffic
• Soil compaction and erosion	• Risk to public safety
• Slope failure	• Waste production
• Loss of topsoil	• Hazardous materials
• Damage/loss of vegetation	• Use of resources
• Changes in noise/visual quality	• Impact to historical or archaeological resources

## SECTION 4: MITIGATIONS

*This section is designed to identify what mitigations will be used to remove or reduce the potential impacts identified above, and to determine the potential for impacts to remain after the mitigations are implemented.*

- 4.
- a. Will Standard MCSR mitigations as described in Attachment 1 be used?  YES  NO  UNSURE
- b. Will any environmental mitigations be undertaken *other than or in addition to* those listed in Attachment 1?  YES  NO  UNSURE

If you answer **YES** or **UNSURE** to 4(b), please submit detailed information on your proposed mitigations on a separate sheet along with this form.

- c. Will your project involve blasting, dredging, surface or groundwater dewatering, excavation of contaminated soil or disposal of any hazardous materials? If so, please specify on a separate sheet.  YES  NO
- d. Will your project require geo-technical investigation - drilling, soil sampling, - to determine soil capacity, contamination, groundwater depth etc?  YES  NO
- e. If you answer **YES** to 3(f), and you identified additional potential impacts in 3 (g), please describe additional mitigations to be followed to address those impacts. Please attach a separate sheet if necessary.

## SECTION 5: COMPLIANCE MONITORING

*This section is designed to determine how you will ensure mitigations will be followed during your project.*

- 5.
- a. Will an environmental monitor be available on site to ensure the mitigation measures described in Attachment 1 and Section 4, above, are implemented?  YES  NO
- b. Please indicate those groups/individuals you have informed about your project.

**SECTION 6: APPLICATION SIGNATURE**

*As the developer of the proposed project or his/her authorized agent, I guarantee that to the best of my knowledge all information provided here is complete, correct and accurate.*

Signature:	Date:
Name:	Phone:
Address:	

**SECTION 7: FOLLOW-UP PROGRAM**

*(Parks Canada to complete)*

7. a. Is a follow-up program required for this project?  YES  NO

If you answered **YES**, describe any project specific follow-up activities that are warranted to verify the environmental effects or the effectiveness of mitigation measures. Describe responsibilities for follow-up activities.

**SECTION 8: SIGNIFICANCE**

*(Parks Canada to complete)*

8. a. Is the project likely to cause significant environmental effects if all of the mitigations are followed? Please rate any remaining impacts as negligible, low, medium or high.

NEGLIGIBLE  LOW  MED  HIGH

**Note:** This form to be attached to the Banff National Park Environmental Screening Approval Report Form.

Attachment 1 Sub-Class 4: Mitigation for Reducing Impacts of Trails, Parks, Parkettes and Recreation Grounds

Activity	Potential Impacts	Mitigation Measures
<b>Pre-Planning</b>		
General activities	Runoff / sedimentation; Soil contamination	<ul style="list-style-type: none"> <li>• Prepare an Emergency Response Plan for the worst case, i.e., heavy rainfall and runoff events, high winds, spills, fires, etc.</li> <li>• In the event of emergency operations (as defined in Section 7.12 of the MCSR), call 911. The Warden Dispatch may also be contacted (available 24 hours/day) at (403) 762-4506 or the Wardens Office at (403) 762-1470 to notify of any emergency procedures required.</li> <li>• Ensure all activities are conducted at least 30 m from waterbodies.</li> </ul>
	Wind and water erosion	<ul style="list-style-type: none"> <li>• Prepare a satisfactory Sediment and Erosion Control Plan covering all construction and restoration periods.</li> <li>• Acquire necessary sediment control equipment (i.e., straw bales, landscaping fabric, sediment fences, etc.) and install prior to construction.</li> <li>• Extra planning should be used for areas with silty deposits (VL3 and VL4) and sloped areas with sandy deposits (see Figure 7.1).</li> </ul>
	Compaction of soils	<ul style="list-style-type: none"> <li>• Identify soils susceptible to compaction (fine textured and organic soils).</li> <li>• In sensitive areas, use equipment of low bearing weight, low PSI tires, or tracked vehicles, especially in sensitive sites.</li> </ul>
	Habitat loss and fragmentation; or encroachment on wildlife movement corridor	<ul style="list-style-type: none"> <li>• Identify wildlife habitat that may be impacted by activities and avoid sensitive areas.</li> <li>• Identify and avoid wetlands.</li> <li>• Ensure only necessary vegetation is removed and delineate areas to be avoided with biodegradable flagging tape and/or temporary fences.</li> </ul>
	Sensory disturbance and mortality of wildlife	<p>When working adjacent to natural areas:</p> <ul style="list-style-type: none"> <li>• According to the wildlife that may be present, schedule high noise level activities and other intrusive construction activities to avoid critical life stages (breeding, nesting, rearing, migration). Consult with Parks Canada (403-762-1416) to discuss any localized wildlife concerns.</li> <li>• Confine “noise” activities to hours set out in Town of Banff Noise Bylaw.</li> <li>• Consider posting wildlife signs to reduce vehicle speeds and increase driver awareness near construction areas where wildlife mortality has or is likely to occur.</li> <li>• Educate workers to not harass or attract wildlife, keep the site free of food scraps, and dispose of garbage in bear proof containers.</li> </ul>

Attachment 1 Sub-Class 4: Mitigation for Reducing Impacts of Trails, Parks, Parkettes and Recreation Grounds - *Continued*

Activity	Potential Impacts	Mitigation Measures
General activities (continued)	Disturbance of archaeological resources	<ul style="list-style-type: none"> <li>• Determine whether there are archaeological sites in the area (see Figure 7.1).</li> <li>• Consult with Parks Canada (403-762-1416) if sites are identified.</li> <li>• If potential archaeological sites may be subject to ground disturbance, adapt activities to avoid them.</li> <li>• Educate workers to stop work immediately and to notify site supervisor upon finding any archaeological artefacts.</li> </ul>
	Public safety	<ul style="list-style-type: none"> <li>• Use appropriate signage for closed trails, parks, parkettes, and Recreation Grounds (e.g., signage for trail detours during construction/maintenance).</li> <li>• Call utility line companies to identify infrastructure locations (Alberta OneCall: 1-800-242-3447)</li> </ul>
	Reduced aesthetics (noise and visual)	<ul style="list-style-type: none"> <li>• Evaluate the site layout, access routes and construction activities to minimize their visual impact.</li> <li>• Plan work schedule to confine “noise” activities to hours set out in Town of Banff Noise Bylaw and, if possible, periods of low visitation.</li> </ul>
<b>Construction of Trails</b>		
Clearing of vegetation	Runoff / sedimentation	<ul style="list-style-type: none"> <li>• Minimize vegetation cover removal and grubbing.</li> <li>• Initiate replanting of disturbed areas immediately after construction is completed.</li> <li>• Halt construction activity on exposed soil during events of high rainfall intensity and runoff and refer to the Sediment and Erosion Control Plan. Periodically inspect erosion control structures for effectiveness.</li> </ul>
	Compaction	<ul style="list-style-type: none"> <li>• Restrict vehicles to access routes.</li> <li>• Select appropriate equipment, especially in erosion/slump prone areas (as identified on mapping). In sensitive areas, for example: wide tracked equipment, rubber tired vehicles and low bearing pressure weight equipment can be used.</li> </ul>
	Reduced aesthetics	<ul style="list-style-type: none"> <li>• Transport stockpiled material offsite immediately or stockpile cleared vegetation in an area out of view from public until it can be disposed of appropriately.</li> </ul>
Preparing base, grading, trail surfacing and installation of fixtures	Runoff / sedimentation (through intermittent drainage pathways including storm sewer systems)	<p>Particularly areas with slope class of 5 (5-15%) or greater and sites close to water (see Figure 7.1).</p> <ul style="list-style-type: none"> <li>• Cover stockpiles with polyethylene sheeting, tarps, or vegetative cover.</li> <li>• Minimize vegetation cover removal.</li> <li>• Filter or settle out sediment before the water enters any drainage pathway; including stormwater systems.</li> <li>• Control overland flow up gradient and down gradient of exposed areas by use of diversion ditches, bales, vegetative filter strips, and/or sediment traps.</li> </ul>

Attachment 1 Sub-Class 4: Mitigation for Reducing Impacts of Trails, Parks, Parkettes and Recreation Grounds - *Continued*

Activity	Potential Impacts	Mitigation Measures
Preparing base, grading, trail surfacing and installation of fixtures (continued)	Wind and water erosion	<p>All Ecosites, especially VL3 and VL4 in steeply sloped areas, and sloped areas with sandy loam/loamy sand soils for water erosion (see Figure 7.1).</p> <ul style="list-style-type: none"> <li>• Protect exposed soils with coarse granular materials, mulches, or straw.</li> <li>• Cover fills or stockpiles with polyethylene sheeting, tarps, or vegetative cover.</li> <li>• Line steep ditches with filter fabric, rock or polyethylene lining to prevent channel erosion.</li> </ul>
Fence installation	Barrier to wildlife movement	<ul style="list-style-type: none"> <li>• Evaluate the need for all fences.</li> <li>• Construct fences and orient in such a manner to reduce impacts on wildlife movement (see Figure 7.1). Consult with Parks staff to determine appropriate fence designs and locations (403-762-1416).</li> </ul>
<b>Construction of Parks, Parkettes &amp; Recreation Grounds</b>		
Clearing of vegetation; Preparing base, grading, surfacing playfields, installation of fixtures	Runoff/sedimentation; wind and water erosion; Compaction; Reduced aesthetics	<ul style="list-style-type: none"> <li>• See mitigations for “Construction of Trails”.</li> </ul>
Establishing turf; Landscaping	Contamination from fertilizers and herbicides	<ul style="list-style-type: none"> <li>• Accurately assess the need for chemicals. Use products and methods recommended in Parks Canada, Management Directive 2.4.1 (1985) The Management of Pesticides.</li> <li>• Minimize use of fast-release fertilizers.</li> <li>• Do not use herbicides in areas where residue may enter a waterbody.</li> <li>• Do not over water.</li> </ul>
	Attracting wildlife and causing increased potential for interaction between wildlife and people	<ul style="list-style-type: none"> <li>• Plant Parks-approved grass seed and native non-palatable species (see Appendix C) of trees and shrubs, to discourage wildlife.</li> </ul>
	Water erosion	<ul style="list-style-type: none"> <li>• Initiate replanting of disturbed areas within 48 hours after construction is completed.</li> </ul>

Attachment 1 Sub-Class 4: Mitigation for Reducing Impacts of Trails, Parks, Parkettes and Recreation Grounds - *Continued*

Activity	Potential Impacts	Mitigation Measures
Fence installation	Barrier to wildlife movement	<ul style="list-style-type: none"> <li>See mitigations for “Fence installation” under “Construction of trails”.</li> </ul>
<b><i>Modification, Maintenance and Repair of Trails, Parks, Parkettes and Recreation Grounds</i></b>		
Resurfacing	Runoff / sedimentation (through intermittent drainage pathways including storm sewer systems)	Particularly areas with slope class of 5 (5-15%) or greater and sites close to water. <ul style="list-style-type: none"> <li>Cover stockpiles with polyethylene sheeting, tarps, or vegetative cover.</li> <li>Minimize vegetation cover removal.</li> <li>If necessary, use bales, vegetative filter strips, and/or sediment traps to control any sedimentation along the trail being resurfaced.</li> </ul>
	Wind and water erosion	<ul style="list-style-type: none"> <li>Protect exposed soils with coarse granular materials, mulches, or straw.</li> <li>Use mulch or aggregate to prevent soft areas from turning into large depressions</li> <li>Cover fills or stockpiles of surfacing materials with polyethylene sheeting or tarps.</li> </ul>
Maintaining facilities (including irrigation)	Runoff / sedimentation (through intermittent drainage pathways including storm sewer systems)	<ul style="list-style-type: none"> <li>Minimize the time that the excavation remains open during irrigation repairs. If deemed necessary, use site-specific erosion control methods, including bales, vegetative filter strips, and/or sediment traps.</li> <li>Do not schedule work during wet weather</li> </ul>
Vegetation management (including herbicide use in parks, parkettes and Recreation Grounds)	Contamination from fertilizers and herbicides	<ul style="list-style-type: none"> <li>Accurately assess the need for chemicals. Use products and methods recommended in Parks Canada, Management Directive 2.4.1 (1985) The Management of Pesticides.</li> <li>Minimize use of fast-release fertilizers.</li> <li>Do not use fertilizers and herbicides in areas where residue or run-off may enter a waterbody or drainage pathway.</li> <li>Do not over water.</li> </ul>
	Damage to adjacent vegetation, loss of native vegetation	<ul style="list-style-type: none"> <li>Do not go off-road or trail to remove trees.</li> <li>Chip dead or dangerous trees, stockpile and use for tree beds. Buck remainder of trees to be used as firewood. Dispose of diseased vegetation by burning. Obtain burning permit.</li> </ul>
Winter plowing and sanding	Runoff / sedimentation (through intermittent drainage pathways including storm sewer systems)	<ul style="list-style-type: none"> <li>Ensure that sand spreading mechanisms are properly tuned to minimize the use of sand on trails.</li> <li>Train staff in proper use of plowing machinery so adjacent vegetation is not damaged.</li> </ul>

Attachment 1 Sub-Class 4: Mitigation for Reducing Impacts of Trails, Parks, Parkettes and Recreation Grounds - *Continued*

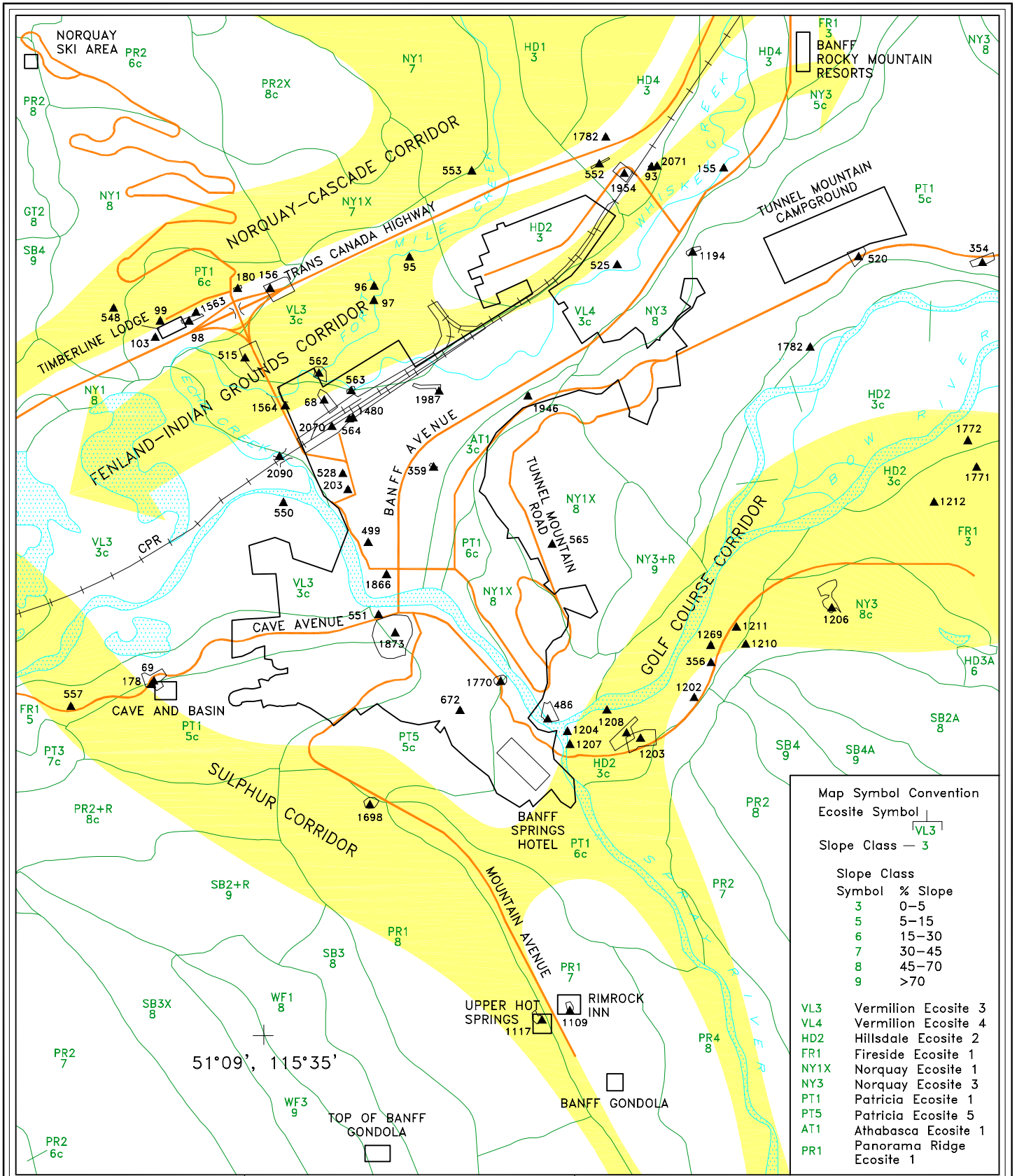
Activity	Potential Impacts	Mitigation Measures
<b><i>Decommissioning and Abandonment of Trails, Parks, Parkettes and Recreation Grounds</i></b>		
Reclamation or restoration	Contamination from accidental spills	<ul style="list-style-type: none"> <li>• Accurately assess the need for chemicals. Use products and methods recommended in Parks Canada, Management Directive 2.4.1 (1985) The Management of Pesticides.</li> <li>• Minimize use of fast-release fertilizers.</li> <li>• Do not use herbicides in areas where residue may enter a waterbody.</li> <li>• Do not over water.</li> </ul>
	Erosion (water)	<ul style="list-style-type: none"> <li>• Initiate replanting of disturbed areas within 48 hours after construction is completed.</li> <li>• For every tree removed, plant two native trees.</li> </ul>
<b><i>General Activities</i></b>		
Waste management (general)	Visual impacts (including viewscapes)	<ul style="list-style-type: none"> <li>• Collect all waste, store appropriately and dispose trade waste at Bow Valley Waste Management Commission's Class III landfill, and household garbage at the Waste Transfer Station.</li> </ul>
	Contamination of soil and water from accidental spill or improper disposal	<ul style="list-style-type: none"> <li>• Prepare an appropriate Spill Response Plan. In the event of emergency operations (as defined in Section 7.12 of the MCSR), call 911. The Warden Dispatch may also be contacted (available 24 hours/day) at (403) 762-4506 or the Wardens Office at (403) 762-1470 to notify of any emergency procedures required.</li> <li>• Dispose of contaminated soil at provincially certified disposal sites outside of the Park. Written proof of disposal is required. No treatment of contaminated soils (e.g., bioremediation) is allowed in the Park.</li> <li>• No rock, silt, cement, grout, asphalt, petroleum product, lumber, vegetation, domestic waste, or any deleterious substance shall be placed or allowed to disperse into any stream, river, pond, storm or sanitary sewer, or other water course.</li> </ul>
Equipment operation and maintenance	Decrease in ambient air quality due to emissions	<ul style="list-style-type: none"> <li>• Ensure all equipment is properly tuned, in good operating order, and fitted with standard air emission control devices.</li> <li>• Minimize idling of engines at all times.</li> </ul>
	Dust production	<ul style="list-style-type: none"> <li>• Wet down dry and dusty roads.</li> <li>• Do not use oil-based dust suppressants.</li> <li>• Reduce speeds.</li> <li>• Ensure fine materials being stored or transported are covered with tarps or equivalent material.</li> </ul>

Attachment 1 Sub-Class 4: Mitigation for Reducing Impacts of Trails, Parks, Parkettes and Recreation Grounds - *Continued*


Activity	Potential Impacts	Mitigation Measures
Equipment operation and maintenance (continued)	Soil and water contamination from accidental spills.	<ul style="list-style-type: none"> <li>• Prepare an appropriate Spill Response Plan. In the event of emergency operations (as defined in Section 7.12 of the MCSR), call 911. The Warden Dispatch may also be contacted (available 24 hours/day) at (403) 762-4506 or the Wardens Office at (403) 762-1470 to notify of any emergency procedures required.</li> <li>• Avoid work in high risk areas, particularly in areas of high water table, steeply sloped sites or in close proximity to streams.</li> <li>• Have spill containment equipment on-hand and ensure that all personnel are trained in their use.</li> <li>• Ensure all construction equipment is free of leaks from oil, fuel or hydraulic fuels.</li> <li>• The crossing of any waterbody (including wetlands) by construction equipment, or the use of such equipment within waterbodies is strictly prohibited unless prior approval has been confirmed.</li> <li>• Designate refuelling areas at least 100 m away from any water body. Refuelling sites will be bermed with an impermeable liner to contain 125% of the anticipated fuel quantity. Any contaminated rainwater will be moved out of the park.</li> <li>• Refuelling activities should not be conducted where run-off could carry contaminants into drainage pathways (including storm sewers).</li> <li>• Dispose of contaminated materials at provincially certified disposal sites outside of the Park (i.e., at Bow Valley Waste Management Commission's Class III landfill.). No treatment of contaminated soils (e.g., bioremediation) is allowed in the Park. All applicable documentation demonstrating proper disposal should be obtained.</li> </ul>
	Compaction of soils	<ul style="list-style-type: none"> <li>• Restrict vehicular travel and other equipment operation to the construction site and approved access routes.</li> <li>• Vehicle parking will be restricted to specialized areas on the construction site.</li> <li>• Minimize or halt construction traffic during wet conditions when the soil shows signs of ponding or rutting.</li> <li>• In sensitive areas, use equipment which minimizes surface disturbance including low ground pressure tracks/tires, blade shoes and brush rake attachments.</li> </ul>

Attachment 1 Sub-Class 4: Mitigation for Reducing Impacts of Trails, Parks, Parkettes and Recreation Grounds - *Continued*

Activity	Potential Impacts	Mitigation Measures
Equipment operation and maintenance (continued)	Damage to adjacent vegetation	Undeveloped areas adjacent to development site: <ul style="list-style-type: none"> <li>• Careful machine operation is required to ensure that damage to surrounding vegetation does not occur.</li> <li>• Excavated material must not be permitted to bury plant material that is to be retained. Snow fences may be used to prevent excavated material entering the surrounding forest.</li> </ul>
	Weed invasion	<ul style="list-style-type: none"> <li>• All construction equipment from outside Banff National Park will be steam cleaned prior to arrival to minimize the risk of introducing weeds.</li> <li>• Construction equipment from outside the Park will not be washed while in the Park.</li> </ul>
	Sensory disturbance to wildlife	All undeveloped areas and areas bordering natural habitat, especially wildlife movement corridors and natural wetlands: <ul style="list-style-type: none"> <li>• Use existing roadways, pathways and previously disturbed areas for site access and travel within the site.</li> <li>• Educate workers not to enter wildlife corridors.</li> <li>• Confine “noise” activities to hours set out in Town of Banff Noise Bylaw and, if possible, to periods of low visitation.</li> </ul>
	Increased traffic levels	<ul style="list-style-type: none"> <li>• Time activities to minimize vehicle conflicts on access roads.</li> </ul>



**Map Symbol Convention**

Ecosite Symbol 







Slope Class — 3

Slope Class	
Symbol	% Slope
3	0-5
5	5-15
6	15-30
7	30-45
8	45-70
9	>70

VL3	Vermilion Ecosite 3
VL4	Vermilion Ecosite 4
HD2	Hillsdale Ecosite 2
FR1	Fireside Ecosite 1
NY1X	Norquay Ecosite 1
NY3	Norquay Ecosite 3
PT1	Patricia Ecosite 1
PT5	Patricia Ecosite 5
AT1	Athabasca Ecosite 1
PR1	Panorama Ridge Ecosite 1

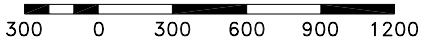

**LEGEND**

	Local Study Area (Town of Banff and Outlying Areas)
	Road
	Railroad
	Available Wildlife Corridors
	Ecosites
	Archaeological Site and Sensitive Area

**Attachment 2**  
**Ecological Information within the Class Screening Area (Sub-Class 4)**

SOURCE: POPE (2001)

Scale 1:30,000  
 Metres


### **Attachment 3**

#### **Potentially Sensitive Sites in the Class Screening Area**

The following represents sites that are potentially sensitive to disturbance. Considerations of these sensitivities should be included in future development plans.

#### **1. General Wetlands and Riparian Habitats**

Whiskey Creek and associated springs. Middle Springs Creek and associated springs, Bow River, Forty Mile Creek, Forty Mile/Echo/Whiskey Creek/CPR 'Y' Wetlands, Discharge zones along the toe of Sulphur Mountain, Stables Wetlands (Recreation grounds to Cave and Basin).

#### **2. Sand Dune and Beach Ridges**

Fenland, Recreation Centre lands, lands including the train station and extending into residential areas SE of the station into downtown blocks past Rundle Church. Rocky Mountain Resort/new corrals/Brewster Doughnut Area.

#### **3. Stream Levees**

Bow River, Forty Mile/Echo Creek

#### **4. Fish Spawning Sites**

Forty Mile Creek, Bow River, Whiskey Creek, CPR 'Y'

#### **5. Waterfowl Habitat**

Whiskey Creek behind Cougar Street, Bow River, Forty Mile/Echo/Whiskey Creek/CPR 'Y' Wetlands, Stable Wetlands.

#### **6. Beaver Habitat**

Potential beaver habitat should be identified and projects designed to minimize the disruption of habitat. Potential sites include the CPR 'Y' and associated lands, Whiskey Creek, Fenlands, Bow River Levees, Horse Bams/Cave and Basin Wetlands.

#### **7. Avifauna**

Some parts of the class screening area are used by breeding and migrating birds. The most significant bird habitat is the shrub/wetland area on the Bow River flood plain adjacent to the Recreation Area (Edwards 1988). Other sites should also be reviewed.

#### **8. Vegetation**

Disturbance of the following species should be avoided whenever possible:

- Limber Pine: Tunnel Mountain, Hoodoos.
- Douglas Maple: North slope of Tunnel Mountain.
- Douglas Fir: most dry forested sites.

- Aspen: various locations.
- Balsam Poplar: various locations, especially in the vicinity of stable wetlands.

## **9. Viewpoints/Viewscapes**

Surprise Corner, Bow River views, views from the Banff Springs Hotel, Mt. Norquay and Tunnel Mountain Drive.

## **10. Incidentals**

- Fossils: sites should be surveyed for the presence of fossils; known and potential sites include Norquay Road, Bow Falls outcrops. Tunnel Mountain trail, Mt. Rundle talus rocks near the climbing practice rock and the landscaping rock in the recreation grounds play areas. Any exposure/application of "Rundle Rock" should be examined for fossils.
- Glacial Deposits: evidence of glacial and periglacial activity should be preserved as interpretive features. Features include: flutings along upper Tunnel Mountain Trail; till and outwash exposure at Grizzly Street; and outwash gravels at Compound Road turnoff from Banff Avenue.
- Bedrock Exposures offer an opportunity to interpret the geologic history of Banff National Park. Potential sites include: Bow Falls areas. Tunnel Mountain, Drive rock cuts; Buffalo Street; Norquay Road; and. Vermilion Lakes Drive older stone fences.
- Historical features sites should be reviewed for potential historical/archaeological features.