

Skaha Bluffs Park Management Plan



July 2016

Cover Page Photo: Dick Cannings

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This document replaces the Skaha Bluffs Interim Management Direction Statement (2010). Skaha Bluffs Park Management Plan

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Acknowledgements

BC Parks is greatly indebted to the key individuals, recreational groups and organizations that have been involved in the Skaha Bluffs area for over 40 years and played a pivotal role in setting aside key portions of the land base for park purposes. Many of these dedicated individuals are associated with the close knit climbing community within Penticton, either through their affiliation with the Climbers Access Society or as devoted users of the climbing area. From a commercial rock climbing perspective, Skaha Rock Adventures Ltd. provided critical insight into improving the client-based visitor experience of the park. Other contributors to this management planning process were those who played an essential part in the Okanagan-Shuswap Land and Resource Management Plan. Newer organizations, such as those promoting mountain biking opportunities within the park (South Okanagan Trail Alliance and Sweet Single Track), are also recognized for their involvement in the management plan process.

BC Parks is deeply appreciative of the Mountain Equipment Co-op (MEC) and its membership and The Land Conservancy (TLC) of British Columbia, as these entities, among many others, were instrumental in campaigning and sourcing funds and coordinating donations for the private land acquisition (Gillies Creek Corridor) at Skaha Bluffs.

BC Parks acknowledges the significant financial contribution that the Nature Conservancy of Canada (NCC) coordinated through the Natural Areas Conservation Program with respect to the private land acquisition. NCC works collaboratively with BC Parks in the management of the park (specifically the Gillies Creek Corridor) and played a critical role in the development of this management plan. NCC and TLC continue to provide important oversight of the high biodiversity values contained within the park.

The Okanagan Nation Alliance and the Penticton Indian Band provided important cultural and traditional use information (Aboriginal Use and Interest Study) prior to the development of the 2010 Interim Management Statement for Skaha Bluffs Park. The study continues to provide essential background on the land area comprising the park and was immensely beneficial in helping shape the current management direction for the park.

This management plan also recognizes and fondly remembers a dedicated and passionate steward of Skaha Bluffs, Hugh Lenney.

Plan Highlights and Vision Statement

The management plan for Skaha Bluffs Park draws focussed attention on the significant role this park has in protecting wildlife species and habitat, and providing unparalleled recreational opportunities such as rock climbing and hiking. The management plan includes the following key strategies:

- Continue to undertake thorough inventories of species and ecosystems within all areas of the park. This includes monitoring (e.g., for changes in movement corridor behaviour) of wildlife species (e.g., Bighorn Sheep, rare reptiles snakes), particularly those considered 'at risk'. Work with government and non-governmental partners to achieve this objective.
- Continue to promote rock climbing activities within the Bluffs Section of the park.
- Ensure no further recreational use or facility development outside of current approved activities/facilities within the Gillies Creek Corridor.
- Limit human interference within habitat for Bighorn Sheep, bats, cliff nesting birds, and snakes. Seasonal closures of select portions of the park to the general public may be employed to assist in the protection of essential habitat and to minimize disturbance.
- Through close collaboration with the Ministry of Forests, Lands and Natural Resource Operations (MFLNRO), ensure management of adjacent Crown land (e.g., McTaggart-Cowan/nsek'tniw't Wildlife Management Area) considers the overall objectives of the park.
- Management decisions related to Bighorn Sheep will be made in collaboration with the Wildlife Branch (MFLNRO), the Nature Conservancy of Canada (NCC) and The Land Conservancy (TLC) of British Columbia, and in consultation with First Nations and stakeholder groups. Within the Gillies Creek Corridor, this will include determination of appropriate level of hunting/guide outfitting activities to ensure achievement of 'conservation objectives' and minimize threat to 'conservation target' viability (both NCC conservation tools).
- Where consistent with conservation objectives outlined in this management plan, provide for continued access to recreational activities (e.g., hiking, horse riding, mountain biking, hunting, rock climbing, wildlife viewing and nature appreciation) in areas appropriate for such use.
- Explore opportunities to broaden visitor experience to include facilities which support those with physical challenges.
- Assess the feasibility of the construction of a climbers' meeting 'hub' that contains a covered shelter and day use facilities (e.g., picnic tables, kiosks) that is located close to the lower bench parking lot (Intensive Recreation Zone).
- Identify cultural heritage values and ensure continued access for First Nations traditional uses, subject to conservation, health and safety concerns.
- Draw on historical hydrological data, ongoing monitoring systems (e.g., Long Term Ecological Monitoring) inside and outside the park and projections of climate change effects to develop long-term hydrological forecasts for the park and key aquatic habitats for species at risk, etc.

This Vision Statement describes the future state and management regime that is desired for Skaha Bluffs Park over the next 25 to 50 years. The park vision provides long-term direction for park managers, while aiding them in making decisions regarding current issues. It is based on prevailing environmental and socio-economic attitudes concerning protected areas. It is, however, dynamic and conceptual and therefore allows for change due to evolving ideas regarding conservation and recreation and evolving ecosystems due to climate changes.

Skaha Bluffs Park continues to represent the best of what the Okanagan landscape has to offer. On one end of the spectrum the park provides for the protection of a variety of habitats and species within a highly sensitive, and increasingly rare, grassland ecosystem. These species include the magnificent Bighorn Sheep, as well as a host of other flora and fauna considered 'at risk' in the province. More than ever, the park serves as an important ecological benchmark in an era of climate change stressors and intensified adjacent land use activity and development. Management direction, particularly for the Gillies Creek Corridor, which was a private land purchase, continues to be closely coordinated with the Nature Conservancy of Canada and The Land Conservancy of BC.

Equally significant is the role of 178 hectares of the park (the Bluffs Section) as a premier rock climbing destination for British Columbians and visitors. Proactive and coordinated management with climber representatives has enabled diversified climbing opportunities. Additional recreational experiences have also become very popular such as hiking, mountain biking, and nature appreciation. Continued outreach, education and interest group collaboration have maintained ecological values so that species and habitat values, as well as visitor experiences, have not deteriorated over time.

The park serves an essential role in the cultural, spiritual and traditional connection and practices of the Okanagan (Syilx) First Nation and Nlaka'pamux First Nation. First Nations have been present in the region for thousands of years and, through a positive relationship with BC Parks, their connection to, and their use of, the park continues to flourish.

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1.0 Introduction

1.1 Management Plan Purpose

The purpose of this document is to guide the management of Skaha Bluffs Park. This management plan:

- articulates the key features and values of the park;
- identifies the types and levels of management activities;
- determines the appropriate levels of use and development;
- establishes the long-term vision and management objectives to be met; and,
- responds to current and predicted future threats and opportunities by defining a set of management strategies.

1.2 Planning Area

Skaha Bluffs Park (489 hectares) is located on the southeast perimeter of the City of Penticton (population 43,313) and on the east side of Skaha Lake (Figure 1). The park is situated just outside the municipal boundaries of the city, and as such, resides within the Regional District of Okanagan Similkameen. It is contiguous with the much larger (6,373 hectares) McTaggart-Cowan/nsek'tniw't Wildlife Management Area. Access to the park is via Lakeside Road alongside Skaha Lake between Penticton and the village of Okanagan Falls. A short public road, known as Smythe Drive, leads to the park boundary and then turns into Gillies Creek Road; this narrow paved road within the park ends at two paved parking lots (one located on a lower terrace/bench and another on an upper bench). The landscape of the park is dominated by a series of north-south gneissic cliffs interspersed with deep canyons. These stepped cliffs are recognized world-wide as a premiere rock climbing destination.

While the park is predominantly dry, Gillies Creek flows through the southern portion of the park for approximately four kilometres towards Skaha Lake. This creek's riparian corridor is known to contain two provincially red-listed ecological communities. There is also a year-round wetland area known as Sora Pond, a locally important habitat for waterfowl and amphibians, and a drinking-water source for many species. Other landscape features of the park include grassland benches and gently sloping open forest which contain many vegetation communities that are considered 'at risk' both provincially and federally.¹

With the neighbouring McTaggart-Cowan/nsek'tniw't Wildlife Management Area, Skaha Bluffs Park contributes to enhanced protection of habitat for wildlife, including Bighorn Sheep, in a region of the province where significant agricultural and residential development pressures exist. Skaha Bluffs Park's natural and recreational features add to the diversity of values found in other South Okanagan provincial parks and protected areas, for example, Myra-Bellevue Park, Okanagan Mountain Park, White Lake Grasslands Protected Area and Vaseux Protected Area.

¹ Confirmation of species at risk within the park (individual species or ecological communities) is supported by provincial datasets, BC Parks staff inventory, and the Baseline Inventory Report for the Skaha Conservation Area (2008).

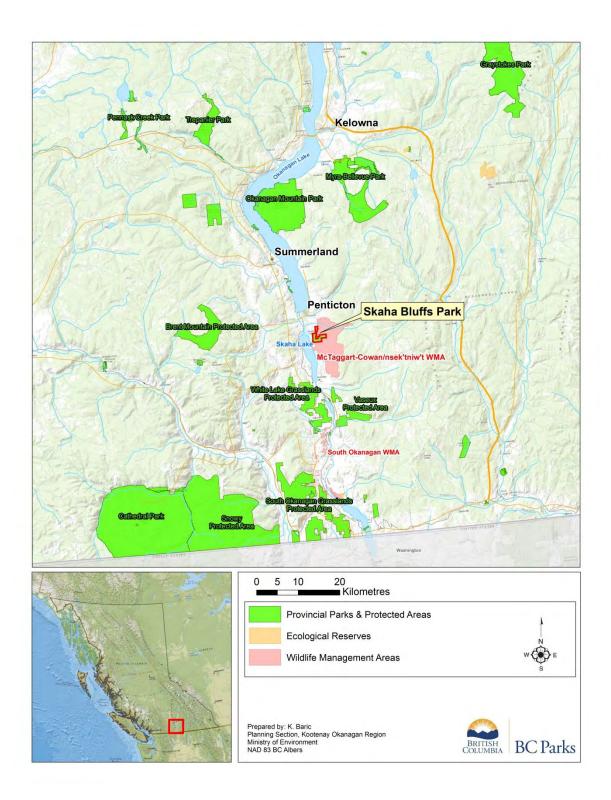
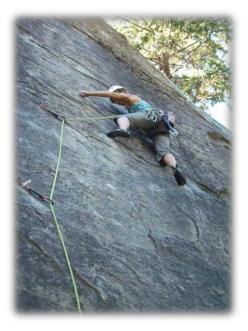


Figure 1: Regional context map of Skaha Bluffs Park.



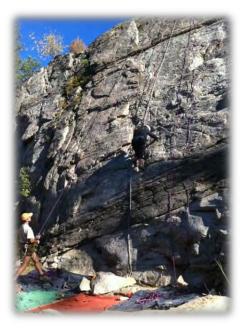


Plate 1: Rock climbing opportunities for all levels of experience are offered at Skaha Bluffs Park.

1.3 Legislative Framework

Skaha Bluffs Park (489 hectares) is comprised of two previously separate land areas (see Figure 2). One component was the privately-owned Sub Lot (SL) 18 property (referred to in this plan as the 'Gillies Creek Corridor'). The Gillies Creek Corridor (310 hectares) was secured through a private land acquisition which involved the collaborative efforts of the Nature Conservancy of Canada (NCC), The Land Conservancy (TLC) of BC, the Ministry of Environment and numerous other agencies and interests in January 2008.

The northern portion of the park (179 hectares) was originally identified for protection as a Goal 2² site through the Okanagan-Shuswap Land and Resource Management Plan (LRMP). In January 2001, the government approved the recommendations of the Okanagan-Shuswap LRMP. The Goal 2 site was established as a Class A park in April 2010. The former Goal 2 site is referenced in this plan as the 'Bluffs Section'.

A significant amount of funding (\$2.3M) to complete the securement of Gillies Creek Corridor was facilitated through the Natural Areas Conservation Program coordinated by the NCC. Other major contributors in acquisition of the Gillies Creek Corridor included the following (this is not a comprehensive list):

- Habitat Conservation Trust Foundation
- MEC and its membership

² The Okanagan-Shuswap LRMP protected area recommendations consisted of 22 Goal 1 (larger areas for ecosystem representation) sites and 27 Goal 2 (smaller areas for protection of special natural and recreational features) sites.

- Ministry of Transportation (Environment Fund)
- Climbers Access Society
- Wild Sheep Society of BC
- > Foundation for North American Wild Sheep Wyoming Chapter
- Guide Outfitters Association of BC
- The Vancouver Foundation

Up until park establishment, the Gillies Creek Corridor was referred to as the Skaha Conservation Area. In July 2012 with the completion of a transfer agreement between the Province and the conservation land partners on title, enabling legislation formally added the Gillies Creek Corridor to the Class A park. The park is named and described in Schedule D of the *Protected Areas of British Columbia Act*. Class A parks are dedicated to the preservation of their natural environments for the inspiration, use and enjoyment of the public.



Plate 2: A Great Horned Owl nest site within the 'Grand Canyon' area of the park.

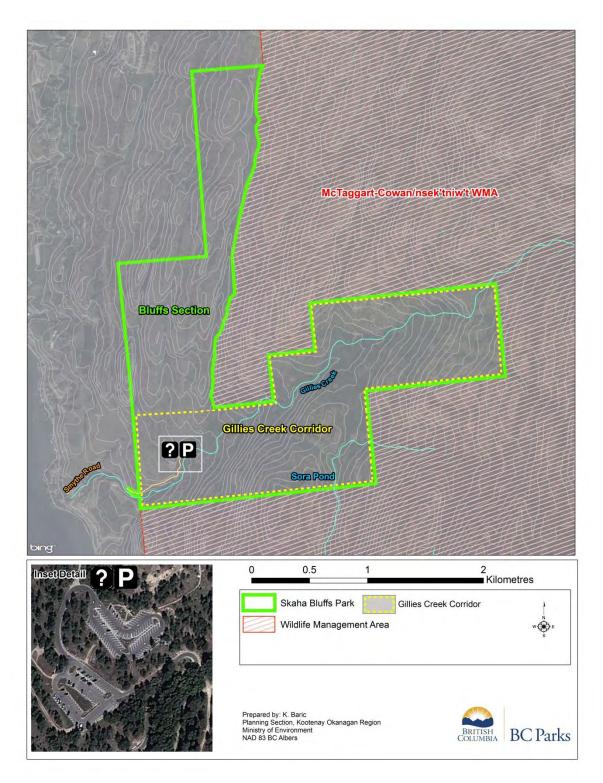


Figure 2: Attributes map of Skaha Bluffs Park.

1.4 Management Commitments/Agreements

Land Use Planning Direction and Recommendations

The Okanagan-Shuswap LRMP provided specific management direction for each proposed protected area identified in the LRMP document, and general management direction for all of the protected areas. Specific direction for the Bluffs Section of the park and the resource management zone (i.e., the Derenzy Bighorn Sheep Habitat RMZ) that lies adjacent to the park is provided in the Okanagan-Shuswap LRMP document.³

Transfer Agreement/Covenant (Nature Conservancy of Canada and The Land Conservancy of BC)

A transfer agreement was signed in February 2012 by the NCC, TLC, and the Province that outlined that Gillies Creek Corridor would be managed as a Class A park and placed under the sole ownership and administration of the Province (as represented by the Ministry of Environment - BC Parks). As part of the legal requirements of the transfer, the NCC and TLC have an obligation to monitor management of the Gillies Creek Corridor.

A registered and legally binding covenant held by NCC and TLC on title for the Gillies Creek Corridor contains various provisions for protecting the land in perpetuity, for the continued protection of the flora, fauna, and natural features, and to enhance and maintain the recreational and cultural heritage values of the Gillies Creek Corridor for park purposes. The NCC and TLC remain active partners in the short and long-term management of the park, through mechanisms provided in both the transfer agreement and the registered covenant.

1.5 Relationship with First Nations

The Province and First Nations governments are working toward a new relationship based on respect, recognition and accommodation of aboriginal rights and interests. The provincial protected areas system contains cultural and natural values that are significant to First Nations. Some parks are important as sources of natural medicines and foods, or as sacred sites.

The land established as Skaha Bluffs Park is located within the consultative areas of the four bands of the Nlaka' pamux Nation (Cook's Ferry, Nooaitch, Coldwater and Siska) and four bands of the Okanagan Nation Alliance (Okanagan, Lower Similkameen, Penticton and Upper Nicola).

The management plan encourages the expansion of relationships between BC Parks and these First Nations in a number of areas to ensure that management of the park considers their traditional uses and values. The management plan will not limit subsequent treaty negotiations, although none of the Okanagan Nation Alliance (ONA) or Nlaka' pamux member bands are currently in the treaty process.

³ The Okanagan-Shuswap LRMP document can be found at <u>https://www.for.gov.bc.ca/tasb/slrp/plan70.html</u>.

1.6 Relationship with Communities

BC Parks maintains a close relationship with the City of Penticton and the Regional District of Okanagan Similkameen to ensure the local communities' needs are considered and, where appropriate, addressed within the management of the park.

There is considerable economic benefit to local communities as the park attracts a high volume of visitors from outside the area. At least two local climbing businesses use the park for rock climbing instruction which adds economic diversity to the local community. Since its establishment, the park has been host to a climber's festival and other events.



Plate 3: A climber's festival within the park in 2011

The City of Penticton and other local communities benefit from increased tourist and local expenditures that directly result from rock climbing activity at Skaha Bluffs (e.g., length of stay, accommodation, and retail purchasing associated with outdoor equipment). In addition, the local guide outfitting business for hunting adds economic diversity to the local communities.



Plate 4: The lower bench parking lot at the time of acquisition in 2008 (left) and fully constructed in 2015 (right).

The local chapter of the Climbers Access Society and Skaha.org liaise with BC Parks operations staff on a variety of climbing related issues. The increasing popularity of the park for hiking and

Skaha Bluffs Park Management Plan

mountain biking has prompted BC Parks to coordinate trail management on the Gillies Creek Corridor portion of the park through a volunteer agreement with the South Okanagan Trail Alliance.



Plate 5: The lower bench parking lot at full capacity (month of May).

1.7 Adjacent Land Use

Urban development associated with the City of Penticton is located immediately west and north of the park. One active grazing tenure (RAN077332) exists on Crown land to the east of the park (see Figure 3). The Crown land base outside of the park falls within the BC Timber Sales (BCTS) 'Skaha' operating area. BCTS does not have any proposed cut blocks or any recently sold timber licences in the vicinity of the park.

The McTaggart-Cowan/nsek'tniw't Wildlife Management Area is located to the east, northeast and southeast of the park. Land designated as agricultural land reserve (primarily private land) occurs west of the park.

In the Crown land context outside of the park, there is a closure for motorized vehicles (for the purposes of hunting), mainly residing with the confines of the McTaggart-Cowan/nsek'tniw't Wildlife Management Area. The balance of Crown land outside of the park is open to motorized conveyances. The park is located within a larger trapping territory (TR0809T020) and guide outfitter territory (certificate no. 800755); however, there is currently no active guide outfitting or trapping occurring within the park.

1.8 Existing Permits and Authorizations

Permits within the park are predominately for commercial recreation, focused on providing clientbased guiding for rock climbing activities. There are two research permits held within the park; these are for vegetation/species at risk monitoring and inventory. A permit for a natural gas line and power line also exists.

Table 1: Current Park Use Permits in Skaha Bluffs Park.

Permit Type	Permit Holder
Commercial Recreation	Association of Canadian Mountain Guides
Commercial Recreation	Thompson Rivers University
Commercial Recreation	Skaha Rock Adventures
Commercial Recreation	Yamnuska Inc.
Commercial Recreation	School District No. 6
Commercial Recreation	College of the Rockies
Commercial Recreation	Mountain Skills Academy Inc.
Commercial Recreation	Hoodoo Adventure Company Ltd.
Commercial Recreation	Okanagan Similkameen Conservation Alliance
Research	University of British Columbia
Research	Birchdale Ecological Ltd.
Land Use Occupancy	Fortis BC*
Park Facility Maintenance	Kaloya Contracting Ltd.

*At the time of writing of this management plan, the land use occupancy permit for Fortis BC was in the process stage. This tenure pre-dated the park's establishment.

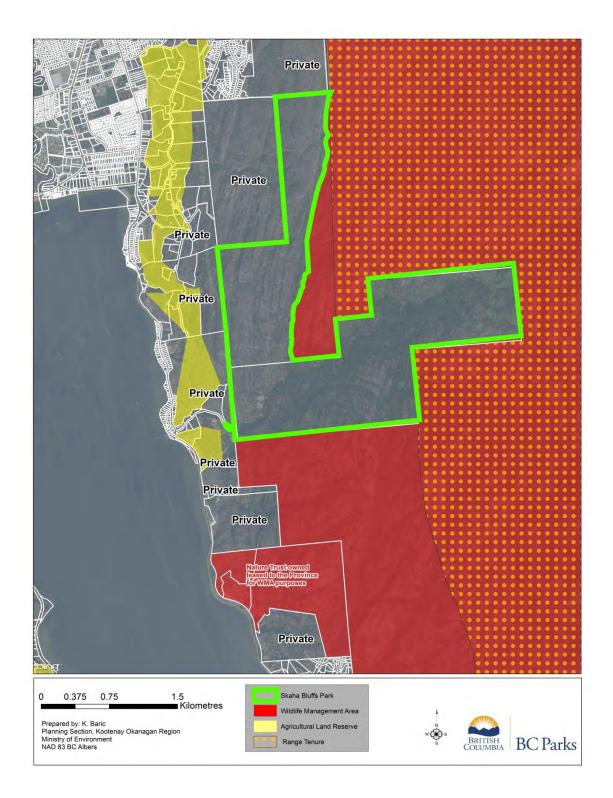


Figure 3: Map of land use/ownership adjacent to Skaha Bluffs Park.

1.9 Management Planning Process

The 2016 Skaha Bluffs Park Management Plan replaces the 2010 Management Direction Statement (IMS), and addresses management issues/opportunities that have arisen since the IMS was written.

The draft management plan was posted on the BC Parks website for public review. In addition, a public information session was held in Penticton (in November 2015) to seek input and comment on the draft management plan. First Nations, local government and regional government were also engaged through mail outs of the draft management plan. Comments received through this engagement process were embodied within the management plan where appropriate. Key stakeholders that helped shape the direction of the management plan included the Climbers Access Society, table members of the Okanagan-Shuswap LRMP, South Okanagan Trail Alliance, and the Nature Conservancy of Canada.



Plate 6: A view of Skaha Lake from the eastern extent of Skaha Bluffs Park.

2.1 Significance in the Protected Areas System

One of the primary roles of Skaha Bluffs Park in the protected areas system of British Columbia is its protection of a world-class rock climbing area (located in the Bluffs Section). The addition of the Gillies Creek Corridor has further enhanced the accessibility of the climbing area within the Bluffs Section while creating a larger area of park land base that is home to a wide range of species. Many of these flora and fauna species, which are considered 'at risk', reside in two of the most under-represented biogeoclimatic subzones in the provincial protected areas network - that of the Ponderosa Pine (Okanagan very dry hot variant) and Interior Douglas-fir (Okanagan very dry hot variant) biogeoclimatic subzones.

The recent establishment of the adjacent McTaggart-Cowan/nsek'tniw't Wildlife Management Area highlights the important role this rugged and scenic landscape plays in protecting essential habitat in the Northern Okanagan Basin Ecosection, an ecosection that is witness to one of the fastest growing areas of development in the province.

2.2 Biodiversity and Natural Heritage Values

Biogeoclimatic Zone Context and Habitat Types

Situated at the convergence of three ecosections, the Northern and Southern Okanagan Basin and the Northern Okanagan Highland ecosections, the biogeoclimatic subzones/variants represented within Skaha Bluffs Park are PPxh1 (Ponderosa Pine – Okanagan very dry hot variant), IDFxh1 (Interior Douglas-fir – Okanagan very dry hot variant), and IDFdm1 (Kettle Dry Mild variant). The Ponderosa Pine and Interior Douglas-fir biogeoclimatic zones listed above are two of the four biogeoclimatic zones in B.C. that are of conservation concern. The Ponderosa Pine zone is ranked S2/S3 (Imperilled/Vulnerable) and the Interior Douglas-fir zone is ranked S3 (Vulnerable). Provincially, the biogeoclimatic subzones in this protected area (PPxh1, IDFdm1 and IDFxh1) are under-represented within the protected areas system. However, because of its small size, the park only serves to slightly increase provincial representation of these biogeoclimatic zones. The Northern Okanagan Basin Ecosection is also under-represented in the protected areas system. The park increases provincial representation of this ecosection to a small degree.

The physiography of the park has a direct effect on the variety of habitats found here. Rugged terrain (i.e., cliffs, crevices, outcroppings and talus), ponderosa pine open forest, wetlands, riparian and the grasslands that occur on the shallow-soiled terraces, combine to provide a variety of essential habitat types. These habitat types include escape terrain, winter range, breeding habitat, migration corridors, hibernacula (for snakes and bats), denning, and foraging areas. Grassland terraces in the western portion of the park are remnant examples of this habitat type.

The majority of the grassland terraces outside of the park along the east side of the Okanagan basin have been impacted by agricultural and residential development. The terraces are dominated by the PPxh1 site series 4 (ponderosa pine – bluebunch wheatgrass). The vegetation is

in good condition with far fewer invasive plants than is typical for this site series throughout its range in B.C.

Terrestrial ecosystem mapping has been conducted for the broader landscape in which the park is situated. This mapping has revealed a high degree of both red- and blue-listed ecological communities spatially located within the park (see Figure 4), some of which overlap in the same land area.

Wildlife trees (trees with special habitat characteristics) are a common feature in the park. Over 70 species of vertebrates in British Columbia are known to be critically dependent on wildlife trees. These wildlife trees support a number of cavity nesters in the park.

The dry, lower elevation forests, comprised mainly of ponderosa pine and interior Douglas-fir, form a mosaic of habitat types along with the grasslands, rugged terrain and riparian areas. The park also contains vestiges of past glacial activity, such as large rock fissures, bedrock scarring and erratics.



Plate 7: Bighorn Sheep utlize the park in all seasons.

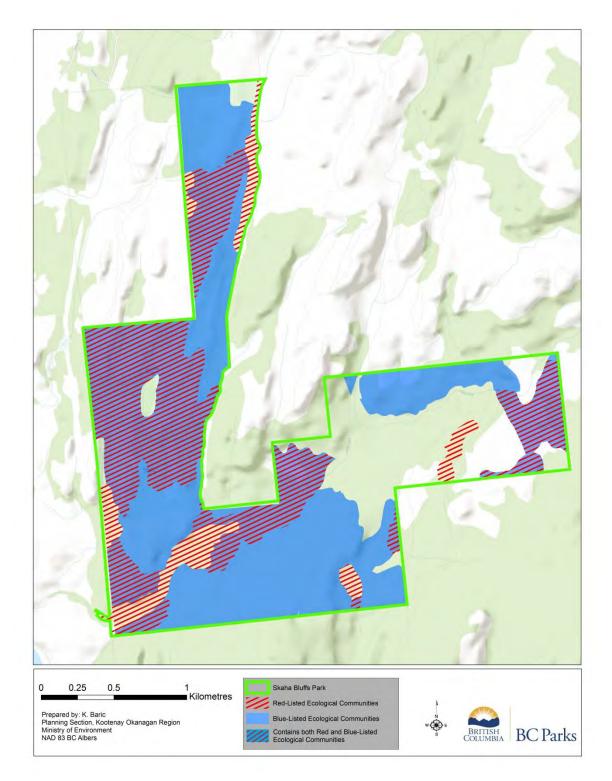


Figure 4: Map of the red- and blue-listed ecological communities within Skaha Bluffs Park.

Radio collaring/tracking and visual inventories indicate that the park protects important travel corridors in all directions. The park retains critical Bighorn Sheep range (for ewes, young of the year and sub-adults during the winter and early spring, summer and fall rut), and is a keystone segment of the north-south migration corridor. Also, the Gillies Creek drainage is one of the few accessible east-west riparian corridors along the east side of Skaha Lake. Riparian areas in the park provide suitable habitat for the red-listed Lewis's Woodpecker and Western Screech Owl *macfarlanei* subspecies. Various swallows (such as the Violet-green Swallow and Tree Swallow), which are aerial insectivores, have been declining in recent years over their historic range but are known to nest within the park.

Gillies Creek contains examples of two red-listed ecological communities (Douglas-fir – water birch / Douglas maple and black cottonwood/water birch). Other, more common, avian species include Clark's Nutcracker, Pygmy Nuthatch, the White-throated Swift, Canyon Wren, Great Horned Owl, Red Crossbills, Vesper Sparrow, Nashville Warbler and Cassin's Finch.



Plate 8: A lone Bighorn Sheep utilizing the escape terrain within the park.



Plate 9: A cougar captured on a wildlife camera located within the park.

Sora Pond⁴, a half-hectare wetland, exists about midway up the southern portion of the park. This pond is important for waterfowl and amphibians, and provides year round drinking water (which is an uncommon occurrence within the park) for numerous species. A number of small ephemeral ponds exist in the park that provide breeding habitat for amphibians, and are zones of high diversity and productivity, providing forage for insectivorous species that live and breed in the park.



Plate 10: Sora Pond located in the upper reaches of Gillies Creek

The McTaggart-Cowan/nsek'tniw't Wildlife Management Area is adjacent to the park, which augments the park's wildlife habitat and connectivity values. Additionally, The Nature Trust of BC (TNT) has purchased conservation land less than one kilometre to the south of the park. The TNT property is connected to the park area by Crown land. Collectively these lands conserve and provide habitat connectivity for wide ranging species of predators including Cougar, Coyote, and Bobcat; and prey such as Bighorn Sheep, White-tailed Deer, and Mule Deer.

⁴ Sora Pond is not a gazetted name for this wetland.



Plate 11: Cup Clover and Flat-Topped Broomrape are two red-listed plant species found within Skaha Bluffs Park. Photo credit Ryan Batten.

Numerous species and ecological communities have been documented within the park (see Table 2). Table 2 is not a comprehensive list of at-risk species present as inventories are currently being developed. A Conservation Risk Assessment (CRA) is in place for the park.⁵



Plate 12: Western Rattlesnakes and Western Screech Owls are residents of the park.

⁵ The Conservation Risk Assessment is the BC Parks database for knowledge about the ecological values within a given park, the means for tracking threats to conservation and management actions, and an assessment of the conservation design for a park.

Table 2: List of Species and Habitat (considered at risk or ranked by the Conservation Framework) within Skaha Bluffs Park.

	Status				
Species	Provincial	COSEWIC	SARA Schedule	Record in park	Conservation Framework Priority
Birds					
Canyon Wren	Blue	Not at Risk	N/A	Confirmed	CF4
Peregrine Falcon <u>anatum</u> subspecies	Red	Special Concern	Listed	Unconfirmed	CF2
Western Screech Owl <u>macfarlanei</u> subspecies	Red	Endangered	Listed	Confirmed	CF1
Common Nighthawk	Yellow	Threatened	Listed	Confirmed	CF2
Violet Green Swallow	Yellow	N/A	N/A	Confirmed	CF2
Gray Flycatcher	Blue	N/A	N/A	Likely; not confirmed	CF2
Lewis's Woodpecker	Red	Threatened	Listed	Confirmed	CF 2
Flammulated Owl	Blue	Special concern	Listed	Likely; not confirmed	CF2
Lark Sparrow	Blue	N/A	N/A	Confirmed	CF2

Mammals					
Bighorn Sheep	Blue	N/A	N/A	Confirmed	CF3
Fringed Myotis	Blue	Data Deficient	Listed	Confirmed	CF3
Spotted Bat	Blue	Special Concern	Listed	Confirmed	CF2
Western Small- footed Myotis	Blue			Confirmed	CF3
Townsend's Big-Eared bat	Blue			Confirmed	CF 2
Little Brown Bat	Yellow	Endangered		Confirmed	CF5
Pallid Bat	Red	Threatened		Likely, not confirmed	CF2
California Myotis	Yellow			Confirmed	CF2
Silver haired Bat	Yellow			Confirmed	CF2

Plants								
Cup clover	Red			Confirmed	CF2			
Flat-topped broomrape	Blue			Confirmed	CF2			
Invertebrates	Invertebrates							
Sagebrush tiger beetle	Blue			Likely; not confirmed	CF2			
Dark Salt Flat Tiger Beetle	Red	Endangered	Listed	Likely; not confirmed	CF1			

		Status			
Species	Provincial	COSEWIC	SARA Schedule	Record in park	Conservation Framework Priority
Reptiles/Amph	ibians				
Gopher Snake	Blue	Threatened	Listed	Confirmed	CF2
Night Snake	Blue	Endangered	Listed	Confirmed	CF1
Racer	Blue	Special Concern	Listed	Confirmed	CF2
Western Rattlesnake	Blue	Threatened	Listed	Confirmed	CF2
Rubber Boa	Yellow	Special Concern		Confirmed	CF1
Western Skink	Blue	Special Concern	Listed	Confirmed	CF1
Great Basin Spadefoot	Blue	Threatened	Listed	Likely; not confirmed	CF1
Western Toad	Yellow	Special Concern	Listed	Confirmed	CF2
Tiger Salamander	Red	Endangered	Listed	Likely; not confirmed	N/A

	Status				
Species	Provincial	COSEWIC	SARA Schedule	Record in park	Conservation Framework Priority
Ecological Com	munities				
Bluebunch wheatgrass – arrowleaf balsamroot	Blue			Confirmed	CF2
Douglas-fir – ponderosa pine / pinegrass	Blue			Confirmed	CF2
Douglas-fir – water birch / Douglas maple	Red			Confirmed	CF1
Black cottonwood/ water birch	Red			Confirmed	CF 1
Ponderosa pine / bluebunch wheatgrass – Idaho fescue	Blue			Confirmed	CF2
Ponderosa pine / bluebunch wheatgrass – rough fescue	Blue			Confirmed	CF2
Ponderosa pine/red three-awn	Blue			Confirmed	CF2

Fire Maintained Ecosystems

Historically, the park landscape and surrounding area has been witness to several forest fires since the early 1920s (see Figure 5), and the forest cover has changed in density and configuration since the early 1930s (see Figure 6). The 1969 and 1994 (Garnet) wildfires were human caused. Wildfire (human caused or lightning caused) is a process that has shaped the forest and grassland plant communities of Skaha Bluffs Park and surrounding area. Fire will undoubtedly continue to play a role in shaping the forest/grasslands characteristics over the coming decades.



Plate 13: Landscape alteration is still visible from the 1994 Garnet Wildfire.



Plate 14: Past glacial activity is evident on the landscape within the park, as shown by these erratics.

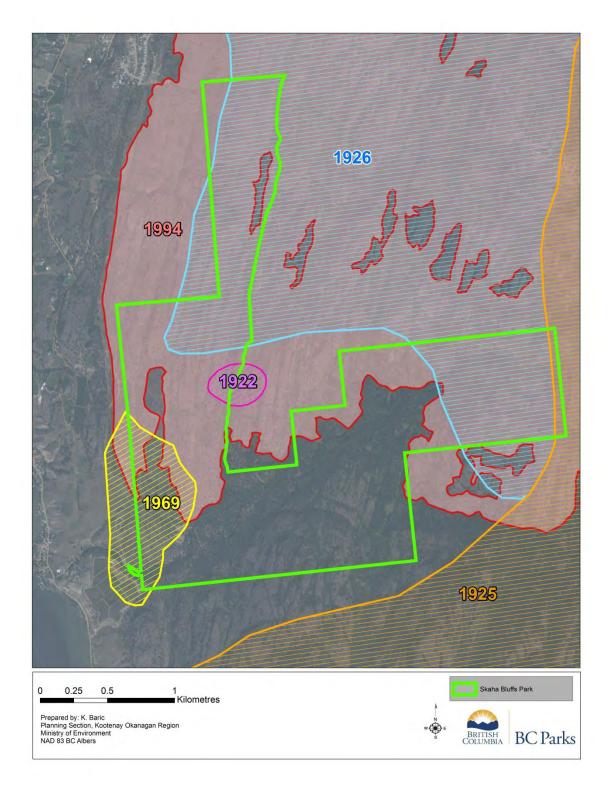


Figure 5: Map of the fire history (polygon extent) that has affected the land base over several decades in the vicinity of Skaha Bluffs Park.

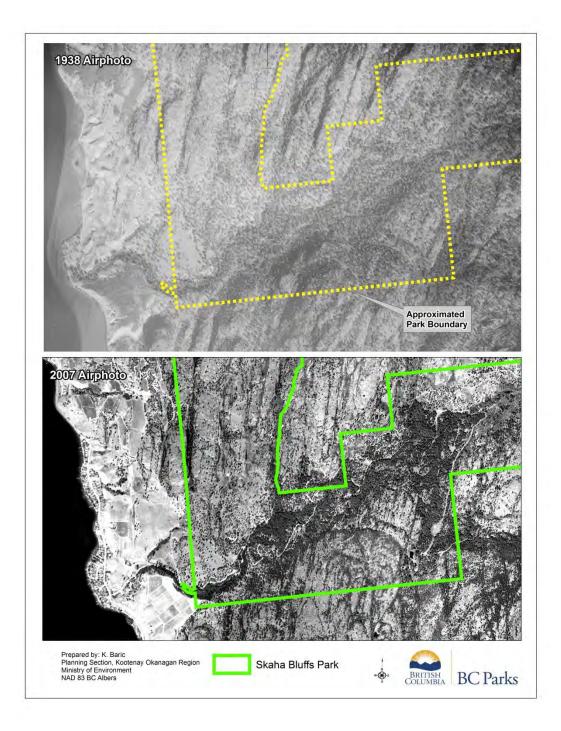


Figure 6: Airphoto comparison of a portion of Skaha Bluffs Park and surrounding area.

2.3 Cultural Values

Aboriginal Cultural Values

Prior to colonial times, the area was frequented by First Nations. A traditional travel route is located west of and through a portion of the park. Several registered archaeological sites have been recorded along this traditional travel route, outside of the park boundary. Although there are no registered archaeological sites within the park boundary, pre-contact use of the area is highly probable. The Okanagan Nation has several place names associated with the park such as tu2ikan (Skaha Bluffs) – which translated means "the large crack that appears on the side of the mountain at the bluffs". The crack runs north and south, parallel to Skaha Lake.

Prior to park infrastructure development, a 2008 archaeological assessment of the access road and parking lot areas did not result in any archaeological findings. In 2010, the Okanagan Nation (Syilx) conducted an Aboriginal Interest and Use Study for the park.



Plate 15: Pictographs are located near the park boundary along a pre-colonial First Nations travel route.

Skaha Bluffs were traditionally used and continue to be used by the Syilx people for plant harvesting. A variety of plants, including medicines, berries, and roots, were harvested at the bluffs. The Traditional Ecological Knowledge group of the Syilx has indicated that access to the bluffs is important for cultural purposes and the livelihood of the Syilx people. For many years, access to harvesting was limited because of private land blocking traditional access routes.

First Nations education and interpretation (for First Nations youth and students) takes place within the park and there are opportunities for cross-cultural training that would be facilitated by First Nations.

The adjacent McTaggart-Cowan/nsek'tniw't Wildlife Management Area is also important to the Penticton Indian Band who provided a Syilx language name for the site. The word, ns'k'niw't, is roughly translated from the Syilx language as "a gash on the side". The name refers to the portion of the trail used by First Nations winding up and alongside a steep walled canyon south of the Skaha Bluffs for travel, trade, and to access medicine gathering areas.

Non-aboriginal Cultural Values

The park contains vestiges of turn of the century agricultural and forestry practices. A former culvert water system was in place in the early 1900s and remnants of the system's infrastructure are still in place (e.g., concrete junction boxes). The water system was used to irrigate agricultural fields that once resided on the terraces below the park. Gillies Creek Road was most likely put in place to facilitate logging activities in the upper reaches of Gillies Creek Corridor. Today, the road is impassible for vehicle traffic (except for all terrain vehicles utilized for park operations) beyond the yellow gate below the main parking lot area.

2.4 Recreation Values

Rock Climbing

The Bluffs Section is a world-renowned recreation destination for rock climbing enthusiasts, specifically 'sport climbers'.⁶ The collection of gneissic⁷ cliffs in the Bluffs Section of the park contain numerous established climbing areas, with routes that range from entry-level to expert climbs, providing a variety of climbing experiences for area residents and visitors. Guided climbing (instructor/client-based) has also become a mainstay of activity within the park.

The bluffs are unique to the area, containing several long canyons trending north-south, lined with rock walls up to 80 metres in height. Impressive fortress-like stone formations, with deep ravines, give the area a primeval quality. These areas had long been a popular destination for rock-climbing enthusiasts, but the addition of Gillies Creek Corridor legalized and secured the public access to the climbing areas on Crown land (i.e., the Bluffs Section) after many years of unofficial status.



Plate 16: Massive gneissic walls beckon rock climbers.

⁶ Sport climbing is a form of rock climbing that relies on permanent anchors and bolts fixed to the rock.

⁷ Banded, or layered, metamorphic rock.

Hiking

An established trail network in and around the rock climbing areas as well as up the Gillies Creek corridor provides intermediate and advanced level hiking access (see Figure 7). These trails provide nature and recreation enthusiasts with panoramic views of the Okanagan Valley, the City of Penticton and Skaha Lake. Wildlife viewing is often a key component of hiking activity within the park, as Bighorn Sheep can be readily observed within close proximity of trails emanating from the parking area.



Plate 17: Parks staff extending the rock stairs along the Red Tail Trail.

Mountain Biking

The popularity of mountain biking has grown considerably since the establishment of the park. Currently, there are four multi-use trails on the Gillies Creek Corridor portion of the park that attract mountain bikers throughout the year. Many of the trails link to other trails on Crown land within the adjacent wildlife management area (see Figure 7). The management intent of Gillies Creek Corridor is the protection of species and ecosystems; as such, no further trail development is being considered.

Facilities

The park contains two large parking lots located at the terminus of the 850 metre access road that travels up the Gillies Creek Corridor. Two kiosks and two pit toilets are located at the lower bench parking lot (75 vehicle capacity), and one kiosk and two pit toilets are located at the upper bench parking lot (96 vehicle capacity). Within the climbing areas of the park there are three pit toilets and one composting toilet.



Plate 18: The composting toilet located within a high use climbing area of the park.



Plate 19: Trails leading from the two parking lots are located on an easy grade and suitable for families.



Plate 20: Higher elevations in Skaha Bluffs offer spectacular views of Okanagan Lake.



Plate 21: Most trails within Skaha Bluffs Park are single track and are shared by wildlife (e.g., Rubber Boa located not far from a trail edge).

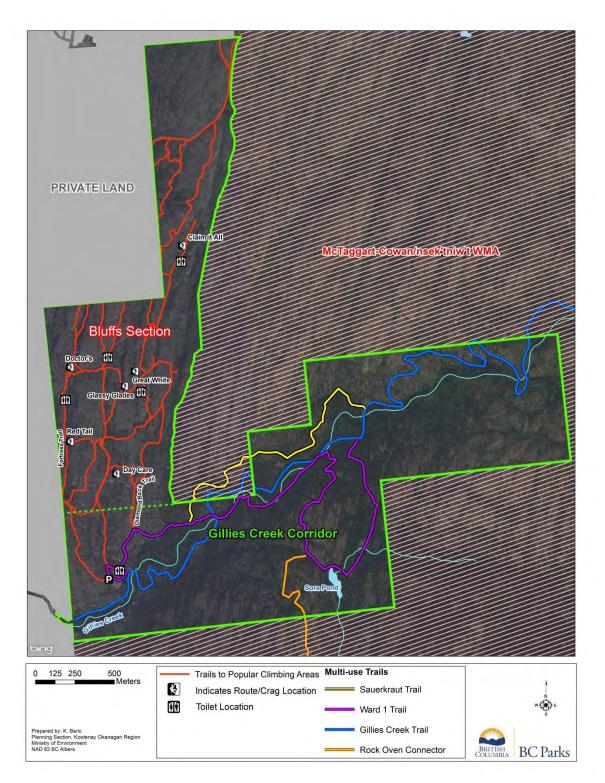


Figure 7: Map of the recreational trails within Skaha Bluffs Park.

2.5 Research and Education

Starting with the securement of SL 18 (Gillies Creek Corridor) by the NCC, TLC, and the Province, the Nature Conservancy of Canada embarked on a comprehensive baseline inventory which focussed on ecological and anthropogenic conditions of the Gillies Creek Corridor. This document continues to provide excellent information on species occurrence for wildlife and vegetation.

Ongoing monitoring and species inventory has occurred within the park since its establishment, with particular emphasis on "at risk" species such as Bighorn Sheep, reptile and bat species.

The park holds great potential to explore a variety of research and education projects, including, but not limited to, the following:

- Focused study of Bighorn Sheep that utilize the park and what influences the high recreational use may be having on critical lambing areas and behaviour;
- Species at risk study and monitoring;
- Public education and scientific research on the park's unique geological history; and,
- First Nations cultural/traditional use (spanning from pre-historic to contemporary).



Plate 22: Research and monitoring is a key element of management within Skaha Bluffs Park (Photo credit left- Lucy Reiss, photo credit right- NCC)

2.6 Climate Change

Protected area management objectives typically aim at sustaining traditional or current representative ecosystems and species, but may be thwarted by climatic changes that continue to alter the ecology of the area more rapidly than anticipated. Such alterations may be subtle, but more dramatic natural disturbances such as wildfire, insects and disease are also likely to increase in frequency and severity.

Ultimately, changing temperature and precipitation regimes in a particular area will alter the historical complement of plant and animal species, affect water supplies and potentially change traditional recreational use patterns. With the ongoing effects of human land use activities outside protected areas already applying pressures on both 'at risk' and representative species and ecosystems, ecological inventory and monitoring work at the park level can help inform land managers about the effects of climate changes in the absence of intense human land use. Park managers must better understand to what extent climate change effects can or should be tempered within parks to help natural systems adjust to support species that might otherwise be naturally extirpated or to mitigate possible negative impacts on recreational use and public safety.

Climate change may noticeably affect the current natural systems within Skaha Bluffs Park. Changes projected over the next fifty years include:

- general warming, particularly in winter, and higher winter precipitation;
- increased frequency and severity of natural processes such as wildfires, forest insect infestations and droughts;
- changes in hydrology, including the reduction of snowpack at higher elevations and the timing
 of peak flows and low-water events;
- increase in weedy species that outcompete native vegetation in drought conditions;
- extirpation of some plant and animal species, for example, those in ecological pockets such as microclimates, or at the limits of their range; and,
- changes in ecosystem composition and structure.

Maintaining healthy resilient ecosystems plays a key role in providing refugia for indigenous flora and fauna species and maintaining ecosystem function as climate continues to change and species adapt. As species' home ranges shift due to climate change, Skaha Bluffs Park can be a baseline indicator for the surrounding areas with human land use and 'stepping stone' for species movement where development in the Okanagan valley typically forms a barrier.

3.0 Management Direction

3.1 Management Objectives and Strategies

3.1.1 Biodiversity and Natural Heritage Values

There is baseline ecological information (e.g., current species inventory, ecosystem mapping and invasive plant inventory) available for the Gillies Creek Corridor, but this information does require updating and can be enhanced through further research.

The Bluffs Section of the park has limited baseline ecological information; however, some study and research have been ongoing within the park such as monitoring of Bighorn Sheep movement, snake and bat hibernacula as well as bat use and roosting locations. There is concern that recreational activity may be negatively affecting species that reside within the park (e.g., bat and cliff nesting birds, Bighorn Sheep and snakes). Other non-anthropogenic stressors on some species, such as bats (e.g., White Nose Syndrome), may also be affecting population dynamics.

Obtaining up to date information will allow better management of park values during projects such as trail and climbing route development or deactivation/restoration, creating new/upgrading facilities and when new permit applications or proposals come forward. This information can also lead to better management of visitor use to minimize impacts on park values.

Under the federal *Species at Risk Act* there is an initiative underway to identify critical habitat that may pertain to provincial Crown lands, including Skaha Bluffs Park. Critical habitat is necessary for the survival or recovery of a listed wildlife species and that is identified as the species' critical habitat in a recovery strategy or in an action plan for the species. It is likely that critical habitat will be identified in the future within the park for such species as Lewis's Woodpecker, Common Nighthawk and Little Brown Bat.

Currently, the park does allow for dogs on leash. However, over the past several years, the popularity of the park has brought with it an increased number of dogs. Numerous signs and compliance and enforcement efforts are ongoing, but the trend is that dogs are continually observed off leash within the park. Dogs can be highly disruptive to native fauna (e.g., Bighorn Sheep, snake species) and if venturing off trail can damage sensitive vegetation.

Management Objectives	Management Strategies
Conserve biodiversity and natural heritage values.	 Continue to undertake thorough inventories of species and ecosystems within all areas of the park. This includes monitoring (e.g., for changes in movement corridor behaviour) of wildlife species (e.g., Bighorn Sheep, rare reptiles- snakes, cliff nesting birds and bats), particularly those considered 'at risk'. Work with government and non-governmental partners to achieve this objective. Do not allow any development in Special Feature Zones (with particular emphasis on the environmental valuable resource area detailed in SFZ1). Recommend an amendment to the <i>Park, Conservancy and Recreation Area Regulation</i> to include Skaha Bluffs Park as a park that prohibits aircraft arrivals and departures. Continue to promote rock climbing activities only within the Bluffs Section

of the park.

- Ensure no further recreational use or facility development outside of current approved activities/facilities within the Gillies Creek Corridor.
- Develop and implement an Ecosystem Management and Restoration Plan with emphasis on attempting to restore and maintain historical/native riparian and grasslands values, managing for fire-maintained ecosystems, and controlling invasive plant spread. Use and build upon existing baseline ecological data.
- Coordinate with the Ministry of Forests, Lands and Natural Resource Operations (MFLNRO) on their efforts to maintain healthy Bighorn Sheep populations consistent with the goals, objectives and actions of the South Okanagan Valley Bighorn Sheep Recovery Plan (2002). Support additional efforts and long-term planning initiatives led by MFLNRO (with possible collaboration with NCC) that aim to enhance management of Bighorn populations within the park.
- Limit human interference within habitat for Bighorn Sheep, bats, cliff nesting birds, and snakes. Seasonal closures of select portions of the park to the general public may be employed to assist in the protection of essential habitat and minimize disturbance.
- Employ the necessary management approaches to address federally designated 'critical habitat' (if or when it is designated within the park).
- Monitor recreational impacts on priority species and ecosystem values.
- Subject to direction contained within an Ecosystem Management and Restoration Plan, balance conservation values with recreational activities; develop a carrying capacity framework that considers limits of acceptable change* especially in high use recreation areas. (*The Limits of Acceptable Change process focuses on human-induced impacts to the environment. Recreation researchers developed this process to determine how much human-induced change is acceptable over a specific land area.)
- Through close collaboration with the MFLNRO, ensure management of adjacent Crown land (e.g., McTaggart-Cowan/nsek'tniw't Wildlife Management Area) considers the overall objectives of the park.
- Prevent unauthorized motor vehicle use of trail routes and non-designated roads by gating access points, posting appropriate signage, and utilizing enforcement and compliance tools.
- Continue to rehabilitate/restore damaged areas and protect from incidental off-road vehicle use.
- Ensure incidental cattle trespass is dealt with promptly.
- Through park use permit provisions, ensure the Fortis gas line and power line right of ways are monitored and mitigate any habitat/vegetation disturbances associated with these structures and their maintenance.
- Monitor wildlife mortality associated with increased visitor use of park access (i.e., paved parking lot and upgraded road entrance). Support initiatives that reduce wildlife mortality where observed. Ensure maintenance of passive speed deterrents that have been incorporated into the road design and post signage to alert visitors to wildlife crossing.

•	Management decisions related to Bighorn Sheep will be made in collaboration with the Wildlife Branch (MFLNRO), NCC and TLC, and in consultation with First Nations and stakeholder groups. Within the Gillies Creek Corridor portion, this will include determination of appropriate level of hunting/guide outfitting activities to ensure achievement of 'conservation objectives' and minimize threat to 'conservation target' viability (both NCC conservation tools).
•	To avoid potential conflicts between domestic animals and wildlife, monitor and enforce visitor compliance with mandatory dog on-leash park regulation (<i>Park Act: Park, Conservancy and Recreation Area Regulation</i> , section 19).
•	Should dog off leash infractions continue to increase, closures may be invoked (either seasonal closures or all-year round).

3.1.2 Recreation Values

Despite its small size, the park is a backdrop for many recreational activities. Visitors to the park number in excess of 75,000 per year. Although a vast majority of the use is from rock climbers, other activities such as hiking and mountain biking are growing in popularity in the park. With such high levels of use, ensuring a balanced approach is required so that the visitor use experience and park values are not compromised.

The popularity of the park with groups utilizing client-based rock climbing instruction has created conditions whereby key routes and climbing areas of the park have become congested to the point of affecting visitor and client satisfaction.

Management Objectives	Management Strategies
Maintain recreation values and opportunities.	 Utilize park zoning to avoid user conflict (i.e., linear hike-in only corridors for rock climbing visitors). Provide for continued access to recreational activities (e.g., hiking, horse riding, mountain biking, hunting, rock climbing, wildlife viewing and nature appreciation) in areas appropriate for such use, balanced with conservation objectives outlined in this management plan. Explore opportunities to broaden visitor experiences to include facilities which support those with physical challenges. Monitor visitor access and parking areas and develop strategies to avoid congestion, address safety concerns and security issues (e.g., liaison with the Climbers Access Society), and minimize impacts to grasslands and sensitive areas. Due to safety issues with snow/ice, continue with seasonal closures of the main paved access road (Gillies Creek Road) from early December to the beginning of March. In cooperation with the local climber community, develop a Rock Climbing Stewardship and Opportunities Strategy for the Bluffs Section of the park. In an effort to reduce congestion and impact to park values and visitor experience, investigate a competitive permit process for commercial

	operators which emphasizes a points system for seasoned/qualified commercial operators. The permit system would determine location, timelines and scheduling to avoid user/commercial operator conflicts in popular climbing areas of the park.
•	Assess the feasibility of the construction of a climbers meeting 'hub' that contains a covered shelter and day use facilities (e.g., picnic tables, kiosks) that is located close to the lower bench parking lot (Intensive Recreation Zone).
•	Ensure the public is well informed of risks associated with rock climbing and hiking in rugged terrain.
•	Ensure park users are aware through signage and outreach (e.g., BC Parks website) that access to adjacent private lands requires permission of the land owner.
•	Monitoring strategies for guide outfitting will be established according to provincial and regional protocols. The guide outfitter will require a park use permit if operating within the park and be required to provide annual reporting of activities. The guide outfitter cannot create or use accommodation- spike camps/permanent camps or motorized conveyances to aid in hunting activity.
•	For climbing-related activities, ensure consistency with the BC Parks Public Safety and Security Risk Assessment and prepare a safety and rescue plan in conjunction with the local RCMP, Provincial Emergency Program and Emergency Health Services.

3.1.3 Cultural Values

Pre-contact travel routes are known to have passed through the park and there is a high probability that cultural sites and previously unrecorded archaeological sites exist within the park.

Management Objectives	Management Strategies
To protect cultural heritage values existing within the park and to manage collaboratively with First Nations.	 Work with First Nations to inventory cultural heritage values (e.g., encourage traditional use studies). If cultural sites are located and in consultation with First Nations, utilize Special Feature/Cultural zoning, buffer any identified First Nations traditional use archaeological sites from current recreation activities. Emphasize the importance of protecting and enhancing 'traditional use management and techniques'. Identify cultural heritage values and ensure continued access for First Nations traditional uses, subject to conservation, health and safety concerns. Develop interpretation opportunities, where appropriate, that emphasize the importance of the area to First Nations but respect the sensitivity of cultural values. Encourage First Nations contribution to interpretation signage/information at identified locations (e.g., kiosks/trail heads).

3.1.4 Climate Change

It is apparent that global climate change will continue to alter weather patterns, hydrology and species composition, with resulting effects on ecosystem processes, fish and wildlife habitats, and human activity. At the protected area level, ongoing monitoring of key environmental elements and the rate at which they may be changing can help managers to identify and assess management options. Such efforts within the park will maximize opportunities and minimize negative climate change impacts within the park.

Management Objectives	Management Strategies
To increase knowledge of ecological components and processes within the park and an understanding of their response to climate change.	 Conduct reconnaissance level habitat inventory and develop a species list for the park, preferably in coordination with similar efforts for the surrounding area. Place emphasis on inventory of those areas with present or projected recreational uses and on those areas such as wetlands that may have species at risk or unusual species diversity, or may be particularly sensitive to climate change. Explore the past natural disturbance interval and manage fire to avoid extreme events. Develop adaptive strategies that allow species and ecosystems to connect across the landscape.
To improve understanding of park hydrology particularly as it relates to climate change effects.	 Draw on historical hydrological data, ongoing monitoring systems (e.g., Long Term Ecological Monitoring) inside and outside the park and projections of climate change effects to develop long-term hydrological forecasts for the park and key aquatic habitats for species at risk, etc.

3.2 Zoning Plan

This management plan uses zoning to assist in the planning and management of Skaha Bluffs Park. In general terms, zoning divides an area into logical units to apply consistent management objectives for protection of protected area values. Zones reflect the intended land use, existing patterns of use, degree of human use desired, and level of management and development allowed in the zone. Zoning provides visitors and managers with a quick visual representation and appreciation of how a particular protected area is managed. Zoning is mandatory for all protected areas except ecological reserves.

Skaha Bluffs Park is separated into three management planning zones: Nature Recreation, Intensive Recreation, and Special Feature. This zoning is intended to concentrate and focus recreation use to appropriate areas which can support current and future public use without having detrimental impacts on the park's sensitive ecosystems and cultural heritage values.

Nature Recreation Zones (Polygon and Linear)

Nature Recreation Zone- Polygon (NRZ-P)

The area encompassing the Nature Recreation Zone - Polygon is approximately 179 hectares (37 percent of the park). This polygon zone encompasses the entire Bluffs Section of the park.

Nature Recreation Zone- Linear (NRZ- L)

The linear zone around the designated trails (identified in Figure 8 and 9 as Nature Recreation Zone-Linear) is 6 metres wide (3 metres each side from the centerline of the trail) and is designed to provide a buffer for the sensitive areas zoned as Special Feature. Total area of this zone is 12 hectares (2.4 percent of the park).

Objective and Management Intent

The objective of these zones (NRZ- P and NRZ- L) is to protect scenic values and to provide for appropriate recreation opportunities in a largely undisturbed natural environment.

Although the Bluffs Section (zoned as Nature Recreation) is set aside primarily for rock climbing, in the future, some areas of the Nature Recreation Zone may be identified as containing sensitive values. Special Feature zoning may be applied to these areas if deemed necessary to provide enhanced protection of biodiversity.

Intensive Recreation Zones (Polygon and Linear)

Intensive Recreation Zone- Polygon (IRZ- P)

Description

The area identified as Intensive Recreation Zone- Polygon is approximately 0.9 hectares (0.18 percent of the park). The zone includes the lower bench parking lot at the terminus of the paved road and the upper bench parking lot immediately above (to the east) of the main parking lot. A small area in the Intensive Recreation Zone- Polygon below the lower bench parking lot has been identified as a feasible site for a covered picnic and day-use shelter.

Intensive Recreation Zone-Linear (IRZ-L)

This linear zone includes the paved access road along the lower reaches of Gillies Creek (i.e., Gillies Creek Road) as well as the connector road between the lower bench and upper bench parking lots. Total area for this zone is 0.6 hectares (or 0.12 percent of the park).

Objective and Management Intent

The objective of these zones (IRZ- P and IRZ- L) is to provide facilities for visitor use.

Special Feature Zones (1 and 2)

Special Feature Zone- 1 (SFZ- 1)

Description

Special Feature Zone-1 (SFZ-1) contains environmentally valuable resources (e.g., extensive intact grassland plant communities).

Objective and Management Intent

No development will be permitted (i.e., park administration/management or recreational facilities) within the SFZ- 1. Total area for this zone within the park is 6.5 hectares (or 1.3 percent of the park).

Special Feature Zone- 2 (SFZ- 2)

Description

The area encompassing the Special Feature Zone- 2 (SFZ- 2) represents a total of 290 hectares (59 percent of the park). This zone encompasses the full extent of the Gillies Creek Corridor with the exception of the areas zoned as Intensive Recreation Zone- Polygon, Nature Recreation Zone-Linear, and Special Feature Zone- 1.

Objective and Management Intent

The objective of the SFZ- 2 zone is to protect significant natural and/or cultural resources, features or processes because of their special character, fragility and heritage values.

This area has been identified as a Special Feature in order to preserve habitat and wildlife values along the Gillies Creek Corridor, grassland benches at the western end of the Gillies Creek Corridor and the open/closed forest and steep cliff terrain of the corridor.

The Gillies Creek Corridor contains sensitive wetland, riparian, grassland and forest habitats and known at risk species and ecological communities (i.e., red- and blue-listed). The sensitive grassland benches contain known at risk species and ecological communities, the middle to higher elevations of Special Feature Zone- 2 contain escape terrain critical to Bighorn Sheep. There will be no further recreational use or facility development outside of current approved activities/facilities within the Gillies Creek Corridor. Trail access through the Special Feature Zone- 2 is accommodated using a linear Nature Recreation zoning strategy (i.e., Nature Recreation Zone-Linear trail allowance of 6 metres).

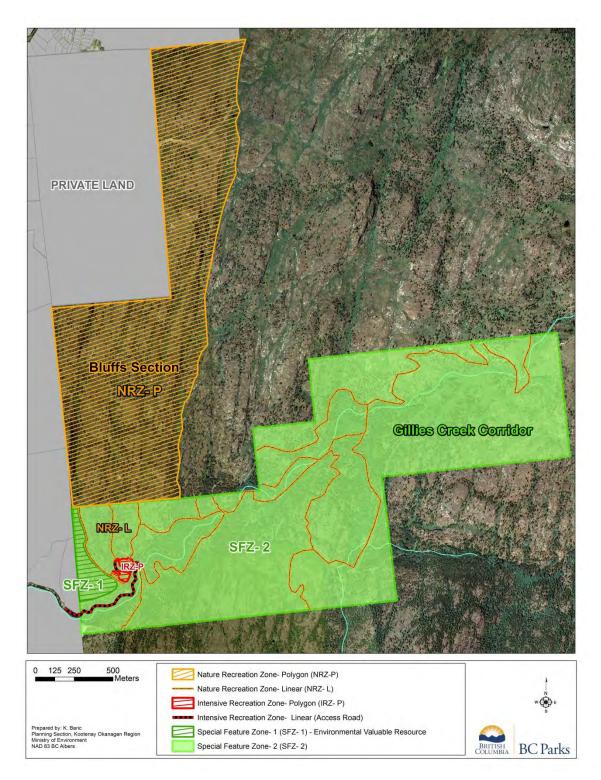


Figure 8: Zoning map of Skaha Bluffs Park.

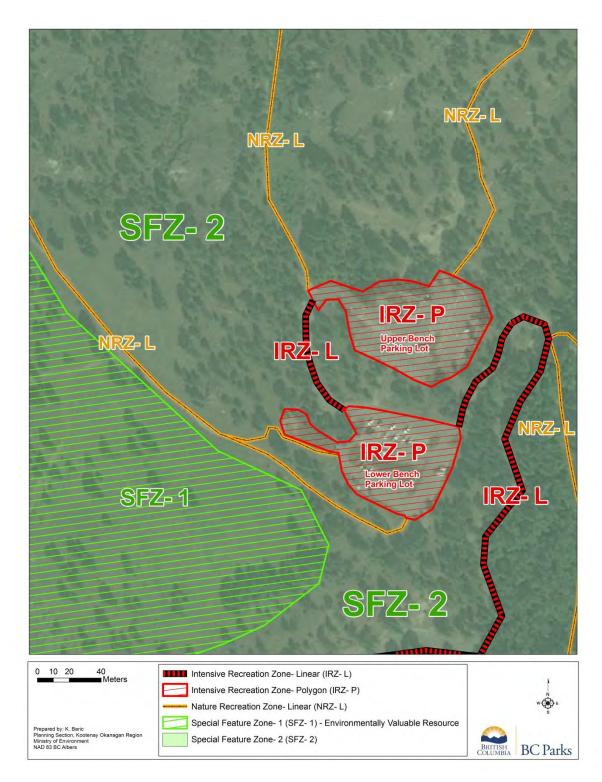


Figure 9: Detailed configuration of the zones in main parking and convergence area of Skaha Bluffs Park.

4.0 Plan Implementation

4.1 Implementation Plan

BC Parks will seek project-specific funding and partners to implement many of the strategies embodied within this management plan and some strategies will be considered a higher priority than others (based on several factors such as minimizing impacts to ecosystem values). Moreover, specific projects will be evaluated for their priority in relation to the overall protected areas system. Many of the initiatives contemplated are not funded as part of core BC Parks activities so jointly seeking funds with outside partners will be a key aspect of the management plan implementation.

4.2 Plan Validity Assessment and Review

In order to ensure the management of Skaha Bluffs Park remains relevant, BC Parks staff will complete an internal assessment of this management plan every 5 years at which time minor administrative updates may be identified and completed (e.g., update protected area details or maps where needed, etc.).

If the internal assessment reveals that management direction is no longer adequate, a formal review by BC Parks, First Nations and stakeholders will be completed to determine whether a plan amendment or a new plan is required. A formal plan review and amendment process would include an opportunity for public input. Any management plan amendments or initiation of new management plan direction must be approved in writing by the covenant holders and BC Parks.

Appendix 1: Appropriate Use Table

The following table lists existing and potential future uses in Skaha Bluffs Park. This is not an exhaustive list of uses that may be considered in this park.

The table is provided to summarize the uses which the management planning process has confirmed are not appropriate in the park. The table also gives a general indication of the management direction for other uses. The table must be reviewed in conjunction with the other sections of the management plan, including the role descriptions, vision, objectives and strategies.

Appropriate Use Table Legend					
N	Not an appropriate use	The use is not appropriate in the indicated zone. If the use currently exists but the management planning process has determined that the use is no longer appropriate in all or part of the protected area, the management plan will include strategies for ending the activity (e.g., phasing out, closing).			
Y	<u>May</u> be an appropriate use	Some level or extent of this use may be appropriate in the zone(s) indicated. If the activity/use already exists, the management plan provides guidance on the appropriate level of use and may address specific restrictions or planned enhancements (e.g., capacity, designated areas for a particular activity, party size, time of year, etc.).			
		For new or expanded uses, this symbol indicates that the use <u>may be</u> <u>considered</u> for further evaluation and approval. The appropriateness of some activities may not be confirmed until a further assessment (e.g., BC Parks Impacts Assessment Process) or evaluation process (e.g., park use permit adjudication) is completed.			

	Creatial	Createl	Natura	latonsius	Commente
	Special	Special	Nature	Intensive	Comments
	Feature	Feature	Recreation	Recreation	
	Zone- 1	Zone- 2	Zones	Zones	
			(NRZ- L	(IRZ-L and	
			and NRZ-P)	IRZ- P)	
Activities/Uses				1	
Aircraft Landing and Takeoff	N	N	N	N	Current
					regulations will
					need to be
					changed to
					ensure
					prohibition of
					non-commercial
					aircraft landing
					and takeoff.
Camping – designated sites	N	N	N	N	
Camping – wilderness style-	N	N	N	Ν	
undesignated sites)					
Camping – no trace (backpacking)	N	N	N	N	
Commercial recreation (facility-	N	N	N	N	
based) Commercial recreation (non-	N	Y	Y	Y	Park use permit
facility based)	IN	Y	ř	Ŷ	required.
	N	Y	Y	Y	
Filming (commercial)	IN	Y	ř	ř	Park use permit
Grazing (domestic livestock)	N	N	N	N	required.
Rock Climbing/Bouldering	N	N	Y	N	NRZ-P only
Kock Climbing/Boundering	IN		1	IN IN	(Bluffs Section)
Hiking	Y	Y	Y	Y	(Blains Beetlon)
Hang Gliding and Para Gliding	N	N	N	N	
Launching					
Horse use/pack animals (not	N	N	Y	Y	NRZ-L and IRZ-L
exotic)					zones only.
Hunting	N	Y	Y	N	,
Land-based mechanized activity	N	N	Y	Y	NRZ-L and IRZ-L
(e.g., mountain biking)			1	'	zones only.
Land-based motorized activity	N	N	N	Y	Park entrance
(e.g., 4X4, motocross, ATV- not	IN	IN	IN	T	road only.
					•
including snowmobiles or aircraft					Licenced
landings)					highway vehicles
Snowmobiling	N	N	N	N	only. If a park use
Showmobiling	IN I			11	permit is issued
					in the future for
					trapping,
					snowmobiling is
					allowed only for
					licenced
					trapping
					purposes (NRZ-P
					only).

Skaha Bluffs Park Management Plan

	Special Feature Zone- 1	Special Feature Zone- 2	Nature Recreation Zones (NRZ- L and NRZ-P)	Intensive Recreation Zones (IRZ-L and IRZ- P)	Comments
Skiing (backcountry-unassisted)	Ν	N	Y	Ν	Only on NRZ-L and NRZ-P zone.
Trapping	N	Ν	Y	N	
Facilities/Infrastructure					
Administrative buildings and compounds	Ν	Ν	Ν	Ν	
Backcountry huts and shelters	N	N	N	Y	Future day-use climbers/hikers shelter on lower bench (IRZ-P only).
Campgrounds	Ν	Ν	Ν	Ν	
Interpretation and Information Buildings	N	Ν	N	Y	Interpretation kiosks only.
Communication sites	Ν	Ν	Ν	N	
Utility Corridors (power/transmission lines and other rights-of-way)	Y	N	Y	Ν	Existing Rights of Way only, as authorized under park use permit.
Roads and parking lots	Ν	N	N	Y	As identified (IRZ- P and IRZ- L). Paved entrance road will be subject to seasonal closure (winter).
Trails (hiking, cross-country skiing, mountain biking)	N	N	Y	Y	Only within NR and IR zones.