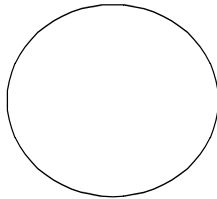


***A Guide to the  
Cranbrook Hill Greenway***

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*First Edition*

*Prepared by  
Natalie Ciolfitto*

**Cranbrook Hill Greenway Society**  
Prince George, B.C.

Acknowledgments

## Acknowledgments

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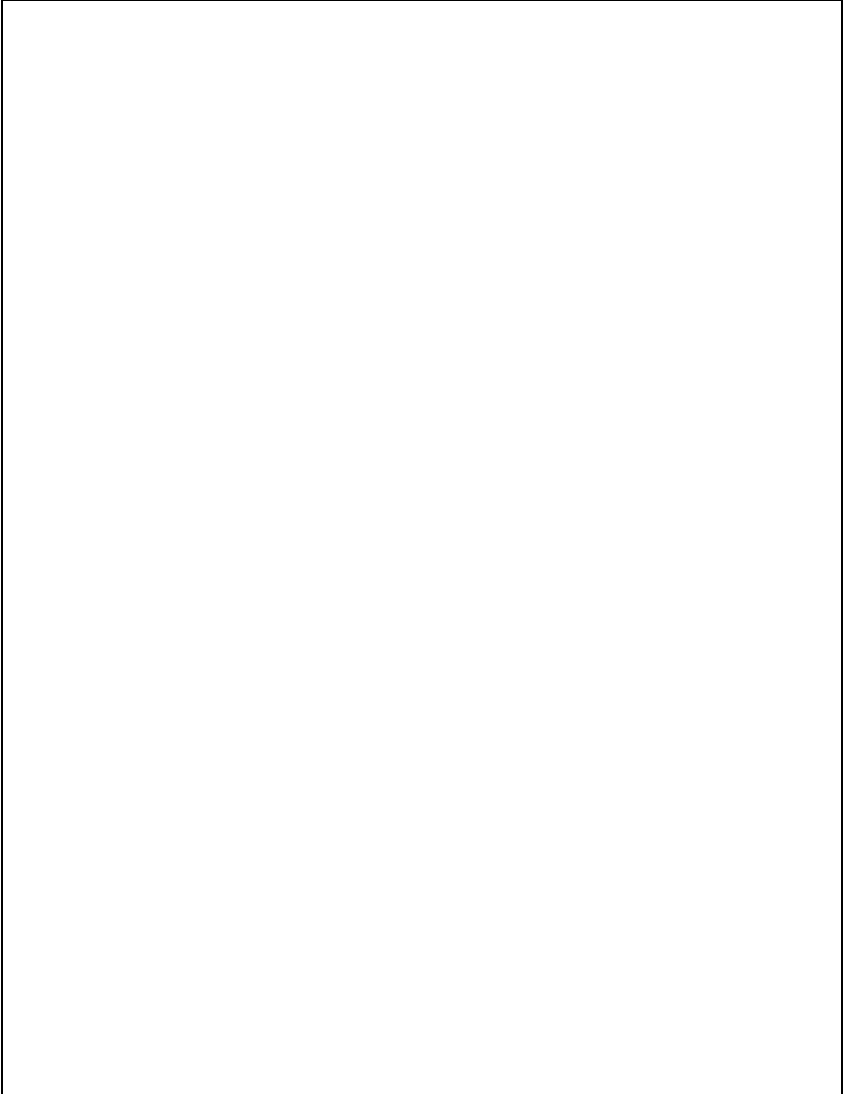
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## **Cranbrook Hill Greenway Map**





## **Section 1: Introduction**

### **What are Greenways?**

---

The concept of “greenways” is fairly new having evolved from work in the USA where the first greenways were established in the mid-seventies. A greenway is a linear open space established along either a natural corridor, such as a river front, stream valley, or ridgeline, or over land along a railroad right-of-way converted to recreational use, a canal, scenic road, or other route. It is any natural or landscaped course for pedestrians, equestrian or bicycle passage; or open space connector linking parks, natural reserves, wildlife habitat corridor, cultural features, or historic sites with each other and with populated areas or a certain strip of linear park designated as parkway or greenbelt (paraphrased from Little, C. Greenways for America 1990).

The Cranbrook Hill Greenway is a mixture between two greenway types hoping to achieve harmony between recreationalists and wildlife. The two greenway types that the Cranbrook Hill Greenway resembles are:

1. Recreational greenways, featuring paths and trails of various kinds, often relatively long distance, based on natural corridors as well as canals, abandoned railbeds, and public right-of-ways.
2. Ecologically significant natural corridors, usually along rivers and streams and less often ridgelines, to provide for wildlife migration and species interchange, natural study, and hiking.

### **Purpose of the Cranbrook Hill Greenway**

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The purpose of the Cranbrook Hill Greenway is to secure recreational and naturalist opportunities for present and future generations of Prince George in the face of continuing urban development. The greenway is more than

## Introduction

just a trail, but a linear area of approximately 324 hectares that will provide a corridor for wildlife habitat and recreation activities. The greenway fulfills its purpose by connecting currently used sites on Cranbrook Hill, including Otway Ski Center, Forests for the World, UNBC, and Parkridge Creek.

The City of Prince George is growing at an unprecedented rate and as such it is vital that areas like this greenway be set aside now while undisturbed land is still available. To reiterate this point, greenways help to incorporate nature into the lives of urban dwellers that are increasingly becoming void of any interaction with nature. This disconnection with nature can have a negative effect on the average Prince George resident's quality of life. While the subject of quality of life is difficult to quantify, recent studies have concluded that even the presence of wilderness near urban centers gives residents a "good" feeling, regardless of whether or not they use it. To this end, the greenway will increase the chance for residents and visitors to interpret nature, learn more about the cultural resources of the area, and expand recreation in Prince George's city limits.

## Location of the Cranbrook Hill Greenway

---

The Cranbrook Hill Greenway, with an area of 324 hectares, is situated on Cranbrook Hill at the western boundary of Prince George city limits. Within the greenway is 25 kms of multi use trail that connects the Otway Ski Center to Forests for the World (FFTW) to UNBC to Parkridge Creek at Highway 16 West. The greenway passes through a variety of public and private land as it meanders across Cranbrook Hill. As evident on the map (page iii), the greenway can be accessed at various locations. The **Otway Ski Center** located on Otway Road acts as the greenway's northern access point. Secondly, the greenway trail can be accessed from the south-west corner of the **UNBC** parking lot that has been designated for greenway users. The greenway trail can also be accessed from the south-east corner of **FFTW**. The FFTW parking lot is located at the south end of Kueng Road on Cranbrook Hill. Lastly, **Kimball Road** located off of Highway 16 West connects to the greenway's southern access point found adjacent to the Blue Spruce Campground.



## **History of Greenway Development**

---

The development plan for the greenway is projected to take place over a 5 year period: the initial greenway development, which began in year-1, 1996 and should be completed by year-2, 1997; medium term development, which will occur from year-2, 1997 to year-4, 1999; and the long term development plan which will include any activity beyond four years. Different types of activities are scheduled for each of these phases. The initial development phase, which has been partially completed, includes any work that is necessary to clear a right-of-way within the greenway boundaries for safe passage. The medium term development plan includes fine tuning and finishing details needed to enhance the greenway, such as boardwalks, and interpretive- and trail head- sign construction. The long term development activities includes construction of large structures not completed in the medium term phase, such as picnic facilities and viewing platforms.

Since its formation, the Cranbrook Hill Greenway Society has made significant progress towards establishment of the greenway. In May 1996, two E-Team planners were employed by the society to mark the greenway route, accumulate data relevant to the greenway and generate a report detailing the baseline data as well as greenway development and management details. In October 1996, a six person work crew was hired with funding from the E-Team program to clear, build signs and boardwalks for a demonstration section of the greenway linking UNBC to Forests for the World. Trail head signs were also erected at UNBC and the Otway Ski Center, and where the greenway connects to the southeast corner of Forests for the World. In addition, one of the two planning technicians hired for the summer continued work on a volunteer basis in the fall of 1996. The complete route of the greenway was walked with a Global Positioning System (GPS) unit. The information obtained with the GPS unit was transferred to a computer at UNBC and along with digital satellite imagery was combined to produce a very accurate map of the greenway.

The society was fortunate to inherit the Best of Banff Film Festival from a group of Prince George community service groups, who very generously suggested that the Cranbrook Hill Greenway Society could benefit most from the film festival. In December 1996, the Cranbrook Hill Greenway

Introduction

Society sponsored the Best of Banff Film Festival and managed to raise over \$2000 to put towards a special maintenance endowment for the greenway.

In June 1997, the society acquired E-Team funding again, and hired back one of their previous employees to write this guidebook and prepare a brochure on the greenway for the public. In addition, the society received funding from Forest Renewal BC to hire crews to clear the entire right-of-way for the greenway trail. If time and funding is still available, some boardwalks, signs, and trail markers will be installed. The greenway should be able to support X-Country ski activities in the 1997/98 winter season.

**END OF SECTION**  
**( Photo or Sketch)**



## Section 2: Natural History

### Vegetation

Vegetation of the Cranbrook Hill Greenway is classified as belonging to the Sub-Boreal Spruce Biogeoclimatic zone. The dominant climax tree species of this zone are hybrid white spruce (*Picea engelmanni glauca*) and subalpine fir (*Abies lasiocarpa*). The seral stands have pioneer species like trembling aspen (*Populus tremuloides*) and lodgepole pine (*Pinus contorta*). Interior Douglas-fir (*Pseudotsuga spp.*) can be found on richer, drier sites.

The greenway encompasses a diversified landscape with varying ecosystems and habitat types. The forests are diverse and vary in age and composition. The predominant species are lodgepole pine, trembling aspen, and hybrid white spruce. Also, pockets of subalpine fir, Interior Douglas-fir, paper birch, and cottonwood exist amongst the dominant forest canopy. Interior Douglas-fir is a rare species of the area, hence it is a valued species on the greenway. Sections of the greenway have been logged in the past, and if one looks closely they will notice moss covered tree stumps in the surrounding forest floor. Interior Douglas-fir was one of the trees selected for logging since it's fiber is dense, hard, stiff and durable making it an ideal wood for heavy-duty construction. This tree can be identified from it's needles and bark. Fir needles are flat with a pointed tip, and are darker on the top than the bottom of the needle. Bark on the older fir trees is thick and deeply grooved, with dark reddish-brown ridges. Paper birch is one of the deciduous trees on the greenway, and has white bark that peels in papery strips, exposing the darker colored inner bark. Birch bark had many uses to First Nations people of British Columbia, one being material for baskets, cradles, and canoes. The birch sap was also used as a medicine for colds and to make syrup.

Understory species are too diverse to describe completely in this section, seeing as over 100 species were identified during initial surveys of the

## Natural History

greenway. Understory is sparse in dark, closed canopy forests, and thicker in open areas. Ferns, moss, and other water-loving plants are found in moister sites, where as wildflowers are more common in drier, open areas. The south facing slopes of the greenway's drainage system contains abundant wildflower species, especially the mixture of common red paintbrush, northern bedstraw, heart-leaved arnica, aster and purple pea-vine. If one visits the greenway in the spring, early violet and rare species like the orchid fairy slipper can be identified. Spring to mid-summer are the most opportune times to sight the diverse display of wildflowers on the greenway.

Fall is a season of even more color on the greenway. The leaves of aspen, birch, cottonwood, and alder trees display rich hues of yellow, orange, and red. Flowering vegetation species give rise to berries of many shapes and colors. False Solomon's-seal, baneberry, bunchberry, clasping twisted stalk, red-osier dogwood, devil's club, thimbleberry, queen's cup, and tall Oregon-grape are only a few of the plant species that exhibit berries in the fall. Mushrooms grow in the greenway, especially with damp weather conditions, but the trail user should be experienced in mushroom identification before sampling them.

## Wildlife

---

The Cranbrook Hill Greenway provides suitable habitat for wildlife. Aquatic habitats in the surrounding areas of lakes, ponds, creeks, bogs and muskegs are characterized by diverse and abundant indigenous wildlife species. Species that have been sighted while surveying the greenway include: moose (*Alces alces*), black bear (*Ursus americanus*), beaver (*Castor canadensis*), red squirrel (*Tamias sciurus hudsonicus*), bald eagle (*Haliaeetus leucocephalus*), great gray owl (*Strix nebulosa*), common raven (*Corvus corax*), ruffed grouse (*Bonasa umbellus*), downy woodpecker (*Picoides pubescens*), mallard (*Anas platyrhynchos*), Canada geese (*Branta canadensis*), and a variety of smaller birds. In addition to these sightings, other species documented in the area include: mule deer, lynx, cougar, snowshoe hare, marten, fisher, ermine, coyote, red fox, porcupine, and deer mouse.

The greenway is home for many birds and waterfowl. The best areas to observe waterfowl is in the vicinity of third lake, the headwaters of the long drainage system in the middle of the greenway, and other marshes of the greenway. Great gray owls have been sighted in the greenway's northern section in open, deciduous forest. Also, the drumming sound of ruffed grouse has frequently been heard on the greenway. Large mammals such as moose have been sighted on the long drainage system in the middle of the greenway, and black bear scat has been noticed in this area as well. Black bear have been sighted occasionally in most sections of the greenway. Beavers and their dams and lodges can be observed along the long drainage, third lake, and other marshy areas.

## **Geology and Soils**

---

Cranbrook Hill is found on the Interior Plateau of British Columbia and is part of the Nechako Plain that covers the Fraser Basin. The Nechako Plain has a very irregular shape and variable topography, which is evident on the greenway. The greenway has gently rolling to undulating terrain with remnants of eskers and north-easterly orientated drumlins that provides great landform variety for recreational trails. The area is characterized by having drumlinized basal till landforms consisting of streamlined, parallel, cigar or egg-shaped ridges and intervening troughs (Dawson 1989). This basal till material has been molded and deposited by glacial ice. Drumlins are encountered on the greenway, which are hills which vary in height from 15 to 45 meters, with some having steep side slopes greater than thirty percent. Non-drumlinized material is also present and occurs in a range of patterns of ridges, humps, and depressions of varying shape and size. In addition, the greenway runs through two main types of bedrock geology referred to as mixed volcanic and sedimentary, and unconsolidated deposits (Dawson 1989). Bedrock outcropping is evident in various locations on the greenway.

The majority of greenway is covered with forest, therefore the soils are of a certain type. According to generalized soil maps, vegetation, and surficial materials, the most predominate soils most likely to occur on Cranbrook Hill are gray luvisols, brunisols, and gleysols. Luvisols and brunisols are fairly well drained soils that generally occur under a mixed-wood forest

Natural History

canopy. Gleysols are found in wetter, depressional areas where the depth of the water table is dependent upon run-off and beaver activity.



**END OF SECTION**  
**(Photo of Sketch)**





## **Early Activities**

---

The resources on Cranbrook Hill have attracted many settlers to the area in the past. The Carrier Indians were in the Nechako/Fraser River area over 10 000 years ago and were probably the first human users of Cranbrook Hill (Christensen 1989). The Lheidli T'Enneh Band of Prince George has used Cranbrook Hill historically and intends to identify and protect all their potential cultural and traditional sites on the hill.

In 1903, a significant number of settlers moved into the Prince George region to be involved in the construction of the Canadian National (CN) railroad from Jasper to Prince Rupert. Most settlers moved to Ft. George, presently known as Prince George, in hopes to make a fortune by buying cheap land and selling it, and establishing farms to support the large city expected to spring up (Christensen 1989). Land was granted to settlers and homesteads progressed in the area, hence agriculture was a common activity on Cranbrook Hill. The Teschke's were one of the families that homesteaded on Cranbrook Hill in the late 1950's. Willy Teschke farmed on Cranbrook Hill until his death in 1987, and his wife, Joanne Teschke, continues to manage the farm on a smaller scale with assistance from her son.

Moose migrated into the area by the late 1800s, so one could presume that Cranbrook Hill was also used for hunting and trapping by settlers. In fact, an old trappers cabin was discovered when the area was surveyed for the development of UNBC, and still remains standing to this day at the top of University Way.

Timber resources are plentiful on Cranbrook Hill, hence logging was a common occurrence in the 1940's - 70's. Remnants of old logging roads are common on the greenway and area, and large mossy tree stumps are evident in the surrounding forest floor. In the earlier years, only the large,

## Cultural History

prime timber was selected for harvest, hence disturbance to the majority of the forest was minimal. Remains of old saw and tie mills are scattered throughout Cranbrook Hill. Some of these old sites have been located close to the Otway ski trails and along the Sawdust Pile road, to name a few. Railway ties and other wood products were fabricated at these sites and used to construct the railroad that exists along Otway road. The greenway crosses two historical roads, one being Takla Road and the other being Sawdust Pile Road. Both roads were constructed for the transport of timber to the nearest saw mill. Takla road is still maintained, however Sawdust Pile road has been left to regenerate, but can still be used by hikers, cyclists, horse-back riders, and X-country skiers that wish to connect to the greenway.

Through numerous Cranbrook Hill Greenway surveys, an old mine digging was discovered in a rocky outcrop. According to past reports published in 1915, 1928, and 1938, exploration for gold and silver deposits occurred on Cranbrook Hill. However, in most cases the test samples contained insignificant amounts on either element, hence mining activity was not a prevalent activity on Cranbrook Hill. The particular digging found on the Greenway is a result of surface exploration by Byron Resources Inc., in which various test holes were dug to test the presence of gold/silver in the Quartz veins nestled in the sedimentary and volcanic rock outcrops. In most cases, insignificant amounts of gold and silver were found.

## Current Uses

---

Residential activity on Cranbrook Hill has expanded since the first settlers inhabited the area in the early 1900's. Cranbrook Hill still bestows its resources to logging and ranching activities, however saw mills that once existed have been abandoned and left to regenerate into the natural surroundings. The greenway encompasses part of a Private Woodlot that is managed with sustainable forestry practices. John Elmslie is the individual that leases this woodlot, and due to his cooperation the greenway was permitted to continue its course through this woodlot. In addition, private land owners like Peter and Julia Steven's illustrated their cooperation by swapping some land with the department of lands so that the greenway trail could continue its natural course at the top end of Catherine Road. Some of the descendants of the original families that settled on Cranbrook Hill in the

early 1900's are still residing on the hill. In particular, Brenda and Dan Willman have been extremely helpful and supportive of greenway development. The Willman's reside on Cranbrook Hill and are engaged in the management and growth of a viable beef cattle operation.

Recreation is one of the key uses of Cranbrook Hill. Horseback riding is common seeing as many of the residents on Cranbrook Hill and surrounding areas own horses. Cyclists and hikers use Cranbrook Hill, especially on the well established trail system at Forests for the World (FFTW) and the Otway Ski Center. In addition to these established trails, old trails and logging roads, many of which join to the greenway, lend themselves to these activities. One of the main winter uses is X-country skiing, in which groomed trails exist at the Otway Ski Center at the northern terminus of the Cranbrook Hill Greenway. In 1982 the Hickory Wing Ski Club acquired a lease from the City of Prince George to develop ski trails at a site off of Otway Road, now referred to as Otway Ski Center. In 1984, the Hickory Wing Ski Club disbanded into two clubs, presently known as the Caledonia Nordic Ski Club (CNSC) and the Alpine Ski Club of Prince George. Today the CNSC has a membership of 1000 and provides 3.6 kilometers of lighted track and 40 kilometers of track that can be skied in the day time. FFTW contains X-country ski trails that are more suitable for recreational skiers over racers. Snowmobiling is also a common use on Cranbrook Hill, however people are reminded that the greenway is not accessible to motorized use.

In addition, Cranbrook Hill is home to the University of Northern British Columbia. UNBC is a state-of-the-art education facility that began development in 1993. UNBC is a relatively small university, with the capacity to accommodate 2800 students, while offering unique programs and atmosphere for the attending population. The Cranbrook Hill Greenway will offer a great nature escape for UNBC students in all seasons.

**END OF SECTION**  
**( Photo or Sketch)**



## **Profiles**

**Otway Ski Center to Blue Spruce Campground ( North to South)**

**Blue Spruce Campground to Otway Ski Center ( South to North)**



## Section 4: Route Description

### Overall Route Description

---

Take a tour on the greenway trail and enjoy the varied landscape and natural beauty of Cranbrook Hill. At UNBC, one can connect to Forests for the World (FFTW), continue south to the Blue Spruce Campground on Kimball road, or travel north-west to the Otway Ski Center.

#### **UNBC to FFTW (0.8 km)**

Travel on a trail surrounded by a mixed-wood forest with large birch trees to the greenway trail head sign at the south-east corner of FFTW.

#### **UNBC to Blue Spruce (6 km)**

An open canopied forest with large birch trees and lush understory is encountered initially. At the UNBC/Blue Spruce/Otway junction, one must travel south to reach Blue Spruce. The forest is dense and is comprised of large Interior Douglas-fir trees with evidence of past logging activity. A climbing rock can be accessed to the east of the greenway trail at the 2.75 km and 3.20 km marks. A viewpoint of hills to the south-east is reached at the 3.8 km mark, at which point Kimball road is followed to Blue Spruce.

#### **UNBC to the Otway Ski Center (18 km)**

At the UNBC/Blue Spruce/Otway junction, one can travel north-west to Otway. After a mild ascent, the trail reaches a high point with panoramic views of mountains. The trail then descends to a beaver marsh and small lake, and eventually passes old mine diggings nestled in a rock outcrop. The old Sawdust Pile road is eventually crossed, and the headwaters of the major drainage of the greenway is reached, at which point the trail follows the drainage for 4 km. The trail alternates between open, south facing slopes with colorful meadows, and forested north facing slopes. As one leaves the drainage, the trail enters a private woodlot with a dense, predominately pine forest. The trail eventually crosses Takla Road and continues on to a brook crossing which indicates the northern border of a woodlot where one emerges from forest and parallels a regenerating forest on private property. Once again, the greenway enters a denser forested area

Route Description

of Interior Douglas-fir and spruce, with birch groves. With a slight fall in altitude, the greenway enters the Otway ski trails. The trail descends beside a small creek until it reaches the biathlon area. The final 1.5 km of the trail meanders through a lodgepole pine forest until it reaches the parking area at the Otway Ski Center.

**Map of UNBC to FFTW**

**LEGEND**



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## UNBC to Forest for the World (FFTW)

---

The following provides a detailed route description from UNBC to FFTW. Distances, trail junctions, boardwalks/bridges, and interpretive information are outlined in this route description. The map on page 14 provides an illustration of this section of greenway trail.

### NORTHBOUND

Kilometers Start	UNBC TO FFTW	Kilometers End
<b>0.00</b>	<b>UNBC Trail Head at ramp.</b> This access represents the eastern most point of the greenway. The trail starts at the far end of the gravel parking lot.	<b>0.807</b>
<b>0.160</b>	<b>First Bridge and Interpretive site.</b> Notice how lush the vegetation is in the area. Lady fern is the one of the dominant species at this point. In early spring, this fern produces “fiddle heads” which many people enjoy to eat. Other species include cow parsnip, stinging nettle and red elderberry.	<b>0.647</b>
<b>0.454</b>	<b>First Boardwalk.</b> Wet section at this point, sensitive area.	<b>0.353</b>
<b>0.561</b>	<b>Junction of old bike trail.</b> One can leave the greenway and travel south on this old bike trail.	<b>0.246</b>
<b>0.671</b>	<b>Greenway Junction to Otway &amp; South.</b> At this T- junction, travel north to reach FFTW. Notice the relatively open canopied forest of the area, consisting of old birch and poplar trees with dense understory.	<b>0.136</b>
<b>0.786</b>	<b>Second Boardwalk.</b> Sensitive Area.	<b>0.021</b>
<b>0.807</b>	<b>Forests for the World SE Corner.</b> One can connect to the FFTW trail network from this point.	<b>0.000</b>

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Route Description

---

**Kilometers  
End**

**SOUTHBOUND  
Kilometers  
Start**

---

**Map of UNBC to Blue Spruce**

---

**LEGEND**

## **UNBC to BLUE SPRUCE**

The distance from UNBC to Blue Spruce is 5.8 km. There are various ways of incorporating this section of the greenway into your recreational outing. Suggested trips are outlined below, and the route chosen will depend on the users recreational activity, fitness level, and residential location in Prince George. This section is open to all users, those being walkers, runners, cyclists, horse-back riders, and x-country skiers. **The greenway section of each trip is bolded.**

### **SUMMER**

- Small and Medium Trips - Bike, Hike, Run
1. **UNBC to Climbing Wall Junction**      **Blue Spruce to Climbing Wall J.**  
 Climbing Wall Junction to Climbing Wall or Climbing Wall J. to Climbing Wall  
 Climbing Wall back to UNBC      Climbing Wall to **Blue Spruce**  
 Total Distance: 6.9 km      Total Distance: 6.1 km
  2. **UNBC to Blue Spruce ( 5.8 km)**  
 Blue Spruce to Highway 16W (via Kimball Rd.)  
 Turn left at Highway 16W to reach Tyner Blvd.  
 Turn left at Tyner Blvd. to reach **UNBC** (6.5 km)  
 Total Distance: 12.3 km
  3. The following trip may appeal to College Heights residents  
  
 College Heights to **Blue Spruce to UNBC**  
**UNBC** to Tyner Blvd.  
 Follow Tyner Blvd. to College Heights  
 Total Distance: ~12 km

### **WINTER**

- Small and Medium Trips - X-Country Ski
1. Car-pool by leaving a car at each Access point  
**Blue Spruce to UNBC** (return if desired)  
 Total Distance: 5.8 km one way, 11.6 km return.

### **SUMMARY**

These are only some of the trips that can be followed by greenway users. This linear trail serves as a backbone that can be incorporated into other

Route Description

routes as well. The following pages provide a detailed route description from UNBC to Blue Spruce. Distances, maps, trail and road junctions, boardwalks/bridges, and interpretive information are outlined in this route description.

**UNBC to Blue Spruce Close-up Map- 1.032 km**





**SOUTHBOUND**

Kilometers

Kilometers

**Start**

**UNBC TO BLUE SPRUCE**

**End**

- 0.000 UNBC Trail Head at ramp.** This access represents the eastern most point of the greenway. The trail starts at the far end of the gravel parking lot. **5.823**
- 0.160 First Bridge and Interpretive site.** Notice how lush the vegetation is in the area. Lady fern is the one of the dominant species at this point. In early spring, this fern produces “fiddle heads” which many people enjoy to eat. Other species include cow parsnip, stinging nettle and red elderberry. **5.663**
- 0.454 First Boardwalk.** Wet section at this point, sensitive area. **5.369**
- 0.561 Junction of old bike trail.** One can leave the greenway and travel south on this old bike trail. **5.262**
- 0.671 Greenway junction to FFTW.** At this T- junction, travel west to reach the UNBC/Blue Spruce/Otway Junction. Notice the relatively open canopied mixed-wood forest of the area, with beautiful old birch and poplar trees with dense understory. **5.152**
- 0.937 Boardwalk.** Wet Section. Stay on the trail please! **4.886**
- 1.032 Blue Spruce Junction (east side).** At this point, one can travel south to Blue Spruce, or travel west to the northern terminus of the greenway at the Otway Ski Center. **4.791**
- 1.082 Blue Spruce Junction (south side).** Go south to Blue Spruce or travel west to the Otway Ski Center. **4.741**

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Route Description

**SKETCH**

**UNBC to Blue Spruce Close-up Map- 1.168 km**





**SOUTHBOUND**

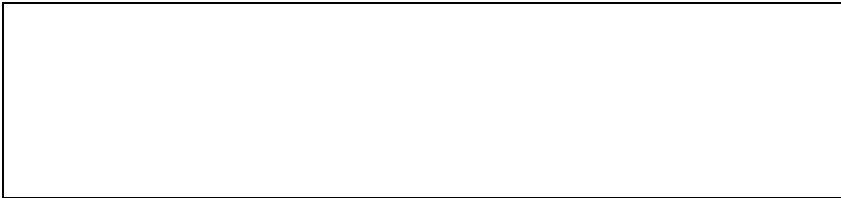
Kilometers	<b>UNBC TO BLUE SPRUCE</b>	Kilometers
<b>1.265</b>	<b>Junction of old bike trail.</b> One can travel east on this old trail and connect back to the greenway after ~100 meters.	<b>4.558</b>
<b>1.575</b>	<b>Junction of old bike trail.</b> One can leave the greenway and travel south east on this old trail.	<b>4.248</b>
<b>1.800</b>	<b>UNBC Corner Post/ Brass Control Point.</b> This point represents the SW corner of UNBC Lands. The cut-line to the southeast denotes the southern boundary of UNBC Lands.	<b>4.023</b>
<b>1.929</b>	<b>Interpretive Site - Triple Fir Hill .</b> Notice the large Interior Douglas-fir trees in the area. A good way of identifying this tree is by it’s bark. Older fir trees have thick and deeply grooved bark, with dark reddish-brown ridges. Due to the dense canopy, the understory vegetation is fairly low and sparse. However the forest floor is covered in thick moss, one species being red-stemmed feathermoss. Other plant species include Oak Fern, Birch-leaved Spirea, Prince’s Pine and fir seedlings.	<b>3.894</b>
<b>1.963</b>	<b>Interpretive Site - Leaning Fir Corner.</b> This large fir tree has grown in a bending formation in its attempt reach sunlight above.	<b>3.860</b>
<b>2.000</b>	<b>Interpretive Site - Bedrock</b> is evident here. The greenway encompasses two main types of bedrock referred to as mixed volcanic and sedimentary, and unconsolidated deposits.	<b>3.823</b>
<b>2.200</b>	<b>Interpretive site - Old Road Begins.</b> When heading south, the greenway trail continues onto the remnants of an old “pull road” used by horses that hauled prime timber from the forest .	<b>3.623</b>

Route Description

Cranbrook Hill has many pull roads that were utilized to deforest the area since the 1940's. Notice the old decayed tree stumps in the forest surrounding you. Some of these stumps provide a growing substrate for young fir trees. Fir was probably the tree selected for logging since it's fiber is dense, hard, stiff, and durable making it an ideal wood for heavy-duty construction.

**UNBC to Blue Spruce Close-up Map- 1.620 km**





**SOUTHBOUND**

Kilometers

**UNBC TO BLUE SPRUCE**

Kilometers

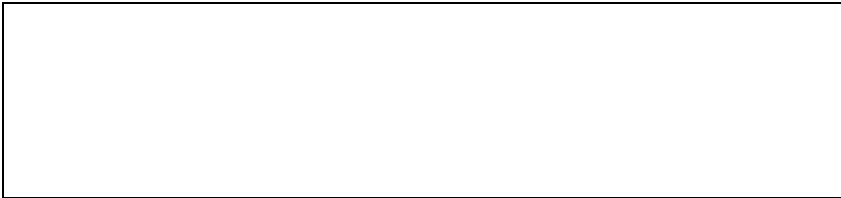
- 2.75 Road Junction.** One can leave the greenway and travel east for 900 meters to reach a natural climbing rock. **3.073**
  
- 3.206 Road Junction.** One can leave the greenway and travel east for 430 meters to reach the climbing rock. This old road will eventually reach Tyner Boulevard. **2.617**
  
- 3.298 Interpretive Site.** Notice the vegetation change in this section. This is a moister area and contains lush vegetation including: devil’s club, horse-tails, ferns, Queen’s cup, false Solomon’s-seal and thimbleberry, to name a few! **2.525**
  
- 3.734 Boardwalk.** Wet, sensitive area. Please stay on the boardwalk. **2.089**
  
- 3.820 Viewpoint over old landfill.** Here is where one has a panoramic view of the hills to the southeast. The gravel pit down below is the remains of an old city landfill site. One can continue down the hill and join up to Kimball road that connects to the city gate at the southern terminus of the greenway. **2.003**

**SKETCH**

---

Route Description

**UNBC to Blue Spruce Close-up Map- 2.003 km**



**SOUTHBOUND**

Kilometers	<b>UNBC TO BLUE SPRUCE</b>	Kilometers
<b>4.25</b>	<b>Interpretive Site.</b> Various forms of <b>pioneer species</b> can be identified along the edge of Kimball road. Pioneer species are the first vegetation types to invade an area after disturbances such as road construction, clear-cutting and forest fires. This road opens up the forest canopy and allows more sunlight to reach the ground, hence providing ideal habitat for species like Oxeye Daisy, Orange Hawkweed, Grass Species, Purple pea-vine, Clover and Fireweed.	<b>1.573</b>
<b>4.75</b>	<b>Kimball road starts to curve to the east.</b>	<b>1.073</b>
<b>4.892</b>	<b>Road junction.</b> A road exists to the south-west.	<b>0.931</b>
<b>5.119</b>	<b>End of curve on Kimball road.</b> A road to the east connects to Kimball road.	<b>0.704</b>
<b>5.346</b>	<b>Kimball road crosses Parkridge Creek.</b> A large beaver dam is situated on the north side of Kimball road.	<b>0.477</b>
<b>5.627</b>	<b>Road Junction.</b> An old road heads north from Kimball road.	<b>0.196</b>
<b>5.823</b>	<b>City Gate on Kimball road at Blue Spruce (end/start of Greenway Trail).</b> The southern terminus of the greenway is at this point which is situated 400 meters from Highway 16 West on Kimball road.	<b>0.00</b>

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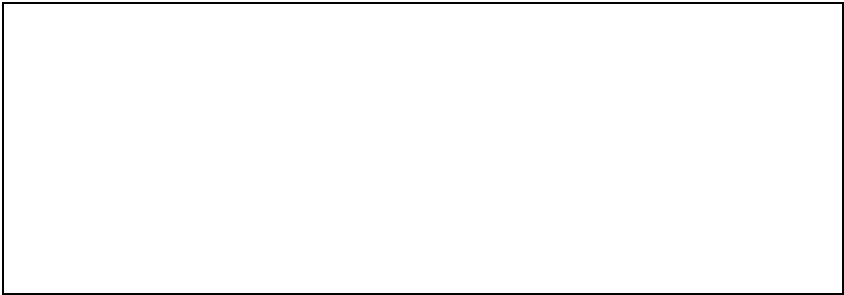
Kilometers	<b>NORTHBOUND</b>
<b>End</b>	Kilometers

**Start**

**END OF SECTION  
( Sketch )**

**Map of UNBC to Otway Ski Area**

**LEGEND**



## **UNBC to OTWAY SKI AREA**

The distance from the UNBC to the Otway Ski Area is approximately 18 km. Some suggested trips are outlined below, and the route chosen will depend on the users recreational activity, fitness level, and residential location in Prince George. UNBC to Catherine road is open to all users, but horse-back riders are restricted from Catherine road to Otway as this area is too sensitive.

### **SUMMER**

- Short Trip - Bike, Hike, Run
- 1. **Otway Ski Area to Catherine Road**  
Follow Catherine Rd. and Otway Rd. to the Otway Ski Area  
Total Distance: 10.8 km (round trip)
- Medium Trips - Bike, Hike, Run
- 1. **Otway Ski Area to Takla Rd.**  
Takla Rd. to Swanson Rd.  
Swanson Rd. to Cranbrook Hill Rd.  
Cranbrook Hill Rd. to Otway Rd.  
Otway Rd. to Otway Ski Area  
Total Distance: 19 km
- 2. Car-pool (Car at Otway & UNBC)  
**Otway Ski Area to UNBC**  
(or vice versa)  
Total Distance: 18 km
- Long Trip - Bike
- 1. **Otway Ski Area to UNBC Access**  
UNBC to Foothills Blvd.  
Foothills Blvd. to Otway Rd.  
Otway Rd. to Otway Ski Area  
Total Distance: 30 km
- 2. **Otway Ski Area to Blue Spruce**  
Blue Spruce to Highway 16W  
Highway 16W to Tyner Blvd.  
Tyner Blvd. to Foothills Blvd.  
Foothills Blvd. to Otway Rd.  
Otway Rd. to Otway Ski Area  
Total Distance: 40 km

### **WINTER**

- Short Trip - X-country skiing
- 1. **Otway Ski Area to Catherine Rd.** (and back on same trail)  
Total Distance: 10 km

Route Description

- Medium to Long Trips - X-country ski
- 1. Car-pool (Car at Otway & UNBC)  
**UNBC to Otway Ski Area**  
Total Distance: 17.5 km
- 2. Car-pool (Car at Otway & Blue S.)  
**Otway Ski Area to Blue Spruce**  
Total Distance: 22 km

**SUMMARY**

This linear trail serves as a backbone that can be incorporated into other routes. The following pages give a detailed route description from UNBC to the Otway Ski Area. Distances, maps, trail and road junctions, boardwalks/bridges, and interpretive sites are outlined in this description.



Route Description

**UNBC to Otway Close-up Map - 0.746 km**





**NORTHBOUND**

Kilometers

Kilometers

**Start**

**UNBC TO OTWAY**

**End**

**0.000 UNBC Access.** This access represents the eastern most point of the greenway. Refer to pages ??- ?? for the map and route description for the section from UNBC to the UNBC/Blue Spruce/Otway Junction, as this section is the same. **18.000**

**1.032 UNBC/Blue Spruce/Otway Junction (east side).** Continue west to reach Otway, or travel south to reach the climbing rock or Blue Spruce. **16.968**

**1.073 UNBC/Blue Spruce/Otway Junction (west side).** Continue west to reach Otway, or travel south towards the climbing wall or Blue Spruce. The trail begins to ascend at this point if traveling towards Otway. **16.927**

**1.138 West Loop Trail of FFTW.** Cross this trail, and continue your ascent to the plateau above. **16.862**

**1.326 Interpretive Site - High point.** Enjoy this open area with a panoramic view of mountains such as Tabor. A viewing platform may be established here with future development. Notice the attractive red and yellow color combination of Common Red Paintbrush and Heart-leaved Arnica. The dead alder trees and abundant wildflowers on this plateau could be due to a past fire in this area. Stay on the plateau for about 200 meters, and then descend down on switch backs to a beaver marsh. **16.674**

**1.560 Interpretive Site - Reflection Marsh.** A boardwalk will exist here in the future. Beaver dams stop waterflow here, creating ideal wetland habitat for those immense water-loving creatures we refer to as moose. Take a moment to admire the lush vegetation of wispy lady ferns, grasses, and sedges, feel the humidity, and soak in the smell of rich, organic soils. Stand and observe, and this place with it's abundant life-forms will come to life for you... buzzing blurs, birdcalls.... **16.440**

Route Description

**UNBC to Otway Close-up Map - 1.612 km**

**NORTHBOUND**

Kilometers

**UNBC TO OTWAY**

Kilometers

**1.831 Trail Crossing.** This trail connects to FFTW. **16.169**

**2.500 Interpretive Site - Bruce's Bog at 3<sup>rd</sup> Lake.** The small lake to the south is ideal for waterfowl observation. This is actually a Black Spruce bog that is slowly being encroached by surrounding vegetation. If you stand close to this waterbody, the thick soupy mixture is bubbly and smells of sulfur fumes. This is a sensitive area, hence users are asked to stay on the boardwalk. Oak and lady ferns, mosses, grasses, sedges, meadow horse-tail, Queen's cup and marsh violet's are some plant species present. **15.500**

**2.895 Interpretive Site - Old Mine Diggings/Geology.** A hole exists in the rock outcrop to the south-west. The prospectors were digging for gold and silver deposits that exist in Quartz veins nestled in this volcanic and sedimentary rock. As one may notice, the trail meanders down through gullies, with ridges **15.105**

on

either side. This is a good example of past glacier activity in forming the topography of this area of Cranbrook Hill. Drumlins and eskers are some of the geological features of the area, giving the greenway diverse landforms to plan an interesting trail for all users. Dense vegetation and large trees are common, possibly due to the micro-climate created between the ridges, trapping moisture down below and hence creating ideal growing conditions.

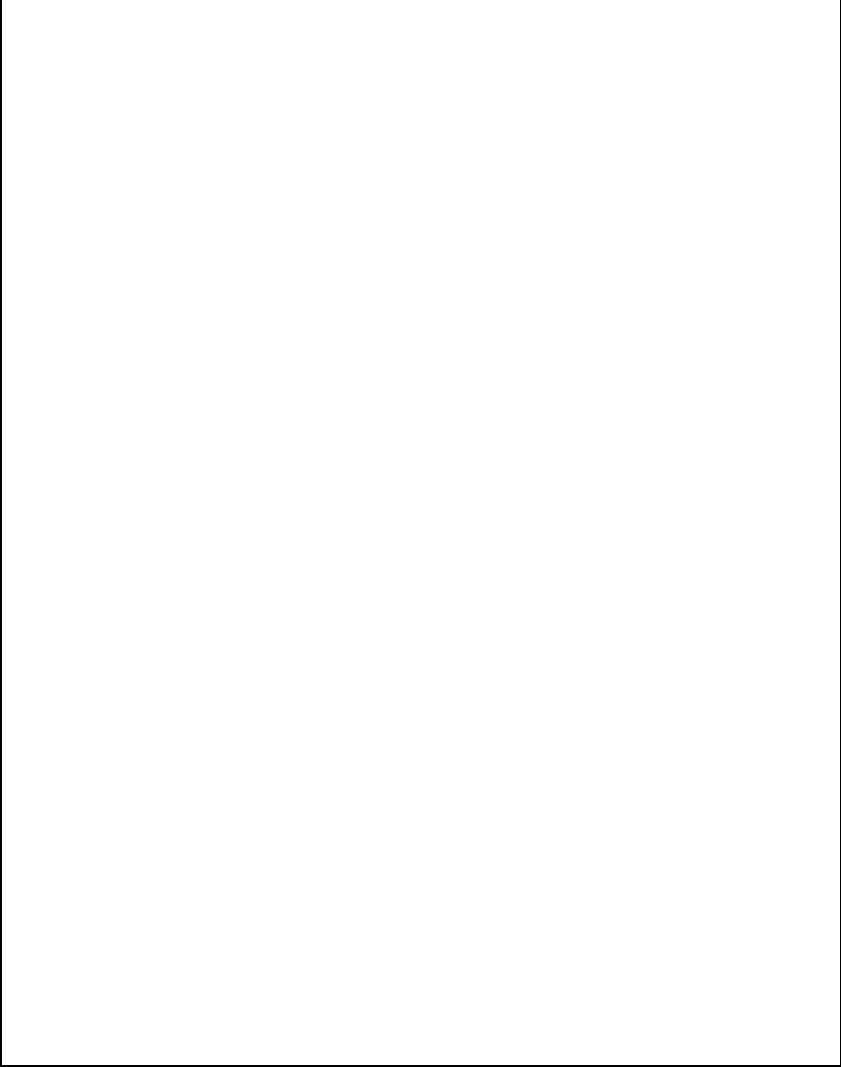
**3.406 Interpretive Site - Colletes Fir.** Old fir tree stumps provide evidence that fire activity was present here. Large Interior Douglas-fir trees that survived the fire are up to 400 years old with some having 50 inch diameter tree trunks! The fire created spaces in the forest canopy, hence birch trees took advantage of these open areas. **14.597**

**3.700 Interpretive Site - Bedrock.** Dense coniferous forest, thin **14.303**

Route Description

under developed soils, and bedrock outcrops reside in this area. Glacial till material is evident in the form of small and large boulders, and small drumlin moraines.

**UNBC to Otway Close-up Map - 1.413 km**





**NORTHBOUND**

Kilometers

**UNBC TO OTWAY**

Kilometers

**x.xxx Bridge.** Small creek crossing. **xx.xxx**

**4.250 Interpretive Site - Large Cottonwood Tree.** Gaze way up **13.750**  
 to the top of this tree that reaches a height close to 40 meters above  
 the ground. First nations people in the Interior made dugout canoes  
 from these hardy, straight-trunked trees. Cottonwoods also  
 had medicinal value in that the resin from buds were used to cure sore  
 throats, coughs, and ease pain of rheumatism.

**4.357 Interpretive Site - Dead Cottonwood.** This tree is classified **13.643**  
 as a “Wildlife Tree”, which is a standing dead tree that provides  
 a refuge and home for small forest critters. These trees are a  
 critical resource for birds that need cavities in trees for nesting.  
 Wood-peckers, nuthatches and creepers utilize these rotten,  
 hollow trees. This particular tree has a series of holes at the top  
 that may have been created by the red-crested pileated woodpecker.  
 These woodpeckers drill oval holes and feed primarily on carpenter  
 ants. These birds need an area of 200 hectares to live!

**4.800 Road Junction - Sawdust Pile Road.** Remnants of old saw **13.200**  
 mills are present along this abandoned logging road. The adven-  
 turous traveler can turn north and follow this road to Takla Road.  
 Beaver dam activity is prominent along this road.

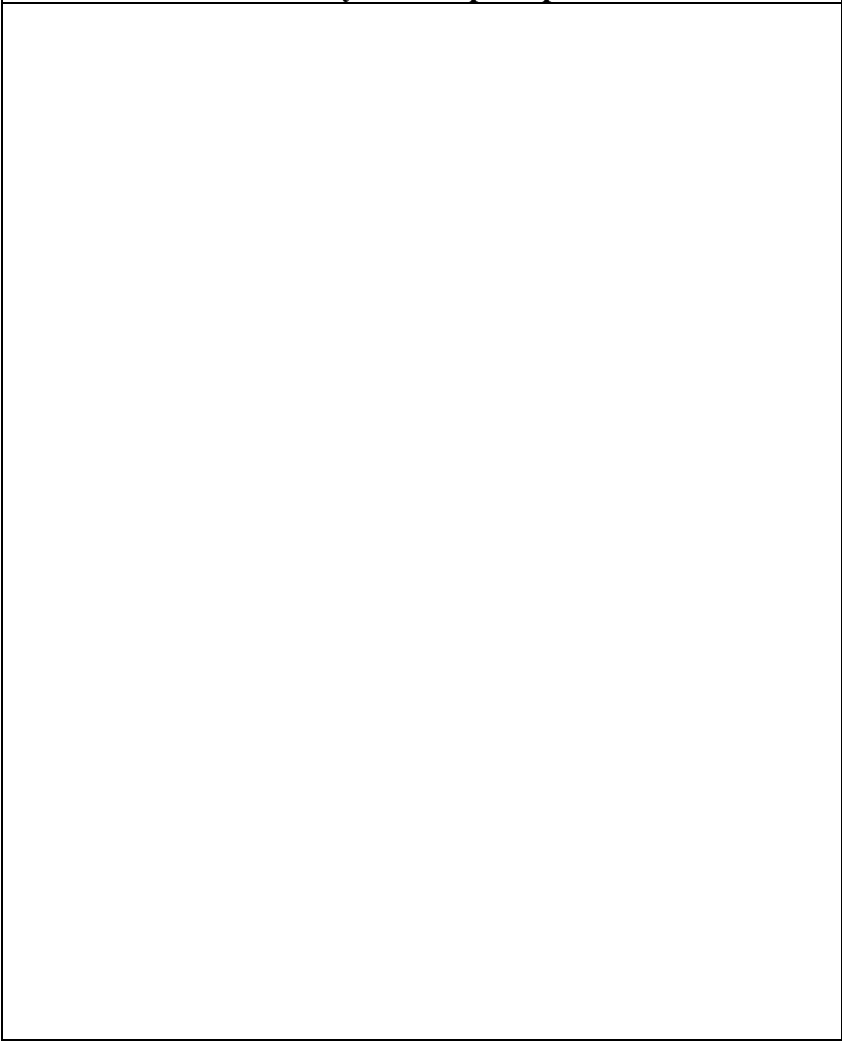
**5.380 Major Side Creek Crossing.** Water-loving plants exist here. **12.620**

**6.103 Interpretive Site - Log Bridge Crossing at large swamp.** **11.897**  
 This water body starts the flow of the major drainage that the  
 trail will follow for the next 4 km. Waterfowl, marsh bird  
 species, beaver, and moose utilize this headwaters. Waterfowl  
 look for are: Mallards, Canada Geese, Blue and Green Winged

Route Description

Teals, and Red-billed Grebes. Birds in a marsh community are difficult to find because they are usually obscured by thick, high vegetation. You may catch a glimpse of a common yellow-throat, marsh wren, red-winged blackbird or swamp sparrow amongst the cat-tails and high grasses and sedges.

**UNBC to Otway Close-up Map - 1.270 km**





**NORTHBOUND**

Kilometers

**UNBC TO OTWAY**

Kilometers

**x.xxx Ski/Hike Junction.** Skiers will utilize the drainage to the left **xx.xxx** during the winter, and the walking/cycling/ horseback trail will stay on the banks of the drainage in the summer.

**6.320 Interpretive Site - Viewpoint over large marsh.** This is an **11.680** ideal spot to stop for a snack or relax in the sun. Beaver dams are evident in the drainage below. Beavers play a prominent role in this drainage by maintaining wetlands that can be utilized by waterfowl and large mammals in the area.

**x.xxx Boardwalk.** A small creek exists at the bottom of this gully. **xx.xxx**

**x.xxx Interpretive Site - Large Spruce.** This mature spruce tree **xx.xxx** rises to a height close to 40 meters tall, with a diameter of ~40 inches. This tree could be a hybrid between White and Engelmann Spruce which is common in the Interior region. A good way to identify spruce trees is by their bark that is loose, scaly and grayish-brown.

**x.xxx Boardwalk.** This is another marshy area ideal for bird **xx.xxx** watching. Red-winged blackbirds are often found in large flocks and perch on cat-tails at edges of marshes such as these.

**x.xxx Open meadows.** The banks along this part of the drainage **xx.xxx** are open and give rise to colorful vegetation.

**x.xxx Interpretive Site - Woodpecker Tree.** There are various **xx.xxx** holes at the base of this spruce tree's trunk. A woodpecker has created these holes, in search for a juicy snack - Insects!

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Route Description

**UNBC to Otway Close-up Map - 1.933 km**







**NORTHBOUND**

Kilometers

**UNBC TO OTWAY**

Kilometers

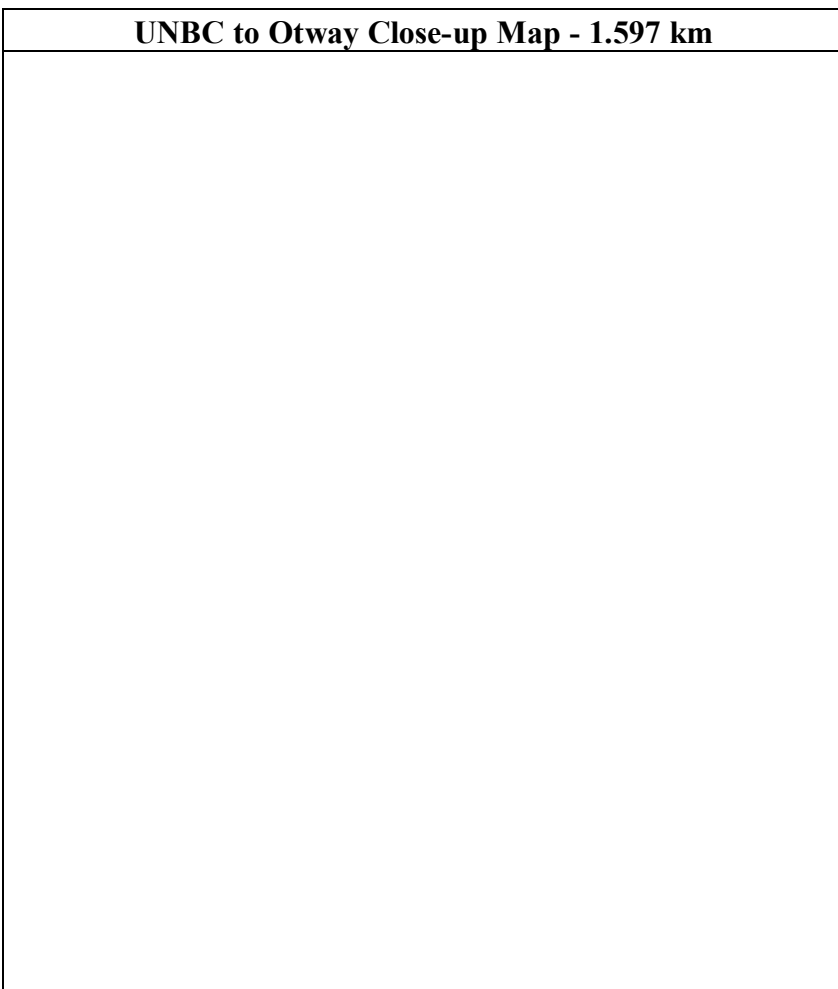
- 7.072 Interpretive Site - Long Draw Crossing.** At this point the **10.928** trail crosses the drainage from the north. This fertile area is teeming with life forms - One may catch a glimpse of moose feeding on sedge shoots in the drainage or a black bear sunning on the open slopes. Be alert in this area and make noise! Large beaver dams exist along this drainage and cause water to flood the landscape in the vicinity. Beavers play a prominent role in this ecosystem by maintaining marshy, wetland habitat for diverse life forms, both large and small. Beavers feed on grasses, ferns, roots and almost all kinds of water plants in the summer. In the winter they feed on the bark of trees they collected for their beaver lodges.
- xx.xxx Interpretive Site - South side of Draw.** The trail travels **x.xxx** away from the drainage towards an upper bench. A pine tree canopy is prominent here, and the moist lower vegetation is comprised of soopolallie and many kinds of thick moss.
- 8.214 Long Draw Crossing.** Here the trail crosses the long draw **9.786** from the south. Notice the vegetation change on south facing slopes in that the forest is comprised of mixed-woods, and has a denser understory.
- 8.545 Major side creek crossing (S to N)** **9.455**

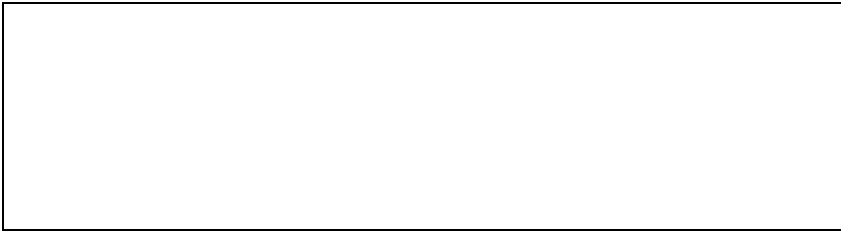
**SKETCH**

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Route Description

**UNBC to Otway Close-up Map - 1.597 km**





**NORTHBOUND**

Kilometers **UNBC TO OTWAY** Kilometers

- 8.800 Interpretive Site - Wildflowers.** A multitude of colors are on display here. Red Paintbrush, heart-leaved arnica, aster, northern bedstraw and purple pea-vine are present. The rare orchid , fairy slipper, grows on these slopes in the early spring. **9.200**
- 8.956 Ski-Hike Junction (bottom).** The trail diverges into two, with the lower one for skiing, and the upper one for hikers. **9.044**
- 9.088 Interpretive Site - Viewpoint.** The hiking route offers a great view of the drainage, which eventually reaches the Nechako River. Moose have been sighted chest high in the warm water of the drainage down below. Take a moment to relax on a bench and observe for wildlife down below. **8.912**
- 9.175 Ski-Hike Junction (top).** Upper and lower trails merge. **8.825**
- 9.950 Interpretive Site - Pine Road.** A road was cut here in the past. Small pine trees are dominant on either side of the trail, a species common at the initial seral stage of forest regeneration. Spruce seeds will eventually root and establish here, and this area will evolve to resemble the mature forest adjacent to it. **8.050**
- 10.000 Interpretive Site - Marsh.** Notice the old, dead wildlife trees in the marsh to the east. Flocks of Canada Geese have been sighted here in past greenway survey's. Other paddle ducks that prefer shallow marshes habituate here. Observe waterfowl in the spring to mid-summer when water levels are at the highest. **8.000**

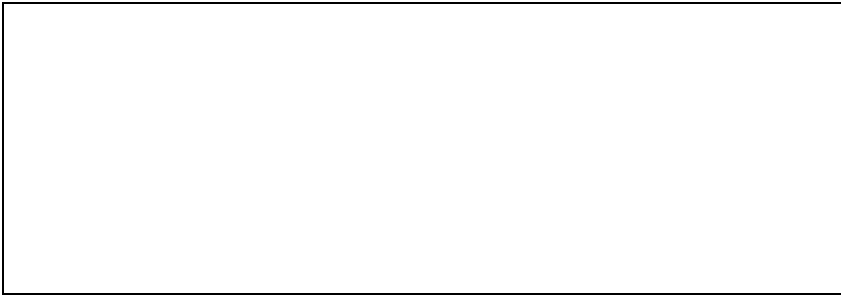
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Route Description

**10.114 Boardwalk.** Small creek crossing. **7.886**

**10.250 Takla Road.** The greenway crosses this road and continues **7.750** on the other side where it enters a mossy spruce and pine forest. Takla Road has been used for logging in the past and connects to Miworth to the west and Cranbrook Hill Road to the east.

<b>UNBC to Otway Close-up Map - 1.320 km</b>
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**NORTHBOUND**

Kilometers **UNBC TO OTWAY** Kilometers

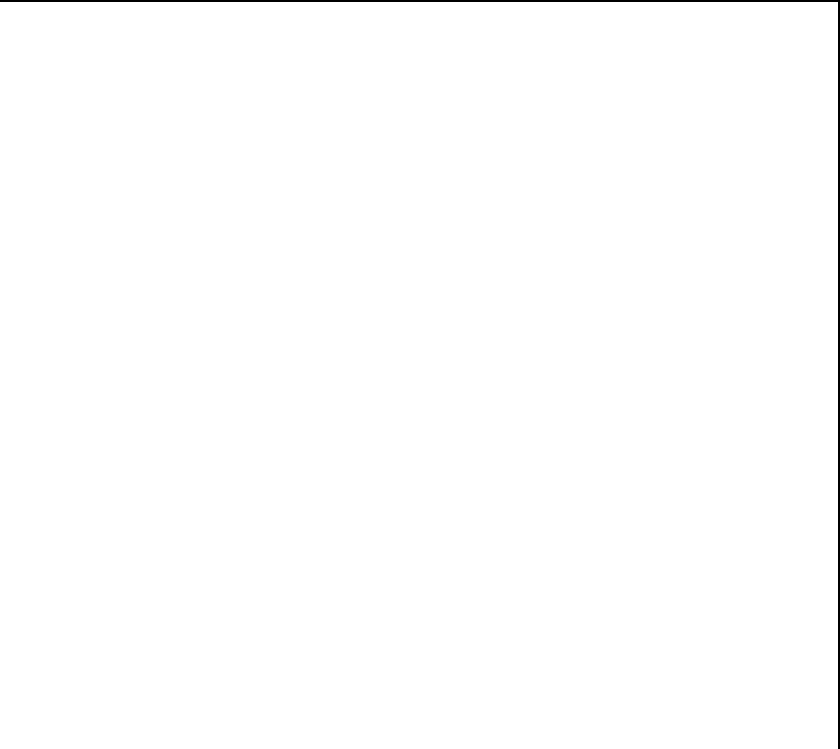
- 10.390 Access Road Crossing** - Cross this road and join up with the **7.610** trail.
  
- 10.500 Interpretive site - Black Spruce Bog.** The bog to the west is **7.500** a step in the succession of plant life from open water to forest, the result of the filling in of a pothole or glacial lake with vegetation until sufficient soil has been formed to support trees. This old bog is well on its way to becoming a forest. Open water was present here, but has slowly been filled in with sphagnum mosses, grasses, sedges, shrubs, and pine and black spruce trees. One can bird watch for warblers, vireos, and wrens that feed on insects in bogs like this.
  
- 11.000 Woodlot East/West Cut-line** **7.000**
  
- 11.240 Creek Crossing.** Vegetation becomes more lush with ferns, **6.670** Devil’s club and moss as one approaches this creek.
  
- 11.285 Onto/Leave road** The greenway trail turns west as it **6.715** follows this road for over 100 meters.
  
- 11.400 Leave/Onto road.** Exit this road to continue on the **6.600** greenway trail.
  
- 11.710 Brook Crossing in gully.** This brook denotes the northern **6.290**

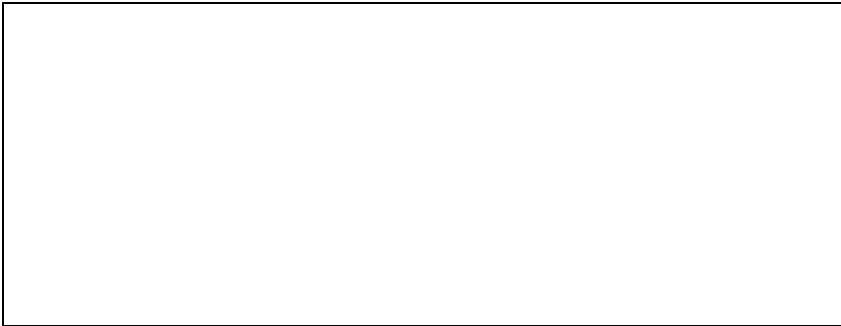
Route Description

boundary of the private woodlot that the greenway encompasses. Lush vegetation consisting of alders, ferns and cow parsnip flourish here.

**xx.xxx Interpretive site - Forest edge.** As one emerges from the gully private land with a regenerating forest exists to the east **x.xxx**  
The trail continues along the forest edge for ~ 1.5 km. The zone between a regenerating forest and mature forest is referred to as the **forest edge**. One may catch a glimpse of a black bear, one of the species that dwells on forest edges. This east-facing forest edge supports small spruce trees, soopalallie, prickly rose, hawkweed, blueberry, grass species, pea-vine, gooseberry, twisted-stalk and northern bedstraw, to name a few!

**UNBC to Otway Close-up Map - 1.112 km**





**NORTHBOUND**

Kilometers	<b>UNBC TO OTWAY</b>	Kilometers
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<b>12.520</b>	<b>Major marsh crossing.</b>	<b>5.480</b>
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<b>12.700</b>	<b>Road Crossing.</b> Turn left, and follow this road for 20 meters.	<b>5.300</b>
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<b>xx.xxx</b>	<b>Ski/Hike Junction.</b> Walkers, cyclists and horse-back riders traverse the knoll on the trail to the right , and skiers cross the frozen pond straight ahead in the winter.	<b>x.xxx</b>
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<b>12.767</b>	<b>Corner post/Immigrant’s Trail.</b>	<b>5.233</b>
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<b>12.837</b>	<b>Ski/Hike Junction.</b> The two routes merge at this point.	<b>5.163</b>
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<b>12.837</b>	<b>Peter Steven’s Road.</b> A 4-way junction occurs at this point of the trail. To reach the Otway access, follow the trail straight ahead on the south-facing slopes. The intersecting road leads to private property. Please respect private property.	<b>5.163</b>
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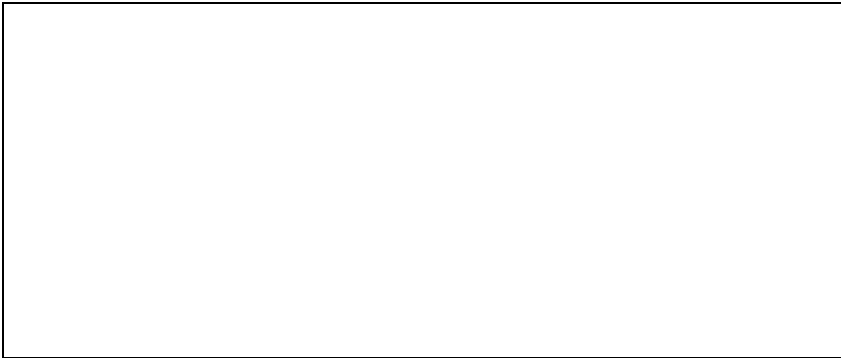
<b>12.900</b>	<b>Interpretive site - Regenerating forest.</b> The deforested open area to the south has been left to regenerate naturally. A forest develops over a long period of natural change before it becomes a climax community - much like the mature forest surrounding this clear-cut. This forest is approximately 15 years old, and contains many small aspen trees, with some spruce and pine growing up in the spaces between the deciduous trees. With time, the coniferous trees will become the dominant species in this	<b>5.100</b>
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Route Description

stand. Some of the understory species include willow, fireweed, common red paint-brush, yellow and orange hawkweed, clover, timothy grass, black-twinberry, and pink spirea, to name a few!

**UNBC to Otway Close-up Map - 1.545 km**





**NORTHBOUND**

Kilometers

**UNBC TO OTWAY**

Kilometers

- 13.067 Snowmobile crossing from Catherine Rd.** The small trail to the west connects to Catherine road. **4.933**
- xx.xxx Game trail.** As one is traveling towards Otway, notice the mixed-wood forest of birch, poplar, spruce, and fir trees. Watch for wildlife. **x.xxx**
- xx.xxx Interpretive Site - Aspen Grove.** Aspen trees here are part of a single clone. Each individual stem “tree” has grown from a common root system that developed from a single seedling. **x.xxx**
- 14.367 Snowmobile and creek crossing -** Notice the lush vegetation in this depressional area, especially high devil’s club, ouch! **3.633**
- xx.xxx Interpretive Site - Owls.** Listen for the hoots of rare Great Gray Owls, a typical call is a deep-booming series of whoos, each at a lower pitch. These owls have been sighted and heard on numerous occasions over the duration of greenway surveys, primarily during their spring mating season. Most are in an open forest community of birch and aspen/poplar groves. Great Gray Owls are the largest owls in North America, and have extremely sharp eyesight and hearing. **x.xxx**
- xx.xxx Interpretive Site - Large Black Cottonwood Tree.** Notice **x.xxx**

Route Description

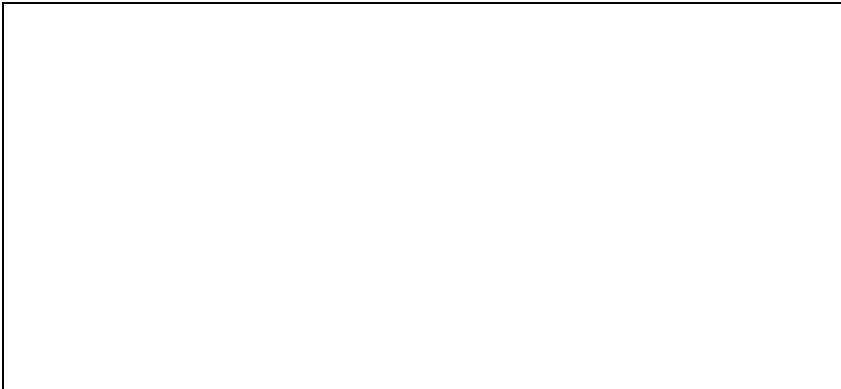
the straight and sturdy trunk of this large cottonwood tree, at least 2 meters around. The light gray bark on these trees grows thick and deeply grooved with age. In the spring, white hairs on mature seeds float through the air like snow or wisps of cotton, hence the name Cottonwood.

**14.750 Second Creek Crossing. 3.250**

**xx.xxx Boardwalk- Creek Crossing x.xxx**

**xx.xxx Boardwalk - Creek Crossing. Very high devil's-club. x.xxx**

**UNBC to Otway Close-up Map - 1.032 km**



**NORTHBOUND**

Kilometers

**UNBC TO OTWAY**

Kilometers

**15.308 Major Creek Crossing. 2.692**

**xx.xxx Interpretive site - Fir seedlings on old stumps.** Timber resources are plentiful on Cranbrook Hill, hence logging was and still is a common occurrence. Remnants of old logging roads are common and large mossy tree stumps in the surrounding forest floor are evidence of logging in the past. As the tree stump raw material breaks down, fir and spruce seedlings use the decomposed material as growing substrate. **x.xxx**

**xx.xxx Interpretive site- Wildlife tree.** Woodpeckers, nuthatches and creepers constantly search for food on these trees. Wildlife trees contribute to forest ecology and provide homes for species that live in old growth forests. **x.xxx**

**xx.xxx Interpretive Site - Birch Grove.** This is a pleasant open area that is especially colorful in the fall. Paper birch is significant to forest ecology in that it is an important winter food for many forest animals including deer and moose. Vireos, sapsuckers and woodpeckers nest in the forest canopy of paper birch. **x.xxx**

**15.777 Enter Otway Ski Area - Turn right ( left to leave Otway ski trails if traveling south). 2.223**

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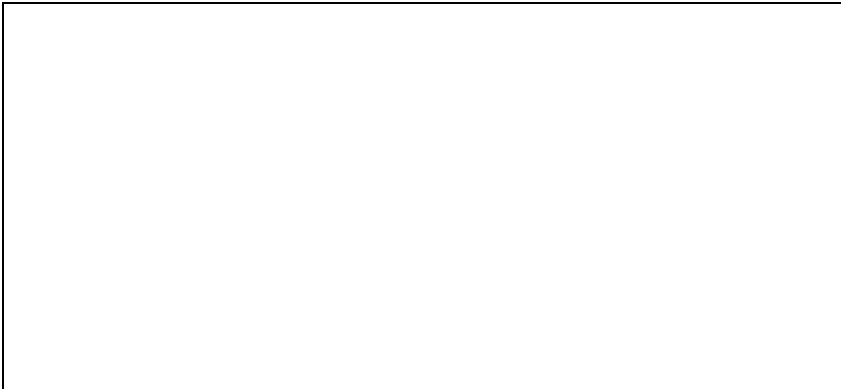
Route Description

**xx.xxx Bridge - Creek Crossing**

**x.xxx**

**SKETCH**

**UNBC to Otway Close-up Map - 1.035 km**



**NORTHBOUND**

Kilometers **UNBC TO OTWAY** Kilometers

**15.823 Upper Trail Junction** - Turn left and travel on lower trail 2.177  
(right if traveling south).

**xx.xxx Interpretive Site - Riparian Area.** The trail travels beside x.xxx a small creek at this point. This is a good example of a riparian habitat, which is the area around a water body or water course that contains more diverse and abundant “water-loving” plants than drier, surrounding areas. Two key species of the greenway, moose and bear, prefer this prime riparian habitat due to high vegetation diversity. Some plant species here are ferns, cow parsnip, stinging nettle, and horse-tails.

**16.206 Lower Trail Junction.** Turn left and travel on the lower trail 1.794  
(right if traveling north ).

**16.431 Biathlon/Warm-up Cabin.** This shooting range is utilized 1.569  
for biathlon training and competitions.

**xx.xxx Trail Junction.** Continue on the trail straight ahead, not on x.xxx  
the trail to the left.

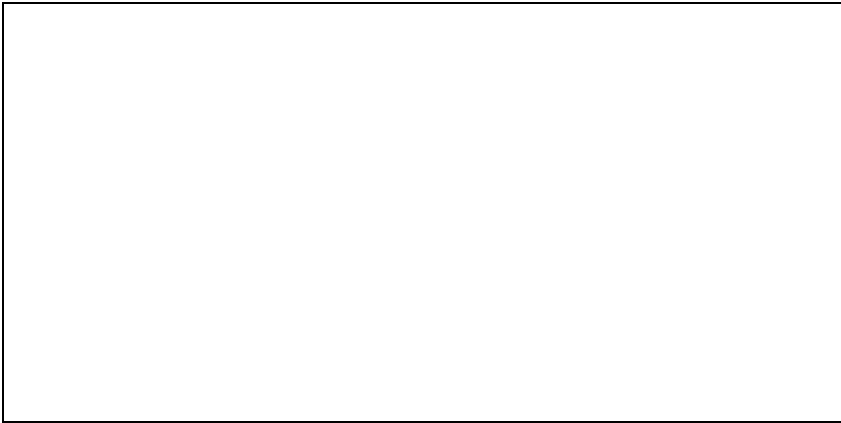
**xx.xxx Interpretive Site - Roadside vegetation.** This open area x.xxx

Route Description

gives rise to many wildflowers and other plant species that are accustomed to disturbed areas such as this. Fireweed, paintbrush, purple pea-vine, oxeye daisy, wild strawberry, and many other species grow here.

**16.855 Junior National Junction.** The greenway trail continues straight, where as the J. National trail forks to the right (left if traveling south). **1.145**

**UNBC to Otway Close-up Map - 1.145 km**



**NORTHBOUND**

Kilometers	<b>UNBC TO OTWAY</b>	Kilometers
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<b>xx.xxx</b>	<b>Trail Junction.</b> Trail to Otway access is straight.	<b>x.xxx</b>
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<b>16.987</b>	<b>4-way Ski Junction.</b> Trails to the right and left connect to other trails of the Otway Ski Center. Continue straight to reach the Otway access.	<b>1.013</b>
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<b>17.091</b>	<b>Gravel Pit Junction</b> The trail to your right connects to a gravel pit.	<b>0.909</b>
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<b>xx.xxx</b>	<b>Interpretive Site - Saw (Tie) Mills</b> are scattered throughout Cranbrook Hill. One of these sites has been located in the area, which was once used to construct railway ties and other wood products for the railroad that is adjacent to sections of Otway road.	<b>x.xxx</b>
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<b>17.241</b>	<b>Pine Flats Junction</b> The trail to your left is another ski trail.	<b>0.759</b>
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<b>xx.xxx</b>	<b>4-Way Junction.</b> Continue straight	<b>x.xxx</b>
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<b>17.754</b>	<b>Picadilly Circus Junction.</b> The Otway trail head sign is located at this 4-way junction. Continue straight, and turn left at the 2-way fork (right if traveling south).	<b>0.246</b>
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Route Description

**18.000 Otway Access at Lower Parking Lot.** Northern terminus **0.000** of the greenway. Parking facilities, a cabin for day use, outhouses, and lighted track are present at this site.

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Kilometers  
**End**

**SOUTHBOUND**  
Kilometers  
**Start**

**END OF SECTION**  
**( Sketch)**





## **Section 5: Safety & Etiquette**

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The main purpose of the greenway is to provide a safe natural experience to urban users. Certain issues must be examined to provide a reasonable level of safety on the greenway. The society will be responsible for some safety issues of the greenway, but the etiquette of trail users will also have a strong impact on the safety of the area.

Wilderness areas are inherently hazardous for several reasons, one being that medical aid is not as available as it is in urban and suburban regions. Hence, users should be aware of their isolation and plan accordingly while recreating in the greenway. Users are encouraged to carry enough food and drink, seeing as these are limited on the greenway. Another safety issue is to remain orientated at all times, so as to allow relatively easy exit from greenway to reach medical aid if needed. To this end, trail markers have been installed frequently enough along the greenway so that if one is standing at or just past a marker the next marker is visible. The society will make any effort to inform users of their nearest access point by providing brochures at each major access outlining distances between the access points. This should give users the ability to determine the access point that will provide the quickest way to reach medical aid if needed.

Beyond making the users aware of their isolation, the society has an added obligation to make the greenway as safe as it reasonably can. Debris, roots, rocks, stumps, and dangerous snags have been removed from the trail tread surface and canopy to lessen the chance of user's injuring themselves while on the greenway. In addition, bridges and boardwalks will be regularly maintained for the safety of all users.

The design of the trail was developed with safety issues in mind. The width of the trail was designed to allow the comfortable passage of multi-user

Safety & Etiquette

groups bidirectionally, therefore minimizing the chance of collisions between users. To further lessen the chance of user collision, cyclists and horseback riders are requested to yield to pedestrian traffic and use the greenway with caution. No motorized vehicles are allowed on the trail, for both safety and environmental reasons. In addition, no shooting is permitted within the greenway boundaries. Most importantly, users are reminded to respect private property, seeing as the greenway was made possible through the cooperation of private property owners.

User interaction with wildlife, especially with larger species such as moose and bear, is also a safety concern. All wild animals on the greenway are potentially dangerous and may be encountered at any time. Several strategies can help to prevent unwanted conflict between users and wildlife. The worst circumstance would be to surprise a bear! Making sufficient noise while on the greenway is an effective method to deter wildlife. Using a bell or whistle, and talking intermittently should be enough noise to alert wildlife of your presence. If bear signs are found, such as skat, tracks or diggings, make extra noise to warn them of your presence. If approached by a bear, stay calm and don't run, but move slowly away if possible. Also, carry bear spray for added protection and avoid carrying food with strong aromas such as tuna or salmon sandwiches. To attain further information on bear safety, contact the local parks branch for pamphlets. Warning signs and information on wildlife safety will also be posted on trail head signs at major access points.

**END OF SECTION**  
**( Photo or Sketch)**







**Section 6: Conservation**

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The Cranbrook Hill Greenway Society has achieved their initial goal of establishing greenway boundaries and acquiring public and private land to connect the south and north ends of Cranbrook Hill. The Cranbrook Hill Greenway is a linear area that will be protected from other developments on Cranbrook Hill, such as logging, agricultural leases and residential construction. The greenway will provide an area buffered from the hustle of urban life in the face of future development on Cranbrook Hill.

Now that the greenway is established, maintaining a healthy ecosystem of the greenway is one of the management goals that the Cranbrook Hill Greenway Society strives to achieve. Proper maintenance of the greenway trail and protection of sensitive areas like marshes is important in preserving the ecosystem. The society is not solely responsible for the conservation of the greenway, for the etiquette of trail users will have a strong impact on the survival of this protected area.

Many factors could contribute to the deterioration of the greenway's natural beauty. Activities such as refraining from picking wildflowers and packing garbage out of the area will help sustain a pleasant environment. It must not be forgotten that wildlife are the primary users of the greenway, hence should be respected if encountered on the trail. Wildlife species of the greenway most susceptible to disturbance are moose and black bear. Sightings and animal dropping of these species predominately occur in riparian areas, especially along the long drainage in the middle of the greenway. Even though non-motorized use should cause minimal disturbance to these two key species, frequent surprises could cause these species to avoid the area. In most cases, the route has been flagged far enough from favored riparian habitat of moose and bear, therefore conflict between humans and these species should be minimal. Cement dividers are placed at some access points to prevent motorized vehicles from using the greenway. If motorized vehicles are sighted on the greenway, users are asked to report all such cases to the Cranbrook Hill Greenway Society.

### Conservation

Please phone 962-2923 with a description, license plate, make, model, color, etc. of the vehicle if possible.

Maintaining native vegetation is also important to sustain viable communities on the greenway. Native vegetation provides food for wildlife communities, and contributes to the uniqueness that nature is so often admired for. Non-native seeds could be carried onto the greenway by horses via their feces and fur, therefore owners are asked to carry a collection device for their horse's feces while on the greenway. Non-native seeds have been known to aggressively over take natural vegetation, hence it is important to minimize their presence on the greenway. In addition, grazing and trampling by horses and humans could destroy plant life and soil structure that are imperative to limiting erosion on the greenway. To help preserve the greenway, users are asked to stay on marked trails, especially in sensitive areas such as wetlands and drainage systems. Riparian environments are valuable for wildlife habitat in that they have woody plant communities with structural variation, surface water and soil moisture and spatial heterogeneity of habitat.

By practicing the conservation strategies discussed above, the Cranbrook Hill Greenway should be capable of sustaining biodiverse wildlife communities, as well as naturalist and recreational activities for future generations.

**END OF SECTION**  
**(Photo or Sketch)**









## **History of the Society**

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The idea of establishing trails on Cranbrook Hill began in the 1970's between various groups and the local government of Prince George. Individuals such as Bjorn Norheim (Sons of Norway), Yvonne Harris (Director of Regional Planning), and others corresponded about the idea of creating "recreational corridors" on the west side of Cranbrook Hill. Bjorn Norhiem surveyed potential sites in the areas of Miworth, Otway road, and Takla road. Some trails were developed, especially in the area of Otway road where the Otway Ski Center presently resides. However, due to the lack of funding in the 1980's the project was discontinued.

A renewed interest began in the 1990's when Robin Draper (BC Parks Recreation Officer) introduced the "Greenway Concept" and offered his expertise in starting a project of such magnitude. A 1991/92 survey was conducted at the Otway Ski Club and 84 % were in favor of a recreational area linking the Center to UNBC and Parkridge creek. Due to this significant amount of interest, the Cranbrook Hill Trail Task Group was organized in November 1994 by a group of Prince George residents who were interested in establishing a greenway connecting the Otway Ski Center, UNBC, Forests For The World and Parkridge Creek. The vision statement of the Cranbrook Hill Trail Task Group in June 1995 was:

Working towards the preservation of a right of way, and identifying a series of adjacent recreation areas, for a greenway linking Parkridge creek at Highway 16 to UNBC to Forests for the World to the Otway Ski Center. This process will also include identifying and preserving key access points. The right of way will form the backbone of future trail and recreation development on Cranbrook Hill.

This statement appeared in the Cranbrook Hill Greenway Proposal which was presented to BC Lands, the City of Prince George and the Fraser Fort George Regional District, after which the Cranbrook Hill Trail Group was disbanded and the Cranbrook Hill Greenway Society was formed in October 1995.

### **Legal Status of the Society**

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The Cranbrook Hill Greenway Society has contacted and dealt with various agencies in order to make the greenway official. On September 14, 1995 the City of Prince George applied for a License to Occupy all lands covered by the proposed greenway from the Crown. This included lands inside and outside the municipal boundaries. The Crown referred the application to all other agencies required and began to compile the parcel identifiers for the License. On March 4, 1996 the City agreed to purchase certain lands, negotiate a right-of-way and sign a lease with the Crown. In April 1996 the City informed the Cranbrook Hill Greenway Society that the Council had approved a recommendation to enter into a License of Occupation with BC Lands for the Cranbrook Hill Greenway. In addition, the Agriculture Land Commission approved the greenway in the Agriculture Land Reserve sections.

One of the key steps towards securing long term tenure for the Greenway was the completion of the agreement between BC Lands and the City of Prince George. The final details of the agreement were completed at the end of year 1996 and the formal signing took place early in 1997. Now that this process is complete, the city of Prince George is in agreement with the Cranbrook Hill Greenway Society to develop and manage the greenway.

### **Purpose and Structure of the Society**

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The Cranbrook Hill Greenway Society is a non-profit organization that is a cooperative venture between organized trail user groups, public agencies and individuals that have an interest in the Cranbrook Hill Greenway. One of the purposes of the society is to develop, manage and maintain the greenway and associated trails on Cranbrook Hill. The society encourages

safe and wise use of the Cranbrook Hill Greenway and associated trails by encouraging programs of safety and outdoor ethics. Furthermore, the society works together to acquire funds and expertise to ensure all the objectives of the society are met.

The society has an official board of directors and members classified into three groups; organizations, advisory, and public agencies. Organizations include groups involved with the outdoors and activities including hiking, running, cycling, X-country skiing, and horse-back riding. Organized trail user groups with an interest in the objectives of the Society may apply for membership and on acceptance by the Directors shall be a member of the Society and have one vote exercised through a delegate to the Society. This delegate shall be named by the Organized Group and a letter of accreditation sent to the Society.

Advisory members are individuals that do not represent an organization, but who have specific expertise and/or interest in the objectives of the Society and whose participation would broaden the capability of the Society. These individuals may be invited by the Directors to be a member and participate in the work of the Society. Advisory members are not eligible to vote except when elected to the Board of Directors.

Lastly, public agencies with an interest in the objectives of the Society may apply for membership and on acceptance by the Directors shall be a member of the Society and have one vote exercised through a delegate to the Society. This delegate shall be named by the Public Agency and a letter of accreditation sent to the Society.

The 1997 list of organizations and public agencies is as follows:

- Caledonia Nordic Ski Club
- Caledonia Ramblers
- Dusty Trail Riders
- Northern BC Arabian Breeders Association
- Prince George Cycling club
- Prince George Horse Society
- Prince George Naturalists Club
- Prince George Road Runners

Greenway Society

- Prince George Triathlon Association
- Sons of Norway
- UNBC Outdoor Club
- University of Northern British Columbia
- Forests for the World
- City of Prince George Parks Development

The private sector also sponsors the Cranbrook Hill Greenway Society. Early in the developmental stages of the Cranbrook Hill Greenway Society project, Canfor voiced a desire to become involved and committed \$25 000 to be spent over 5 years to the project.

Overall, the Cranbrook Hill Greenway Society has diverse membership and welcomes new members in hopes to attain more expertise and a greater volunteer base (Contact Robin Draper at 250-962-2923).

**END OF SECTION**  
**(Photo or Sketch)**

