

## IV. MOUNTAIN FACILITIES

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### .1 Goals and Objectives

A winter resort area master plan involves planning the removal or replacement of existing equipment integrated with the addition of new facilities. It is important to have an overview of the complete project at build-out so that facilities can be balanced and capital effectively invested.

The objectives of the Panorama Mountain Village Master Plan are as follows:

- Optimize the use and operational efficiency of the existing physical plant
- Provide skiers/snowboarders with a high quality experience including some of the best lifts, trails, and skier service facilities in western Canada
- Balance lift and trail capacities
- Provide adequate amount of skier services in appropriate zones of the mountain
- Define goals to guide management and inform public agencies during the ensuing 5 - 10 year period.

The following section proposes the installation of new equipment and the relocation and upgrading of existing equipment. Panorama must be prepared to invest capital to improve facilities and increase capacity to sustain market growth.

We have utilized a number and letter code to indicate the type of lift installation proposed. The coding is listed below.

P	Platter Surface Lift
T-B	T-Bar Surface Lift
2C	Double Chairlift
3C	Triple Chairlift
4C	Fixed Grip Quadruple Chairlift
Cab	Cabriolet Type Gondola People Mover
D4C	Detachable Grip Quadruple Chairlift
R	Replacement Lift (i.e. 2R)

## **.2 Mountain Master Plan**

The Panorama Mountain Village Master Plan is illustrated on Figure 11. The objectives of the Master Plan are to renovate and modernize Panorama to make it a more desirable place to ski and snowboard and bring it up to, and beyond standards set by competitive destination resorts in western Canada.

This plan will provide facilities to increase the quality of the skier/snowboarder experience and the attractiveness of the area to both local and destination visitors. Physically, this plan will improve skier circulation in the existing area, speed up access to the upper mountain, as well as add new terrain. The Mountain Village Master Plan is summarized in Table IV.1.

The Mountain Village Master Plan included the development of the championship Greywolf 18-hole golf course and development of residential accommodation surrounding the golf course, as well as upgrading of the Panorama Village.

Also included in the Master Plan, is the renovation and expansion of the mountain facilities to provide guests with a high quality experience. Development will consist of the construction of several new lifts, construction of a mid-mountain restaurant, re-grading and construction of several new trails to alleviate bottlenecks, fine (summer) grooming of ski trails, installation of additional snowmaking and construction of infrastructure.

### Lifts

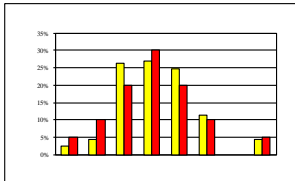
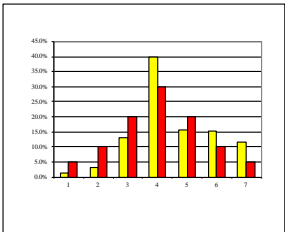
In 1998, Panorama operated one detachable grip lift and 6 fixed grip lifts including one triple, two doubles, two T-Bars and one platter. In order to attract additional destination visitors, Panorama must join the leaders in the industry by providing additional high speed detachable chairlifts. This type of lift is now quite prevalent at leading destination resort areas, due to skier's preference for more comfortable loading and unloading, not to mention the speed of the lift and the opportunity to increase the amount of skiing/snowboarding possible in one day. In fact, the number and size of detachable quadruple chairlifts offered at a winter resort area has become a very important factor when skiers/snowboarders make their decision on where to spend their day.

Vertical rise is also a very important factor in a skier's decision making process. The total amount of vertical serviced by high speed, detachable quad chairlifts available at the ski area significantly affects the decision making process, as does the vertical rise on each individual lift, but to a lesser degree.

The Master Plan proposes the installation of four new detachable quadruple chairlifts, two quadruple chairlifts and the addition of a moving carpet and a handle two. By 2016, most of these improvements are in place and only 3 detachable lifts remain to be installed. At completion of this Master Plan, the lift system will be able to stage guests from the Village through the Mile One Chair and the Toby/Sunbird lift system.

Currently, Panorama operates a total of 10 lifts including the Village Pulse Gondola Cabriolet, 2 high speed detachable quadruple chairlifts, 2 quadruple chairlifts, 1 triple, 1 double, 1 platter and 2 moving carpets.

**TABLE IV.1  
MASTER PLAN SUMMARY**

PHASE	LIFTS	NUMBER OF LIFTS	SCC (skiers)	TRAILS	TRAIL BALANCE
<b>EXISTING (1999)</b>	Lift 1 - First Ascent - D4C - 1,992 pph Lift 2 - Horizon 2C - 994 Lift 3 - Toby - 2C - 1,217 pph Lift 4 - Sunbird - 3C - 1,700 pph Lift 5 - Champagne - T-Bar - 450 pph Lift 6 - Summit - T-Bar - 600 pph Lift 7 - Silver - Platter - 720 pph Lift 8 - Red Rider - Handle Tow - 720 pph	8	3,600	290.3 ha. 6,125 skiers/day	
<b>MASTER PLAN</b>	Remove: Lift 2 - Horizon 2C - 994 Lift 5 - Champagne - T-Bar - 450 pph Lift 6 - Summit - T-Bar - 600 pph Install: Lift 2R - Champagne Express D4C - 2,400 pph (2003) Lift 6R - Summit 4C - 998 pph (2003) Lift 8a Red Carpet - 900 pph (2006) Lift 8b Little Ripper HT - 600 pph (2006) Lift 9 - Discovery Beginner - 4C - 1,000 pph (2014) Lift 10 - Taynton Bowl - D4C - 2,400 pph Lift 11 - Hopeful Creek - D4C - 2,100 pph Lift 12 - Sunbowl D4C - 2,000 pph Increase Capacity: Lift 1 - Mile One - D4C to 2,800 pph Existing: Lift 3 - Toby - 2C - 1,217 pph Lift 4 - Sunbird - 3C - 1,700 pph Lift 7 - Silver - Platter - 720 pph	12	8,970	504 ha. 9,830 skiers/day	

### Lift 1 - Mile One Upgrade

Lift 1, the Mile One quadruple chairlift, has been retained in its current configuration but will be upgraded to increase its capacity to 2,800 pph when required. The Sunbird, Toby and Silver Platter will also remain in their current configurations. The Red Rider Handle tow is replaced with a moving carpet and the Little Ripper moving carpet is added. Night skiing/snowboarding is serviced by Mile 1 Express on Show Off.

## Lift 2R - Champagne Quad

The Master Plan envisions the replacement of the existing Horizon Chairlift and Champagne T-bar with a high speed detachable quadruple chairlift. The top terminal of this new detachable lift will be located three-quarters of the way up the Champagne T-bar, about 120 vertical meters higher than the existing Horizon double chairlift, at the 2,160-meter elevation. The bottom terminal will be moved 26 vertical meters lower at the 1,530-meter elevation, just below the existing bottom terminal. This lift will be approximately 1,930 meters in length and will have a vertical rise of 630 meters. The lift would be installed with an hourly capacity of approximately 2,400 pph and would have a ride time of 6.6 minutes, running at 5.0 meters per second. This lift would use the existing Horizon trails, as well as several more to be constructed between these trails and Schober's. With the construction of a skiway to the southwest from the top terminal, this lift will service return skiing on Schober's Dream, Hopeful Sun Bowl and the gladed areas on either side of Schober's Dream, which currently requires a total of three lift rides. A mid-mountain restaurant is proposed to be constructed adjacent to the top of the new Lift 2R. The Champagne detachable quad will be able to accommodate 1,730 skiers per day. (Note: this lift was installed in 2003).

The skiway from the top of the new Champagne detachable quad will merge with Schober's Dream near the 2,100 meter elevation, approximately 65 meters lower than the existing Summit T-Bar. In order to provide access to the summit, it is proposed that the Summit T-bar be replaced by a fixed grip quadruple chairlift with the bottom terminal relocated to the 2,085 meter elevation, adjacent to Schober's Dream. (Note: this lift was installed in 2003). The new Summit chair will have a vertical of 279 meters and a carrying capacity of 190 skiers and snowboarders per day. This lift can be installed using the existing Horizon equipment when it is replaced. The extension of this lift to a lower elevation will allow the mountain to remove the Champagne T-Bar (resulting in less maintenance and operation costs) and will allow skiers to access the Summit with fewer lift rides.

## Lift 9 - Discovery Quad

In order to provide additional beginner terrain, a fixed grip quadruple chairlift (Lift 9) located between the Village and the proposed Trapper's Loop subdivision has been included in the Master Plan. When installed as a fixed grip quadruple chairlift, this lift will allow three students to be accompanied by an instructor or adult on each chair. The Discovery Chair will have an hourly capacity of 1,000 passengers per hour and a loading interval of nine seconds, which is very suitable for beginners. The lift will be able to accommodate 380 beginner skiers per day. (Note: this lift was installed in 2014).

## Lift 10 - Taynton Bowl

A detachable grip quadruple chairlift (Lift 10) is proposed to be installed within Taynton Bowl Valley with the top terminal at the 2,450 meter elevation of Taynton Ridge and the bottom terminal located at the bottom of the existing Stumbock's ski trail at the 1,740 meter elevation as illustrated on Figure 11, The Mountain Master Plan. With the chairlift, in this configuration, it will have a vertical rise of 710 meters and, with a capacity of 2,400 passengers per hour, will be able to accommodate approximately 1,100 skiers per day. This lift will provide a large expanse of skiing in the advanced and expert skill classes. This ski terrain is at a relatively high elevation where temperatures are cooler and snow quality is maintained. A portion of the terrain proposed to be serviced by this lift lies outside the existing Panorama Controlled Recreational Boundary (CRA). This terrain outside the CRA is currently utilized by "side-country" and "back-country" skiers using Panorama's lift and trails system. As a result, Panorama has found it necessary to monitor snow stability and control avalanches within the entire Taynton Valley, both inside and outside the CRA for skier safety. The installation of a lift within this zone will assist Panorama in the control of avalanches and safety. It should be noted: that increased skier traffic in this area will also assist in avalanche control through skier compaction.

## Controlled Recreation Boundary Adjustment

In order to bring all of this terrain within the CRA it is proposed that the boundary be adjusted to include 383 additional hectares of terrain as illustrated on Figure 11a. The Taynton Bowl terrain would include 23 gladed and open bowl ski trails supporting approximately 700 skiers on 117 hectares of ski trails. Most of the ski terrain within the Taynton zone is steep terrain and naturally open or gladed, requiring minimal tree clearing for trail construction. The development of these gladed trails will be undertaken in a phased approach using best practices for gladed ski trail development and forestry silviculture. A ski-out trail has been established stretching from the bottom of the Taynton Valley to the base area for egress, as illustrated on Figure 11a.

## Infrastructure

Three phase 25K volt power would be supplied from the top of the summit chairlift. An underground cable would be routed up the Taynton Ridge to the Lift 10 Top Terminal and the Warming Hut. A lower Voltage line would be routed from the top of the Summit Chairlift down the Stumbock's ski trail to provide electrical power to the bottom station of Lift 10. Water would be supplied to the hut via snowcat and the hut would also contain composting toilets.

A warming hut with minimal services would be established at the top of the Taynton Bowl Lifts. This hut would be used by ski patrol as a “bump room” where patrol waits on standby at the top of the lift. This hut would also serve as a warming hut for guests using the Taynton Bowl area.

### Environmental

An environmental inventory and review of the Taynton Bowl drainage was undertaken by GeoAlpine Cascade Environmental Consulting Ltd. in 1999.

In terms of cultural features their report stated that no archeological or heritage features were identified. The only evident anthropogenic activities in the area related to recreational uses such as tree cutting to produce gladed helicopter ski runs for commercial backcountry recreation. A number of horse trails were also observed at various elevations. These trails were attributed to back country guiding, hunting and possible recreational riding during the summer.

Climatic conditions are well documented from the skiing operation and no constraints were noted. Exposed bedrock occurs frequently in steep areas and does not pose a geological hazard such as related to slope failures from weather or highly fractured units. The site, however, indicated areas with landslide and snow avalanche activity.

The mid and upper reaches of Taynton Creek include several deep channels with steep terrain with high snow loading and are likely associated with mass movement events during spring run-off.

There were no specific constraints associated with the various tree and plant species found within the Taynton Bowl study area. No rare, endangered or threatened terrestrial plants or plant communities were observed. It should be assumed that the red and blue listed species may occur within the study area and care should be taken to survey areas with anticipated ground disturbance prior to construction. No rare or endangered plants were identified within the wetlands in the study area.

No rare or endangered animals were identified, however, recommendations were made to limit construction to specific times of the year. General recommendations were also made for habitat protection.

The entire environmental report is on file with the Ministry of Forest, Lands and Natural Resource Operations as part of the 1999 Master Plan.

### Lift 11 - Hopeful Creek

A detachable quadruple chairlift (Lift 11) starts in the Hopeful Creek Valley at the 1,645-meter elevation, and runs up to the 2,160 meter elevation, slightly above the bottom terminal of the Summit chair. This top terminal has been chosen to provide better and easier access to good skiing/snowboarding in the upper Hopeful Creek area and also to provide easy access to the Summit lift and Schober's run. The Hopeful Creek Quad will have a total vertical rise of 515 meters and a ride time of 4.6 minutes, based on a cable speed of 5.0 meters per second. The Hopeful Creek detachable quad will have a rated hourly capacity of 2,100 passengers per hour resulting in an estimate carrying capacity of 640 skiers per day. This lift, by itself or in conjunction with the Summit chair, will also service a huge expanse of "backcountry" terrain to the east of these lifts.

### Lift 12 - Sunbowl

The Sunbowl detachable quadruple chairlift (Lift 12) starts at the 1,265meter elevation in the Hopeful Creek Valley and terminates at the 1,850-meter elevation of Schober's Dream trail, a total of 585 meters of vertical. With a cable speed of 5.0 meters per second, this lift has an estimated ride time of 7.1 minutes. With a rated hourly capacity of 2,000 passengers per hour, this lift will have a capacity of 1,680 skiers per day. In addition to servicing return cycle skiing, this lift will provide an important second access route to the large amount of skiing terrain in the "back" of the ski area.

At the completion of the Master Plan, the resort will be able to accommodate 8,970 skiers per day with 12 lifts. Detailed specifications for the proposed Master Plan lifts are listed in Table IV.2. A total of 504 hectares of ski trails have been designed to provide adequate trail capacity for the proposed SCC. The proposed trails will be able to accommodate 9,830 skiers per day. As a result of the trail capacity exceeding lift capacity, the overall average densities will be lower than the planning parameters resulting in higher quality snow conditions on the slopes as a result of less wear and tear. The detailed ski trail alignments are graphically illustrated on Figure 11 and the specifications are listed in Table IV.3.

The Cumulative Trail Balance Statement (Table IV.4) illustrates that the proposed trails, are somewhat unbalanced as compared to the skier market. The beginner and novice skill class trails (green circle) are able to service almost 5 percent of the market, as compared to the planning goal of 15 percent. The intermediate skill class trails (blue square) service 68 percent of the market, compared to the planning goal of 70 percent. The intermediate skill class trails therefore are in good balance with the skier market. The advanced and expert skill class trails (black diamond) service 27 percent of the market compared to a planning goal of 15 percent. The skill class balance of terrain is graphically illustrated in Plate IV.1.

**TABLE IV.2  
PANORAMA MASTER PLAN  
LIFT SPECIFICATIONS**

<b>Lift Number</b>	<b>1</b>	<b>2R</b>	<b>3</b>	<b>4</b>	<b>6R</b>	<b>7</b>	<b>8a</b>
<b>Lift Name</b>	<b>Mile</b>	<b>Champagne</b>	<b>Toby</b>	<b>Sunbird</b>	<b>Summit</b>	<b>Silver</b>	<b>Red</b>
<b>Lift Type</b>	<b>One</b>	<b>Express</b>	<b>Double</b>	<b>Triple</b>	<b>Quad</b>	<b>Platter</b>	<b>Carpet</b>
<b>Year Constructed</b>	<b>D4C</b>	<b>D4C</b>	<b>2C</b>	<b>3C</b>	<b>4C</b>	<b>P</b>	<b>MC</b>
	<b>1988</b>	<b>2003</b>	<b>1978</b>	<b>1980</b>	<b>2003</b>	<b>1975</b>	<b>2006</b>
Top Elevation m.	1,560	2,160	1,273	1,596	2,365	1,220	1,209
Bottom Elevation m.	1,180	1,530	1,150	1,181	2,080	1,160	1,185
Total Vertical m.	380	630	123	415	285	60	24
Horizontal Distance m.	1,345	1,824	572	1,156	846	476	164
Slope Distance m.	1,400	1,930	584	1,230	893	480	166
Average Slope %	28%	35%	22%	36%	34%	13%	15%
Rated Capacity	2,800	2,400	1,217	1,700	998	750	900
V.T.M./Hr.(000)	1,064	1,512	150	705	284	45	22
Rope Speed m/sec.	5.0	5.0	2.0	2.3	2.0	2.5	1.8
Trip Time min.	4.67	6.43	4.87	8.91	7.44	3.20	1.51
Operating Hr./Day	7.0	7.0	7.0	7.0	6.0	7.0	7.0
V.T.M. Demand/Day	3,567	5,003	2,827	4,095	6,799	1,243	940
Loading Eff. %	95%	95%	90%	85%	85%	80%	95%
Access Reduction	26%	13%	50%	0%	19%	10%	10%
<b>SCC Skiers/Day</b>	<b>1,460</b>	<b>1,730</b>	<b>170</b>	<b>1,020</b>	<b>170</b>	<b>180</b>	<b>100</b>

<b>Lift Number</b>	<b>8b</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	
<b>Lift Name</b>	<b>Little</b>	<b>Discovery</b>	<b>Taynton</b>	<b>Hopeful</b>	<b>Sunbowl</b>	
<b>Lift Type</b>	<b>Ripper</b>	<b>Quad</b>	<b>Bowl</b>	<b>Creek</b>		<b>TOTAL</b>
<b>Year Constructed</b>	<b>HT</b>	<b>4C</b>	<b>D4C</b>	<b>D4C</b>	<b>D4C</b>	
	<b>2014</b>	<b>2014</b>				
Top Elevation m.		1,351	2,450	2,160	1,850	
Bottom Elevation m.		1,180	1,740	1,645	1,265	
Total Vertical m.	4	171	710	515	585	3,902
Horizontal Distance m.	40	880	1,782	1,280	2,040	
Slope Distance m.	40	898	1,918	1,380	2,122	13,040
Average Slope %	10%	19%	40%	40%	29%	31% Mean
Rated Capacity	600	1,000	2,400	2,100	2,000	18,865
V.T.M./Hr.(000)	2	171	1,704	1,082	1,170	7,910
Rope Speed m/sec.	1.8	2.2	5.0	5.0	5.0	
Trip Time min.	0.37	6.80	6.39	4.60	7.07	
Operating Hr./Day	7.0	7.0	5.5	6.0	6.5	6.7
V.T.M. Demand/Day	940	2,543	8,076	6,437	4,188	
Loading Eff. %	95%	80%	95%	95%	95%	
Access Reduction	0%	10%	0%	0%	0%	
<b>SCC Skiers/Day</b>	<b>40</b>	<b>340</b>	<b>1,100</b>	<b>960</b>	<b>1,730</b>	<b>8,970</b>



**TABLE IV.3  
PANORAMA MASTER PLAN  
TRAIL SPECIFICATIONS**

Trail Name	Trail No.	Skill Class	Elevation		Total Vertical m.	Horz. Distance m.	Slope Distance m.	Percent Slope		Avg. Width m.	Horz. Area ha.	Slope Area ha.	Skiers At Area	
			Top m.	Bottom m.				Avg.	Steep.				Density	Total
<b>Lift 1 Mile One</b>														
Powder Trail	1A	4	1,515	1,240	275	1,095	1,129	25%	42%	54	5.9	6.1	40	245
Horseshoe	1B	3	1,563	1,183	380	1,470	1,518	26%	37%	66	9.7	10.0	40	400 snowmaking
Showoff	1C	3	1,525	1,215	310	1,120	1,162	28%	37%	52	5.8	6.1	40	240 snowmaking
	1D	3	1,560	1,485	75	215	228	35%	40%	33	0.7	0.7	40	30 snowmaking
Old Timer	1E	3	1,563	1,205	358	1,475	1,518	24%	36%	46	6.8	7.0	40	280 snowmaking
Hay Fever	1F	6	1,490	1,305	185	655	681	28%	55%	31	2.0	2.1	15	30
Cliff Glade	1G	7	1,455	1,275	180	635	660	28%	60%	152	9.7	10.0	5	50 gladed
Upper Loose Moose	1H	4	1,495	1,437	58	245	252	24%	38%	16	0.4	0.4	40	15
Lower Loose Moose	1I	4	1,415	1,267	148	555	574	27%	35%	12	0.6	0.7	40	25
Campbell's Canyon	1J	2	1,425	1,380	45	345	348	13%	13%	13	0.5	0.5	50	25
Deck's Cross/Strobl Strasse	p 2K	4	1,875	1,350	525	2,345	2,403	22%	43%	24	5.5	2.1	40	85
Ostrander	p 2L	6	1,630	1,375	255	815	854	31%	50%	35	2.9	1.1	15	15
Zehnder way	p 2M	5	1,690	1,360	330	935	992	35%	45%	37	3.4	1.4	30	40
McIntosh Way	p 2N	4	1,565	1,350	215	1,110	1,131	19%	38%	34	3.8	1.5	40	60
Trapper's Ridge	p 2O	4	1,360	1,160	200	860	883	23%	37%	29	2.5	0.9	40	35
Joe C's Forest	p G6	6	1,600	1,375	225	685	721	33%	41%	140	9.6	3.8	4	15 gladed
Duthie Forest	p G7	6	1,675	1,350	325	930	985	35%	53%	176	16.3	6.5	4	25 gladed
Gunner's Glade	p G8	5	1,550	1,365	185	695	719	27%	38%	166	11.5	4.5	8	35 gladed
	p G9	5	1,370	1,295	75	295	304	25%	37%	132	3.9	1.4	8	10 gladed
Messerli's Mile	p L	6	1,960	1,785	175	415	450	42%	57%	53	2.2	0.7	15	10
	p N	6	2,060	1,685	375	970	1,040	39%	65%	39	3.8	1.2	15	20
Total Lift 1	10	(no partial trails included)						8,070	(no partial trails included)			68.6		1,690
<b>Lift 2 Champagne Express</b>														
Downhill Right	2A	6	1,903	1,830	73	155	171	47%	57%	42	0.7	0.7	15	10
Downhill	2B	6	2,040	1,605	435	1,070	1,155	41%	54%	55	5.9	6.3	15	95
Tacky	2C	6	1,860	1,585	275	740	789	37%	56%	43	3.2	3.4	15	50
Skyline	2D	4	2,160	1,527	633	1,985	2,083	32%	45%	56	11.1	11.7	40	465 snowmaking
Rollercoaster	2E	5	2,065	1,590	475	1,360	1,441	35%	47%	63	8.6	9.1	30	275 snowmaking
Cow's Face	2F	5	1,625	1,550	75	235	247	32%	44%	55	1.3	1.4	30	40
Lifeline	2G	5	2,005	1,680	325	895	952	36%	42%	25	2.2	2.4	30	70
	2H	5	1,580	1,545	35	110	115	32%	32%	39	0.4	0.5	30	15
Lower Downhill	2I	6	1,612	1,525	87	280	293	31%	48%	50	1.4	1.5	15	20
Surf	2J	7	2,035	1,910	125	205	240	61%	73%	31	0.6	0.7	20	15
Deck's Cross/Strobl Strasse	p 2K	4	1,875	1,350	525	2,345	2,403	22%	43%	24	5.5	3.5	40	140
Ostrander	p 2L	6	1,630	1,375	255	815	854	31%	50%	35	2.9	1.9	15	30
Zehnder way	p 2M	5	1,690	1,360	330	935	992	35%	45%	37	3.4	2.3	30	70
McIntosh Way	p 2N	4	1,565	1,350	215	1,110	1,131	19%	38%	34	3.8	2.4	40	95
Trapper's Ridge	p 2O	4	1,360	1,160	200	860	883	23%	37%	29	2.5	1.5	40	60
	2P	5	2,160	2,075	85	320	331	27%	50%	33	1.1	1.1	30	35
	2Q	5	2,100	2,005	95	335	348	28%	52%	41	1.4	1.4	30	45
	p 2R	6	1,890	1,460	430	1,135	1,214	38%	58%	48	5.4	3.5	15	50
	p 2S	6	2,020	1,500	520	1,400	1,493	37%	60%	40	5.7	3.6	15	55
	p 2T	6	2,105	1,615	490	1,605	1,678	31%	53%	33	5.2	3.3	15	50
	p 2U	5	2,155	1,855	300	1,305	1,339	23%	50%	29	3.8	2.4	30	70
Last Chance	p I	6	2,190	1,940	250	625	673	40%	59%	29	1.8	1.3	15	20
View of 1000 Peaks	p J	6	2,260	1,925	335	1,300	1,342	26%	55%	34	4.4	3.1	15	45
Red's Bowl	p K	7	2,090	1,940	150	345	376	43%	91%	36	1.3	0.9	20	20
Messerli's Mile	p L	6	1,960	1,785	175	415	450	42%	57%	53	2.2	1.2	15	15
Elmo	p M	7	2,315	2,185	130	295	322	44%	81%	35	1.0	0.8	20	15
	p N	6	2,060	1,685	375	970	1,040	39%	65%	39	3.8	2.0	15	30
Hideaway	p G1	7	2,085	1,850	235	565	612	42%	63%	111	6.3	4.1	5	20 gladed
Upper Extreme Dream	p G4	7	2,360	2,075	285	950	992	30%	64%	66	6.3	4.5	5	25 gladed
Lower Extreme Dream	p G5	7	2,120	1,890	230	925	953	25%	58%	46	4.3	3.0	5	15 gladed
Joe C's Forest	p G6	6	1,600	1,375	225	685	721	33%	41%	140	9.6	6.3	4	25 gladed
Duthie Forest	p G7	6	1,675	1,350	325	930	985	35%	53%	176	16.3	10.8	4	40 gladed
Gunner's Glade	p G8	5	1,550	1,365	185	695	719	27%	38%	166	11.5	7.4	8	55 gladed
	p G9	5	1,370	1,295	75	295	304	25%	37%	132	3.9	2.4	8	20 gladed
Total Lift 2	34						29,644					112.4		2,100

Note: p = partial trail area shared with another lift

**TABLE IV.3 CONT.  
PANORAMA MASTER PLAN  
TRAIL SPECIFICATIONS**

Trail Name	Trail No.	Skill Class	Elevation		Total Vertical m.	Horz. Distance m.	Slope Distance m.	Percent Slope		Avg. Width m.	Horz. Area ha.	Slope Area ha.	Skiers At Area	
			Top m.	Bottom m.				Avg.	Steep.				Density	Total
<u>Lift 3 Toby Double</u>														
New Timer	3A	4	1,273	1,153	120	515	529	23%	44%	33	1.7	1.8	40	70 snowmaking
Eagle Glade	3B	2	1,273	1,153	120	525	539	23%	30%	34	1.8	1.9	50	95 snowmaking
Workshop	3C	4	1,270	1,155	115	585	596	20%	46%	21	1.2	1.2	40	50 snowmaking
Hoggsflats	3D	2	1,273	1,172	101	430	442	23%	30%	30	1.3	1.3	50	65 snowmaking
Total Lift 3	4						2,105					6.2		280
<u>Lift 4 Sunbird Triple</u>														
Fritzs/Chicken's Choice	4A	4	1,596	1,181	415	1,520	1,576	27%	41%	38	5.8	6.1	40	240 snowmaking
Whiskey Jack	4B	3	1,475	1,300	175	520	549	34%	40%	52	2.7	2.8	40	115 snowmaking
Sunbird	4C	6	1,585	1,375	210	610	645	34%	45%	27	1.6	1.7	15	25
Heaven Can Wait	4D	4	1,580	1,435	145	390	416	37%	45%	42	1.6	1.8	40	70 part snowm.
Little Dipper	4E	5	1,495	1,270	225	630	669	36%	46%	43	2.7	2.9	30	85 snowmaking
Out Rider	4F	4	1,596	1,220	376	1,435	1,483	26%	37%	50	7.2	7.4	40	295
	4G	4	1,490	1,181	309	905	956	34%	41%	60	5.4	5.7	40	230
Lower Fritzs	4H	6	1,275	1,200	75	165	181	45%	55%	55	0.9	1.0	15	15 snowmaking
	4I	4	1,580	1,380	200	755	781	26%	42%	43	3.2	3.4	40	135
	p 2R	6	1,890	1,460	430	1,135	1,214	38%	58%	48	5.4	2.3	15	35
	p 2S	6	2,020	1,500	520	1,400	1,493	37%	60%	40	5.7	2.4	15	35
	p 2T	6	2,105	1,615	490	1,605	1,678	31%	53%	33	5.2	2.2	15	35
	p 2U	5	2,155	1,855	300	1,305	1,339	23%	50%	29	3.8	1.6	30	45
Hideaway	p GI	7	2,085	1,850	235	565	612	42%	63%	111	6.3	2.7	5	15 gladed
Total Lift 4	9		(no partial trails included)					7,257	(no partial trails included)			43.8		1,375
<u>Lift 6 Summit Quad</u>														
Outer Limits	6A	7	2,360	2,260	100	230	251	43%	60%	63	1.5	1.6	5	10 gladed
Roy's Run	6B	6	2,364	2,085	279	1,000	1,038	28%	56%	37	3.7	3.9	15	60
Tight Spots	6C	7	2,360	2,175	185	670	695	28%	57%	64	4.3	4.5	5	20 gladed
Tree Time	6D	7	2,360	2,175	185	525	557	35%	64%	87	4.6	4.9	5	25 gladed
Top of the World	6E	6	2,364	2,165	199	725	752	27%	63%	27	2.0	2.1	15	30
	6F	6	2,260	2,130	130	305	332	43%	54%	36	1.1	1.2	15	20
Upper Extreme Dream	p G4	7	2,360	2,075	285	950	992	30%	64%	66	6.3	2.0	5	10 gladed
Lower Extreme Dream	p G5	7	2,120	1,890	230	925	953	25%	58%	46	4.3	1.4	5	5 gladed
Last Chance	p I	6	2,190	1,940	250	625	673	40%	59%	29	1.8	0.6	15	10
View of 1000 Peaks	p J	6	2,260	1,925	335	1,300	1,342	26%	55%	34	4.4	1.4	15	20
Red's Bowl	p K	7	2,090	1,940	150	345	376	43%	91%	36	1.3	0.4	20	10
Messerli's Mile	p L	6	1,960	1,785	175	415	450	42%	57%	53	2.2	0.5	15	10
Elmo	p M	7	2,315	2,185	130	295	322	44%	81%	35	1.0	0.3	20	5
	p N	6	2,060	1,685	375	970	1,040	39%	65%	39	3.8	0.9	15	15
Total Lift 6	6		(no partial trails included)					3,624	(no partial trails included)			25.7		250
<u>Lift 7 Silver Platter</u>														
Beginner	7A	1	1,223	1,162	61	495	499	12%	13%	42	2.1	2.1	50	105 snowmaking
Trapper's Ridge	p 2O	4	1,360	1,160	200	860	883	23%	37%	29	2.5	0.1	40	5
	p G9	5	1,370	1,295	75	295	304	25%	37%	132	3.9	0.2	8	5 gladed
Total Lift 7	1		(no partial trails included)					499	(no partial trails included)			2.4		115
<u>Lift 8 Red Carpet</u>														
Hwy 1	8A	1	1,209	1,185	24	180	182	13%	13%	38	0.7	0.7	50	35 snowmaking
Total Lift 8	1						182					0.7		35
<u>Lift 9 Discovery Quad</u>														
	9A	2	1,360	1,220	140	720	733	19%	27%	39	2.8	2.8	50	140
	9B	3	1,360	1,183	177	945	961	19%	33%	54	5.2	5.2	40	210
Total Lift 9	2						1,695					8.1		350

**TABLE IV.3 CONT.  
PANORAMA MASTER PLAN  
TRAIL SPECIFICATIONS**

Trail Name	Trail No.	Skill Class	Elevation		Total Vertical m.	Horz. Distance m.	Slope Distance m.	Percent Slope		Avg. Horz. Area		Slope Area ha.	Skiers At Area	
			Top m.	Bottom m.				Avg.	Steep.	m.	ha.		Density	Total
<u>Lift 10 Tavnton Bowl</u>														
	10A	6	2,370	1,740	630	2,185	2,274	29%	49%	32	6.9	7.2	15	110
	10B	7	2,330	1,740	590	1,415	1,533	42%	67%	47	6.6	7.2	5	35 gladed
	10C	7	1,975	1,785	190	345	394	55%	67%	45	1.6	1.8	5	10 gladed
	10D	7	2,250	1,985	265	470	540	56%	75%	129	6.1	7.0	5	35 gladed
	10E	7	2,370	2,100	270	460	533	59%	75%	111	5.1	5.9	5	30 gladed
	10F	7	2,365	1,745	620	1,525	1,646	41%	64%	56	8.6	9.3	5	45 gladed
	10G	7	2,370	2,075	295	890	938	33%	65%	51	4.5	4.8	5	25 gladed
	10H	7	2,233	2,015	218	397	453	55%	91%	40	1.6	1.8	5	10 gladed
	10I	7	2,314	1,737	577	1,605	1,706	36%	71%	40	6.4	6.8	5	35 gladed
	10J	7	2,315	2,020	295	598	667	49%	71%	40	2.4	2.7	5	15 gladed
	10K	7	2,447	2,000	447	1,187	1,268	38%	73%	40	4.7	5.1	5	25 gladed
	10L	7	2,450	1,976	474	1,050	1,152	45%	83%	40	4.2	4.6	10	45 bowl
	10M	7	2,363	1,964	399	856	944	47%	73%	40	3.4	3.8	10	40 bowl
	10N	7	2,330	1,964	366	733	819	50%	75%	40	2.9	3.3	5	15 gladed
	10O	7	2,451	1,800	651	1,656	1,779	39%	81%	40	6.6	7.1	5	35 gladed
	10P	7	2,284	1,760	524	1,079	1,200	49%	75%	40	4.3	4.8	5	25 gladed
	10Q	7	2,284	1,727	557	1,209	1,331	46%	49%	40	4.8	5.3	5	25 gladed
	10R	7	2,284	1,795	489	963	1,080	51%	88%	40	3.9	4.3	5	20 gladed
	10S	7	2,284	1,800	484	1,014	1,124	48%	68%	40	4.1	4.5	5	20 gladed
	10T	7	2,284	1,736	548	2,565	2,623	21%	65%	40	10.3	10.5	5	50 gladed
	10U	7	2,300	1,980	320	664	737	48%	58%	40	2.7	3.0	5	15 gladed
	10V	7	2,225	2,002	223	633	671	35%	58%	40	2.5	2.7	5	15 gladed
	10W	7	2,360	2,004	356	810	885	44%	58%	40	3.2	3.5	5	20 gladed
Total Lift 10	23						26,297					116.8		700
<u>Lift 11 Hopeful Creek</u>														
	11A	6	1,800	1,660	140	425	447	33%	52%	41	1.7	1.8	15	25
	11B	5	1,960	1,645	315	865	921	36%	50%	83	7.2	7.7	30	230
	11C	6	2,050	1,645	405	975	1,056	42%	63%	59	5.8	6.2	15	95
	11D	6	2,160	1,645	515	1,465	1,553	35%	53%	55	8.0	8.5	15	125
	11E	6	1,965	1,755	210	515	556	41%	49%	49	2.5	2.7	15	40
	11F	7	2,160	1,965	195	630	659	31%	70%	58	3.7	3.8	20	75
	11G	6	2,160	1,658	502	1,835	1,902	27%	60%	31	5.8	6.0	15	90
	11H	7	2,095	1,783	312	1,010	1,057	31%	80%	80	8.1	8.5	20	170
Total Lift 11	8						8,152					45.3		850
<u>Lift 13 Sunbowl</u>														
	13A	4	1,850	1,383	467	2,000	2,054	23%	42%	51	10.3	10.6	40	420
	13B	4	1,360	1,270	90	355	366	25%	36%	44	1.6	1.6	40	60
	13C	6	1,383	1,265	118	350	369	34%	64%	54	1.9	2.0	15	30
	13D	6	1,620	1,515	105	265	285	40%	57%	47	1.3	1.3	15	20
	13E	5	1,510	1,420	90	280	294	32%	46%	61	1.7	1.8	30	50
	13F	4	1,540	1,465	75	485	491	15%	18%	32	1.6	1.6	40	60
	13G	5	1,720	1,505	215	670	704	32%	50%	74	4.9	5.2	30	160
	13H	4	1,770	1,690	80	385	393	21%	36%	49	1.9	1.9	40	80
	13I	4	1,850	1,265	585	2,325	2,397	25%	42%	52	12.2	12.6	40	500
	13J	4	1,530	1,285	245	890	923	28%	45%	44	4.0	4.1	40	160
	13K	4	1,680	1,620	60	205	214	29%	34%	69	1.4	1.5	40	60
	13L	4	1,740	1,520	220	875	902	25%	42%	59	5.2	5.3	40	210
	13M	7	1,750	1,635	115	245	271	47%	78%	111	2.7	3.0	20	60
Hopeful/Schober's	13P	6	1,670	1,645	25	1,075	1,075	2%	8%	8	0.9	0.9	15	10
Black Door	G2	4	1,850	1,745	105	485	496	22%	30%	54	2.6	2.7	10	25 gladed
Alive	G3	5	1,835	1,710	125	600	613	21%	33%	266	16.0	16.3	8	120 gladed
Total Lift 13	16						11,848					72.3		2,025
<u>Other Trails</u>														
Upper 41		4	1,612	1,580	32	90	96	36%	36%	29	0.3	0.3	40	10
Schober's Egress	H	5	1,335	1,275	60	2,050	2,051	3%	18%	8	1.6	1.6	30	50
Total Other Trails	2						2,146					1.9		60
Total All Trails	116							101.5 km				504.3 Ha		9,830

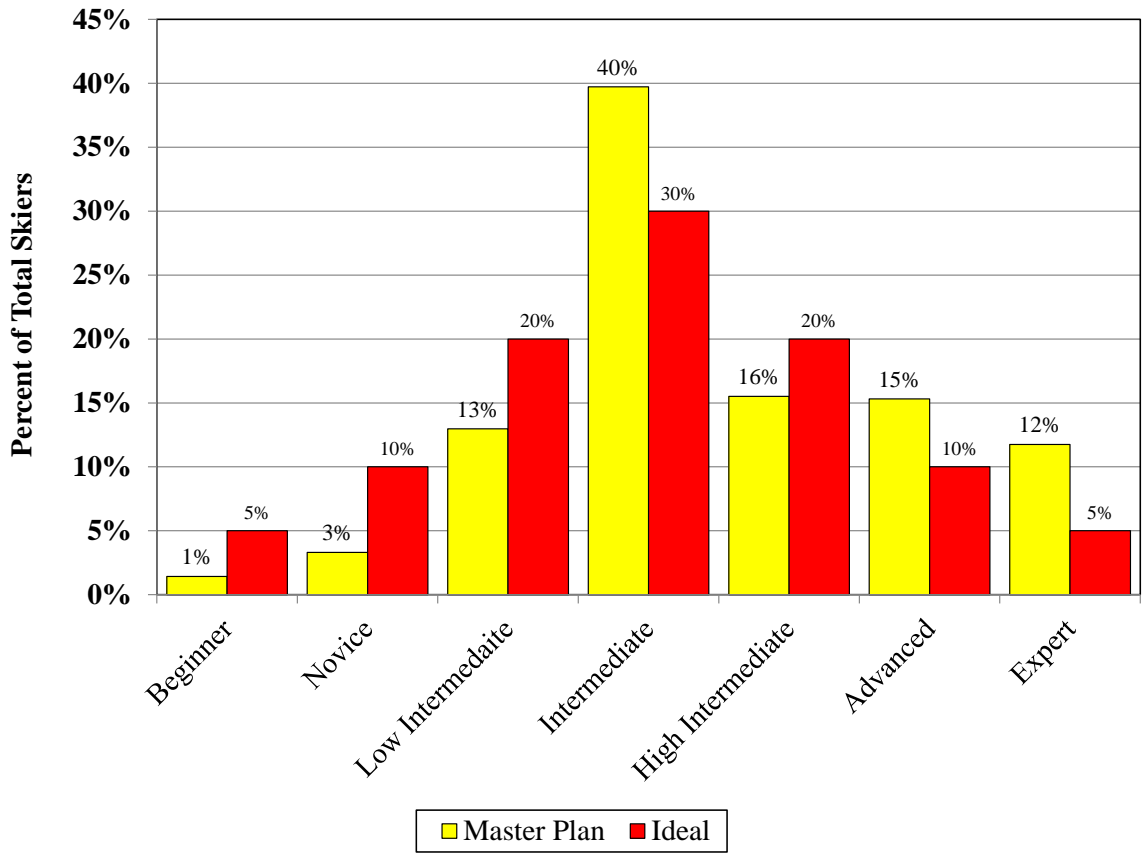
**TABLE IV.4  
PANORAMA MASTER PLAN  
CUMULATIVE TRAIL BALANCE STATEMENT**

Lift SCC =	8,970
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Skill Classification	Hectares	Skiers	Balance	Ideal
1 Beginner	2.8	140	1.4%	5%
2 Novice	6.5	325	3.3%	10%
3 Low Intermediate	31.9	1,275	13.0%	20%
4 Intermediate	100.3	3,905	39.7%	30%
5 High Intermediate	74.8	1,525	15.5%	20%
6 Advanced	121.2	1,505	15.3%	10%
7 Expert	166.9	1,155	11.7%	5%
<b>TOTALS</b>	<b>504.3</b>	<b>9,830</b>	<b>100%</b>	<b>100%</b>

Average Density =	17.8	Skiers/Hectare
Optimum Density =	32.7	Skiers/Hectare
Weighted Demand =	4,641	VTM/Skier/Day

**PANORAMA MASTER PLAN  
SKI TRAIL BALANCE**



**PLATE IV.1**

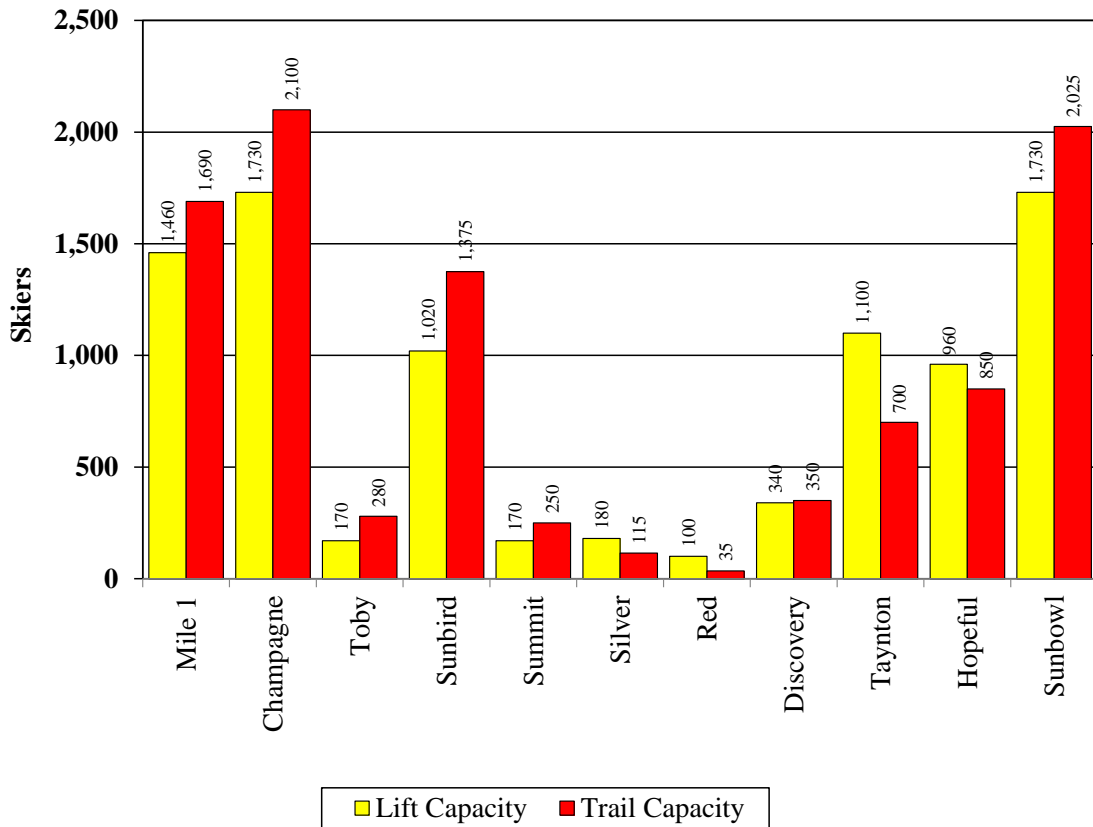
The balance between lift and trail capacity is listed in Table IV.5 and graphically shown in Plate IV.2. The most significant imbalances occur on the Silver Platter and the Red Carpet beginner lifts, which only have 64 and 35 percent of the optimal amount of terrain. Taynton Bowl also appears to have more lift capacity than trail capacity but this is a little deceiving because the area has lots of advanced and expert gladed areas that can be skied. All of the other lift systems have adequate or more than adequate terrain to match the lift capacities.

**TABLE IV.5  
PANORAMA MASTER PLAN  
LIFT VERSUS TRAIL BALANCE STATEMENT**

<b>Lift No.</b>	<b>1</b>	<b>2R</b>	<b>3</b>	<b>4</b>	<b>6R</b>	<b>7</b>	<b>8a</b>
<b>Lift Name</b>	<b>Mile One</b>	<b>Champagne Express</b>	<b>Toby Double</b>	<b>Sunbird Triple</b>	<b>Summit Quad</b>	<b>Silver Platter</b>	<b>Red Carpet</b>
<b>Lift Type</b>	<b>D4C</b>	<b>D4C</b>	<b>2C</b>	<b>3C</b>	<b>4C</b>	<b>P</b>	<b>MC</b>
Lift Capacity	1,460	1,730	170	1,020	170	180	100
Trail Capacity	1,690	2,100	280	1,375	250	115	35
Trails:Lifts	116%	121%	165%	135%	147%	64%	35%
Average Density	21.3	15.4	27.5	23.3	6.6	73.6	144.9
Optimum Density	37.4	29.3	45.7	36.2	16.7	48.7	50.0
Demand VTM	3,567	5,003	2,827	4,095	6,799	1,243	940
<b>Balance</b>							
Beginner	0%	0%	0%	0%	0%	91%	100%
Novice	1%	0%	57%	0%	0%	0%	0%
Low Intermediate	56%	0%	0%	8%	0%	0%	0%
Intermediate	28%	36%	43%	71%	0%	4%	0%
High Intermediate	5%	33%	0%	9%	0%	4%	0%
Advanced	7%	25%	0%	11%	66%	0%	0%
Expert	3%	5%	0%	1%	34%	0%	0%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

<b>Lift No.</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>Lift Name</b>	<b>Discovery Quad</b>	<b>Taynton Bowl</b>	<b>Hopeful Creek</b>	<b>Sunbowl</b>
<b>Lift Type</b>	<b>4C</b>	<b>D4C</b>	<b>D4C</b>	<b>D4C</b>
Lift Capacity	340	1,100	960	1,730 Skiers/Day
Trail Capacity	350	700	850	2,025 Skiers/Day
Trails:Lifts	103%	64%	89%	117%
Average Density	42.1	9.4	21.2	23.9 Skiers/Hectare
Optimum Density	44.0	19.2	20.5	37.0 Skiers/Hectare
Demand VTM	2,543	8,076	6,437	4,188 VTM/Skier/Day
<b>Balance</b>				
Beginner	0%	0%	0%	0%
Novice	40%	0%	0%	0%
Low Intermediate	60%	0%	0%	0%
Intermediate	0%	0%	0%	78%
High Intermediate	0%	0%	27%	16%
Advanced	0%	16%	44%	3%
Expert	0%	84%	29%	3%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

**PANORAMA MASTER PLAN  
LIFT VERSUS TRAIL CAPACITY**



**PLATE IV.2**

### **.3 Snowmaking**

Since Panorama’s inception, the need for snowmaking has been foreseen as important to supplement the natural snowpack in order to extend the season. Expansion of the snowmaking system is first slated for within the existing area. This snowmaking expansion would be installed in many steps over the duration of the Village development. In anticipation of higher traffic volumes on the proposed new lifts, snowmaking would be installed on the new Horizon trails, World Cup Way and Schober’s Dream. The lower mountain would see the installation of snowmaking on the Trapper’s Ridge beginner area. Additional snowmaking would be phased with the construction of new trails. This new snowmaking will initially include the increase in pumping capacity of the River pumphouse to 2,700 GPM and the Booster pumphouse to 1,800 GPM. As the snowmaking areas are added to the system additional pumping capacity will be required. Currently, snowmaking is provided on approximately 20 percent of the main runs.

#### **.4 Skier Accommodation, Parking and Staging**

Panorama Mountain Village relies on a combination of day skiers and overnight guests for their business. The proportion of these types of guests varies over the season during different times of year, and varies over the long term with the availability of on-mountain accommodation, local and regional population growth, competing ski areas, etc.

Previously, Intrawest and now Panorama Mountain Village Inc., have worked with consultants to develop a plan for the development of accommodation within the Village core and the surrounding lands, as well as a plan for parking and ski access for day skiers.

The accommodation plan includes a total of 7,084 beds spread throughout the resort, ranging from Village condohotel units, units with golf course frontage and forested single family units with ski-in/ski-out access. All of these beds are located within walking distance of a staging lift and therefore, it is anticipated that these skiers will not use their cars to access the lifts. As listed in Table IV.6, on a peak day, these beds will generate a total of approximately 3,733 skiers.

**TABLE IV.6  
PROPOSED OVERNIGHT ACCOMMODATION**

	<b>Beds</b>	<b>% Occupancy</b>	<b>Total Guests</b>	<b>% Skiers</b>	<b>Total Skiers</b>
Private Beds	4,710	50%	2,355	95%	2,237
Public Beds	2,374	70%	1,662	90%	1,496
<b>Total Beds</b>	<b>7,084</b>		<b>4,017</b>		<b>3,733</b>

Day skier parking has been planned in three locations; one adjacent to the Administration building (“Administration Parking Lot”); one on the west side of the river (“Lower Toby Creek Parking Lot”) located by the Adventure Centre connected to the east side parking lot by a foot bridge and one across Toby Creek Road (“Upper Toby Creek Parking Lot”) connected to the Lower Parking Lot with stairs. As listed in Table IV.7, these lots will have a capacity of approximately 965 cars, generating a total of approximately 2,413 day skiers.

Approximately 613 of these day skiers will be within a comfortable Skier Walking Distance (SWD) from the lifts, while skiers from the Toby Creek lots will require a shuttle from the parking to the lifts due to the distance and elevation difference. The Master Plan included an aerial cable (pulse gondola cabriolet) which is currently operational to provide a shuttle service from the parking to the Village base for day skiers.

This lift is proposed with an initial capacity of 514 passengers per hour and an ultimate capacity of 710 pph. Over a 2.5 hour staging period, this lift would initially be able to move approximately 1,285 skiers from the lower lots to the village and 1,775 skiers at its ultimate capacity. Currently, the number of day skiers is significantly lower than the initial and ultimate capacity of this lift.

**TABLE IV.7  
PROPOSED DAY SKIER PARKING**

	Cars	Skiers
Upper Toby Creek Lot	260	650
Lower Toby Creek Lot	455	1,138
Ski Tip Village Lot	100	250
Greywolf Lot	150	375
<b>Total</b>	<b>965</b>	<b>2,413</b>

*Skiers per car: 2.5*

Another concern at Panorama is the staging of skiers onto the mountain once they have arrived in the Village. The SCC of the lifts beyond the Village is about 5,720 and all these skiers should be staged within the industry accepted staging period of 2.5 hours. During the morning staging period, it is anticipated that approximately 60 percent of the seats on the First Ascent lift would be available for staging, and 40 percent for return cycle skiing. This would result in a staging capacity of 3,990 skiers. The remaining 1,730 skiers would be required to stage via the Toby and Sunbird chairs, which at 1,217 pph on Toby, would take approximately 1.6 hours. Table IV.8 lists these staging conditions.

**TABLE IV.8  
LIFT STAGING CAPACITIES**

	Rated Capacity	Effective Capacity	Sliders Staged	Staging Time
<b>TOTAL</b>			<b>5,720</b>	
First Ascent Quad	2,800	1,596	3,990	2.5
Toby Chair	1,217	1,095	1,730	1.6

Note: 60% of First Ascent's seats are used for return cycle skiing during morning staging



## **.5 Winter Activities**

Although alpine skiing/snowboarding is the chief form of recreation at Panorama Resort, many other activities are offered in order to provide a full winter recreation experience. Some activities are already available, while others can be added with little or no extra facilities required over and above the existing facilities. Some activities may require construction of special facilities. Additional winter activities are listed and described below.

- Snowshoeing
- Rockstar Terrain Park
- Fat Tire Biking
- Glass Bead Making
- Horse Drawn Wagon Rides
- Snowmobiling

### Night Skiing

Night skiing is available on the Mile One Express chairlift. This site is also the location of the Hoggs Flats Terrain Park, which is used both during the day and at night.

### Cross-Country Skiing

The existing ski area includes a Nordic Center with a 22 kilometer cross-country trail system featuring fully groomed freestyle and classic track set loops. The resort currently provides cross-country instruction and equipment rentals. The existing cross-country trail network is located in an area which management intends to develop into an extensive multi-purpose trail network for cross-country skiing, mountain biking and walking. Ultimately, this trail network will provide 30 km. of looped trails for cross-country skiing. It is anticipated that approximately 5 km. of trails will be provided in and around the golf course. Management is working with the Ministry of Forests to obtain approval to develop trail systems for winter and summer use that extend beyond the resort area boundaries. One of the areas proposed is along the Toby Creek Valley, west of the golf course.

### Heli-Skiing

Panorama Mountain Village is located on the edge of the Bugaboos, part of the largest and most well known heli-skiing areas in the world. R.K. Heli-Skiing operates from a heli-plex facility in Panorama Village and has access to over 1,700 square kilometers of spectacular heli-skiing terrain, including expansive glaciers and sheltered glade skiing.

## Telemark and Backcountry Skiing

Telemark skiing can take place on the alpine ski facilities, utilizing the alpine lift and trail systems. Backcountry skiing is also available in the area.

## Flightseeing

Flightseeing trips could take place out of the existing heli-plex facility in Panorama Village. Scenic helicopter flights allow resort visitors to get aerial views of the ski area development and the surrounding forest land. Fixed wing flights could be offered from the nearby airstrip at Invermere.

## Paragliding

The sport of paragliding is increasing in popularity and currently available at many resorts both during winter (wearing skis) and summer. Panorama presently offers this sport to licensed paragliders and has identified suitable take-off and landing sites. This sport is offered in tandem (strapped to a qualified instructor/guide) or in lessons leading to a paragliding license. This activity can also take place during summer operation.

## Ice Skating

Panorama is exploring the option of an illuminated skating rink in the Tennis Courts. The rink could be used by hotel and condominium guests in the evening, as well as day guests and members of skiing groups that do not wish to ski on a particular day.

## Cat Skiing

There are opportunities for cat skiing in the area, which would provide another alternate activity, at or near the resort.

## Sleigh Rides

Panorama provides horse drawn sleigh rides in the winter. These rides travel through the resort and on special evenings, culminate with a bonfire and hot refreshments.

## Snowshoeing

Snowshoeing can take place in the woods surrounding the ski resort. Rental of snowshoe equipment is presently available at Panorama. The development of the resort will not affect the snowshoeing potential of the surrounding trails and woods.

## Evening Programs

Panorama offers a range of evening programs and activities coordinated through the Activities Department. Offerings vary from year to year based on popularity and guest reception but standing items include family movie nights, trivia nights, and campfires.

## Outdoor Pool and Spas

The Toby Creek outdoor pool is located adjacent to the tennis courts on the other side of Toby Creek and is not operated during the winter. The Panorama Springs offers a heated outdoor pool with hot tubs that is operated year-round and a cold pool with two slides that is operated in summer only. This facility is connected to the Panorama Springs Lodge and is accessible to all guests. There are numerous hot tubs around the resort depending on the condominium building which are for guests of that building.

## Hot Springs

Panorama Resort is located just 35 minutes by car (32 km.) from the historic Radium Hot Springs. Since the hot springs facility is open until 10 p.m., après-ski trips and day visits are possible. The Fairmont Hot Springs Resort is 45 minutes (50 km.) from Panorama. Visits to the hot springs are a popular year-round activity.

## Snowmobile Tours

Full day guided snowmobile tours are currently offered through an operator based at Panorama. These tours offer a popular day trip and partial day trip alternative to skiing.

## **.6 Summer Activities**

Summer activities are extremely important to the success of the recreational facility. These activities make use of the infrastructure and accommodation facilities in place for the winter recreation. The area surrounding Lake Windermere is a very popular summer destination area for Calgary residents who enjoy boating and swimming. The nearby attractions of Kootenay National Park and Radium and Fairmont Hot Springs bring many tourists into the area. Campgrounds along the Columbia River and Windermere and Columbia Lakes are used extensively by summer tourists. Historically, Panorama Resort has offered a relatively diversified summer activity program which includes mountain biking, tennis, whitewater rafting, horseback riding and children's day camp. As development continues, the resort will need to increase the variety of summer activities in order to appeal to a wider market of summer visitors.

During the summer of 1989, Marktrend Research Inc. was commissioned by the Whistler Resort Association to complete a profile of summer visitors to Whistler. The study, which included interviews of approximately 1,000 guests, showed that the most popular activities among summer visitors to Whistler were going to restaurants (66%), shopping (65%), sightseeing (63%) and watching street entertainment (57%). Other outdoor activities such as mountain biking, golfing tennis, canoeing/kayaking, and horseback riding had participation rates of 15 percent or less. Peak season visitors tended to participate in more activities than shoulder season visitors. While the survey of Whistler summer visitors to some extent reflects the activities, facilities and programs available at Whistler during the time of the study, Ecosign has drawn the following conclusions that are relevant to the planning for Panorama Resort.

1. Dining, shopping and sightseeing around a village are a predominant activity of summer visitors at mountain resorts.
2. About one half of summer visitors are likely to be attracted by street entertainment.
3. Multi-purpose trails are important for nature walks, hiking, biking and connecting accommodations with the village and natural areas.
4. Approximately 10 percent of summer visitors will use tennis courts.
5. Conference facilities are required to attract visitors during the spring and fall seasons.

The following section describes the existing and potential summer activities for Panorama Resort. Currently, Panorama offers the following summer activities.

- Adventure Centre, Fun Zone, Sightseeing, Autumn Alpine Walks
- Mountain Hut Dining, Shopping
- Archery, Tennis, Mini Golf
- Euro Bungy
- Trail Rides from Village
- Yoga, Massage
- Canoe/Kayak
- Whitewater Rafting
- Panorama Springs Pool/Waterpark
- Competitions: Triathlons, Ultra Marathon, Downhill Mountain Biking
- Horizons Off Road Motorcycle Challenge

## Golf

Panorama built the Greywolf 18-hole Championship golf course, which opened in the spring of 1999, and sold the course in 2013. There are also over a dozen other golf courses located in the surrounding area. As well as complementing the other summer activities, golf can be played into the shoulder seasons.

## Cross-Country and Mountain Biking

Panorama currently offers a variety of mountain biking activities including lift assisted downhill mountain biking on the Mile One chairlift. As part of the development of the golf course, the resort developed a cross-country biking and a pedestrian trail network around the area. There are a number of old mining and forestry roads which are used by more adventurous mountain bikers. Day excursions to Jumbo Creek, Glacier Dome, Paradise Mine and Delphine are a few of the many possibilities.

## Guided Interpretive Walks and Hikes

Short duration hiking trails in the alpine and around the base area can be marked and signed to assist guests in finding their way around the mountain. Signage can identify flora and fauna that is seen on the trails, as well as provide identification of unique geological features. Guided hikes could be offered for those guests wishing for a more interactive experience.

## Horseback Riding and Wagon Rides

Horseback riding is currently offered by an outfitter operating from the stables located near the Tennis Center, across Toby Creek Road. An extensive network of abandoned mining and logging roads in the area provides unlimited opportunities for trail rides of varying duration. Short overnight trail rides to mountain wilderness areas have also been growing in popularity throughout B.C. and the eastern Rockies and are another activity that could be considered at Panorama.

## Camping/RV

As previously stated, the surrounding area is quite popular for campers. By providing a site for recreational vehicles at the resort, Panorama can attract this group of tourists to the summer activity programs offered by the resort.

## Heli-Hiking

Canadian Mountain Helicopters has been successfully operating heli-hiking excursions from its heli-skiing bases in B.C. for over seven years. The clientele varies from people just wanting a lift up to a mountain peak for lunch, to active day hikers wanting a head start to the scenic or inaccessible terrain. With the heli-plex facility located right in Panorama Village and the beauty of the surrounding Bugaboo and Purcell Mountain ranges, heli-hiking is a summer activity that could be developed without the need for additional facilities.

## Fishing

There are several good opportunities for fishing in the area, with excellent fly fishing streams. Fishing guides are currently available in Invermere, although as yet there is no one offering rentals of fishing equipment. Fishing is one activity that could easily be developed at Panorama.

## Dining/Shopping/Entertainment

The Pedestrian Village has been designed with retail and restaurant space on the ground floors of the buildings surrounding the central plaza. The central pedestrian square is a natural location for street entertainment, which is very popular for summer visitors.

## Conference Facilities/Weddings/Retreats

Panorama currently offers conference facilities for groups of up to 700.