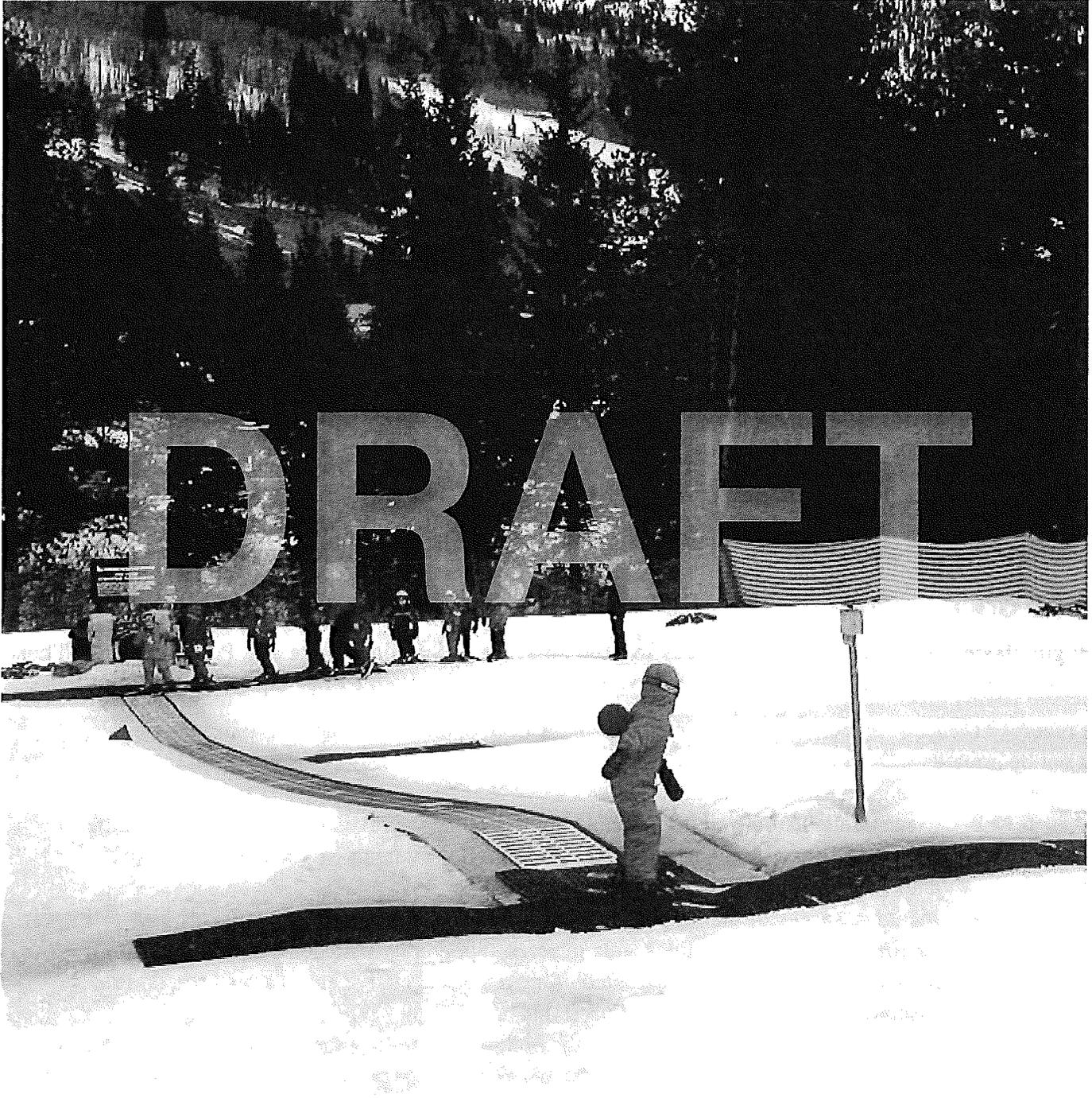


BOGUS BASIN  
MOUNTAIN RESORT  
CUP #2017-001

APPLICATION  
PART 3





## A. WINTER ACTIVITIES

The Winter Activities Upgrade Plan focuses on the intentions of Bogus Basin to enhance the total guest experience through a series of strategic improvements and expansions across the existing SUP area and within the private land holding.

Since the developed terrain network currently has sufficient, if not surplus, terrain in most ability level categories, there is very little actual trail clearing planned. Approximately 78.6 acres of new trails are planned, in addition to selected grading on existing trails and other trail improvements. Glading and brush clearing is planned in locations throughout the resort.

The Upgrade Plan includes a few strategic lift network improvements, targeted at the beginner and novice skier groups. Both the Coach and Morning Star lifts will be upgraded to increase the hourly capacities and improve the skier experience. Beginner surface conveyors will be reconfigured, with another conveyor added to improve teaching terrain.

The existing snowmaking system is planned to be expanded significantly. Coverage will be extended onto the Coach, Deer Point, and Morning Star lifts. Water and power lines are planned to be installed, along with a storage pond and pump house.

Grading is planned for numerous locations on existing ski trails, to improve skiability and circulation. Erosion control projects will be implemented at numerous locations throughout the resort, to address longstanding erosion issues and locations.

Skier services are planned to be improved and renovated. The Simplot Lodge base lodge will be remodeled, expanded, and brought into full compliance with ADA regulations. Updates and improvements will be made to the Pioneer facility as well.

Since none of these projects represent expansions or additional lifts, the overall CCC of the resort will not increase by a large margin. The net result of these projects would increase the existing CCC by about 280 people to 4,990.

The Winter Activities Upgrade Plan of winter activities is illustrated in Figure 4.

## LIFT NETWORK

Three lift projects are planned for this upgrade plan at Bogus Basin:

1. Upgrade Morning Star lift. The existing Morning Star lift is an original 1965 Riblet double lift that was updated by Lift Engineering in 1999, and then recently converted to a triple. As a result of the restrictions due to those upgrades, the lift is limited to an hourly capacity of 900, which is half of what a fixed-grip triple should be able to do. There frequently are long lines at the lift, as it is used both for repeat skiing on the novice and low intermediate trails that it serves, as well as providing the primary access to Bitterroot, Superior, and Pine Creek lifts. These long lines are a constraint to the novice level ski experience, as well as for the skiers waiting to access the backside lifts. As a result, the lift is planned for replacement with a new lift, operating at full capacity. Additionally, the lift is planned for a slight realignment, allowing for a better bottom terminal location that is easier to access from the Simplot Lodge and functions better for skier circulation.
2. Coach Lift. The Coach chairlift was originally a Poma double in the Deer Point location in 1961. It was upgraded by Lift Engineering in 1981. It was moved to the Coach location in 1996, when Deer Point was upgraded to a detachable lift. It operates at 500 people per hour, which is less than half of what a fixed grip double should be able to provide. As a result, there can be 15-20 minute long lift lines at the Coach lift, which significantly limits the number of people who can use the teaching terrain. The lift is planned for a replacement or upgrade to allow it to run at full capacity. Additionally, the lift will be shortened to the toe of the slope, about 150 ft. This will free up space in the mazing/milling area as well as provide additional space for the planned additional conveyor.
3. Conveyor reconfiguration. The two surface conveyors that are currently used for teaching terrain are located on the bottom portion of the Coach's Corner run, which is the same beginner run that is accessed by the Coach lift. This creates high skier densities on that portion of the run, and creates cross-traffic issues with the skiers coming down from the upper portion of the run overlapping with the skiers coming of the conveyors. Additionally, there is not currently a conveyor that accesses first-time skier lesson grades (ideally around 6%); first-time lessons are taught with the skiers walking up a slope in the open area at the base. A conveyor is planned to be added in this area (after regrading to maximize the potential) to serve the first-time lesson need. One or both of the two conveyors on the Coach's Corner will then be moved to some underutilized terrain near the bottom of the current Coach Lift location, and adjacent to the lower portion of Stewart's Bowl. This will relieve the skier density pressure on the lower portion of Coach's Corner run as well as provide for additional teaching terrain. Another reason that it is important to move the conveyors out of the way of Coach's Corner is that once the hourly capacity on the Coach lift is increased, there will be more skiers coming down that run, which will increase the skier density.



Table IV-1. Ski Lift Specifications – Planned Upgrades

Lift Name and Type	Top Elevation (ft.)	Bottom Elevation (ft.)	Vertical Rise (ft.)	Slope Length (ft.)	Avg. Grade (%)	Hourly Capacity (persons/hr.)	Rope Speed (fpm)	Carrier Spacing (ft.)	Lift Maker/ Year Installed
Pine Creek Express/DC4	7,552	5,791	1,761	5,289	36	2,400	1,000	100	1999
Superior Express/DC4	7,458	6,024	1,433	4,245	36	1,800	1,000	133	2011
Morning Star Chair/C3	6,814	6,200	614	3,034	21%	1,800	400	40	Upgrade
Bitterroot Chair/C2	6,750	6,225	525	2,314	23	1,000	450	54	1975
Showcase Chair/C2	7,002	6,345	657	3,463	19	1,100	500	55	1975
Deer Point Express/DC4	7,050	6,192	858	3,779	23	2,200	1,000	109	1996
Coach/C3	6,326	6,175	151	815	19%	1,200	300	30	Upgrade
Easy Rider/Carpet	6,215	6,191	25	187	13	600	120	12	2002
Fundsy Carpet	6,218	6,190	28	398	7	600	120	12	2004
Additional Conveyor	6,182	6,175	7	120	6%	600	120	12	Planned

Source: SE Group

## TERRAIN NETWORK

### Terrain Improvements

The existing developed trail network at Bogus Basin accounts for a total of 370 acres of developed ski runs. In addition to the developed trail network, another 2,230 acres of natural openings and tree skiing areas, between and around the developed runs, are open when snow conditions are favorable and skied from the existing lift network. In total there are 2,600 acres available for skiing at the resort. With almost twice the ski terrain capacity as lift capacity, there is little need for additional ski terrain. There are a few exceptions to this, and a few ski terrain projects are planned to address deficiencies and take advantage of opportunities.

1. Beginner/Teaching terrain will be reconfigured. No actual new terrain will be developed, but existing terrain will be better utilized (through the conveyor projects detailed above) to increase the amount of teaching terrain.
2. Improvements to Morning Star novice terrain. The novice level terrain available off of the Morning Star lift is a challenge to use, for two primary reasons: 1) the grade on Silver Queen right when it first turns into the fall-line is too steep for novice skiers, and 2) there is a section on Lower Pioneer where it gets a bit too steep for the width of the skiway. Both of these are planned to be addressed. A new skiway will be built from the bottom of Upper Pioneer (off of Morning Star run) over to the intersection of Lulu and Silver Queen (Run 5, which will provide

an effective bypass to the upper section of Silver Queen). Lower Pioneer will be regraded and widened. These projects will significantly improve the novice level skiing off Morning Star and will effectively allow it to be used by the ski school for novice level teaching.

3. Addition of a kids' trail off Morning Star. There is an excellent opportunity to develop a fun (winding, rolling, narrow) kids' trail off Morning Star. This is shown as Run 5.
4. Regrading of novice terrain on the east side of Coach. Another opportunity is to regrade the terrain to the east of the unload on Coach chairlift. This area is currently underutilized and could be graded into another novice route, increasing the amount of teaching terrain and reducing densities on Coach's Corner.
5. A connector trail from Cabin Traverse down to Shindig. This will allow skiers on Cabin Traverse to not have to merge onto the steep and narrow portion of the Alpine run. This intersection is a problem area, as the traverse merges on to Alpine at an almost right angle, in a location that has difficult topography, bad sight lines, and is a bottleneck portion of the run. Developing this bypass would avoid that conflict area and improve the ski experience on Cabin Traverse as well (as it would avoid a flat section of the traverse).
6. Regrade Lodge Cat Track. This is a regrading project that would significantly improve the ski experience on Lodge Cat Track. This route is the primary return route to the base area from the popular Superior area, and the only return route during night operations. The existing skiway has steep sections and flat sections, both of which make it difficult to use. Regrading the skiway would create consistent grades and a much improved experience.
7. Interconnected ski routes off Superior and Pine Creek. Interconnected ski routes (sometimes also referred to as Groomable Glades) are a popular form of ski terrain that is more challenging than traditional fully cleared runs but not as difficult as glade skiing. Large tree islands are left in the run, with narrower cleared routes through them – this allows for many different possible routes down the run. a total of three of these areas are planned (one off Superior and two off Pine Creek), located in large tree stands between existing runs. The addition of these ski routes would increase the terrain variety and provide additional ski terrain without significant clearing or run development.
8. A connector ski route from Bitterroot to Superior. It is possible to create a connection from the Bitterroot terrain down to the bottom of Superior Chair. While this route is not continuously skiable without poling or skating (it is 3,900 feet in length, with a 6% average grade and sections of flats), it would be an improvement over the current use of the Nordic ski trail (the summer road). Adding this route could allow the Bitterroot terrain to be opened to the public during days when the lift is not operating.

Table IV-2 outlines the upgraded terrain that constitutes Bogus Basin's formal ski trail network.



Table IV-2. Terrain Specifications – Planned Upgrades

Trail Name	Top Elevation (ft.)	Bottom Elevation (ft.)	Vertical Drop (ft.)	Slope Length (ft.)	Avg. Width (ft.)	Area (acres)	Avg. Grade (%)	Max. Grade (%)	Skier/Rider Ability Level
Easy Way Down	6,235	5,801	434	3,500	27	2.2	13%	41%	Intermediate
Upper Nugget	7,130	6,238	892	5,569	104	13.3	16%	37%	Intermediate
Second Chance	6,219	5,801	417	1,067	116	2.8	43%	50%	Advanced
Lower Nugget	6,316	5,799	517	1,663	110	4.2	33%	53%	Advanced
Mary's Ridge	6,636	5,870	766	2,429	87	4.9	33%	50%	Advanced
Wildcat	7,251	5,789	1,462	4,757	112	12.3	33%	53%	Advanced
Lightning	6,937	6,041	896	2,650	66	4.0	36%	59%	Expert
Lucky Friday	7,550	5,922	1,628	4,438	146	14.9	40%	59%	Expert
Paradise	6,903	5,775	1,128	5,759	135	17.8	20%	39%	Intermediate
Goodenough	6,383	6,013	370	2,312	108	5.7	16%	39%	Intermediate
Mid-Paradise Cut-off	7,027	6,913	115	1,500	41	1.4	8%	16%	Intermediate
Majestic	7,452	7,043	409	1,907	143	6.3	22%	41%	Intermediate
Bonanza	7,444	6,314	1,129	3,898	154	13.8	31%	54%	Advanced
Paradise Cat Track	6,823	6,446	377	4,712	28	3.0	8%	27%	Low Intermediate
Lodge Cat Track	7,073	6,852	220	4,051	56	5.2	5%	19%	Intermediate
Upper Night Hawk	7,284	7,108	176	491	136	1.5	38%	46%	Advanced
Lower Night Hawk	7,100	6,372	728	1,875	135	5.8	42%	50%	Advanced
Comeback	6,706	6,025	681	3,317	77	5.9	21%	45%	Advanced
Upper Triumph	7,409	7,110	298	761	179	3.1	43%	50%	Advanced
Lower Triumph	7,104	6,307	796	2,150	207	10.2	40%	55%	Advanced
Upper Matchless	7,369	7,081	288	645	135	2.0	50%	58%	Expert
Lower Matchless	7,052	6,636	417	965	160	3.6	48%	52%	Advanced
Sunbeam	7,009	6,162	846	2,309	118	6.3	39%	49%	Advanced
Superior	6,717	6,027	690	1,716	184	7.2	44%	51%	Advanced
Upper Tempest	7,294	6,988	306	756	141	2.5	44%	54%	Advanced
Lower Tempest	6,973	6,742	231	690	101	1.6	36%	52%	Advanced
Upper War Eagle	7,127	6,962	165	424	113	1.1	42%	45%	Advanced
Lower War Eagle	6,948	6,032	915	2,633	123	7.4	37%	49%	Advanced
War Eagle Cat Track	6,824	6,630	193	2,443	20	1.1	8%	21%	Intermediate

Table IV-2. Terrain Specifications -- Planned Upgrades

Trail Name	Top Elevation (ft.)	Bottom Elevation (ft.)	Vertical Drop (ft.)	Slope Length (ft.)	Avg. Width (ft.)	Area (acres)	Avg. Grade (%)	Max. Grade (%)	Skier/Rider Ability Level
Smuggler	6,750	6,034	716	4,842	76	8.4	15%	29%	Low Intermediate
Snoozer	6,441	6,226	215	1,689	61	2.4	13%	34%	Low Intermediate
Sleepy Hollow	6,722	6,466	256	1,500	178	6.1	17%	34%	Low Intermediate
Lazy Mary	6,700	6,273	427	1,790	120	4.9	25%	38%	Intermediate
Bear Paw	6,449	6,317	132	371	102	0.9	38%	42%	Intermediate
Nitro	6,672	6,484	187	548	108	1.4	37%	50%	Advanced
Bitterroot Basin	6,632	6,245	387	1,494	315	10.8	27%	48%	Advanced
Buttercup	6,750	6,248	503	4,925	27	3.1	10%	25%	Novice
Nugget Cat Track	6,886	6,440	447	5,424	22	2.7	8%	29%	Low Intermediate
Cabin Traverse	7,564	6,773	791	7,867	31	5.5	10%	27%	Low Intermediate
Shindig	7,086	6,556	530	2,073	113	5.4	27%	45%	Intermediate
Tiger	7,175	6,350	826	2,832	99	6.5	31%	66%	Expert
Liberty	7,252	6,573	679	1,727	394	15.6	43%	59%	Expert
Last Chance	7,454	6,491	962	2,711	80	5.0	38%	56%	Expert
Sunshine	6,553	6,325	228	987	175	4.0	24%	32%	Low Intermediate
Inspiration	7,475	6,760	715	2,102	89	4.3	37%	62%	Expert
High Traverse	7,449	7,321	128	1,383	17	0.5	9%	29%	Low Intermediate
Sunshine Cat Track	6,806	6,562	243	2,540	24	1.4	10%	20%	Low Intermediate
Injun Joe	7,356	6,836	520	1,725	77	3.0	32%	55%	Advanced
Connector	6,623	6,562	61	719	22	0.4	9%	11%	Novice
Pioneer	6,672	6,371	302	2,625	30	3.5	12%	24%	Novice
Morning Star	6,796	6,225	571	2,423	161	8.9	24%	33%	Low Intermediate
Lulu	6,743	6,225	518	2,359	119	6.5	23%	31%	Low Intermediate
Silver Queen	6,726	6,458	268	1,394	112	3.6	20%	32%	Novice
Alpine	7,000	6,619	381	1,585	146	5.3	25%	35%	Low Intermediate
Showcase	7,001	6,341	660	3,627	192	16.0	19%	39%	Intermediate
Cascade	6,753	6,555	197	544	139	1.7	39%	48%	Advanced
Mamba Meadows	6,661	6,399	263	970	137	3.1	28%	35%	Intermediate
Shaker Ridge	7,050	6,220	830	4,408	186	18.8	19%	44%	Intermediate



Table IV-2. Terrain Specifications – Planned Upgrades

Trail Name	Top Elevation (ft.)	Bottom Elevation (ft.)	Vertical Drop (ft.)	Slope Length (ft.)	Avg. Width (ft.)	Area (acres)	Avg. Grade (%)	Max. Grade (%)	Skier/Rider Ability Level
Sunset	6,511	6,364	147	554	79	1.0	28%	35%	Intermediate
Bogus Creek Trail	6,325	6,205	120	1,846	115	4.9	7%	17%	Novice
Northslope	6,526	6,347	180	663	137	2.1	28%	36%	Intermediate
Upper Ridge	7,050	6,649	401	2,239	203	10.4	18%	30%	Low Intermediate
Lando's Mojo	6,887	6,222	665	2,491	102	5.8	28%	56%	Expert
Widowmaker	6,777	6,331	446	1,502	93	3.2	31%	41%	Intermediate
Lower Ridge	6,650	6,197	453	1,680	97	3.7	28%	41%	Intermediate
Bowl	6,640	6,183	458	1,696	268	10.4	28%	41%	Intermediate
Stewart's Bowl	6,660	6,175	485	1,964	194	8.7	26%	38%	Intermediate
Coach's Corner	6,301	6,164	137	1,145	164	4.3	12%	14%	Novice
Fundsy Terrain	6,235	6,195	40	398	55	0.8	10%	12%	Beginner
Easy Rider Terrain	6,202	6,190	12	120	91	0.5	10%	10%	Beginner
New Conveyor Terrain	6,184	6,175	9	150	116	0.4	6%	6%	Beginner
Pine Creek Interconnected	6,808	5,865	943	2,857	193	12.6	35%	47%	Advanced
Pine Creek Interconnected	7,100	5,950	1,150	3,567	566	46.3	34%	63%	Expert
Cabin Traverse Connector	6,825	6,568	257	680	88	1.4	41%	45%	Intermediate
Superior Interconnected	7,363	6,097	1,266	3,815	148	13.0	35%	55%	Expert
New Morning Star	6,578	6,505	74	789	44	0.8	9%	15%	Novice
Kids' Morning Star	6,724	6,271	452	2,605	30	1.8	15%	20%	Novice
TOTAL				171,330		463.0			

Source: SE Group

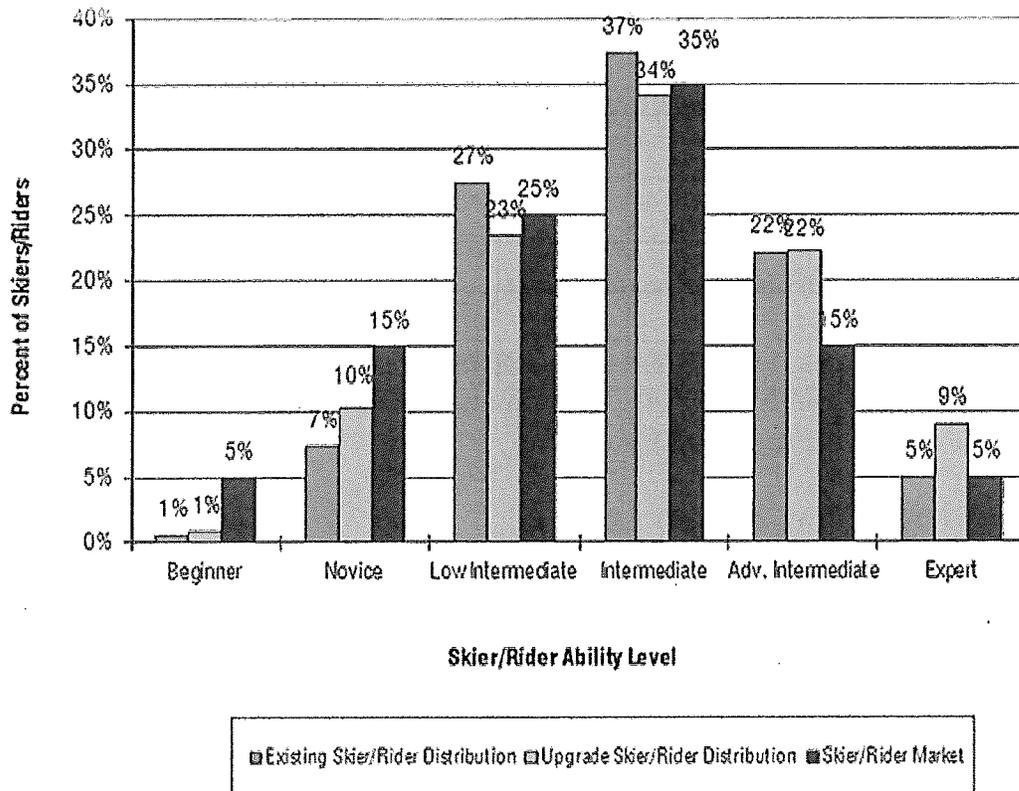
Table IV-3 and Chart IV-1 illustrate the distribution of terrain by skier ability level for upgrading the developed trail network. These exhibits show the improvement in Beginner and Novice level terrain as a result of moving that teaching terrain off Coach's Corner. The increase of Expert level terrain is the result of developing the three interconnected style runs off Pine Creek and Superior.

Table IV-3. Terrain Distribution by Ability Level – Planned Upgrades

Skier/Rider Ability Level	Trail Area (acres)	Skier/Rider Capacity (guests)	Skier/Rider Distribution (%)	Skier/Rider Market (%)
Beginner	1.7	34.5	1%	5%
Novice	22.3	402.2	10%	15%
Low Intermediate	65.3	913.5	23%	25%
Intermediate	132.7	1327.3	34%	35%
Advanced	123.7	866.1	22%	15%
Expert	117.3	351.8	9%	5%
TOTAL	463.0	3,895	100%	100%

Source: SE Group

Chart VI-1. Terrain Distribution by Ability Level – Planned Upgrades





*Trail Grading And Brush Clearing*

In addition to the increase in terrain as detailed above, there are areas planned for grading within existing runs and areas identified for brush clearing.

The planned grading areas include around the bottom of the Superior lift – which needs to be regraded to address ski-under clearance issues with the lift and improve skier circulation. Also, the area that was modified to create a freestyle jump many years ago will be graded out to skiable grades. This area is located on private property, near the base of the Morning Star lift and the existing amphitheater.

Many of the areas between the developed runs on the backside of the resort (in the areas served by the Superior and Pine Creek lifts) were previously skiable. Large amounts of brush has grown, which has made those areas unskiable in all but the heaviest snow years. Extensive brush clearing is planned throughout the backside, and a few select areas on the front side as well, to allow these areas to be skied again.

Both of these projects are shown on Figure 4.

*Night Lighting*

No expansion is planned to the night lighting coverage area. However, the density of light poles within the area currently covered, particularly in the Deer Point area, is planned to be increased. This improves the ski experience by making the light more evenly distributed. Typically, light poles are spaced approximately 150’ apart, and portions of the coverage on Deer Point are about twice that spacing. Additionally, Bogus Basin will continue to improve the efficiency of the lighting by updating fixtures with more modern and efficient lighting.

*Snowmaking/Fire Suppression System*

Snowmaking is a critical aspect of the planned upgrades at Bogus Basin. The existing snowmaking system only provides for limited additional coverage in the base area and bottom of Superior, and does not allow the resort to open for skiing in the absence of natural snow. The planned upgrade will provide coverage for several top to bottom runs off of Coach, Deer Point, and Morning Star lifts. This system will allow Bogus Basin to open the resort on those runs, and stay open for a guaranteed length of season. This is the basic benefit of a snowmaking system – the ability to open on a certain date, and to have a ski season of a set length. After having a string of low snow years over the past 10 seasons, all of which have been below the historical season average of over 200” (including a three year stretch in 2011, 2012, and 2013 which saw less than 70” total snowfall for each of those years), snowmaking coverage has become a necessity. Snowmaking is found at almost 90% of all resorts in the country; it is an invaluable part of winter operations.

The proposed snowmaking system is shown in Figure 5 and includes a planned two-phase buildout for the coverage, totaling about 64 acres of area. The coverage is located on both private and USFS lands. The following table details the coverage by phase and property ownership.

The following table lists the runs that are planned for snowmaking coverage and the acreage of coverage per run.

*Table IV-4. Snowmaking Coverage by Phase – Planned Upgrades*

	Private Land (acres)	USFS Land (acres)	Total (acres)
Phase 1	11.8	20.5	32.3
Phase 2	20.0	11.5	31.5
Total:	31.8	32.0	63.8

Source: SE Group

Water storage for the system will be in a pond located on private property near the tubing facility, as shown in Figure 5. The water source will be from the existing intake on Bogus Creek, with the potential for other sources in the future. Anticipated water need for the full planned coverage is estimated at around 20 million gallons.

*Table IV-5. Snowmaking Coverage by Run – Planned Upgrades*

Trail/Area Name	Plan Area (acres)
Upper Pioneer	1.8
Coach's Corner	4.7
Lower Ridge	6.1
Stewart's Bowl	6.2
Upper Ridge	7.1
Shaker Ridge	1.7
Lodge Cat Track	1.7
Morning Star	6.4
Silver Queen	3.3
Bogus Creek Trail	4.5
Showcase	11.6
Lulu	2.8
Tubing Hill	2.8
Sunshine	0.9
Pioneer Trail	2.3
Total:	63.8

Source: SE Group

It is currently anticipated that the system would use fan guns, with water pipe and power lines buried in trenches in the locations shown on Figure 5 – with approximately 27,000 feet of linear pipe. The primary water pumphouse would be located near the snowmaking pond, providing at least 2,000 gpm of water for the full system.

The system will also have the capability to provide fire suppression water to the Simplot Lodge and base area, the Pioneer Lodge as well as the electronics and communications building at the summit of Deer Point. The system would have fire suppression hydrants in these locations, and the snowmaking pond would be kept full throughout the year (subject to fluctuation when in use for snowmaking) to provide available water for this use as well.



## CAPACITY ANALYSIS

### *Comfortable Carrying Capacity*

The daily carrying capacity of a resort is described as the Comfortable Carrying Capacity (CCC). CCC is not a cap on visitation, but is rather a design standard and planning tool defined as the number of daily visitors a resort can comfortably or efficiently accommodate at one time without overburdening the resort infrastructure. In essence, CCC is a guest attendance level that can be serviced by the resort while operations remain optimally functional.

As stated earlier, the accurate estimation of a ski area's CCC is an important, complex analysis and is the single most important planning criterion for the ski area. All other related skier service facilities can be planned based on the proper identification of the mountain's capacity. The calculation of Bogus Basin's upgraded CCC is described in Table IV-6.

*Table IV-6. Calculation of Comfortable Carrying Capacity – Planned Upgrades*

Lift Name and Type	Slope Length (ft.)	Vert. Rise (ft.)	Hourly Capacity (persons/hr.)	Up-Min Access Rate (%)	Misloading Stopping (%)	Adjusted Hry. Cap. (persons/hr.)	VIF/Day (000)	Vertical Demand (ft./day)	CCC (guests)
Pine Creek Express/DC4	5,289	1,761	2,400	0	5	2,280	26,094	22,014	1,190
Superior Express/DC4	4,245	1,433	1,800	0	5	1,710	15,931	18,663	850
Morning Star Chair/C3	3,034	614	1,800	20	10	1,260	5,416	8,803	620
Bitterroot Chair/C2	2,314	525	1,000	0	10	900	3,073	9,545	320
Showcase Chair/C2	3,463	657	1,100	0	10	990	4,551	11,291	400
Deer Point Express/DC4	3,779	858	2,200	0	5	2,090	12,560	14,153	890
Coach/C3	815	151	1,200	0	15	1,020	1,076	3,378	320
Easy Rider/Carpet	187	25	600	0	5	570	98	797	120
Fundsy Carpet	398	28	600	0	5	570	111	660	170
Additional Conveyor	120	7	600	0	5	570	28	257	110
<b>TOTAL</b>			<b>13,300</b>			<b>11,960</b>	<b>68,938</b>		<b>4,990</b>

Source: SE Group

As illustrated in Table IV-6, the upgraded CCC of the lift and trail network at Bogus Basin will be about 4,990 guests per day, or an increase of 280. This small increase is the result of the upgraded Coach and Morning Star lifts and the additional conveyor.

## Density Analysis

As noted in the Existing Conditions discussion, an important aspect of resort design is the balancing of uphill lift capacity with downhill trail capacity. Trail densities are derived by contrasting the uphill, at-one-time capacity of each lift system (CCC) with the trail acreage associated with each lift pod. The trail density analysis considers only the acreage associated with the developed trail network. The density analysis for the Upgrade Plan is illustrated in Table IV-7.

Table IV-7. Ski Trail Density Analysis – Planned Upgrades

Lift Name	(CCC) (ft.)	Disbursement of Skier/Rider Population				Trail Density Analysis				Density Index (%)
		Support Fac./Milling (guests)	Lift Lines (guests)	On Lift (guests)	On Trails (guests)	Trail Area (acres)	Trail Density (guests/ac.)	Target Trail Density (guests/ac.)	Diff. (+/-)	
Pine Creek Express/DC4	1,190	298	266	201	425	170.6	2	6	-4	33%
Superior Express/DC4	850	213	143	121	373	127.5	3	7	-4	43%
Morning Star Chair/C3	620	155	105	159	201	31.4	6	15	-9	40%
Bitterroot Chair/C2	320	80	75	77	88	29.5	3	11	-8	27%
Showcase Chair/C2	400	100	17	114	169	52.9	3	11	-8	27%
Deer Point Express/DC4	890	223	244	132	291	42.5	7	10	-3	70%
Coach/C3	320	96	85	46	93	6.9	13	15	-2	87%
Easy Rider/Carpet	120	48	48	15	9	0.5	18	30	-12	60%
Funds Carpet	170	68	48	32	22	0.8	28	30	-2	93%
Additional Conveyor	110	44	48	10	8	0.4	20	30	-10	67%
<b>TOTAL</b>	<b>4,990</b>	<b>1,325</b>	<b>1,079</b>	<b>907</b>	<b>1,679</b>	<b>463.0</b>	<b>6</b>	<b>11</b>	<b>-5</b>	<b>54%</b>

Source: SE Group

This table shows that overall densities remain quite low, indicating that the excellent skier experience will be maintained. Trail densities for the conveyor lifts and Coach chairlift have been brought into target ranges, resulting in an improved beginner teaching experience.



## TUBING

The tubing facility will be improved with the replacement of the handle tow with a carpet lift – relieving the current restriction of uphill lift capacity. Additionally, snowmaking is planned to be added to the tubing facility, which will ensure operation throughout the season.

## GUEST SERVICES FACILITIES, SPACE USE ANALYSIS AND FOOD SERVICE SEATING

### *Guest Services Locations*

No new skier service facilities are planned at Bogus Basin. Upgrades and expansions are planned for the Simplot Lodge base lodge, and upgrades are planned for Pioneer. These are both located on private property.

Additionally, the existing snack shack at the bottom on Pine Creek lift will be replaced with a yurt, offering more indoor warming and seating space.

### *Space Use Analysis*

#### **Simplot Lodge Upgrading and Expansion**

Guest services improvements proposed in the MDP are largely focused on the Simplot Lodge. The Simplot Lodge is a popular destination during the winter, and is frequently crowded during busy days. In addition to its winter use, the Simplot Lodge will be the primary focus for summer operations at Bogus Basin. To maximize its functionality during both seasons, proposed renovations to the Simplot Lodge are focused on a number of necessary improvements, as identified in the existing conditions analysis:

- Addressing ADA accessibility
- Raising the quality of the food and beverage product and service
- Increasing seating capacity
- Maximizing space for kid's programs
- Increasing space for rentals, kitchen/scramble, and rest rooms
- Improving interior circulation

These improvements are achieved by renovating the existing interior space, as well as a number of small additions to the building: a circulation tower on the west side for stairs and elevator access; additional space added to the "snowfront" (south) side of the building; and, enclosing the service courtyard on the northeast corner of the building.

Following is a summary of the proposed renovations to the Simplot Lodge, which are illustrated in figures 6, 7 and 8.

**Lower Level (0)**

- Stair/elevator tower addition – improving vertical circulation throughout the lodge
- Snowfront addition – increasing kid’s program space, and creating a new retail/demo shop
- Internal reorganization – improving the circulation between the main entry, guest services, kid’s program space, seasonal lockers, and retail/demo
- Seasonal Locker space – removing secondary staircase and storage to improve space (total square footage remains the same)

**Main Level (1)**

- Stair/elevator tower addition – improving vertical circulation throughout the lodge
- Snowfront addition – new deck for additional outdoor seating
- Kitchen expansion – enclosure of existing service area and reorganization of existing kitchen/service space to improve functionality and ability to deliver a higher quality food and beverage product
- Internal reorganization – improving the seating areas
- Expanding and improving restrooms

**Upper Level (2)**

- Stair/elevator tower addition – improving vertical circulation throughout the lodge
- Restroom addition – utilizing kitchen expansion (level 1) to provide restrooms on the level 2
- Expanded seating – decking over some of the “open to below” space to increase seating capacity

Sufficient space will be provided to accommodate the resort’s upgraded CCC of 4,990 guests per day. Table IV-8 shows the recommended skier service space for the Simplot Lodge, based on a logical distribution of skiers and industry averages for resorts of similar scale and complexion.



As this table indicates, there is currently an approximate 5,000sf shortage of space in this location. The expansions to the lodge, as described above, will increase its space by approximately 5,000sf, addressing the identified deficit.

Table IV-8. J.R. Simplot Base Area Space Use Recommendations (sq. ft.)

Service Function	Existing Total	Recommended Range	
		Low	High
Ticket Sales/Guest Services	922	790	960
Seasonal Lockers	2,765	2,360	2,880
Public Lockers	100	790	960
Rentals/Repair	5,078	3,325	4,275
Retail Sales	900	830	1,010
Bar/lounge	1,600	2,480	3,030
Adult Ski School	1,800	1,800	2,200
Kid's Ski School	2,485	2,470	3,020
Restaurant Seating	9,950	10,570	12,920
Kitchen/Scramble/BOH	3,900	6,040	7,380
Rest rooms	1,227	3,020	3,690
Ski Patrol	2,000	1,210	1,480
Administration	3,235	2,360	2,880
Employee Lockers/Lounge		940	1,150
Mechanical	1,000	1,050	1,580
Storage	1,200	1,750	2,630
Circulation	2,000	4,210	6,310
<b>TOTAL SQUARE FEET</b>	<b>40,162</b>	<b>45,995</b>	<b>58,355</b>

Source: SE Group

## Pioneer Lodge

Table IV-9 shows the recommended skier service space for the Pioneer Lodge, based on a logical distribution of skiers. Overall, the amount of guest service space provided will be in the range of recommended space based on industry averages.

*Table IV-9. Pioneer Mid-Mountain Space Use Recommendations (sq. ft.)*

Service Function	Existing Total	Recommended Range	
		Low	High
Ticket Sales/Guest Services	70	340	410
Seasonal Lockers	1,500	1,010	1,240
Public Lockers	1,500	340	410
Rentals/Repair	-	1,030	1,250
Retail Sales	-	350	430
Bar/lounge	1,800	1,060	1,300
Adult Ski School	-	-	-
Kid's Ski School	-	-	-
Restaurant Seating	7,000	5,590	6,830
Kitchen/Scramble/BOH	2,100	3,190	3,900
Rest rooms	1,075	1,600	1,950
Ski Patrol	-	640	780
Administration	720	-	-
Employee Lockers/Lounge	-	-	-
Mechanical	900	410	610
Storage	900	680	1,020
Circulation	1,100	1,640	2,440
<b>TOTAL SQUARE FEET</b>	<b>18,665</b>	<b>17,880</b>	<b>22,570</b>

Source: SE Group

In addition to the Simplot Lodge improvements, the Master Plan proposes modest improvements to the Pioneer Lodge. These improvements are focused on:

- Upgrading the building to meet ADA accessibility requirements,
- Improving the bar/lounge and food service on the upper level to create a more desirable special events venue,
- Adding restroom facilities on the second or third level, and
- Upgrading interior and exterior finishes keeping the building current / contemporary to attract users in all seasons.



## Overall Resort

Table IV-10 shows the recommended skier service space for the overall resort.

Table IV-10. Overall Space Use Recommendations (sq. ft.)

Service Function	Existing Total	Recommended Range	
		Low	High
Ticket Sales/Guest Services	992	1,130	1,370
Seasonal Lockers	4,265	3,370	4,120
Public Lockers	1,600	1,130	1,370
Rentals/Repair	5,078	4,355	5,525
Retail Sales	900	1,180	1,440
Bar/lounge	3,400	3,540	4,330
Adult Ski School	1,800	1,800	2,200
Kid's Ski School	2,485	2,470	3,020
Restaurant Seating	16,950	16,160	19,750
Kitchen/Scramble/BOH	6,000	9,230	11,280
Rest rooms	2,302	4,620	5,640
Ski Patrol	2,000	1,850	2,260
Administration	3,955	2,360	2,880
Employee Lockers/Lounge	-	940	1,150
Mechanical	1,900	1,460	2,190
Storage	2,100	2,430	3,650
Circulation	3,100	5,850	8,750
<b>TOTAL SQUARE FEET</b>	<b>58,827</b>	<b>63,875</b>	<b>80,925</b>

Source: SE Group

As Table IV-10 indicates, there is currently an approximate 5,000sf deficit of skier services space. The expansion to the Simplot Lodge, as described above, addresses this deficit.

### *Food Service Seating*

Food service seating at Bogus Basin is provided at the Simplot Lodge and the Pioneer Lodge. There are a total of 1,450 seats available to skiers. The proposed upgrading to the Simplot Lodge will create an additional 50 seats.

The following table summarizes the seating requirements at Bogus Basin, based on a logical distribution of the CCC to each service building/location.

*Table IV-11. Existing Food Service Seating Recommendations*

Building/Location	Base Area (Simplot Lodge)	Mid-Mountain (Pioneer Lodge)	Total Resort
Lunchtime Capacity (CCC)	3,355	1,775	5,130
Average Seat Turnover	3.5	3.5	
Existing Seats	950	500	1,450
Proposed Seats	50		50
Required Seats	959	507	1,466
Difference	+41	7	+34

Source: SE Group

As shown in Table IV-11, there is a very good balance between existing seats and the calculated number of seats required. While the table shows a slight surplus of seats, the additional 50 seats gained by the Simplot Lodge renovations will help to offset the “hoarding” of seats in the lodge that results in a shortage of seating experienced on busy days.

## PARKING CAPACITY

Parking requirements given the upgraded CCC of 4,990 is summarized in Table IV-12.

*Table IV-12. Parking Requirements – Planned Upgrades*

	Multiplier	Total
CCC plus non-ski guests		5,240
Number staying in lodging		72
Number arriving via shuttle		50
Number of guests arriving by car	95%	4,862
Number of guests arriving by charter bus	5%	256
Required car parking spaces	2.10	2,315
Required charter bus parking spaces	35.00	7
Equivalent car spaces (1 bus=4.5 car)	4.5	32.9
Required employee car parking spaces		205
Total required spaces		2,553
Existing parking spaces		2,526
Surplus/Deficit		-27

Source: SE Group

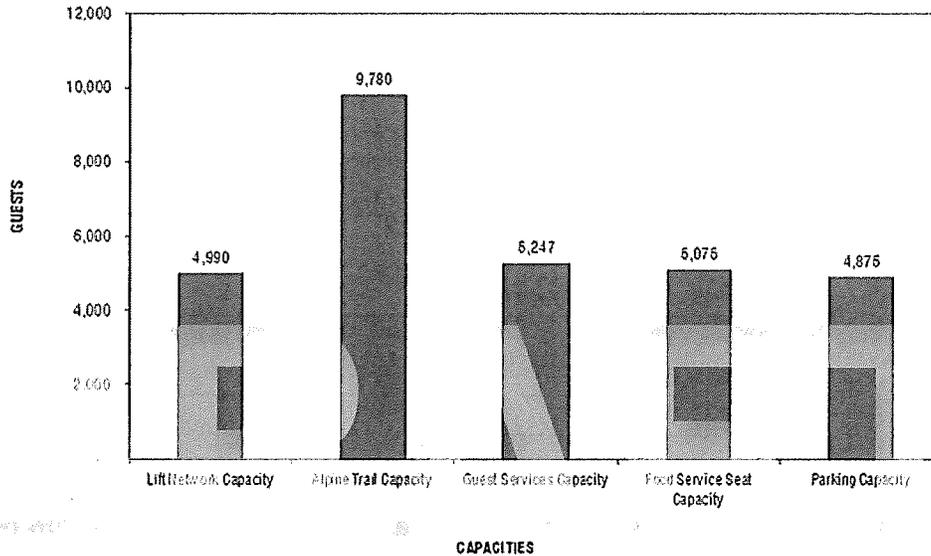
Based upon an upgraded CCC of 4,990 skiers, the existing surplus of parking spots almost accommodates the upgraded CCC parking demand. The analysis above shows a slight deficiency, which will be addressed through strategic increases in parking lot capacity and improved shuttle service. All parking lots, and possible expansions, are located on private property.



## RESORT CAPACITY BALANCE AND LIMITING FACTORS

The overall balance of the ski area is evaluated by calculating the capacities of the resort's various facilities, as compared to the resort's CCC. The above discussed capacities for the planned upgrades are shown in Chart IV-2.

Chart IV-2. Resort Balance – Planned Upgrades



As the above chart shows, with the exception of the Alpine Trail Capacity all of the components of Bogus Basin Mountain will remain in close balance after the planned upgrades.



## B. ALTERNATIVE AND NON-WINTER ACTIVITIES

### RECREATION ZONE DESIGNATIONS

As discussed in Chapter II, Bogus Basin identified four characteristics (access, remoteness, naturalness, and infrastructure) to define the summer and multi-season setting and guest experience within different landscapes across the SUP area. The first step in the zone designation process was a careful consideration of the setting and the proximity to infrastructure supporting snow sports. Features such as watersheds, topography, vegetation structure, level of existing disturbance, and existing infrastructure were considered in establishing zone boundaries across the entire SUP area.

The exercise resulted in the creation of 12 areas unique in their location and/or features. The second step of the zone designation process was applying a score for each characteristic on a scale of 1 to 3, with 1 being the most disturbed and 3 being the least disturbed. Figure 9 illustrates the recreation zone designations within the Bogus Basin SUP area.

Because summer and multi-season uses are continually being developed and activities that do not currently exist may be popular within the next several years, a list of compatible activities is provided for each zone. The intent of the list of compatible activities is to allow for a certain amount of flexibility, since it is impossible to foresee exactly what new activities will be developed over this time. Bogus Basin will continue to work with the Forest Service to ensure that proposed summer and multi-season activities are suitable for the setting and desired experience within each zone.

#### *Zone 1*

##### **Setting**

The existing setting of Zone 1 is highly developed and disturbed. Within Zone 1, the built environment dominates the landscape. Within the context of the overall SUP area, the following summarizes the setting in Zone 1:

- Road access and roads are prevalent;
- Considerable human activity (people recreating and/or resort operations) occurs within and proximate to this setting—there is little to no feeling of remoteness;
- Terrain modifications (ground disturbance and vegetation removal) dominate the area; and
- Infrastructure, including chairlifts and buildings, are present.

Three areas—the Shafer Butte peak, Pine Creek base, and Deer Point peak—has been designated as Zone 1.

## Desired Experiences

Within Zone 1, guests are expected to encounter a high concentration of other guests. The level of development will reflect the current setting and function of these areas as hubs of activity and portals to other activities across the ski area. Most guests visiting Zone 1 will initially access it from private land by utilizing the existing and planned trails from the greater Simplot Lodge base area. Within Zone 1, the concepts in the BEIG will be followed to ensure appropriate design guidelines for both landscape architecture and built architecture are followed. Zone 1 abuts Zone 2 on the fringes of developed on-mountain areas. This allows guests to experience a gradual transition between the built environment (Zone 1) and more-natural areas that still contain activities and facilities blending with the area's natural setting (Zone 2). Zone 1 abuts Zone 3 in two areas, surrounding Area 12 and along the north and southeast sides of Area 8. The distinct change in topography and minimal amount of trail access in this area creates a natural buffer between these zones. Zone 1 will offer interpretive opportunities in a developed setting, with goals of enhancing guests' understanding of the natural environment as they prepare to venture into less-developed areas.

## Compatible Activities and Facilities

Services and activities within a Zone 1 may include food and beverage operations, special event venues, shelter and emergency services, restroom facilities, landscaped areas, and other activities. At Bogus Basin, Zone 1 serves as the on-mountain hub and activity center, from which guests will access surrounding activities and refuel between activities. Typically, guests will first access this area after riding the Deer Point Express chairlift; however, guests will also access Zone 1 under their own power from the surrounding trails network. These areas already host several multi-season recreational activities, including hiking, mountain biking, and special events.

Activities on NFS lands within a Zone 1 may include an alpine coaster, challenge/aerial adventure courses, canopy tours, singletrack, flow, and gravity/enduro mountain biking trails, a mountain biking skills park, hiking trails, special events and access pathways to zip lines, challenge courses, fishing and other water-based activities, temporary activities (such as outdoor concerts and kid's playground), and other natural resource-based recreation activities. The activities will not compromise the existing skiing, which occurs in Zone 1 during winter months.



## Zone 2

### Setting

The setting of Zone 2 is less disturbed when compared with Zone 1 and provides more naturalness due to a lesser degree of disturbance from the surrounding ski area. Within the context of the overall SUP area, the following summarizes the setting in Zone 2:

- Road access and roads are present;
- Human activity (people recreating) occurs within and proximate to this setting—there is little feeling of remoteness;
- Terrain modifications (ground disturbance and vegetation removal) are evident in the area, but past disturbance blends with the landscape; and
- Infrastructure, including chairlifts and buildings, are present.

Two areas within the Bogus Basin SUP area were designated as Zone 2 along the southeastern extent of the Simplot Lodge base area and surrounding private lands.

### Desired Experiences

Most guests will access Zone 2 from the Simplot Lodge base area. Guests choosing to utilize the summer operation of Deer Point Express to access the existing trail network, will descend from a Zone 1 into a Zone 2. In moving between these zones, guests will transition from the built environment to a setting characterized by both developed and passive activities proximate to existing infrastructure and facilities, but still offering a more-natural feel. For many guests of Bogus Basin, this may be their first real experience in the mountains, and providing a safe, comfortable environment for exploration is critical to the success of Zone 2 and the overall plan. Zone 2 provides the initial opportunity for guests to learn about and engage in their natural surroundings through hands-on recreational, interpretive, and educational offerings. In addition to hosting activities such as guided hikes, a zip line/canopy tour, and various trails, Zone 2 serves as a buffer between higher levels of development within Zone 1 and private lands, and the more natural settings of Zones 3 and 4.

### Compatible Activities and Facilities

Passive activities within Zone 2 include educational/interpretive opportunities, sightseeing and light hiking, or simply visiting with friends and family. Zone 2 will provide enhanced sightseeing opportunities when compared to Zone 1 as these areas are typically elevated and further within the mountain landscape. Activity offerings include access to zip lines and canopy tours, guided hikes and interpretative opportunities, extended hiking trails, singletrack, flow, and gravity/enduro mountain biking trails, challenge/aerial adventure courses, climbing walls, fishing and other water-based activities, and other natural resource-based activities.

As mentioned above, the Zone 2 serves two primary purposes—to provide activities in a natural setting in proximity to existing infrastructure and services, and to provide a buffer between Zones 3 and 4 and

more developed areas within Zone 1 and on private lands. Thus, areas within Zone 2 serve as transitional zones, encouraging guest exploration into more natural portions of the National Forest in a setting that still feels comfortable for less-experienced Forest users. The setting of Zone 2 and the activities that occur within will offer sufficient challenge for first-time guests, and will prepare others to venture into the less developed areas of Zones 3 and 4.

### *Zone 3*

#### **Setting**

The setting of Zone 3 contains areas of disturbance from ski trail and chairlift development, but guests can still find a greater degree of remoteness and naturalness depending on their location within the zone. Generally speaking, Zone 3 includes areas where existing chairlifts are present; however, this was not the determining factor for the designation. Within the context of the overall SUP area, the following summarizes the setting in Zone 3:

- Road access and roads are present, but limited to certain areas;
- Human activity (people recreating) can be seen at a distance or is out of sight from within this setting—a stronger feeling of remoteness is present;
- The area is moderately disturbed by ski area activity, including vegetation removal from ski trail development and some ground disturbance; and
- Infrastructure, including chairlifts and buildings, are present.

Two areas within the SUP area were designated as Zone 3—areas around Pine Creek Express and the general forested recreation area around Superior Express. These two areas share very similar characteristics of mild ski area infrastructure and breathtaking views of the Treasure Valley landscape.

#### **Desired Experiences**

The majority of guests will access Zone 3 from private lands via the existing trails network. Once in Zone 3, guests will have a variety of opportunities to engage in their surroundings in a more natural and remote environment.

The desired experience in Zone 3 will be achieved through the activities offered there. Guests will enjoy nature hikes with interpretive signage that will provide education on their biological, cultural, and historical surroundings. Guests will hike to locations with views up and down the mountain. Opportunities for self-guided tours, or dispersed travel also exist. Guests will ride mountain biking trails through forested settings and learn the importance of forest health and stewardship. Mountain bike trails would be less developed cross-country oriented trails and the trail network would be less dense compared to Zone 2. In Zone 3, guests may also ride zip lines and canopy tours over and through the canopy to experience amazing views of the Bogus Basin area and its natural surroundings.

Zone 3 offers a diverse set of experiences for guests, which will promote the BNF as a recreationally, biologically, and geographically diverse landscape.



## Compatible Activities and Facilities

Activities include singletrack mountain biking trails, scenic chairlift rides, hiking trails, multiple-use trails, canopy tours, challenge/aerial adventure course and other similar natural resource-based activities. Select activities such as interpretive tours and canopy tours may occur on a year-round basis. Activities within Zone 3 will not require substantial modifications to natural topography to facilitate construction. Existing ski area development (ski trails and chairlifts) exist to varying degrees within Zone 3, and potential seasonal and year-round facilities and activities will be consistent with the level of existing development for the ski area operation.

### Zone 4

#### Setting

The setting of Zone 4 is more remote and provides a great degree of naturalness. Ski area development is limited and, where ski trails are present, larger tree islands prevail. Within the context of the overall SUP area, the following summarizes the setting in Zone 4:

- Little to no road access occurs;
- Human activity (people recreating and/or resort operations) is distant or out of sight facilitating a high degree remoteness;
- The area is completely natural or has limited disturbance; and
- Infrastructure, including a chairlift and small buildings, are present.

Five areas within the Bogus Basin SUP area were designated as Zone 4—these areas contain a variety of biological and topographical characteristics: dense/large tree islands, challenging/isolated topography, minimal trail access, negligible ski resort development, void of notable infrastructure/facilities, and are predominately located on the furthest and most isolated extents of this SUP area. The Zone 4's classified for Bogus Basin exude minimal infrastructure and industrialization, however, due to the existing disturbance such as county roads or the proximity to adjacent highly used recreation areas, these area's align more succinctly with a Zone 4 in comparison to a Zone 5. Overall, natural characteristics and features dominant these areas beyond all ski area modifications.

#### Desired Experiences

In Zone 4, guests will connect with the more natural setting in a relatively undisturbed environment. Dispersed hiking opportunities will allow guests to experience and interpret areas of the National Forest where natural processes are more evident, allowing for educational opportunities that are not available in more developed zones. The setting in Zone 4 will directly affect the guest experience, and maintaining a more remote setting with opportunities for solitude will meet the guests' expectations.

## Compatible Activities and Facilities

Activities will promote the surroundings and inform guests of similar environments throughout the National Forest. Activities include slower-moving actions to match the setting and character, which provide even greater opportunities for environmental education and exposure to unique environments. These activities include singletrack hiking trails with signage and interpretation and singletrack mountain biking trails. Activities within Zone 4 will require minimal site modification to maintain the current level of naturalness. In this zone, the low density of guests is expected to maintain the feeling of remoteness.

### Zone 5

Zone 5 is the least developed of all zones. No areas within the Bogus Basin SUP area were classified as Zone 5.

Table IV-13 describes the characteristics of each zone and the resulting scoring of each condition. Table IV-14 summarizes the zone designation of each area at Bogus Basin.

Table IV-13. Zone Characteristics

Zone Characteristics	Scores
<b>Access</b>	
Road Access within Area	1
Limited Road Access/Trails	2
No Road Access	3
<b>Remoteness</b>	
Proximate to Human Activity	1
Distant Sight of Human Activity within SUP	2
Out of Sight of Human Activity within SUP	3
<b>Naturalness</b>	
Heavily Disturbed by Ski Area Activity	1
Moderately Disturbed by Ski Area Activity	2
Undisturbed by Ski Area Activity	3
<b>Infrastructure</b>	
Adjacent to 2 or More Ski Area Infrastructure	1
Ski Area Infrastructure in Area	2
Out of Site of Ski Area Infrastructure	3
<i>Minimum Score Possible</i>	4
<i>Maximum Score Possible</i>	12
<b>Zones</b>	<b>Score Range</b>
1	4
2	5 to 6
3	7 to 9
4	10 to 11
5	12



Table IV-14. Bogus Basin Summer Use Zones

Area Boundaries	Score	Appropriate Zone
<b>Area 1</b>		
Access	1	
Remoteness	1	
Naturalness	1	
Infrastructure	1	
<b>Total Score</b>	<b>4</b>	<b>Zone 1</b>

<b>Area 2</b>		
Access	1	
Remoteness	1	
Naturalness	2	
Infrastructure	2	
<b>Total Score</b>	<b>6</b>	<b>Zone 2</b>

<b>Area 3</b>		
Access	2	
Remoteness	2	
Naturalness	3	
Infrastructure	3	
<b>Total Score</b>	<b>10</b>	<b>Zone 4</b>

<b>Area 4</b>		
Access	2	
Remoteness	2	
Naturalness	3	
Infrastructure	3	
<b>Total Score</b>	<b>10</b>	<b>Zone 4</b>

<b>Area 5</b>		
Access	2	
Remoteness	3	
Naturalness	3	
Infrastructure	3	
<b>Total Score</b>	<b>11</b>	<b>Zone 4</b>

<b>Area 6</b>		
Access	2	
Remoteness	3	
Naturalness	3	
Infrastructure	3	
<b>Total Score</b>	<b>11</b>	<b>Zone 4</b>

Area Boundaries	Score	Appropriate Zone
<b>Area 7</b>		
Access	2	
Remoteness	2	
Naturalness	2	
Infrastructure	2	
<b>Total Score</b>	<b>8</b>	<b>Zone 3</b>

<b>Area 8</b>		
Access	1	
Remoteness	1	
Naturalness	1	
Infrastructure	1	
<b>Total Score</b>	<b>4</b>	<b>Zone 1</b>

<b>Area 9</b>		
Access	1	
Remoteness	1	
Naturalness	2	
Infrastructure	2	
<b>Total Score</b>	<b>6</b>	<b>Zone 2</b>

<b>Area 10</b>		
Access	2	
Remoteness	3	
Naturalness	3	
Infrastructure	3	
<b>Total Score</b>	<b>11</b>	<b>Zone 4</b>

<b>Area 11</b>		
Access	3	
Remoteness	2	
Naturalness	2	
Infrastructure	2	
<b>Total Score</b>	<b>9</b>	<b>Zone 3</b>

<b>Area 12</b>		
Access	1	
Remoteness	1	
Naturalness	1	
Infrastructure	1	
<b>Total Score</b>	<b>4</b>	<b>Zone 1</b>

Source: SE Group

## SUMMER AND MULTI-SEASON ACTIVITIES AND FACILITIES

### *Upgraded Summer Activities*

Summer uses at ski areas, both on private and NFS lands, have been increasing in recent years. The increase has been driven by both new technologies in summer recreation equipment, as well as the growing numbers of people seeking recreation activities in more managed settings.

SAROE A has provided an opportunity for the Forest Service to authorize additional seasonal and year-round recreation activities and associated facilities at ski areas on NFS lands. With that guidance, Bogus Basin has identified additional multi-season and summer recreation opportunities to increase the available recreation activities to NFS guests.

The primary focus for summer activities at Bogus Basin will be within the resort's private land holdings, with the majority of the summer activities occurring, or beginning and ending near the Simplot Lodge. In addition, there are summer recreation opportunities within NFS lands including expanded lift-served downhill mountain biking "flow" trails, as well as potential "phase two" expansions of the canopy tour and aerial adventure course (described below).

Details on planned upgrades are presented below, but specific project locations and associated maps for activities located within NFS lands will be developed during site-specific analysis as part of the NEPA process. These multi-season and summer recreation projects are anticipated to be implemented, dependent upon NEPA analysis and approval, between 2017 and 2020. Additional summer and multi-season projects may be considered for implementation beyond 2020, in accordance with the setting and desired experience of each zone, as described above.





Activities would take place within Bogus Basin's SUP and corresponding zones, as follows:

**Zone 1**

- Singletrack, flow, and gravity/enduro mountain biking trails and hiking trails
- Special event/gathering sites

**Zone 2**

- Aerial adventure course between base terminals of Showcase and Deer Point Express
- Scenic lift rides utilizing the Deer Point Express
- Singletrack, flow, and gravity/enduro mountain biking trails and hiking trails

**Zone 3**

- Singletrack mountain biking and hiking trails
- Canopy tour between the bottom terminals of the Bitterroot and Superior lifts

**Zone 4**

- Singletrack mountain biking and hiking trails

The remaining proposed activities will be located on private land, as illustrated in the Simplot Base Area Plan (Figure 10).

The proposed landscape improvements to the Simplot base area (the "snowfront" in the winter months) are designed to accommodate these base area activities, facilitate the staging of and movement between activities, and create a pleasant environment for summertime guests – whether they are actively participating or just "hanging out." Activities are organized around a centrally-located water feature, which provides a refreshing contrast to the typical hot and dry summer environment.

Built features and activities located within the base area will be designed with a mining theme, referring back to the mining history of the area, and the origins of the Bogus Basin name.

A description of the proposed multi-season activities is provided below.

## Mountain Biking Trails

With the recent advent of Mountain Bike Parks, a combination of trail networks (downhill/flow, cross-country, casual off-road riding) and bike skill development areas, mountain biking has become a popular summer-time activity at many ski areas. Development of these parks has allowed bike operations at ski areas and mountain resorts to evolve beyond technical single-track trail systems into areas that bring people of different skills and fitness into the sport, expanding the market appeal and financial viability of the operation. As part of mountain biking operations, ski areas typically rent activity-appropriate bikes and associated gear, as well as offer lessons and group tours, increasing the accessibility of the sport and revenue generating opportunities.

### Mountain Bike Trail Networks

A mountain bike facility must serve a broad range of ability and fitness levels. A mountain bike trail network can be developed in phases, while maintaining the balance of offerings for riders of different abilities. All trails should be designed with an average grade of 5% to 10%. Trails that facilitate “flow” type riding (downhill trails) require neither pedaling nor braking, accordingly, must maintain an average maximum 5% gradient.

### Bike Pump Track & Skills Park

A pump track is a continuous bicycle loop with dirt berms and rollers. The goal is to ride around the track without pedaling, by gaining momentum from a pumping motion as you ride up and down. This facility provides a fun ride for any skill level rider. Pump tracks are ideal practice grounds for mountain biking, but the workout is effective for training for other sports like skiing, snowboarding, and track sports. Mountain bikes, BMX bikes and other types of bicycles can be used on a pump track for training at any skill level, especially to increase bike handling skills for younger and beginner riders.

A bike skills area usually includes a variety of natural obstacles such as rocks and logs, imaginatively constructed features like teeters and ladder bridges, and dirt jumps. These areas provide a place for riders of all abilities to hone their skills, making the technically challenging sport more available to the general public. Riders return to these areas repeatedly to improve their riding. Bike skills areas serve as an additional outlet for riders, that’s technically oriented, convenient, controlled—and a lot of fun.



Bogus Basin has already initiated a number of projects to broaden the appeal of mountain biking at the resort in 2016:

- Providing lift served mountain biking via Deer Point Express (public and private land)
- Creating a beginner loop trail along Bogus Creek (private land)
- Creating a downhill “flow” trail (average maximum 5% gradient) in the Morning Star area (private land)
- Allowing limited snow biking access on the Nordic trails during winter operations (public and private land).
- In addition to these recent projects, the MDP proposes a number of mountain biking improvements:
  - A bike skills park and pump track area located near the Simplot base area, focusing on kids, families and beginner mountain bikers (private land)
  - A flow trail in the Deer Point Express area (public and private lands)
  - Approximately eight miles of additional trail development to complement the existing trail network (located on public and private lands, exact locations TBD).



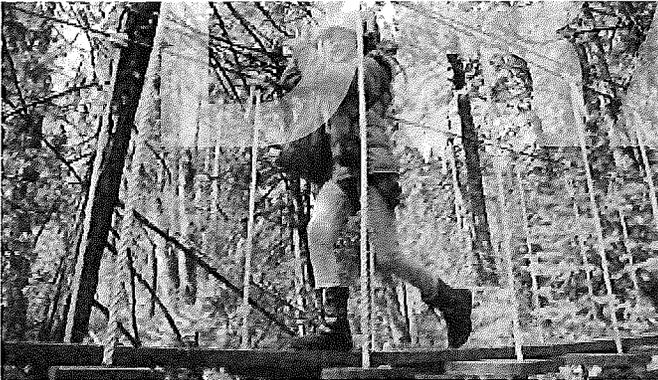
## Canopy Tour

With an environmentally conscious design, a canopy tour course combines the adventure of zip lines and the quiet splendor of sky bridges to give participants a unique experience with views of the forest from the tree tops. On guided tours small groups can gain a new perspective on nature and life from high above the ground. Tour guides will not only provide supervision of safe operations, but will also provide interpretation of the history of the nearby landscape, information about the management of the National Forest, and details about the wildlife and vegetation that inhabit the Boise region.

Initially, the Bogus Basin canopy tour is envisioned within the private land area, beginning at the Pioneer base area, zig-zagging down the Bitterroot area terrain to the base of the Bitterroot lift, at which point participants will be shuttled back to the Simplot base area via the Nordic Highway. Future phases of the canopy tour may include extending the route into Bogus Basin's SUP area and down to the base of the Superior Express lift.

Future design will determine the exact alignment of the tour, but the goal is to maximize views while experiencing the diversity of the forest terrain at Bogus Basin.

The canopy tour would be operated primarily during the summer months, however, Bogus Basin may expand operation into the spring-skiing operating months.

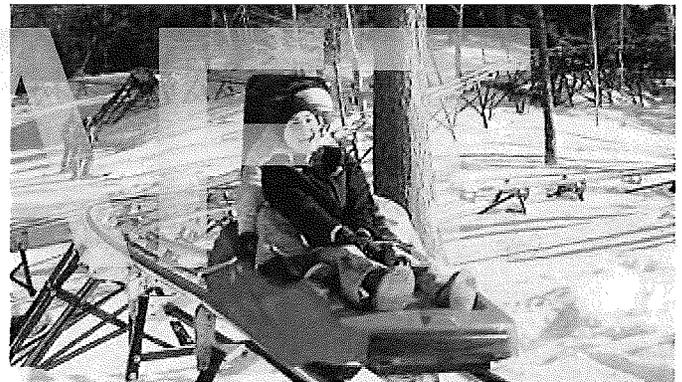


### Alpine Coaster

The alpine coaster is an evolution of the alpine slide. Riding an alpine coaster involves traveling in a self-braking, two-person sled which travels on two tubular rails. This allows for a closed loop system, so that participants begin and end their ride in the same location. The ride is exciting and varied, and may include curves, corkscrews and downhill stretches. Centrifugal brakes control maximum speeds, and riders may control their speed at all times allowing for a unique hands-on experience for all ages.

The alpine coaster may operate year-round. The track's supporting structure sits directly on the ground (from 3 to 20 feet off the ground) without foundations, and is held in place with steel pegs. Track placement is uncomplicated, allowing a high degree of flexibility of installation especially in wooded areas. Streams, ravines, uneven/steep sections, even ski trails may be easily crossed as needed.

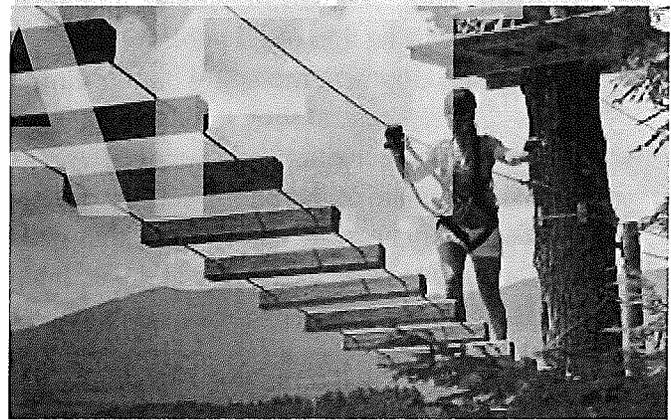
The alpine coaster is proposed to be located on private land, primarily within the tree islands on the lower slopes of the Morning Star area, beginning and ending in the Simplot base area for ease of access. More detailed design will be required prior to implementation.



## Aerial Adventure Course

An aerial adventure course is a series of activities usually constructed between trees or platforms and can either be a low or high course with varying levels of difficulty. The course is comprised of many different elements, including ladders, nets, swings, bridges and zip lines. The number and sequencing of elements will vary according to specific site conditions and the desired degree of difficulty. It is typical to combine a number of courses of varying length and difficulty in the aerial adventure course area to appeal to a broad audience and provide something fun and challenging for everyone. Course participants wear harnesses during their time on the course and are always secured via safety lines. Groups may be accompanied through the course by a trained guide, or may be self-guided. In either case, the aerial adventure course experience is always initiated with some level of training or practice on a demonstration course, to ensure that participants are familiar with their safety equipment and are able to navigate the various elements of the course.

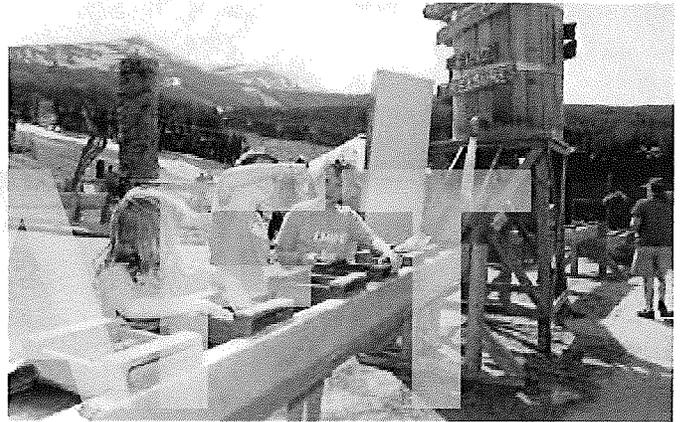
The aerial adventure course at Bogus Basin will be located in the private land on the lower slopes of the Deer Point area, between the Deer Point and Showcase chairs. Future phases of the aerial adventure course may include extending the course uphill, within the SUP boundary.



### Fun Zone

A Fun Zone includes a number of lower cost/low skill range/short time commitment activities for all family members too enjoy. Climbing/bouldering areas, adventure towers, natural play, Water Wars, panning for gold, bungee trampolines are typical activities and games found in Fun Zones. Fun Zone activities have a diverse appeal: some are oriented toward young children and families, while others may attract youth and can be used as a training tool for sports teams.

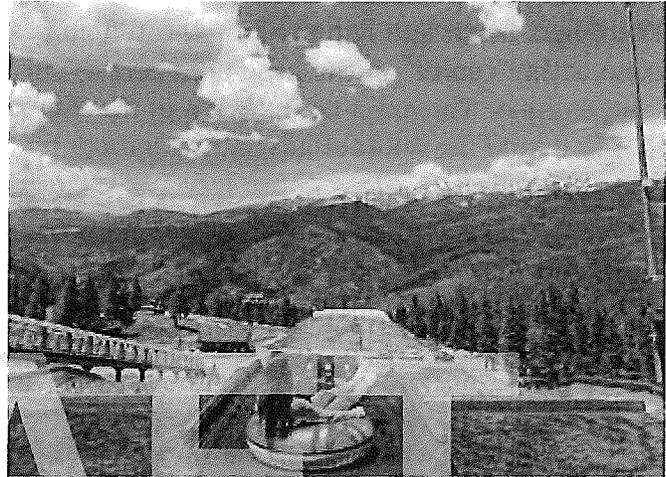
The Bogus Basin Fun Zone will be located on the private land adjacent to the Simplot Lodge. The Fun Zone is the “center” of the base area action, surrounded by the other summer activities and outdoor seating areas. The exact complexion of the Fun Zone activities has not yet been determined; activities that fit within the outdoor adventure and mining theme will be preferred.



## Summer Tubing

Summer tubing utilizes the same tubes used for winter tubing, while utilizing a synthetic surface to allow for summer sliding. This adds to the Fun Zone offerings, providing another activity to encourage summer guests to stay longer at the resort.

The summer tubing at Bogus Basin will be located on the private land at the bottom of Stewart's Bowl.



## Disc Golf

Disc golf will continue to be offered at Bogus Basin, though it will need to be relocated to allow for the implementation of the new activities.



### Programs

Kid's day camps and mountain bike skills camps are included in the MDP for Bogus Basin, taking advantage of the mountain biking trail network and adventure activities, and building upon the programming already offered in collaboration with the City of Boise Parks & Recreation department.

This programming will increase the utilization of the activities and facilities at Bogus Basin, as well as provide an additional revenue stream for the operation. These programs may be utilized by members of the community and visitors to the area.

### Kids Mountain Day Camps

The establishment of new multi-season activities at Bogus Basin, particularly those focused towards kids and families will greatly increase the appeal of the Mountain Discovery Camps. It is envisioned that the frequency of the offering, as well as overall participation will be increased. While the activities located around the Simplot base area will be utilized, the Nordic Center will continue to be used the Camp headquarters.



## Mountain Bike Camps

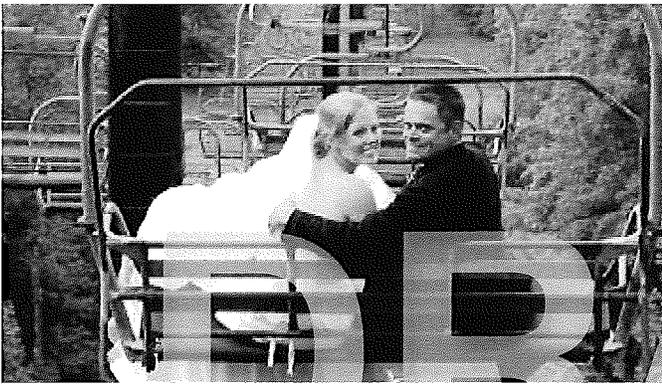
The additional mountain biking trails, pump track and skills area proposed in the MDP will broaden the appeal of Bogus Basin as a mountain biking destination, and provide an ideal venue to teach mountain biking skills to riders of all ability levels.

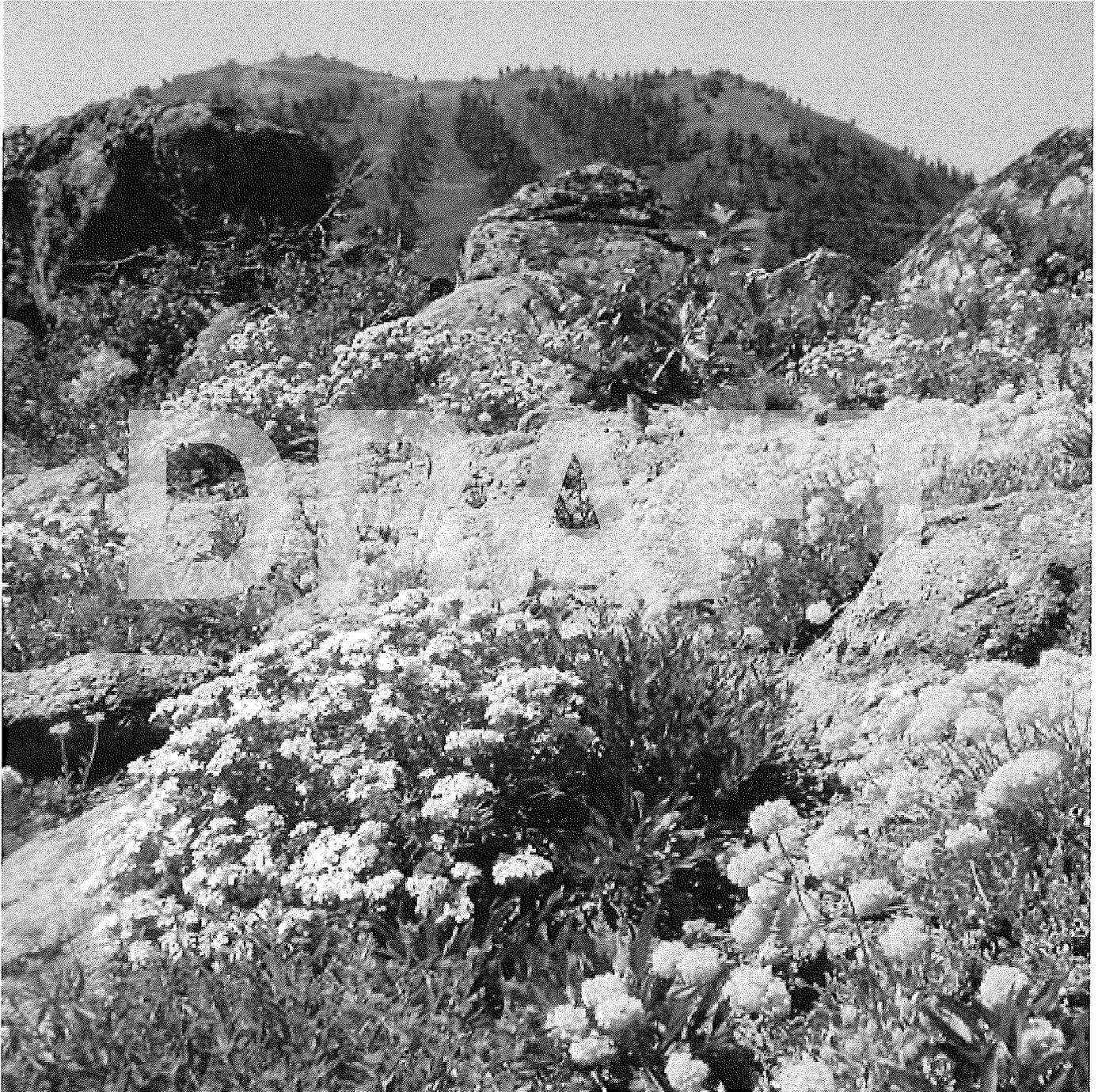


*Events*

The improvements to the outdoor environment of the Simplot base area include the creation of an outdoor event area. This large, naturally sloping amphitheater will be located just below the smaller existing amphitheater between the Showcase and Deer Point chairs. Combined with the new summer activities, existing base infrastructure and planned upgrades to the “Great Lawn” in front of the Simplot Lodge, Bogus Basin will be an ideal venue for outdoor festivals and special events.

The Pioneer Lodge will continue to be the venue for indoor special events, such as weddings and banquets.

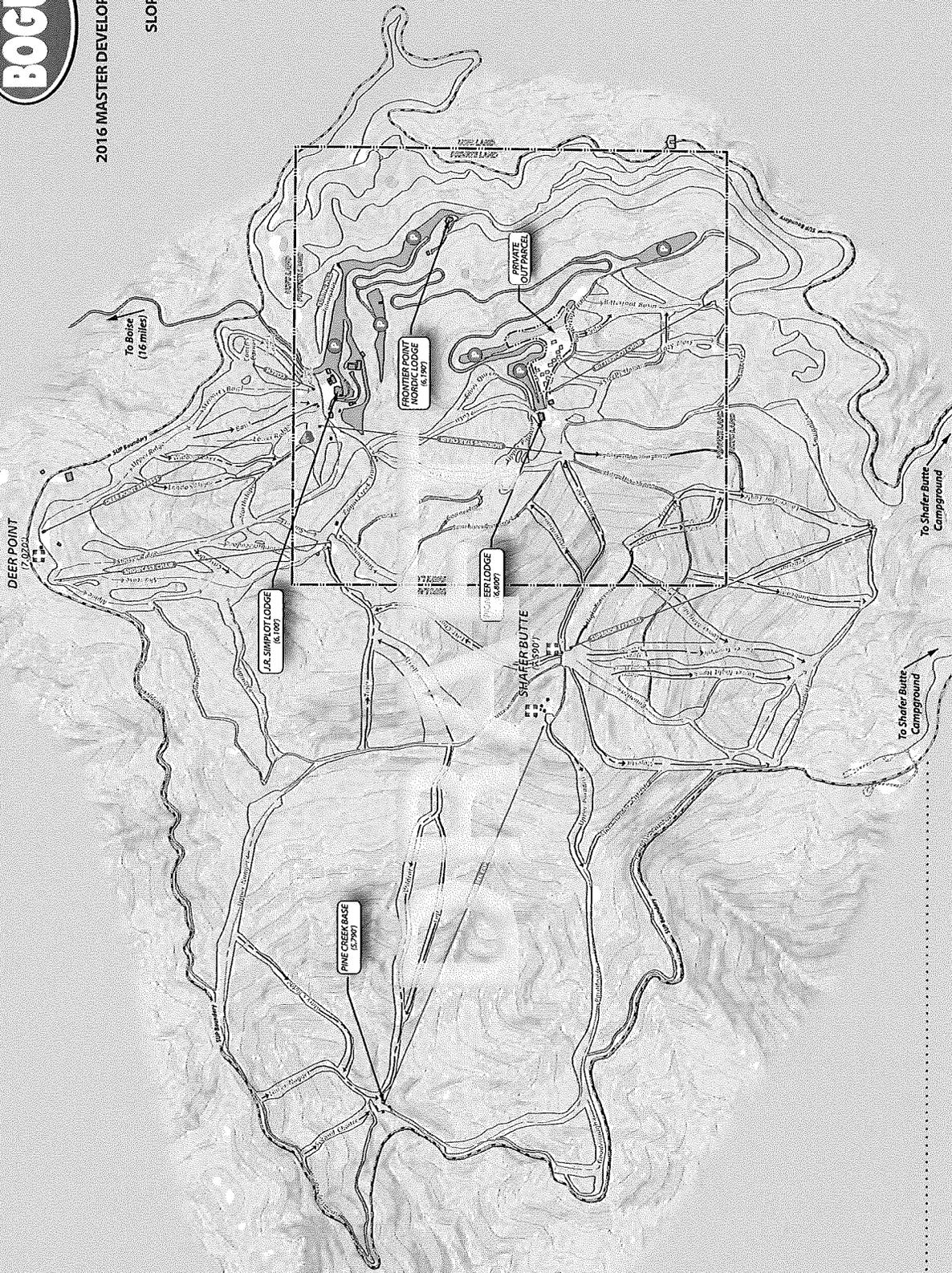






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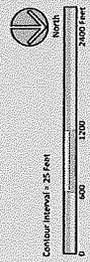
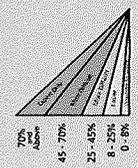
SLOPE ANALYSIS  
Fig. 1



LEGEND

- Existing Trail
- Ski Pass
- Parking Lot
- Yurt
- Existing Building
- Forest Service Road
- SUP Boundary
- Parcel Boundary
- Existing Nordic Trail
- Existing Lift
- Forest Service Road

SLOPE LEGEND



SE GROUP





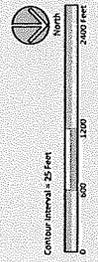
2016 MASTER DEVELOPMENT PLAN  
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SUMMER ACTIVITIES  
EXISTING CONDITIONS  
Fig. 3



LEGEND

- SUP Boundary
- Parcel Boundary
- Multi-Use, Non-Motorized Summer Trails
- Forest Service Road
- Existing Building
- Existing Trail
- Ski Patrol
- Parking Lot
- Yurt
- Amphitheater
- Existing Disc Golf Course Area
- Existing Lift - Limited Summer Operation



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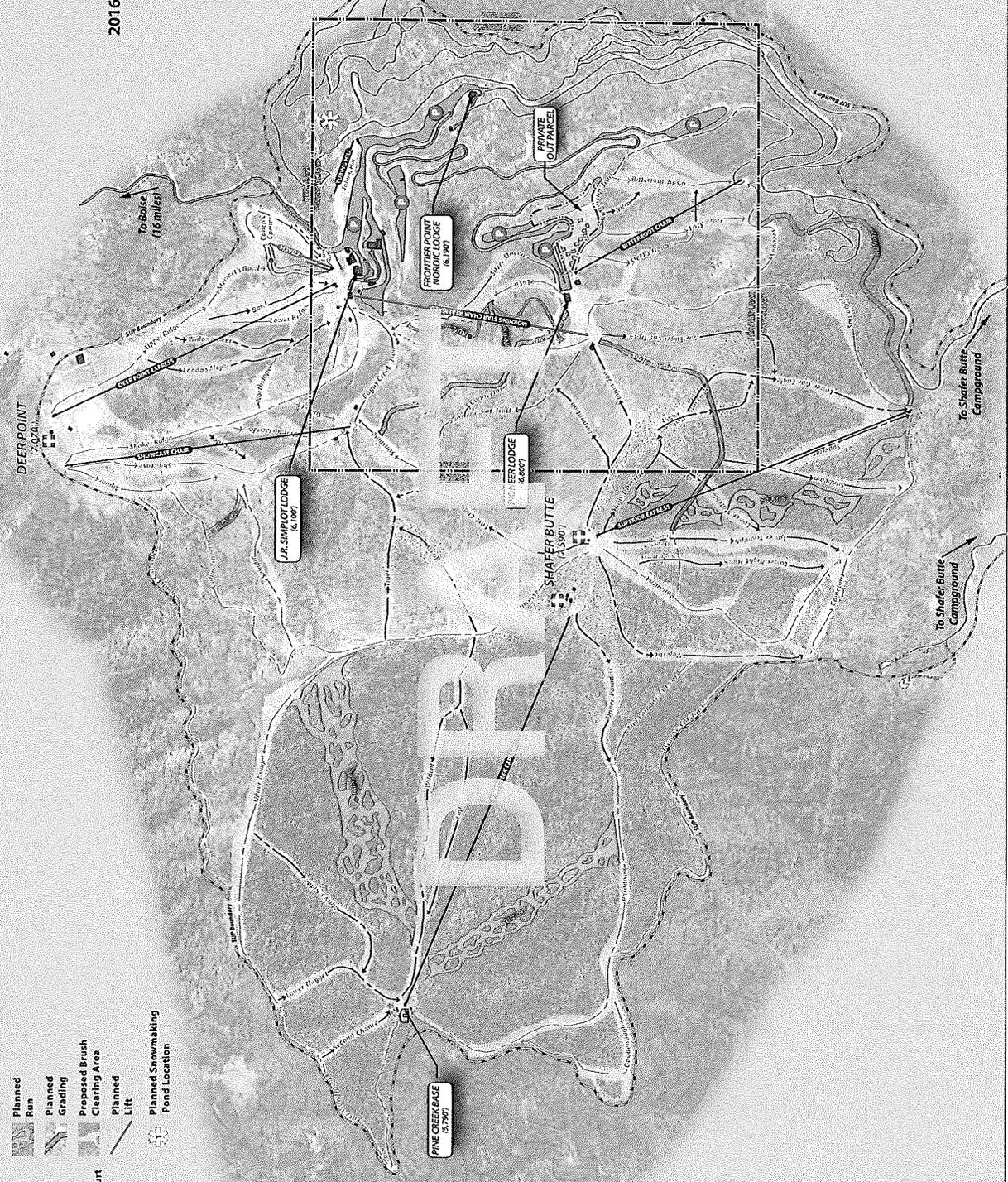


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WINTER ACTIVITIES  
UPGRADE PLAN  
Fig. 4

LEGEND

- SUP Boundary
- Parcel Boundary
- Existing Lift
- Lift To Be Relocated
- Existing Nordic Trail
- Forest Service Road
- Existing Run
- Ski Patrol
- Parking Lot
- Relocated Yurt
- Existing Building
- Planned Run
- Planned Grading
- Proposed Brush Clearing Area
- Planned Lift
- Planned Snowmaking
- Pond Location

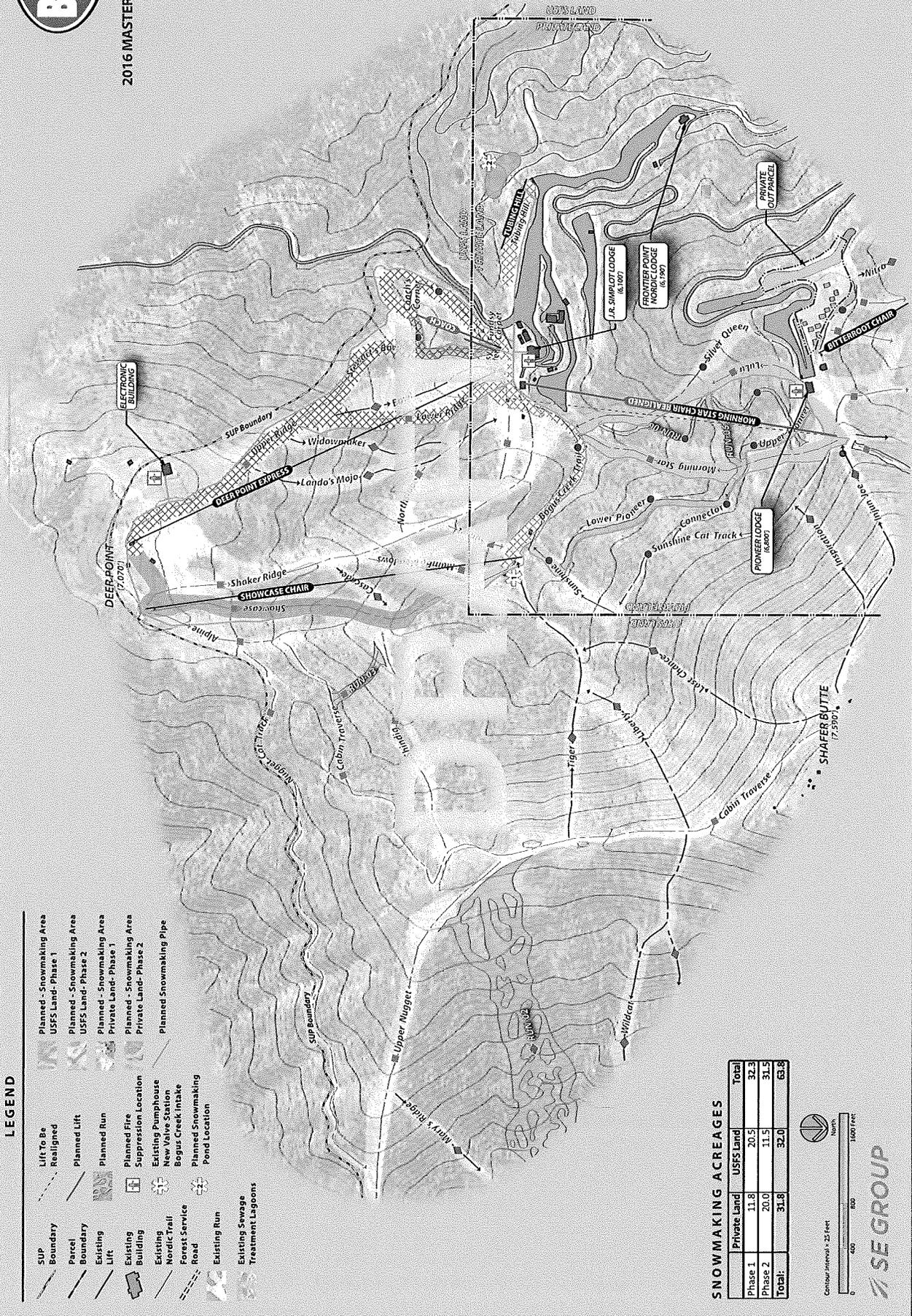


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2016 MASTER DEVELOPMENT PLAN  
JULY 2016

SNOWMAKING PLAN  
Fig. 5

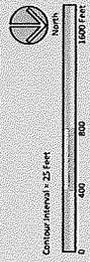


**LEGEND**

- SUP Boundary
- Parcel Boundary
- Existing Lift
- Existing Building
- Existing Nordic Trail
- Existing Road
- Existing Run
- Existing Sewage Treatment Lagoons
- Lift To Be Realigned
- Planned Lift
- Planned Run
- Planned Fire Suppression Location
- Existing Pumphouse
- New Valve Station
- Bogus Creek Intake
- Planned Snowmaking Pond Location
- Planned - Snowmaking Area USFS Land - Phase 1
- Planned - Snowmaking Area USFS Land - Phase 2
- Planned - Snowmaking Area Private Land - Phase 1
- Planned - Snowmaking Area Private Land - Phase 2
- Planned Snowmaking Pipe

**SNOWMAKING ACREAGES**

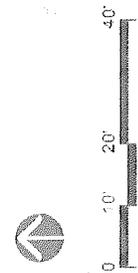
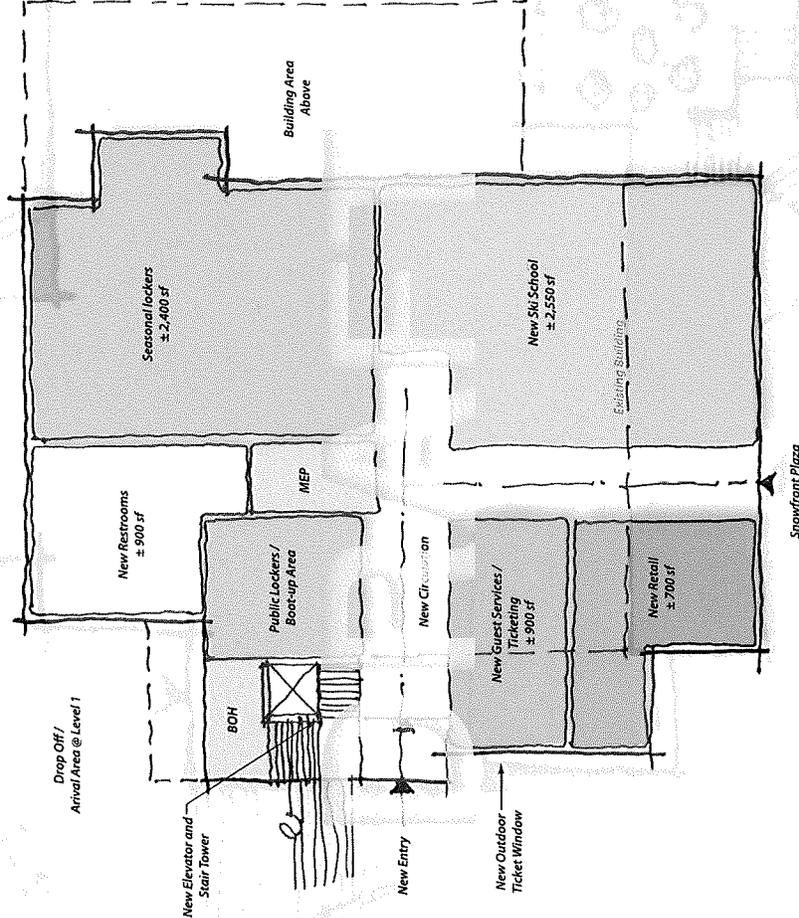
	Private Land	USFS Land	Total
Phase 1	11.8	20.5	32.3
Phase 2	20.0	11.5	31.5
<b>Total:</b>	<b>31.8</b>	<b>32.0</b>	<b>63.8</b>





2016 MASTER DEVELOPMENT PLAN  
JULY 2016

PROPOSED GUEST SERVICES  
SIMPLIFIED LODGE DIAGRAMS  
LEVEL 0  
Fig. 6

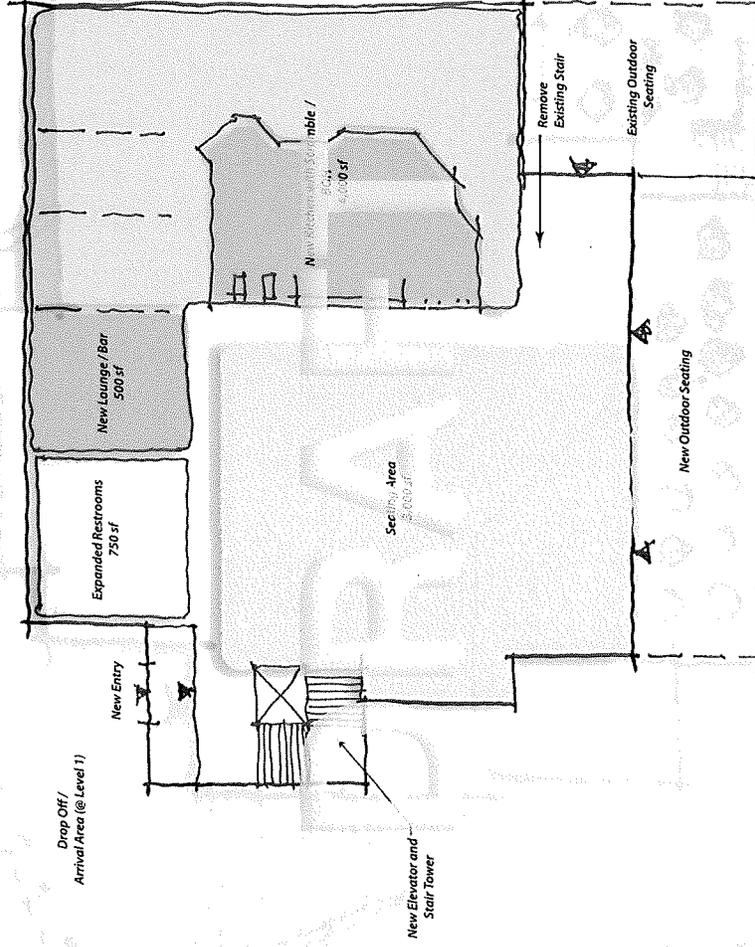


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2016 MASTER DEVELOPMENT PLAN  
JULY 2016

PROPOSED GUEST SERVICES  
SIMPLOT LODGE DIAGRAMS  
LEVEL 1  
Fig. 7

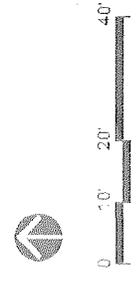
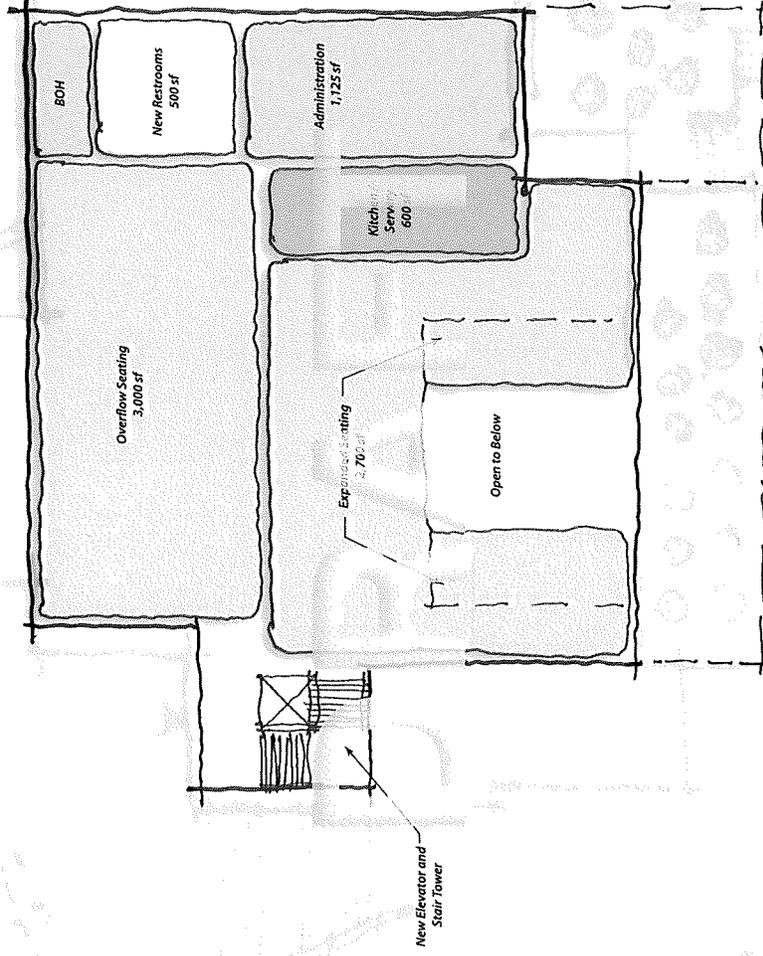


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2016 MASTER DEVELOPMENT PLAN  
JULY 2016

PROPOSED GUEST SERVICES  
SIMPLIFIED LODGE DIAGRAMS  
LEVEL 2  
Fig. 8



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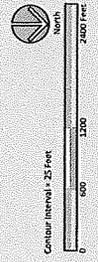
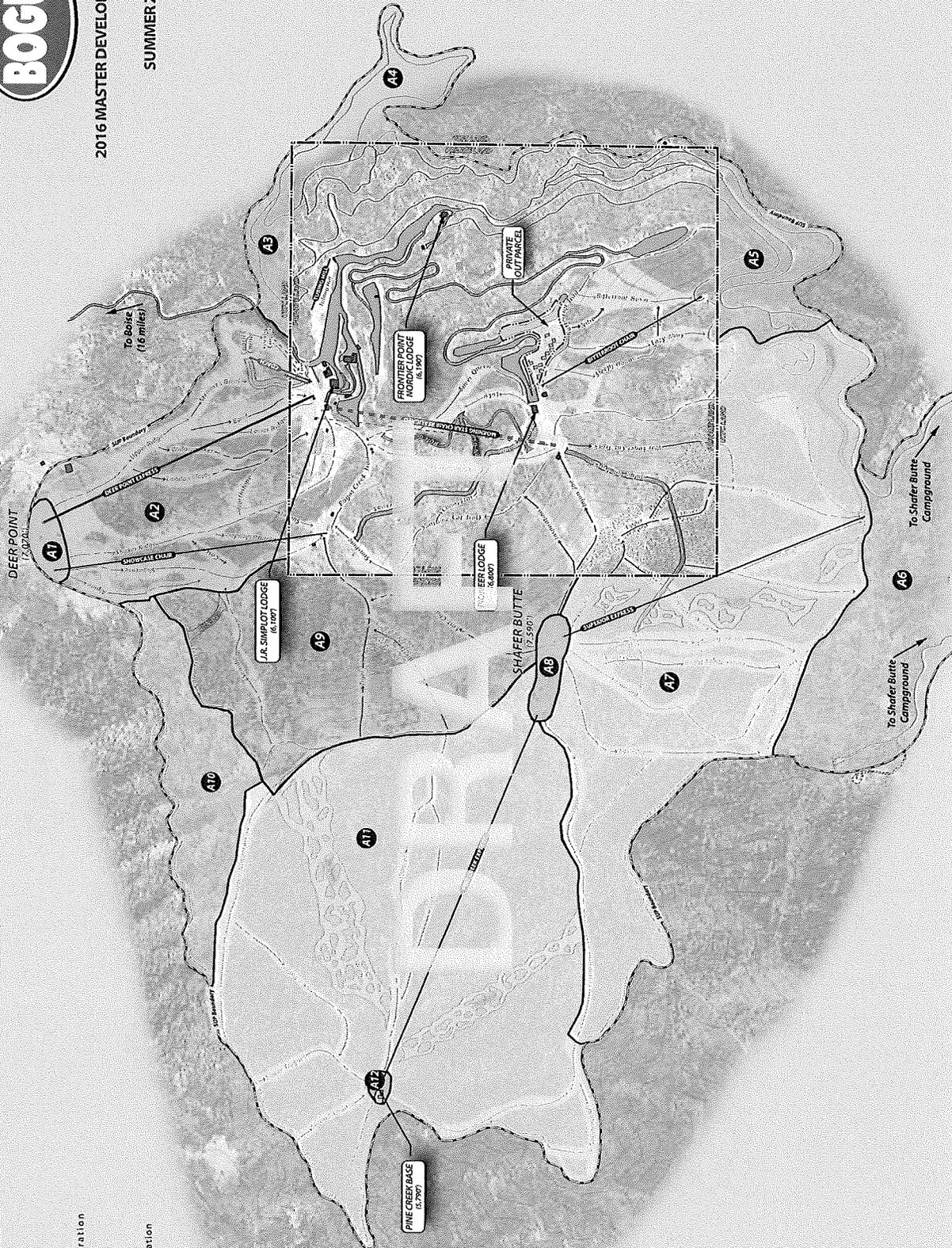


2016 MASTER DEVELOPMENT PLAN  
JULY 2016

SUMMER ZONES PLAN  
Fig. 9

**LEGEND**

	ZONE 1		Zone Identification
	ZONE 2		Existing Lift
	ZONE 3		Existing Lift Summer Operation
	ZONE 4		Proposed Lift
			Proposed Lift Summer Operation





2016 MASTER DEVELOPMENT PLAN  
JULY 2016

SIMPLIST BASE AREA  
SUMMER PLAN  
Fig. 10

