



THE SUMMIT AT SNOQUALMIE MASTER DEVELOPMENT PLAN PROPOSAL

United States
Department of
Agriculture

Forest Service

Pacific
Northwest
Region

December 2005

Draft Environmental Impact Statement

Volume 1: Chapters 1 - 3



Mt. Baker-Snoqualmie / Okanogan-Wenatchee
National Forests



View from Mt. Snoqualmie looking West at Anacostis Aerial Photo draped over 3D terrain data.

Easy Street Pod

Approximately 1.9 acres of full clearing with no grading near the bottom terminal of the proposed *Easy Street* chairlift is proposed in conjunction with realignment of the *Easy Street* chairlift. Approximately 0.9 acre of grading would be required for lift terminal construction. Proposed clearing would provide access to the bottom terminal from *Trail 27*.

Silver Fir Pod

The proposed upper terminal of the *Silver Fir* chairlift would provide access to *Trail 49* (Central-to-East Crossover). *Trail 49* would be constructed to an average width of 109 feet, with the upper portion of the trail cleared to approximately one groomer width (~ 25 feet) at the *Silver Fir* egress and south along Hyak Lake and to the powerline (see Figure 2.3.3-1). *Trail 49* would include approximately 2.7 acres of full clearing with no grading. The proposed alignment would require an SUP boundary expansion of approximately 35.6 acres in order to construct a trail with appropriate slope gradients for both skiers and snowboarders to traverse between Summit Central and Summit East. The proposed alignment would utilize existing cleared areas within Section 16, particularly clearing for the power, to descend into the proposed *Creek Run* pod.

Under Alternative 2, approximately 0.7 acre of full clearing with no grading is proposed where *Trails 23, 24, and 25* merge. In addition, approximately 0.7 acre of full clearing with grading is proposed below the merge area, adjacent to *Trail 18A* in order to reduce undulations in the existing terrain.

Approximately 1.1 acres of full clearing with no grading is proposed between the *Silver Fir* and *Central Express* pods in order to create an opening that would connect the two pods. Under the Proposed Action, *Trail 19* would begin at the upper terminal of the *Silver Fir* chairlift, descend into the *Central Express* pod, and wind back around (utilizing the proposed opening) into the *Silver Fir* pod.

Tubing Pod

No terrain modification or trail clearing is proposed within the *Tubing* pod.

Mill Creek Pod

Approximately 1.0 acres of full clearing with grading is proposed for construction of the *Mill Creek* chairlift that is proposed under Alternative 2. Under Alternative 2, four new trails would be cleared within the *Mill Creek* pod. *Trails 52A, 52B, 52C, and 52D* would include approximately 2.8 acres of full clearing with grading and 8.9 acres of full clearing with no grading. Proposed trails would be constructed to an average width of approximately 130 feet.

Easy Gold Pod

No terrain modification or clearing for trails within the *Easy Gold* pod is proposed under Alternative 2.



Creek Run Pod

Under Alternative 2, six ski trails would be cleared, including *Trail 71* (East-to-Central Crossover), within the proposed *Creek Run* pod. *Trail 55B* would be constructed to an average width of 146 feet and would include approximately 2.9 acres of glading (see Section 2.3.1.3 for a description of glading) within Section 16. *Trail 55* would utilize existing trail openings mid-trail, but would require additional clearing to continue to the upper and lower terminals of the proposed *Creek Run* chairlift. *Trail 55* would be constructed to an average width of 118 feet and would require approximately 2.0 acres of full clearing with no grading downslope of the existing clearing, and 2.9 acres of glading from the proposed upper terminal of the *Creek Run* chairlift to the existing clearings.

A wood/steel bridge would be constructed to allow proposed *Trail 55B* to cross Stream A. This bridge would be approximately 120 feet x 120 feet.

Proposed *Trail 55A* would be constructed to an average width of 123 feet. Similar to *Trails 55* and *55B*, *Trail 55A* would be gladed. However, because *Trail 55A* would be planned as the primary route to *Trail 71* (East-to-Central Crossover), a 25-foot fully cleared path would be created down the center of the proposed trail in order to provide safe access to skiers of all abilities. Beyond the 25-foot full clearance width, trail clearing would be gladed. Accordingly, approximately 2.6 acres of full clearing with no grading, 0.2 acre of full clearing with grading and 3.8 acres of glading would be for the construction of *Trail 55A* under Alternative 2.

Ski Lifts, Inc. would construct a snow bridge each year in order to allow *Trail 55A* to cross Stream A.

The proposed upper terminal of the *Creek Run* chairlift would provide access to *Trail 71* (East-to-Central Crossover). *Trail 71* would be constructed at a grade of approximately 8 percent and would be accessed via *Trail 55A*. The proposed crossover would intersect the existing power line clearing in Section 16 at elevation 3,100 feet and descend through the clearing. At approximate elevation 2,850 feet the traverse would continue towards Central through a previously uncleared area. The proposed trail would be constructed to an average width of approximately 16 feet and would include approximately 0.8 acre of full clearing with no grading within Section 16. The proposed trail would terminate at the lower terminal of the *Silver Fir* chairlift.

A wood/steel bridge would be constructed to allow proposed *Trail 71* to cross Hyak Creek. This bridge would be approximately 25 feet wide by 75 feet long. Booth Creek Resort proposes to construct a snow bridge each year in order to allow *Trail 71* to cross an additional stream south of the proposed Hyak Creek crossing.

In conjunction with proposed *Trail 71*, the existing East-to-Central Crossover trail would be abandoned and revegetated. Approximately 2.3 acres of the existing East-to-Central Crossover trail would be reforested. A 12-inch tread width would remain for mountain bike use during the summer months.

Trails 66 and 67 would be constructed to an average width of 130 and 140 feet, respectively. Similar to Trail 55, Trails 66 and 67 would utilize the existing trail network at East. Approximately 9.6 acres of full clearing with no grading would be required to extend the existing trail network to the proposed upper and lower terminals of the *Creek Run* chairlift.

Under Alternative 2, clearing for trails associated with the proposed *Creek Run* pod would include approximately 15.0 acres of full clearing with no grading and 9.6 acres of glading within Section 16.

Rampart Pod

Proposed trails within the *Rampart* pod would utilize existing openings where possible. Approximately 1.4 acres of full clearing with no grading and 0.4 acre of full clearing with grading would be necessary to construct the upper terminal of the chairlift and provide appropriate egress area to the 5 trails accessed via the proposed *Rampart* chairlift. In addition, approximately 3.7 acres of full clearing with grading and 4.8 acres of full clearing with no grading would be required to extend existing Trails 60 and 61 to the proposed lower terminal of the *Rampart* chairlift.

Under Alternative 2, approximately 1.7 acres of reforestation would occur within the *Rampart* pod.

Mt. Hyak

Proposed reforestation would modify the trail layout of trails accessed from the existing *Mt. Hyak* chairlift. (2.0 acres)

Table 2.3.3-2 provides a summary of the terrain specifications for The Summit at Snoqualmie under Alternative 2.

**Table 2.3.3-2
The Summit at Snoqualmie Terrain Specifications Under Alternative 2**

Trail #	Site	Pod Name	Vertical Drop	Slope Length	Average Width	Area	Skier Ability Level
			(feet)	(feet)	(feet)	(acres)	
1	Alpental	Armstrong	957	3,396	148	9.94	Expert
2	Alpental	Armstrong	780	2,856	153	12.99	Expert
3	Alpental	Armstrong	541	1,506	353	11.10	Advanced
4	Alpental	Armstrong	189	1,699	113	4.09	Advanced
5	Alpental	Armstrong	600	1,586	207	6.72	Expert
6	Alpental	Armstrong	548	1,693	153	5.40	Expert
7	Alpental	Armstrong	465	1,659	298	10.72	Intermediate
8	Alpental	Edelweiss	1,091	3,384	284	18.36	Expert
9	Alpental	Edelweiss	275	1,468	442	11.88	Expert
10	Alpental	Edelweiss	343	675	88	1.13	Expert
11	Alpental	Edelweiss	259	1,110	352	7.79	Low Intermediate
12	Alpental	Edelweiss	817	2,021	413	15.85	Expert

Table 2.3.3-2
The Summit at Snoqualmie Terrain Specifications Under Alternative 2

Trail #	Site	Pod Name	Vertical Drop	Slope Length	Average Width	Area	Skier Ability Level
			(feet)	(feet)	(feet)	(acres)	
20	The Summit	Silver Fir	419	1,117	160	3.70	Expert
21	The Summit	Silver Fir	573	3,258	189	13.83	Low Intermediate
22	The Summit	Silver Fir	588	1,804	207	7.84	Expert
23	The Summit	Silver Fir	329	909	112	2.12	Expert
24	The Summit	Silver Fir	510	1,505	164	5.23	Advanced
25	The Summit	Silver Fir	315	858	112	2.03	Advanced
26	The Summit	Central Express	626	3,073	296	20.08	Intermediate
27	The Summit	Easy Street	444	2,680	365	22.05	Novice
29	The Summit	Central Express	77	513	64	0.72	Low Intermediate
30	The Summit	Central Express	875	3,413	323	23.97	Expert
31	The Summit	Central Express	951	4,394	310	30.10	Intermediate
32	The Summit	Triple 60	263	1,920	161	6.62	Low Intermediate
33	The Summit	Triple 60	322	2,348	116	6.04	Novice
34	The Summit	Ski School	214	1,696	144	5.52	Novice
35	The Summit	Triple 60	308	635	108	1.35	Expert
36	The Summit	Triple 60	382	844	105	1.81	Expert
37	The Summit	Triple 60	468	1,157	71	1.71	Expert
38	The Summit	Triple 60	508	1,448	124	3.84	Expert
39	The Summit	Triple 60	702	2,436	182	9.36	Expert
40	The Summit	Triple 60	604	1,896	101	4.09	Expert
41	The Summit	Triple 60	233	2,485	35	1.93	Intermediate
42	The Summit	Triple 60	547	1,615	259	8.70	Expert
43	The Summit	Holiday	255	1,630	177	6.50	Novice
44	The Summit	Holiday	253	1,470	129	4.27	Low Intermediate
45	The Summit	Holiday	233	1,359	215	6.59	Novice
46	The Summit	Ski School	218	1,442	335	10.90	Novice
49	The Summit	Silver Fir	931	6,728	109	16.23	Low Intermediate
51	The Summit	Mt. Hyak	361	959	127	2.56	Expert
51A	The Summit	Mt. Hyak	1,090	3,470	155	11.53	Expert
51B	The Summit	Mt. Hyak	1,026	2,998	192	12.35	Expert
51C	The Summit	Mt. Hyak	262	781	259	4.40	Intermediate
51E	The Summit	Mt. Hyak	230	591	117	1.39	Advanced
52	The Summit	Mill Creek	181	1,050	187	4.43	Novice
52A	The Summit	Mill Creek	434	2,452	165	9.02	Novice
52B	The Summit	Mill Creek	479	2,065	126	5.75	Low Intermediate
52C	The Summit	Mill Creek	479	1,830	101	4.02	Advanced
52D	The Summit	Mill Creek	502	2,070	256	11.53	Intermediate
52E	The Summit	Mill Creek	197	976	100	2.14	Advanced
54	The Summit	Rampart	202	1,342	200	6.08	Novice
55	The Summit	Creek Run	580	3,038	118	8.02	Novice



**Table 2.3.3-2
 The Summit at Snoqualmie Terrain Specifications Under Alternative 2**

Trail #	Site	Pod Name	Vertical Drop	Slope Length	Average Width	Area	Skier Ability Level
			(feet)	(feet)	(feet)	(acres)	
55A	The Summit	Creek Run	385	2,511	123	6.91	Low Intermediate
55B	The Summit	Creek Run	207	954	146	3.12	Low Intermediate
56	The Summit	Rampart	204	1,072	151	3.63	Low Intermediate
58	The Summit	Rampart	754	2,018	120	5.14	Advanced
59	The Summit	Rampart	939	2,926	215	13.59	Advanced
60	The Summit	Rampart	658	2,373	191	9.85	Intermediate
60A	The Summit	Rampart	215	694	249	3.71	Intermediate
60B	The Summit	Rampart	137	440	132	1.26	Low Intermediate
61	The Summit	Rampart	599	3,005	154	10.31	Low Intermediate
62	The Summit	Rampart	156	1,213	108	2.89	Novice
63	The Summit	Rampart	392	2,085	153	7.15	Low Intermediate
65	The Summit	Rampart	283	738	172	2.63	Advanced
66	The Summit	Creek Run	703	4,138	127	11.84	Novice
67A	The Summit	Creek Run	189	1,034	137	3.20	Low Intermediate
67B	The Summit	Creek Run	181	878	92	1.80	Novice
68	The Summit	Easy Gold	316	1,544	388	13.39	Low Intermediate
71	The Summit	Silver Fir	254	2,250	15	4.31	Novice
Subtotal						599.18	
Total						816.43	

Table 2.3.3-3 provides a summary of trail construction and ground disturbance activities under Alternative 2.

**Table 2.3.3-3
 The Summit at Snoqualmie Trail Construction and Ground Disturbance Under Alternative 2**

Trail #	Full Clearing w/ Grading	Full Clearing w/ No Grading	Glading	Blasting	Pod
	(acres)	(acres)	(acres)	(acres)	
1	0.10	0.21			Armstrong
2	0.16	0.16			Wildside
12A		0.02			Northside
13B	0.19	2.96			Julie's chair
16	0.01				Wildside
18	0.75				Silver Fir
19		1.14			Silver Fir
20				0.75	Silver Fir
21		0.26			Sessel