



NORDIC VALLEY
SUN | SNOW | FAMILY | ADVENTURE

INITIAL MOUNTAIN DEVELOPMENT
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Scale: 0 160 480 800
What's the scale?

- General Comments**
- All this info on one map is confusing, perhaps put on multiple maps (for example)
 - Grading & Drainage
 - Roads & Trails
 - Winter Active Facilities
 - Summer Active Facilities
 - Utilities
 - Parking expansion
 - Locations of:
 - Buildings
 - Decks
 - Towers
 - How are you resolving the
 - Water & sewer issues
 - Buffering between proposed new ski runs and the existing residential homes
 - Timing for improvements?
 - Details for improvements
 - Structures
 - Towers,
 - Decks
 - Stage
 - Road cuts
 - Stream crossings
 - Retention/Detention
 - Stream Corridor Protection
 - Engineering on all cuts & fills
 - Re-vegetation Plans
 - Landscaping around
 - Buildings
 - Towers,
 - Decks
 - Parking issues
 - Current lot,
 - Drop off area
 - Future expansion
 - Zip line corners? How does zip lines turn corners?
 - Any expansion in Forest area?
 - Lighting for new ski runs
 - Signage?
 - Snow making machines
 - Maintenance buildings, outdoor storage

NORDIC VALLEY, DRAFT UPHILL/ DOWNHILL CAPACITY ESTIMATES
Prepared for Conditional Use Permit

LIFT IDENTIFICATION Type	Existing Area					Phase 1: on Private Land					Interim		Total		
	Magic Carpet-1	Lift 2 Triple	Lift 3 Double	Lift 3 Lw 2	Existing 2013/14	Carpet-2	Magic Remove	Lift 3 Triple	Lift A Platter	Lift B Double	Lift C Quad	2016			
PARTICIPATED USE (%)															
% First Practice	70%	0%	0%	0%	0%	0%	70%	0%	0%	0%	0%				
% Beginner	0%	60%	50%	40%	5%	0%	0%	5%	20%	5%	0%				
% Intermediate	0%	10%	15%	25%	40%	0%	0%	40%	40%	35%	50%				
% Advanced	0%	0%	2%	10%	30%	0%	0%	30%	20%	40%	30%				
% Snowboarder	30%	30%	30%	25%	25%	40%	30%	25%	20%	20%	20%				
LIFT DATA (see map)															
Bottom Elevation ft	5365	5375	5385	5370	5370	5600	5365	5370	6740	5600	6250				
Top Elevation ft	5385	5680	5610	5830	6320	7100	5385	6320	7090	6820	7100				
Vertical ft	20	305	245	460	950	1500	35	950	350	1220	850				
Horizontal ft	200	1680	1275	1255	2745	7400	300	2745	975	3415	2360				
Lift Slope avg %	10.0	18.2	19.2	36.7	34.6	20.3	11.7	34.6	35.9	35.7	36.0				
Length ft	201	1707	1298	2905	6112	7550	302	2905	1036	3626	2508	7171	13282		
Design Capacity p/h	500	1500	900	1000	1000	40	500	1800	800	1200	2000				
Rope Speed fpm	100	475	475	450	450	200	100	450	400	475	475				
HP-estimate	3	75	50	138	266	138	5	-138	236	58	304	229	688	953	
VTF million p-ft/h	0.01	0.46	0.22	0.46	0.95	2.098	0.06	0.02	-0.95	1.71	0.28	1.46	1.70	4.204	6.302
OPERATIONS DATA															
Open hours VTF/h	7.5	7.5	7.5	7.5	7.5	6	7.5	7.5	7	7.5	7				
Efficiency (day-ave)	0.70	0.70	0.71	0.30	0.55	0.70	0.70	0.85	0.70	0.70	0.70				
VTF/day million	0.053	2.402	1.174	1.035	3.919	8.582	0.150	0.092	-3.919	10.901	1.372	7.866	0.150	16.191	24.773
DISTRIBUTION															
% Active Skiers+Riders	70	70	72	75	75	72	75	75	75	75	70	73			
Ave Dispatch (p/min)	5.83	17.50	10.65	5.00	9.17	0.47	5.83	25.50	9.33	14.00	23.33				
Uphill Time (min)	2.01	3.59	2.73	2.79	6.45	37.75	3.02	6.45	2.59	7.63	5.29				
Ave Dk Time (min)	1.4	8.7	6.1	0.0	9.9	22.7	2.2	9.9	3.9	11.8	8.4				
Design Queue (min)	0	2	2	5	5	2	2	5	5	5	0				
...on Lift	12	63	29	14	59	17	18	-73	165	24	107	123	346	523	
...on Trails	8	152	65	0	91	316	11	13	-91	252	38	164	195	557	872
...waiting	0	35	21	25	46	127	2	0	-71	128	47	0	103	250	
Active Skiers+Riders	20	250	115	39	186	620	30	30	-234	544	107	271	318	1006	1625
Inactives	8	107	45	13	85	239	10	13	-78	181	30	90	130	385	604
CCC (SSAOT)	30	355	160	53	262	860	411	44	-315	725	144	363	455	1373	2234
Ave VTF Use (ft / day)	1769	6758	7337	19558	14972	9982	3681	2084	15030	9548	21198	330	11791	11059	
Historic VTF Use	4750	7700	8550	9450	12600	14800	4750	12600	11200	13350	12600				
Hours to get VTF/h	5.98	5.27	5.40	5.52	5.01	2.68	5.14	5.53	5.22	5.62	0.69				
Active Density	30	24	22	20	14	32.1	13	30	14	16	12	12			
Min. groomed acres	0.7	10.5	5.2	2.0	14.3	32.1	2.4	1.0	39.9	6.8	22.1	25.7	94.6	127	
SKIERS COUNT total															
Beginners and F.P.	21	213	80	21	13	860	0	31	-13	36	29	18	0	418	2296
Intermediates	0	36	24	13	105	177	0	0	-105	290	57	127	228	597	775
Advanced Skiers	0	0	8	5	79	92	24	0	-79	218	29	145	137	449	541
Snowcenters	6	107	48	13	85	242	16	13	-85	181	29	73	91	308	550

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WINTER SPORTS FACILITIES

- Existing Uphill Facility
- Existing Ski Trail: cL
- Existing Trail Lighting
- Existing Snowmaking Line
- Existing Power and Utility Line
- Existing Service Road
- Existing Bike or Hiking Trail
- USFS Multipurpose Trail

SUMMER SPORTS FACILITIES

- New Mountain Utility Line
- New Service Road
- New Chair / Platter lift

OTHER IMPROVEMENTS

- Bike Trail
- Multi Purpose Trail
- Gravity Coaster
- Zip Line

Legend is incomplete. Many things appear on map that are not mentioned in Legend.

There is no connectivity between Existing ski runs and Proposed new ski runs

Please submit a MASTER PLAN of the entire development, including any potential buildings.