

# Snowbasin 5



## Base Lodges and Parking

In the first phase of development, the Master Plan proposes to build a new day ski center and expanded parking near the base of the Littlecat Chair, at the 6,400 foot elevation. Details of the developments are shown in Figure 15 and described in the Base Area section.

## On-Mountain Skier Service Facilities

Figure 12, which illustrates the Phase 1 development, shows a mountain restaurant to be constructed at the top of Middlebowl and Lift 8. This building will contain food service space, restroom facilities and a Ski Patrol/First Aid facility. It also identifies Ski Patrol facilities at the top of Strawberry and John Paul as well as restroom facilities at the bottom of Strawberry. These facilities are described in more detail in the Base Area section.

## Infrastructure

Infrastructure needed for the Phase 1 development is detailed in Section IX of this report.

## Olympic Facilities

In addition to the lift, trail, snowmaking, lodge and infrastructure developments Snowbasin will have to install a number of facilities in order to hold the Olympic Downhills in 2002 and the pre-Olympic World Cups in 2000 and 2001. Some of these facilities will be part of their every day operation, others will be useful when Snowbasin holds subsequent downhill and Super G races. Many of the Olympic facilities will be temporary and as such will be located on permanent facilities such as parking lots or future building sites. These facilities are described in more detail in the Olympic Facilities section of this report.

## Snowmaking

Snowbasin intends to install snowmaking in the first phase of development to ensure optimal snow conditions in select zones for the entire ski season. The primary concern for snowmaking is to provide early season snow on some of the low elevation, high

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traffic areas and to provide snowmaking on the Olympic competition trails. These zone of snowmaking coverage are shown in Figure 14. The lower mountain snowmaking coverage will allow Snowbasin to operate with excellent skiing when the "snow-line" is a little higher than the base area and to provide limited operations when the overall snow cover is thin. Areas of high skier traffic will be able to be replenished with snow to eliminate potential bare spots and to improve the skiing surface. The snowmaking on the Olympic runs will ensure the best conditions possible for presentation to the World during the pre-Olympic World Cups which will be held in late November or early December and during the 2002 Olympic competitions. The snowmaking on the Olympic courses as a requirement of the Olympics.

Water for snowmaking will be acquired from several sources including several springs scattered throughout the area, melting snowpack in the springtime, well water and Wheeler Creek. This water will be stored in two water reservoirs as identified on the Snowmaking map as the Cirque Reservoir (in the upper reaches of Middlebowl) and one located on private land within the base area. Exact capacities of these reservoirs are yet to be determined by the snowmaking consultants but will likely have a combined capacity in the range of 200 acre feet. As shown in Figure 14, two pump/compressor stations are planned for the development, one in the main base and one near the top of Wildcat. Preliminary planning determined that one pump station may be needed and will be located with the compressors in the main base. Depending on the detailed design of the snowmaking system, another pump station may be required at mid mountain. In order to make snow more efficiently the water should be cold, therefore cooling towers may be necessary, and would be located outside the lower compressor/pump station.

All areas covered by snowmaking (as shown in Figure 14) will require underground services in the form of water pipe, air pipe, electrical cable and communication cables as well as permanent above ground installations such as hydrants, automatic weather stations and several towers for snowmaking guns.

The snowmaking coverage is divided into 3 zones on the mountain. The Olympic Downhill, Combined Downhill and Super G courses for both Men and Ladies encompass a total of 90 acres of terrain. Lower mountain ski trails total approximately 85 acres of coverage. The lower mountain coverage provides essential ski egress through high traffic areas. The upper mountain ski trails require approximately 65 acres of coverage. These upper mountain trails are also critical to provide ski access from lift 8 to the bottom of the Mt. Ogden Bowl Lift and, therefore, access to the Olympic race courses.