A GIS Site Exploration to Locate Washington's Next Ski Resort

Prepared by: Mark Raleigh, Allied Alpine Engineers, Inc.

Prepared for: Team Zurshaus, LLC & CEE 424

Presented on: December 7, 2007

Objective

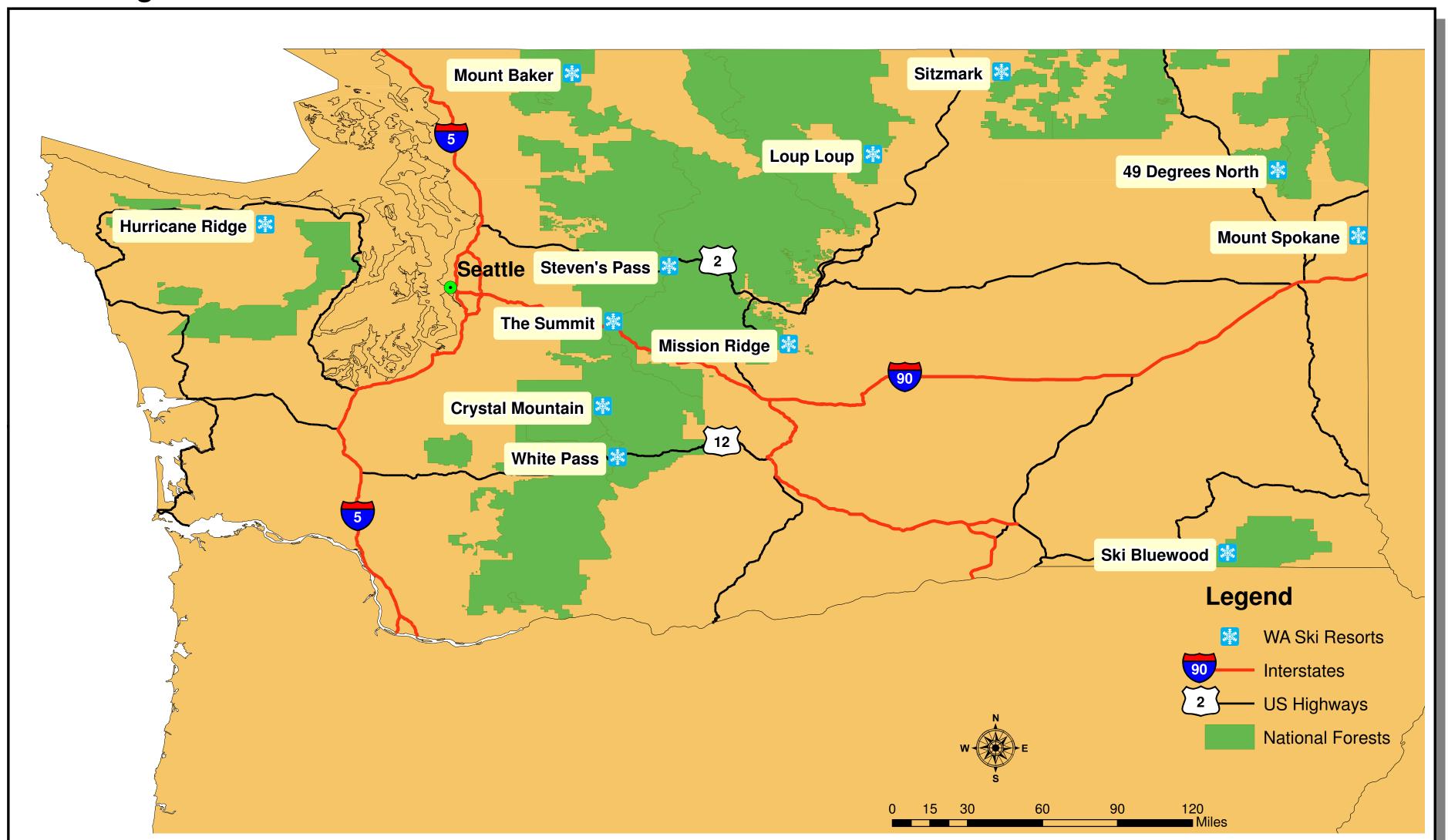
Team Zurshaus, LLC has selected Allied Alpine Engineering, Inc. to conduct a study to recommend strategic locations for a new ski resort in the State of Washington. Allied Alpine Engineering has utilized ArcGIS to investigate a potential site that conforms to specifications provided by Team Zurshaus.

Proximity: Within 125 miles of Seattle Location: On National Forest Land Access: Off major US Interstate or Highway & Based within 5 MI of the highway to reduce new road construction Neighboring Resorts: No closer than 10 miles Max Monthly Temperature: Coldest available to preserve snow & to ensure long-term vitality with regional climate change Annual Snowfall: Minimum 200 inches

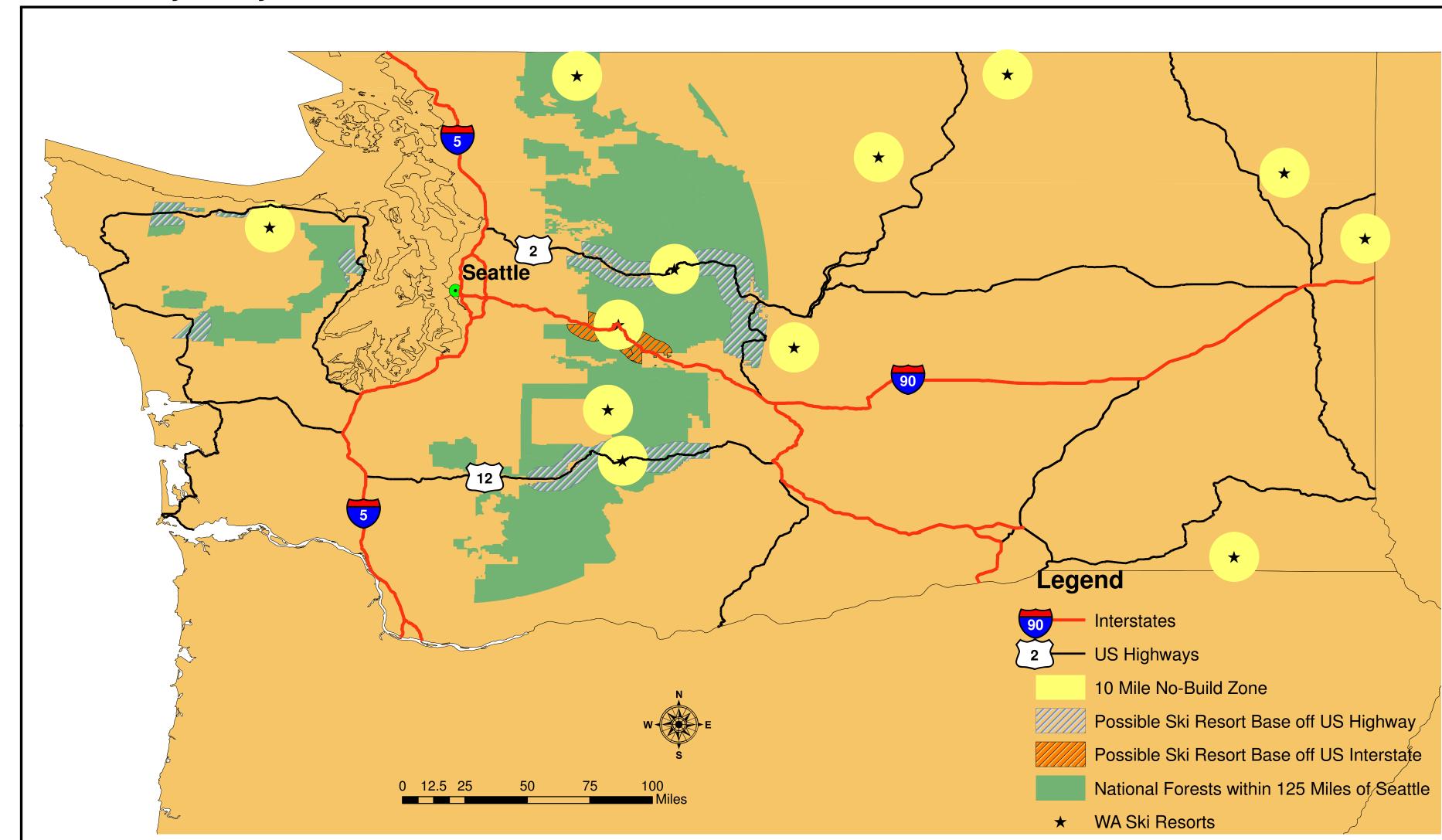
Slopes: Diversity of slopes for skiers of all abilities

Vertical Rise Potential: Minimum 2000 ft

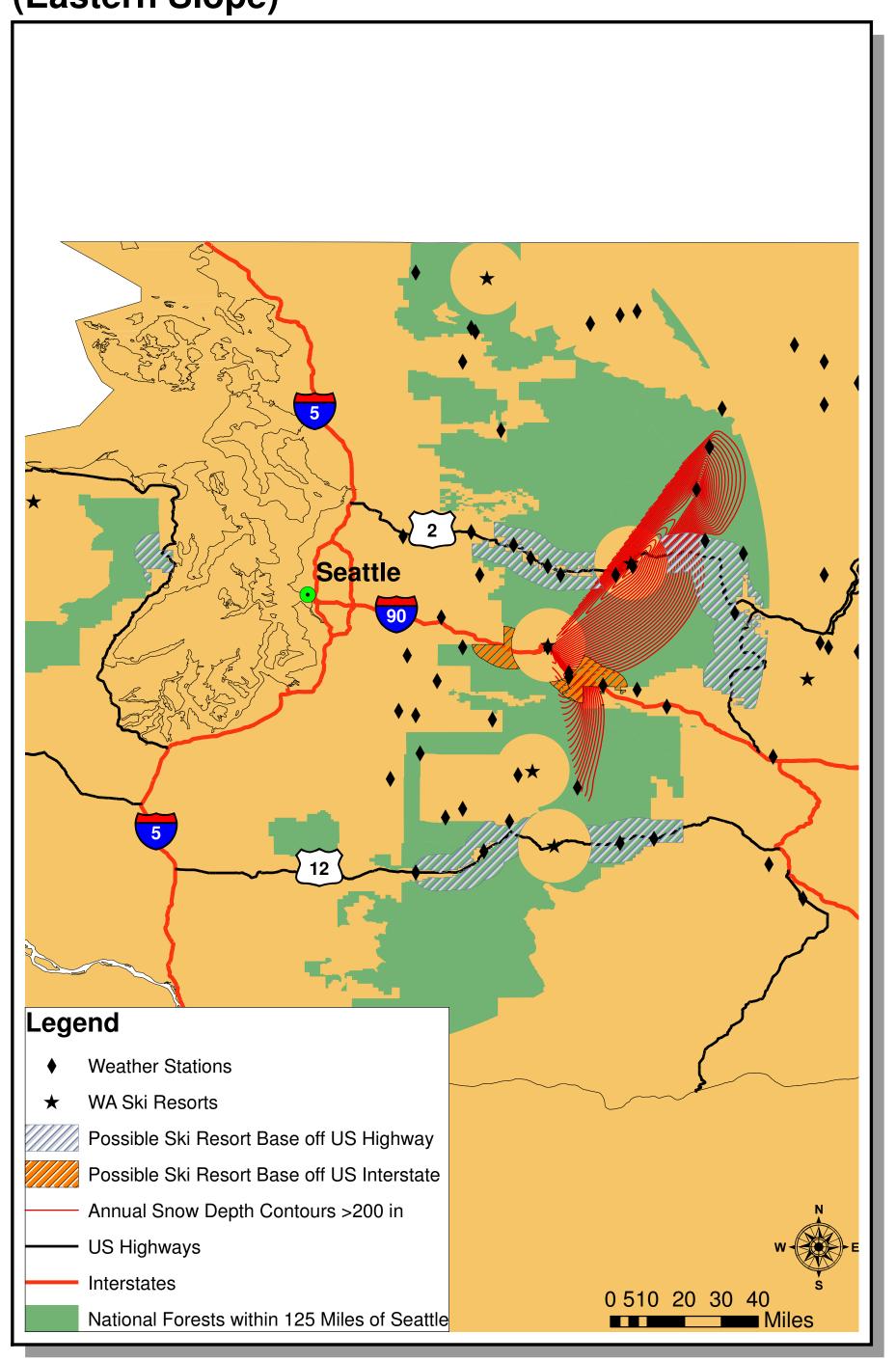
1. Existing Conditions

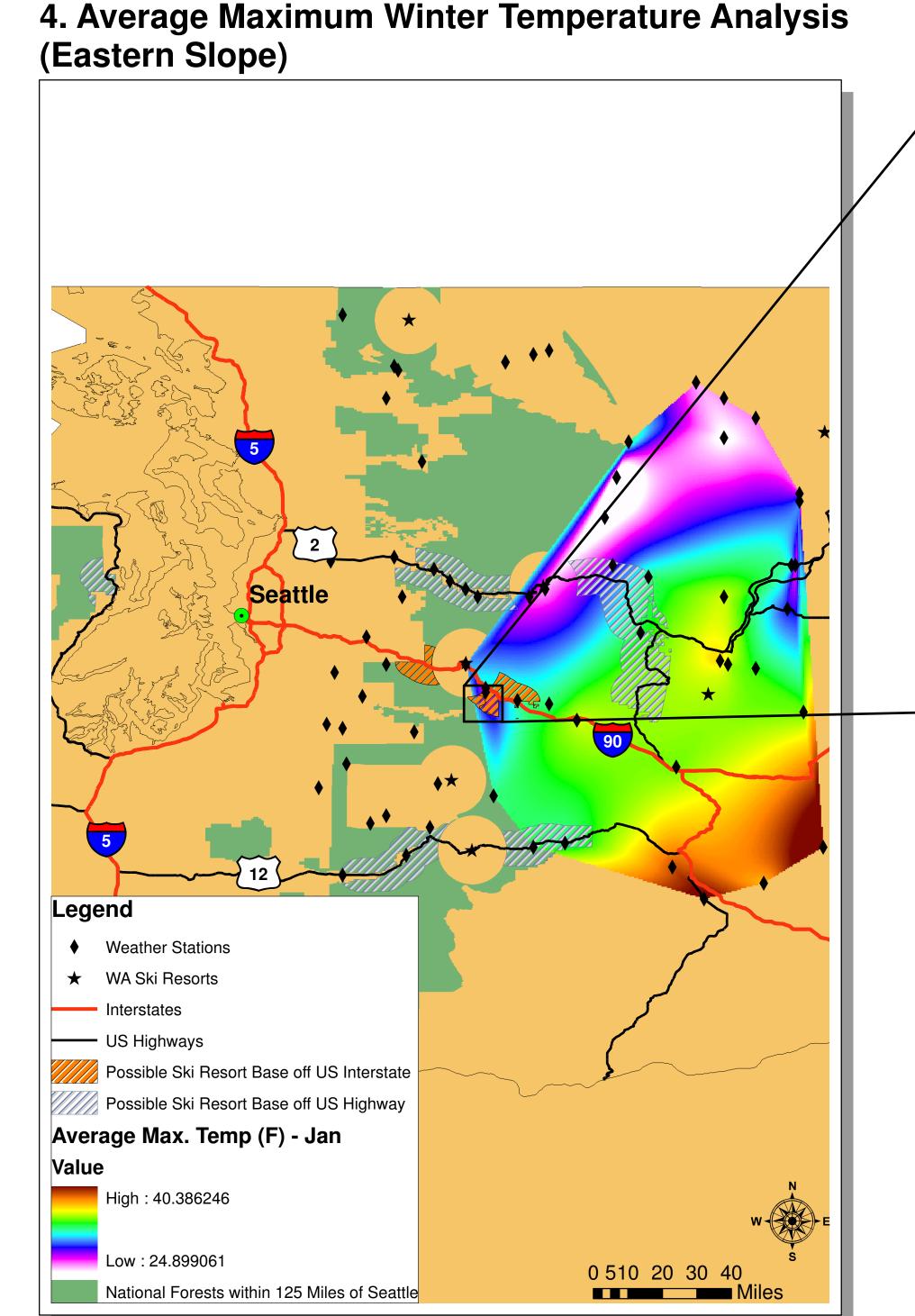


2. Proximity Analysis



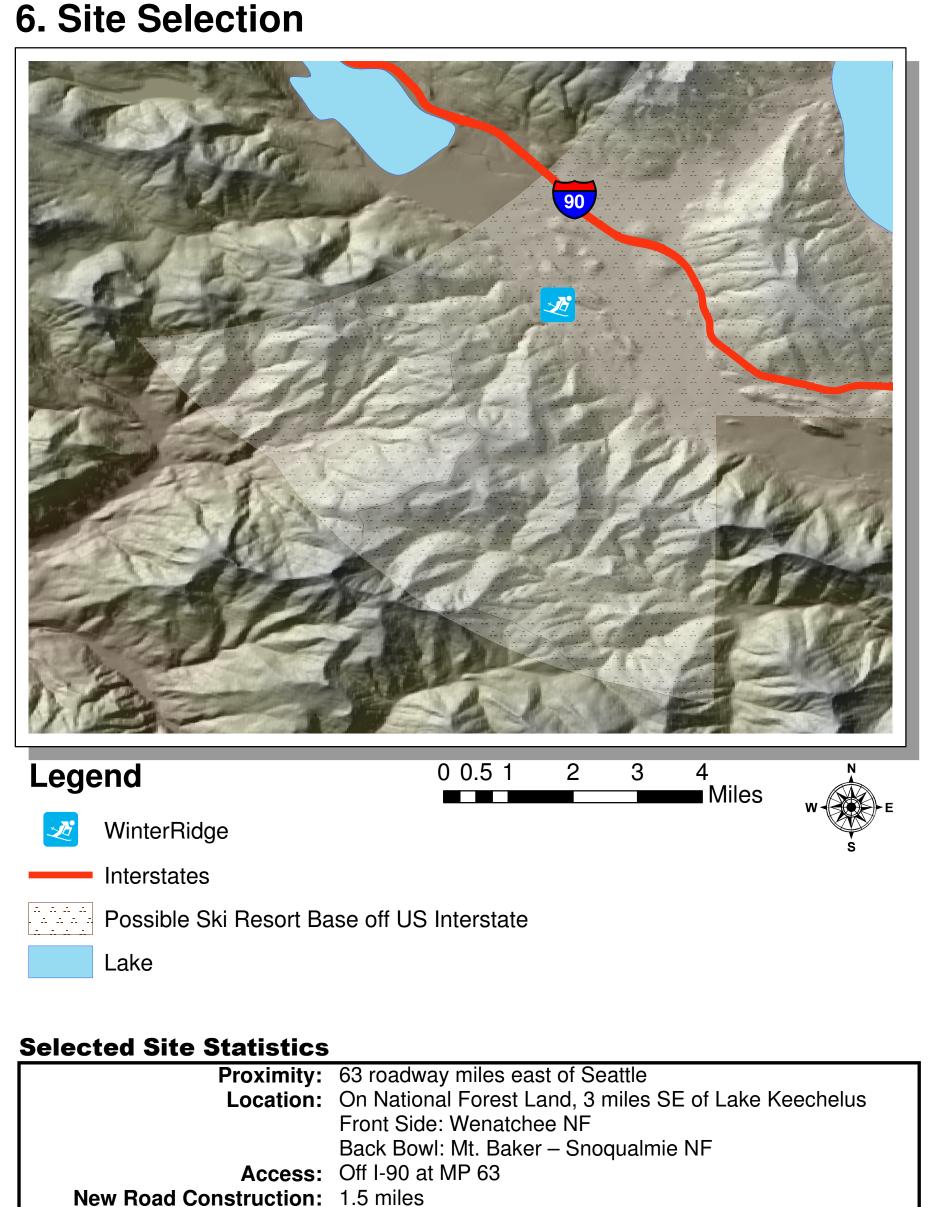
3. Average Annual Snowfall Analysis (Eastern Slope)





5. Terrain Slope Analysis Legend O 0.5 1 2 3 4 Miles WinterRidge Interstates Possible Ski Resort Base off US Interstate Slope Range <VALUE> O% - 5% 5% - 25% 25% - 40%

> 80%



Closest Resort: The Summit (~11 miles)

Average Max Temperature: 30.6°F (Dec), 29.5°F (Jan)

Annual Snowfall: 350 in - 400 in

Orientation: North by Northeast facing slopes

Vertical Rise: 2290 ft from base to summit

Slopes: Diversity of slopes

WinterRidge

Coordinate System / Projection (all maps): GCS North American 1983 HARN Sources: USGS, WSDOT, Western Regional Climate Center, Google Earth