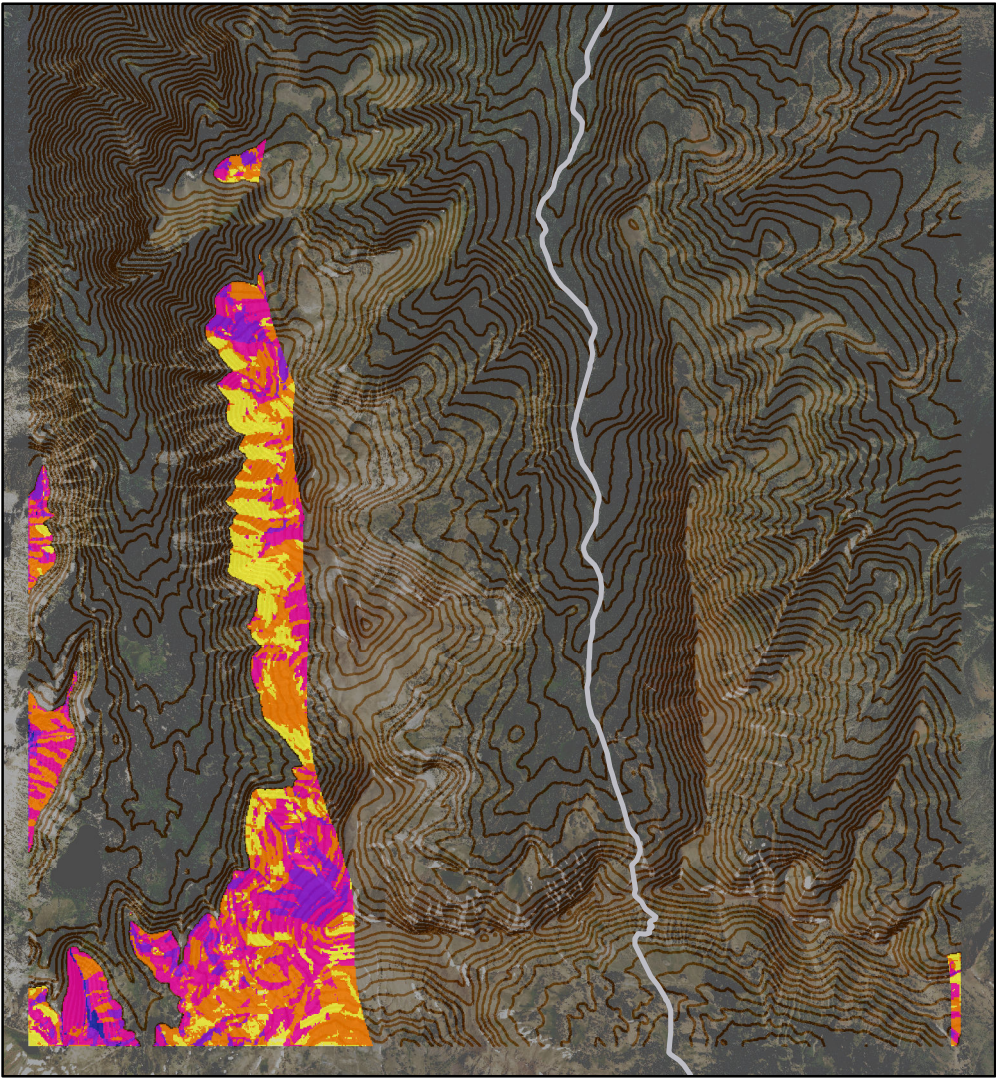


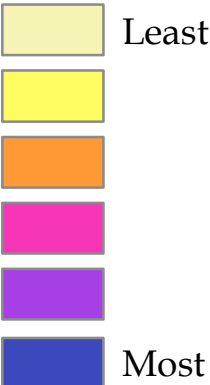
Eagle Cap Wilderness Area

Wolverine Dens in McCully Basin - Comparison of Analysis Models

Cartographer: Theodore Lessman

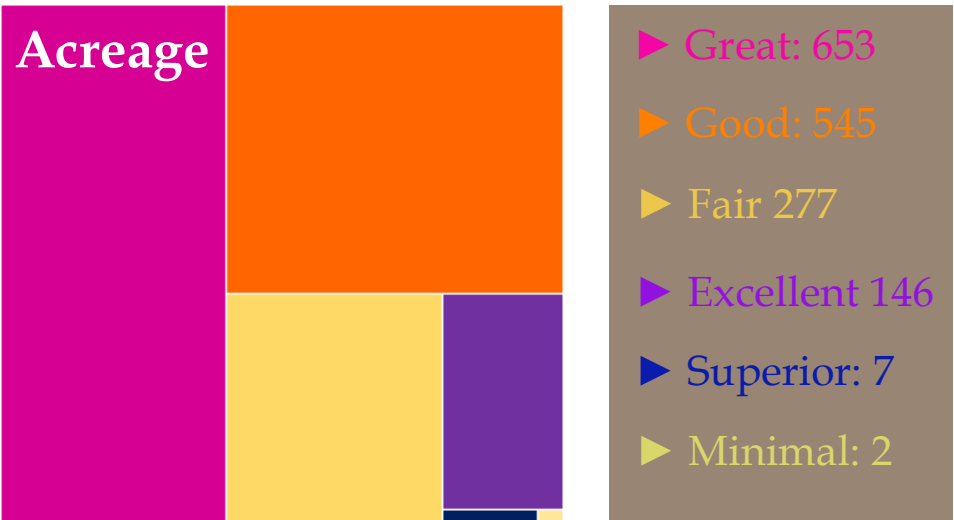
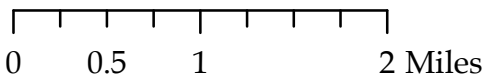


Habitat Suitability



McCully Trail —
Elevation Contour —

Suitable



Data Source: Dr. Nick Kohler, University of Oregon

Weighted Overlay Analysis
Suitable Acreage: 1477

The ideal location for a wolverine habitat will be situated remotely at high elevations with snowy rugged landscapes. This model was constructed with the following denning assumptions and weights::

- prefer N/NE aspect (20%)
- minimum distance to trail 1.5 mi (10%)
- elevation no lower than 8000 ft (10%)
- alpine preferred or suitable subalpine habitats (30%)
- sloped landscapes between 10 and 30 degrees (30%)



Boolean Selection Analysis
Suitable Acreage: 987

Wolverine denning requires snowy regions in higher elevations a safe distance from the trail. This model follows the following minimum requirements:

- at least 1.5 mi from trail
- within suitable alpine or subalpine zones
- elevation at least 8000 ft