

Delineating Wildlife Habitat in Montana



Topic: Environmental management, conservation biology

Problem Statement: Effective relocation of Rocky Mountain Bighorn Sheep requires knowledge of habitat needs.

Level: Intermediate to Advanced

Software: ArcGIS, Spatial and 3D Analyst, ENVI

Description: In a project to capture and transport Rocky Mountain Bighorn Sheep from overstocked areas to new locales, the Bear's Paw Mountains of North Central Montana was chosen as one of the regions for potential stocking. Before the actual transplant occurs, a map must be produced to show and quantify the extent of and spatial relationships among preferred slope, plant cover, forage, and escape habitat.

Keywords: DEM, Slope, Aspect, Wildlife Habitat, NDVI



BIGHORN SHEEP RANGES IN BEAR'S PAW

