



From Springer Mountain, Georgia

# GIS and The Appalachian Trail

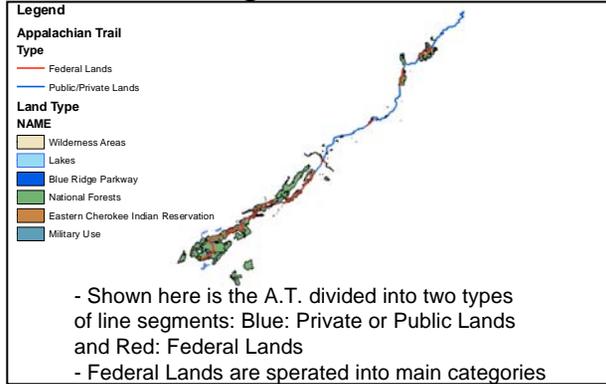
## A regional and local view

GIS is being used to map the present day Appalachian Trail. Mapping extents include The ability to locate the nearest trail shelter, elevation development, or spatial bearing



To Mount Katahdin, Maine

### Regional View



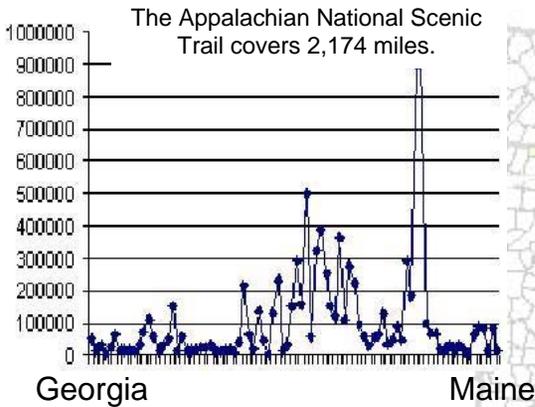
The Pinnacle

### Local View



-GIS use can identify coordinate points along the trail to map trail shelters. Hikers then can use GPS to determine distance to the closest shelter. Shelter information can include Name of location, lodging, or Closest spring water source.

### Population across the Appalachian Trail



-GIS data can be downloaded onto a GIS program such as ARCGIS or a GPS device and a spatial image can be shown anywhere, anytime.

-The A.T. intersects with 86 counties across the eastern U.S. A simple query in ARCGIS produces these within seconds.

-Digital postboards could receive messages from personal GPS devices warning other hikers of animal sitings or of emergencies.

Here a line segment of the Appalachian Trail and a point of Windsor Furnace Trail Shelter were laid on top of a 3 dimensional DEM of a portion of Berks County near Hamburg, PA

