

List of Spatial Data and Map Templates (February 2006)

White Mountains Landscape Assessment GIS Data CD

The Forest Ecosystem Restoration Analysis project (ForestERA, www.forestera.nau.edu) acquired and developed the following spatial data layers for use in the White Mountains Landscape Assessment (WMLA). These layers together with metadata describing the contents and various attributes of the data are included on the White Mountains Landscape Assessment (WMLA) GIS Data CD. See the README file for a complete description of the CD content, recommended data citation and explanation of data use.

Communities & Infrastructure

- Development
- Major Highways
- Power lines and Communication Towers
- Roads
- WUI Areas: CWPP and ASNF

DEM Derivatives

- Aspect
- Elevation (feet & meters)
- Hillshade
- Slope (percent & degrees)

Fire

- ASNF Fire Management Units
- Fire History
- Fire Regime Condition Class
- ForestERA Crown Fire Behavior
- ForestERA Fire Hazard
- ForestERA Fire Risk – (Non PJ Forest only)
- ForestERA PJ Fire Threat – (PJ only)

FlamMap Inputs

- ForestERA Crown Base Height
- ForestERA Crown Bulk Density
- ForestERA Fuel Models
- ForestERA Stand Height

Management

- Administrative Boundaries
- Community Wildfire Protection Plan (CWPP) \ Treatments and Priority Areas
- Old Growth Management Areas
- Treatments \ Planned White Mtn. Stewardship Treatments and ASNF Historic Fuel Treatments

Miscellaneous

- ASNF Terrestrial Ecosystem Soils Dataset
- Climate: Annual Precipitation
- Land Owner
- Mollisol Soils
- NoData_Masks
- Specially Designated and Inventoried Roadless Areas
- Insect and Drought Related Tree Mortality
- Wood Products
- WMLA Boundary

ArcGIS 9.x Map Templates (MXD)

- WMLA Map Data
- WMLA Map Template

Recreation

- ASNF OHV Roads
- ASNF Recreation Opportunity Spectrum
- ASNF Recreation Sites
- ASNF Trails

Vegetation

- Canopy Cover Changes From Fire
- ForestERA Basal Area (non-PJ Forest only)
- ForestERA Canopy Cover
- ForestERA Quadratic Mean Diameter
- ForestERA Tree Density (non-PJ Forest only)
- Landsat Boundary
- NoData Masks_CC
- Orthoimagery Dates
- SWReGAP Vegetation Type (modified)
- TNC Grassland Assessment
- USFS Stand Exam Data (exam dates, basal area, stem density, VSS)

Watersheds

- ADEQ Impaired Waters
- ForestERA Erosion Potential
- ForestERA Sedimentation Potential
- Rivers, Streams and Springs
- Waterbodies
- Watershed Boundaries (4th, 5th & 6th code)

Wildlife

- ForestERA Avian Richness Index (PIPO Only)
- ForestERA Black Bear Habitat Areas
- ForestERA Forage Potential
- ForestERA Goshawk Nesting Habitat Model
- ForestERA Pronghorn Habitat Suitability
- ForestERA Red Squirrel Habitat Suitability
- ForestERA Tassel-eared Squirrel Density
- ForestERA Tassel-eared Squirrel Recruitment
- Goshawk Nesting and Postfledging Areas
- TNC Ecoregional Conservation Areas
- TNC Freshwater Aquatic Assessment