

**Summary List of GIS Data from the Natural Resource Inventories**  
**Natural Resource Information Needs Workshop**  
**September 19-21, 2000**

**Raster Products (grids and images)**

**Digital Elevation Models (Feet)** – elevation model of quad with units in feet

**Digital Elevation Models (Meters)** – elevation model of quad with units in meters

**Aspect** – aspect of cells derived from digital elevation model (meters) based on aspect of surrounding cells

**Hillshade** – shaded relief of quad based on digital elevation model (meters)

**Slope** - slope of cells derived from digital elevation model (meters) based on slope between adjacent cells

**Digital Orthophotos** – air photos rectified to the Earth's surface (1:12,000)

**Digital Raster Graphics** – Scanned in 1:24,000 USGS Topographic Maps

**Vector Products (points, lines, and polygons)**

**Basic Coverages Provided for all parks –**

**State** – State park is in and any surrounding states if close to park.

**County** – all counties within the state(s) layer

**24k Quads** – all 1:24000 scale quads within the state(s)

**Park Boundary** – NPS Unit boundary

**Parks Boundaries** – Boundaries for all parks in state(s)

**Quads of Interest** – 1:24000 scale quads that are of interest to the park

**Major Hydrography** – 1:250,000 scale hydrography for the state(s)

**Major Roads** – 1:250,000 scale roads for the state(s)

**Boundaries** – Public land boundaries taken from topographic maps

**Hydrography** – Streams / Lakes, etc. taken from topographic maps

**Hypsography** – Contour lines taken from topographic maps

**Pipe & Trans Lines** – Pipelines, transmission lines, and similar features from topographic maps

**Railroads** – railroads taken from topographic maps

**Road and Trails** – roads, trails, and other similar features taken from topographic maps

**Soils** – Soil units as derived by NRCS

**Geologic Index Maps** – Outlines of geologic maps that may cover part of the park

**Geology**

**Geologic Units** – Geologic units derived from USGS and other geologic maps

**Geologic Attitude Points** – Locations and definitions of structural attitude symbols

**Geologic Contacts/Map Boundary** – Line coverage defining type of geologic unit contacts

**Geologic Cross Sections** – Lines showing locations of related geologic cross sections

**Geologic Faults** – Lines showing locations of geologic faults

**Geologic Folds** – Lines showing locations of structural folds

**Geologic Glacial Moraine Crests** – Lines of maximum elevations of glacial moraines

**Geologic Linear Dikes** – Lines showing igneous dikes too small to depict as polygons

**Metamorphic Grade Boundaries** – Lines separating suites of metamorphic minerals

**Geologic Point Units** – Points of geologic units too small to depict as lines or polygons

**Geologic Ash Units** – Overlay coverage showing extent of ash fall from volcanic events

**Species**

**Sampling Sites** – e.g., point, transect, stream reach, plot, area

**Distribution Maps** – point, linear, area, modeled/derived

**Species Richness Maps** – thematic ranges, modeled/derived

**Vegetation**

**Veg. Map** – vegetation map determined by photo interpretation / field work by USGS BRD

**Height** – height of dominate vegetation as determined by photo interpretation / field work

**Density** – density of vegetation determined by photo interpretation

**Pattern** – pattern of vegetation coverage as determined by photo interpretation

**Accuracy Assessment Points** – points showing location of accuracy assessment plots used to determine accuracy of photo interpretation classification.

**Plot Locations** - points showing locations of field work for vegetation mapping

**Water Quality Inventory GIS Data** – Various GIS layers produced by NPS Water Res. Div.