



Wyoming

### ***1. Organizational Approach to GIT:***

Wyoming State Forestry Division (WSFD) (<http://lands.state.wy.us/forestry.htm>) is a division of the Office of State Lands and Investments (OSLI) (<http://lands.state.wy.us/>). The Division is expanding its use of GIT for forest management and fire management activities, but has limited use to date. Each of WSFD's five regional districts utilizes GIS as an additional responsibility in the course of their regular programs. One fulltime Information Technology Technician supports hardware and software requirements for GIT and other technologies. Organizational and procedural coordination for GIS is one of several responsibilities of the Assistant State Forester for Forest Management, the Division's lead GIT contact. While there are no policy directives regarding GIT within the Division, OSLI has implemented a GIS plan that covers data collection, applications, staffing/training, hardware, and organizational/procedural issues, including for the Division. Lack of funding for contracting work is the most prevalent issue to date.

### ***2. GIT Applications and Data Utilized:***

WSFD uses GPS for several applications including **forest health** monitoring; wildland **fire**, to determine fire boundaries and to develop National Fire Plan Mitigation Plans with homeowner site maps; and **forest characterization**, such as mapping stand information. GPS is also used in conjunction with GIS to determine timber sale boundary locations and produce timber sale maps on **state lands**. Data used by WSFD includes internally collected GPS data; attribute information in database format; digital aerial orthophotos from several decades with hand drawn data overlays and attribute information to be scanned and rectified into the GIS as historical information; and U.S. Geological Survey Quad Maps. WSFD also worked with Wyoming's State Engineer's Office, the U.S. Geological Survey's National Aerial Photography Program (NAPP) and the Bureau of Land Management in a cooperative effort to provide 1:40,000 color infrared photography for the entire state in 2001. WSFD also used the U.S. Forest Service's Remote Sensing and Image Analysis, Forest Health Technology Enterprise Team, in Ft. Collins, Colorado, to fly project-level color aerial photos at a scale of 1:15,840 in 2001.

### ***3. Statewide and Other GIT Linkages:***

Statewide, GIT coordination is handled chiefly by the Office of GIS, located within the Information Technology Division (ITD-GIS) of the Department of Administration and Information. The leading GIT coordination group is the Wyoming Geographic Information Advisory Council (WGIAC) (<http://wgiac2.state.wy.us/html/index.asp>), whose meetings are attended by OSLI staff. ITD-GIS, WGIAC and several cooperating entities support the Wyoming Spatial Data Clearinghouse (<http://wgiac2.state.wy.us/html/AboutDoqq.asp>), which is maintained by ITD-GIS. An additional resource is the Spatial Data and Visualization Center (SDVC) at the University of Wyoming, which includes the Wyoming Natural Resources Data Clearinghouse (<http://www.sdvc.uwyo.edu/clearinghouse/index.html>). This clearinghouse serves geospatial datasets developed or enhanced by departments and organizations at the University of Wyoming. It includes the Wyoming Internet Map Server (WIMS), which provides spatial data and related economic and natural resources information about Wyoming. Other sources of data include state agencies and regional clearinghouses. No linkage between WSFD and the above coordination groups/activities exists at this time.