



Forest Management with Esri





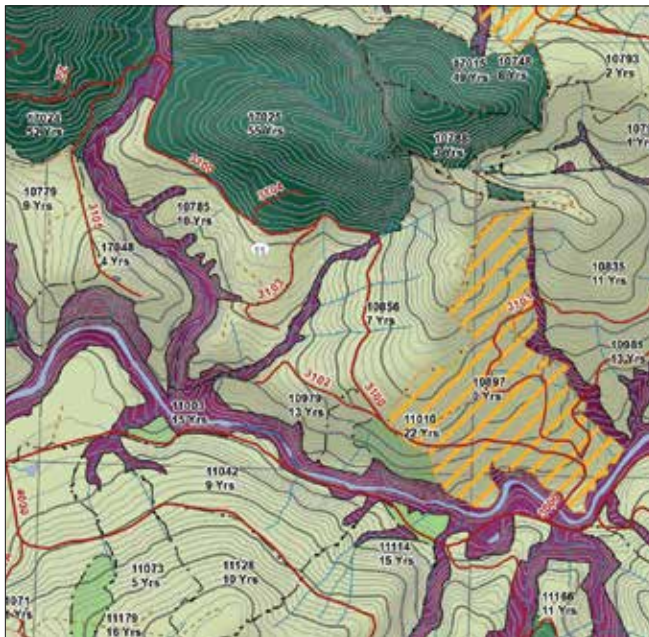
Esri Understands Forest Management

Esri technologies give you the flexibility to respond quickly to today's challenges and the power to effectively manage your forest for years to come.

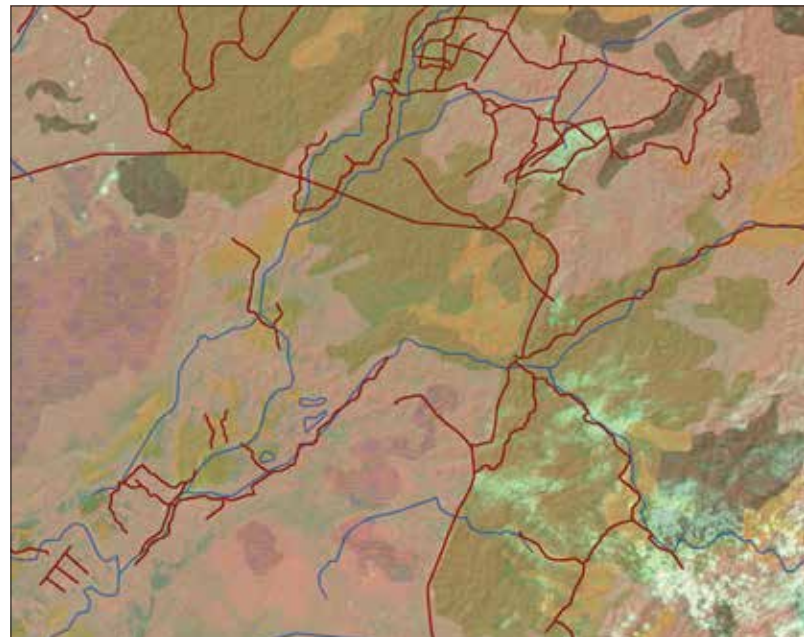
- Get more value from your forest and land data.
- Perform forestry analysis anytime, anywhere, and on any device.
- Improve collaboration among departments, contractors, and shareholders.

Better Forest Management

Forests are dynamic. Understanding forest science, economics, and social principles helps you better care for the forest and meet your business objectives. Use Esri® ArcGIS® technology to see your forest, analyze complex problems, and design effective solutions.



Accurate forest inventory maps with timber composition and condition information is essential for forest management planning and contract management.



Satellite imagery is used to update base map features such as roads and timber stands as well as provide an indication of forest health.

Advance Forest Management

Great forestry management includes knowing the resources the forest contains, calculating potential value, and planning operations. ArcGIS has a powerful suite of analytical tools to help you understand and manage your forest. It has robust data management capacity, visualization capabilities, modeling tools, and web applications. Combine ArcGIS with SAP, Cognos, and Microsoft systems to dramatically advance the way you manage forest operations, planning, and protection.

Monitor Forest Health

A healthy forest is good for the planet and good for business. You can use ArcGIS to monitor forest health and calculate loss caused by pests, disease, and invasive species. Study the relationships between stand type, climate change, and other disturbance types. Using satellite imagery and aerial photography in GIS will help you assess the impact of land-use change and deforestation. You can also prioritize and keep forest restoration projects on task.

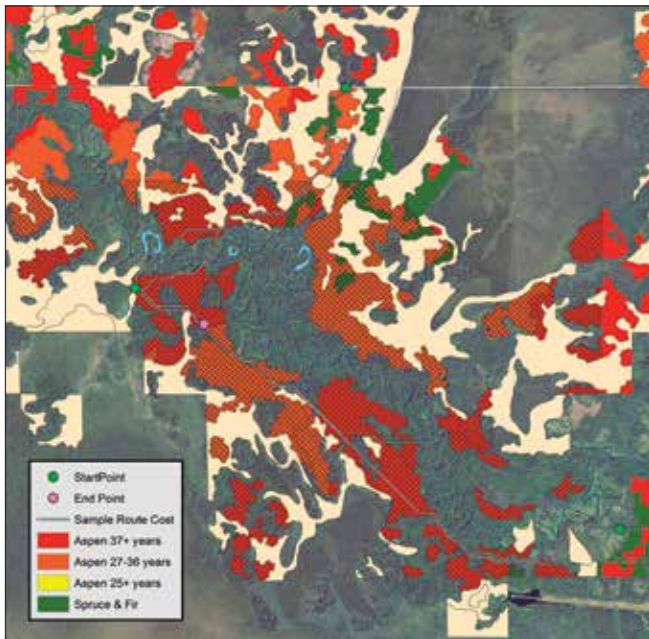


Increase Business Value, Efficiency, and Productivity

Make timely, intelligence-based decisions. ArcGIS helps you better understand your forest's operations and market values. Built on industry standards, ArcGIS integrates with your existing software and IT infrastructure. This means you add geographic context in various business tasks such as cost analysis, asset management, and market intelligence. See your analysis on a map and use advanced geospatial tools to enhance your analysis. Better manage your forest's portfolio, attract investors, and collaborate with stakeholders.

ArcGIS increases staff productivity and improves data sharing and distribution. Bring your organization's forest data together on a centralized platform. Staff members can easily search data, see it with a map viewer, bring it into their projects, and analyze it using powerful tools and models. Staff will also be more efficient by using automated workflows and customized, task-specific tools.

Use Esri ArcGISSM Online to collaborate with stakeholders and develop land-use strategies that meet multiple objectives. You can create maps to show schedules for sustainable harvesting, planting, and other activities. Then publish the maps online so the people who need them can easily access them anytime, on any device.

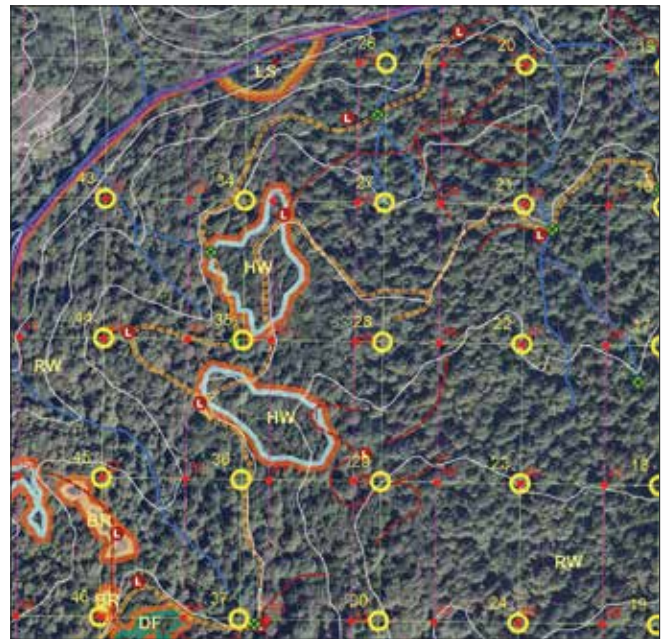


Forest operations managers use GIS to develop harvest schedules, optimize route selection, and determine transport costs to mills.

Improve Manufacturing Returns

In a dynamic economy, a forest company's ability to respond to changing markets is critical to success. A company that keeps its mill timber inventories lean must respond quickly to buy wood, change the product mix, and move loggers to all-weather jobs.

The Esri ArcGIS platform will improve communications between the mill, corporate managers, supply chain customers, and foresters. Create a common operational picture for coordinating production and distribution activities. Monitor facilities and operations in real time including production levels, downtime, and costs.



Detailed maps of stands, adjacent harvests, roads, boundaries and topography improves field worker productivity and leads to better planning decisions.

Make Better Land Administration Decisions

Land managers need to access the right data at the right time to quickly evaluate it, and take action. Use ArcGIS to effectively manage agreements, land records, and real estate. Through the map interface, you can quickly locate relevant and current information such as land access agreements, adjacent landholders, acquisitions, and appraisals. ArcGIS also helps you estimate taxes and fees, evaluate land values and potentials, and seize opportunities.



Understanding our world.

Esri inspires and enables people to positively impact their future through a deeper, geographic understanding of the changing world around them.

Governments, industry leaders, academics, and nongovernmental organizations trust us to connect them with the analytic knowledge they need to make the critical decisions that shape the planet. For more than 40 years, Esri has cultivated collaborative relationships with partners who share our commitment to solving earth's most pressing challenges with geographic expertise and rational resolve. Today, we believe that geography is at the heart of a more resilient and sustainable future. Creating responsible products and solutions drives our passion for improving quality of life everywhere.



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