

# Forest Fire Management System



Faced with an average of 2,500 wildfires each year, the British Columbia Forest Service, Protection Program takes an aggressive approach to suppressing wildfires - Hit Hard and Hit Fast. It takes dedication and a strong commitment to safety to achieve this objective.

Each year, the Protection Program uses an average of 800 fire fighters, 12 fire bombing aircraft, more than 20 helicopters, 40 patrol planes and a fleet of 120 fire trucks and response vehicles to respond to wildfires as part of the British Columbia Forest Service 'Initial Attack' program.



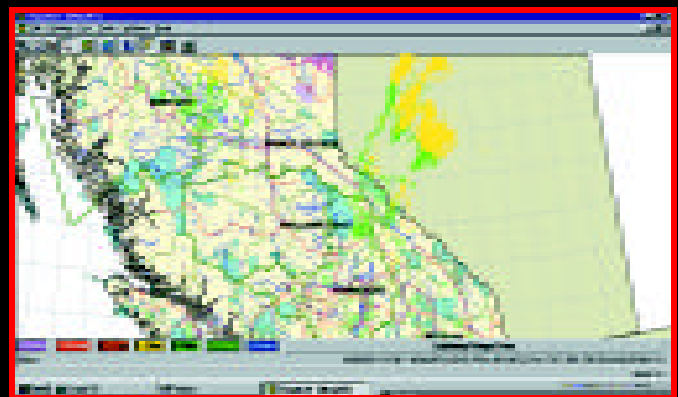
*Wildfires are an annual occurrence in British Columbia.*



*Highly trained initial attack crews can access remote fires on steep terrain.*

Keeping track of fire control resources, dispatching them to priority areas, and maximizing communication with air and ground crews is essential for effective and efficient wildfire containment. The Forest Fire Management System was developed to address the increasing need to improve coordination between ground crews and aircraft resources during fire control operations.

Staff in each of the Protection Program's fire centres, activate the Resource Management System on their computer and by clicking on an icon can determine the type of aircraft, its exact location, direction of travel and airspeed. Information can also be collected from helicopters, vehicles and crews to confirm their position and status.



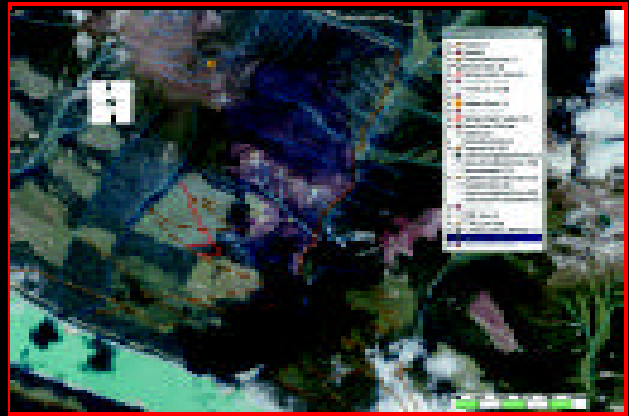
*Map display shows both historical lightning strike locations and provides "real-time" tracking of new strikes. Lightning causes 50% of fires in British Columbia.*

***Safety, innovation, and performance.***

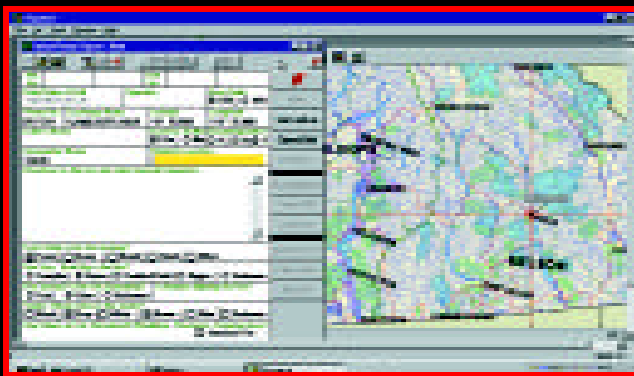
***The hallmarks of a winning program.***

The Forest Fire Management System can utilize either terrestrial based digital radio network or satellite networks to collect resource positions and messages. The data can then be displayed on a client server application or via the internet. By understanding resource allocation the Protection Program can optimize it's performance.

**Fighting Fire with technology...** With over 90 years of experience fighting forest fires, from the earliest days of horses and Model T automobiles to the present day, the Protection Program has consistently developed the best technology and techniques in wildfire management - technology and techniques that we can bring to your organization. The Protection Program has a proven record of being dynamic and adaptable to emergency response incidents.



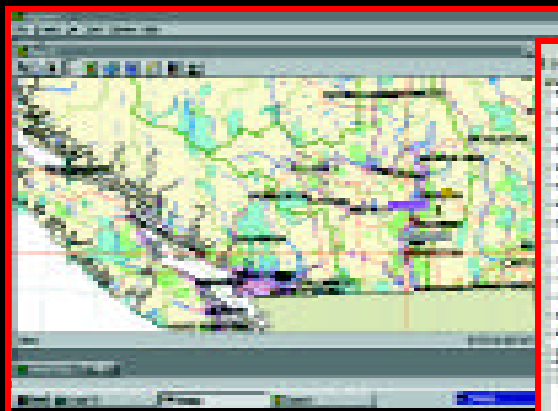
*Web based fire mapping and imagery.*



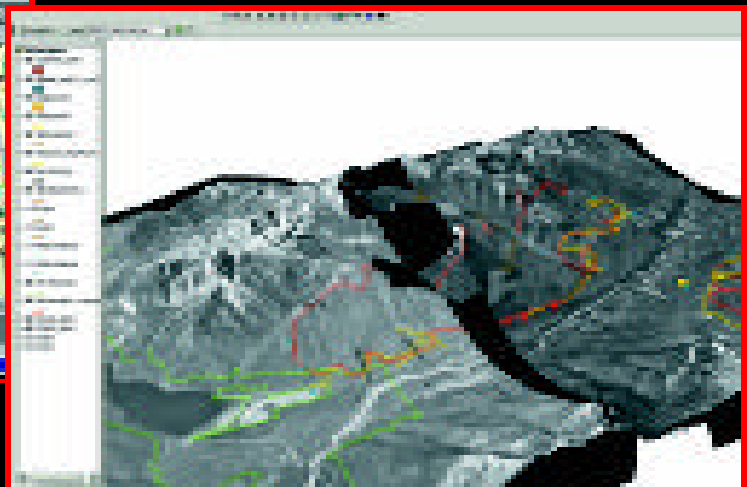
*Initial phone report form gathers information from the general public and displays it geographically.*

### **Computer technology applications...**

- 🔥 Fire Occurrence Prediction System
- 🔥 Forest Asset Management System
- 🔥 Fireline Certification System
- 🔥 Fire Reporting System
- 🔥 Fire Monitoring System
- 🔥 Portable Emergency Radio system
- 🔥 Automated Fire Weather Network
- 🔥 Digital Communications Networks
- 🔥 Lightning Detection



*The automated air tanker request component of the client application.*



*Remote fire mapping and analysis.*



**For more information...** about our leading technology and knowledgeable expertise, we invite you to contact:



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