



silvacom™

LANDSCAPE FIRE ASSESSMENT OVERVIEW

NAVIGATING WILDFIRE RISKS WITH CONFIDENCE

Established in 1983, Silvacom Ltd. is a leader in natural resource management consulting, specializing in forestry, environmental management, and remote sensing.

We integrate **advanced technology** and **land management expertise** to provide our clients with precise, innovative solutions that meet stringent regulatory standards, promote environmental stewardship, enhance forested landscape resilience and improve community safety.



COMPREHENSIVE WILDFIRE MODELLING

Our **landscape fire assessment process** can utilize a variety of models including BurnP3/BurnP3+, from NRCAN as well as the Ignition Exposure Assessment and Directional Vulnerability models created by Dr. Jen Beverly's Wildfire Analytics Lab at the University of Alberta.

SPATIAL ANALYSIS IS COMPLETED TO AID IN THE FOLLOWING:



Risk Identification and Mitigation: Accurate identification of high-risk areas and strategic planning for the protection of communities and other values at risk.



Expert Forecasting: Scenario forecasting to aid in informed decision-making across planning horizons.



Prioritized Strategic Harvesting: Strategies for removal of hazardous fuels in high-risk areas to enhance landscape resilience and community safety.

INCORPORATION INTO FOREST MANAGEMENT PLANS

WILDFIRE DIRECTIVE COMPLIANCE

Silvacom leverages the latest "**Impacts of Wildfire Burned Areas on Annual Allowable Cuts**" directive from 2021 to ensure that forest management plans (FMPs) reflect the integration of burned areas into active operational landbases. We provide strategic insights and adaptive management strategies that help forest managers maintain sustainable harvest levels while adhering to regulatory changes.

DEVELOPING NOVEL INDICATORS FOR VOITS

Silvacom excels in creating specialized parameters for Values, Objectives, Indicators, and Targets (VOITs) that reflect ecological and social standards in fire management. These indicators assist in:

- **Balancing Sustainable Timber Production and Conservation:** Ensuring forest operations meet both ecological preservation and community well-being goals.

INTEGRATING FIRESMART PRACTICES AND COMMUNITY PROTECTION

Silvacom emphasizes the importance of a comprehensive approach to wildfire risk mitigation by incorporating FireSmart practices, fireguards, and community protection zones into strategic forest management planning recommendations. These efforts work to align landscape-level planning with community safety and overall forest resilience.

WHY CHOOSE SILVACOM?



ADVANCED TECHNOLOGY AND MULTIDISCIPLINARY EXPERTISE:

Silvacom employs **state-of-the-art technologies**, including a variety of imagery/data collection tools and remote sensing options, to deliver precise resource analysis. **Our multidisciplinary team**, including Registered Professional Foresters (RPFs), forest fire experts, GIS specialists, and data analysts, provides holistic support across all forested and forest fringe areas.



COMMITMENT TO SUSTAINABILITY:

We **integrate sustainable practices** across all services and **customize our solutions to meet each client's unique needs**, fostering long-term partnerships and delivering substantial value.



VALUE DELIVERED:

Silvacom **enhances operational efficiency, transforms complex data into actionable insights**, and **mitigates risks**, allowing clients to adapt seamlessly to changing environmental and market conditions.

Join the many satisfied clients who trust Silvacom to navigate the challenges of landscape fire management. Contact us today to learn how we can tailor our services to meet your specific forest management needs.

Silvacom has delivered results for over 40 years – your trusted partner in sustainable natural resource management.

CONTACT US TODAY

To learn about Landscape Fire Assessment Strategies



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