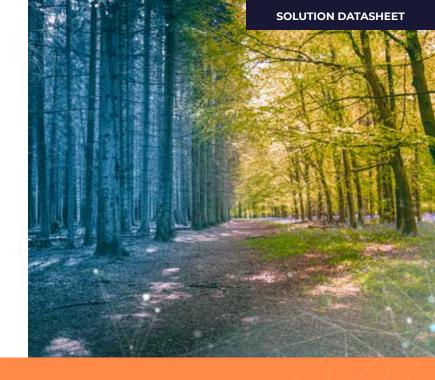# Strategic Planning Optimization

Enhance forest health, diversity and productivity

Like a compass guiding your organization towards its future goals, strategic planning helps you keep your forest operations on track and sustainable. Remsoft optimization analytics ensure those long-term plans also remain flexible, so your business can respond quickly to changing market and regulatory demands.

Optimization with prescriptive analytics can help to assess and improve all facets of long-term, strategic forest management planning to balance priorities, meet environmental requirements and achieve sustainable growth.

Balance objectives and goals for the land base

Optimization analytics enable you to represent the entire land base in a single model. With greater insight, you can improve strategic decisions to maximize the value and performance of forest resources now and into the future.

Improve Silviculture Planning

Optimize silviculture scheduling and budgeting to enhance the future health, quality, and growth of your forest while managing costs. By modeling different scenarios, you can evaluate which silviculture activities are best given specific constraints and objectives.

Make Informed Investment Decisions

Inform key decisions for long-term planning and investment with capital investment analysis, asset replacement, and project feasibility analysis. Optimize strategic harvest and silviculture planning to ensure forest resource sustainability.

Manage Environmental Compliance

Optimize strategies to comply with environmental regulations while minimizing the impact of those policies on future forest values. Each policy and objective, whether it's habitat preservation or carbon management, can be translated into a constraint that you can model, evaluate and update at any time.

Analyze and Mitigate Risk

Assess the impact of market events and natural disturbances on forest operations and make data-driven decisions to reduce the risk. You can also simulate potential scenarios to assess the impact of unexpected events on future revenue and costs.

AGILE DECISION SUPPORT
Solve Complex Strategic Planning Challenges

With optimization modeling, you can answer complex questions and see the impact of decisions into the future. Easily visualize different alternatives and quickly see the best way forward.

Inputs

- Forest landscape inventory (stands)
- Product definitions
- Harvest volume constraints
- Total carbon market capacity
- Costs, revenues, and prices
- Volume coefficients and conversion factors
- Strata/stand polygon shapefile
- Treatment eligibility information
- Discount rates

Questions Answered

- When and what to harvest and in which year?
- What is the optimal investment in reforestation, silviculture and harvesting regimes?
- What are the impacts of potential changes to regulatory regimes, environmental requirements, social responsibility adjustments and climate change?

Outcomes

- Represent the entire land base in a single model
- Enable timely analysis of strategic wood flow and investment decisions
- Increase the accuracy of strategic-level harvest and silviculture budgeting and forecasting
- Understand and manage the impacts of new regulations, and changes in costs and revenues
- Support integrated, enterprise-level strategic planning and analysis to increase efficiency, accuracy, and precision

IMPACT POWERED BY INTELLIGENCE
Real World Results Our Clients Have Seen

Improved Efficiency

- Ability to model harvest schedules to achieve operational efficiencies and prevent volume surplus or shortage penalties at mill destinations

More Agility and Flexibility

- Ability to model scenarios to identify and evaluate ideal harvest scheduling options
- Ability to meet increasing global demands for wood products through greater operational efficiency and sustainability

Greater Precision

- Ability to evaluate the direct impact of environmental, managerial and economic changes on operations
- Ability to track long-term carbon sequestration activities to remain in compliance with environmental certification requirements
- Ability to sequence harvest units to achieve maximum net present value in conjunction with optimum tree farm harvest levels

"The Remsoft Solution has become a routine part of our continuous planning cycle. It enables us to quickly analyze a range of options related to harvest planning and valuation. We can then visualize the outcomes, validate or revise our decisions, and share that information throughout our organization."

Rick Schmeling
Timberland Services Manager,
Green Diamond Northwest Timberlands

Interested in learning more? Visit **www.remsoft.com/strategic-optimization**