



FOREST MANAGEMENT TOOLS



ENABLING PRODUCTS AND TOOLS

TREE CLASSIFICATION SYSTEM

- Classification of tree risk and form
- Improve silvicultural decisions
- Predict product distribution
- Determine harvesting and processing cost

DETERMINATION KEY TO ASSESS REGENERATION VIGOR

- Estimation of regeneration vigor
- Tool to assess goals of previous silviculture treatments

OPEN STAND MODEL (OSM): EQUATIONS AND CALIBRATION

- New growth and yield model
- Mix between STAMAN tree-level and Acadian model

REMOTE SENSING TOOL TO ASSESS STAND VIGOR FROM SATELLITE IMAGERY

- Predict proportion of commercial trees likely to survive in the next 15 years, with value expected to remain stable or improve over time

REMOTE SENSING TOOL TO ESTIMATE BASAL AREA FROM LANDSAT IMAGERY

- Estimation of basal area in even-aged and two-cohort stands

REMOTE SENSING TOOL TO CHARACTERIZE REGENERATION

- Estimation of stem density, stocking and composition in regeneration areas

SILVICULTURE PRESCRIPTION SYSTEM (SPS) MOBILE AND WEB APP

- App where you answer questions and recommend silviculture prescriptions
- Promote SPS

FOREST HARVEST CLASSIFICATION SYSTEM FOR NEW BRUNSWICK

- Describes impacts on stands and resulting conditions of harvest treatments