



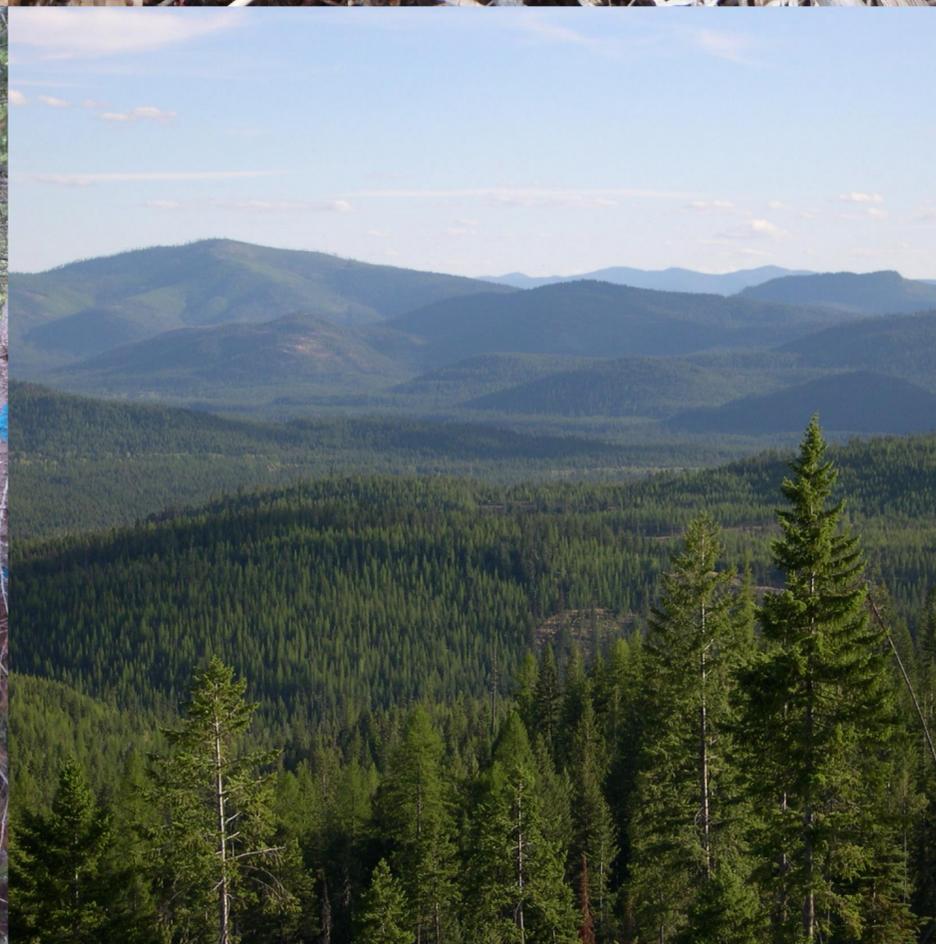
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REVIEW AND UPDATE ON IFC INITIATIVES

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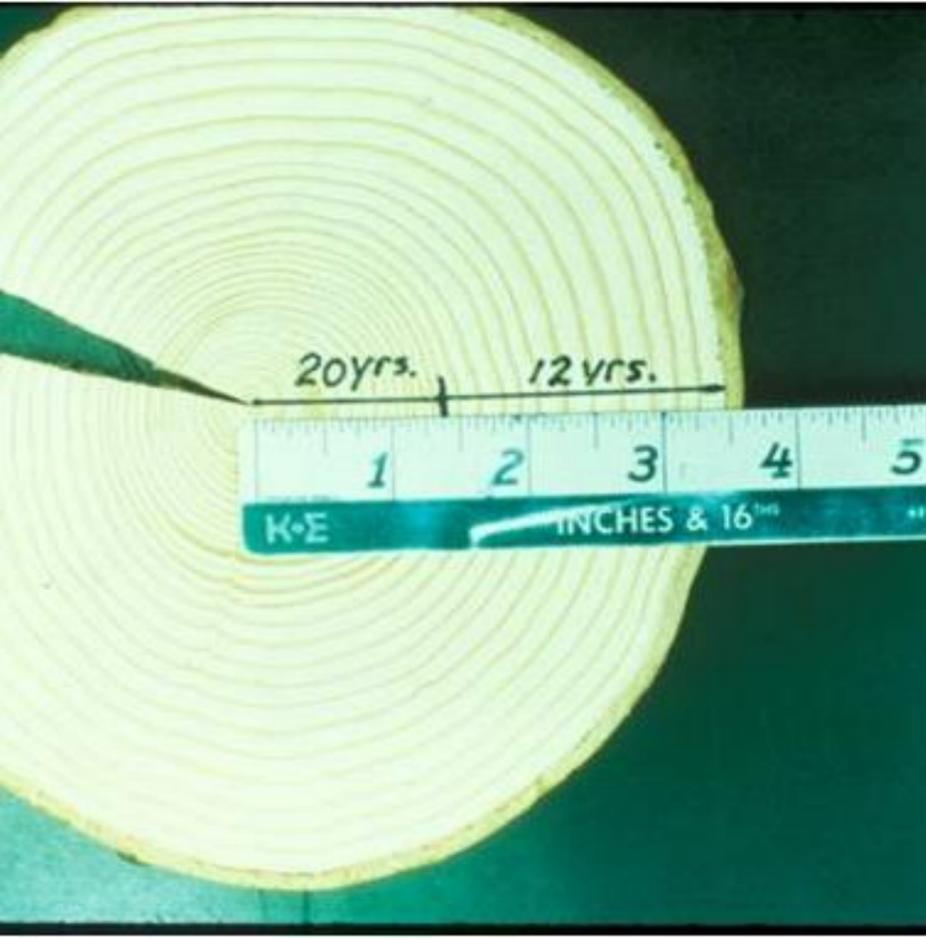




IFC MISSION

LINKING SITE TO SILVICULTURE

- Member Management Objective:
 - Adapt silvicultural management strategies to meet ecological, economic, and regulatory objectives relative to the diverse forest landscape of the Inland Northwest
- Member Needs:
 - Products that feed directly into management plans and existing analytical and management systems
- Cooperative Objective:
 - Conduct applied research and provide products that relate the physiographic landscape (“Site-Type”) to stand and tree response to silvicultural treatments



BUILDING BLOCKS

PAST RESEARCH

Forest Health and Productivity – Nutrition x Site Type

- Soil parent material (SPM) widely varies across the region
- Each SPM has a unique chemical composition, some nutrient rich, some poor
- Nutrient poor SPM decrease site productivity and stresses trees resulting in increased susceptibility to insects and disease. Multi-nutrient deficiencies are often demonstrated in the Inland Northwest.
- Developed soil nutrient and site specific management prescriptions to improve forest health and productivity across the diversity of SPMs in the region
- Continue to refine this “Site-Type” research through add-on projects

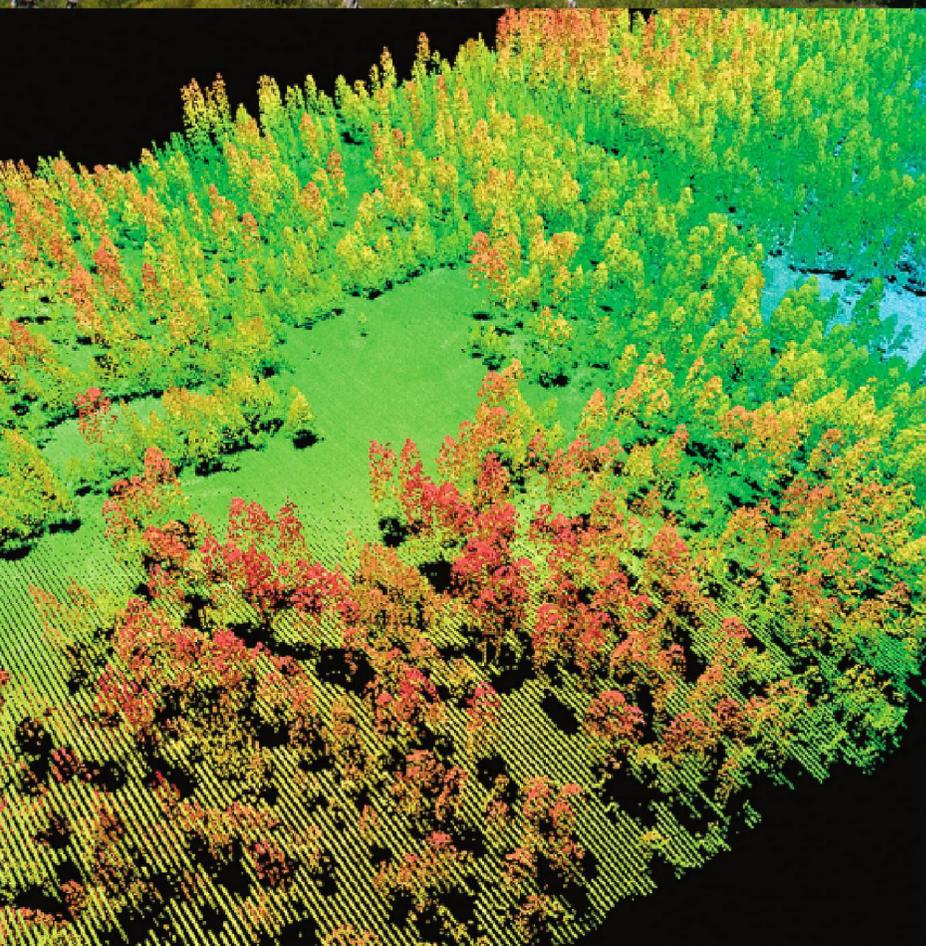


BUILDING FOR THE FUTURE

PRESENT RESEARCH

Forest site type relationships derived from decades of IFTNC/IFC research now drives current core and add-on silviculture research

- Regeneration Stage
 - Seedling establishment
 - Whole-tree vs bole-only harvesting
 - Site preparation intensity
- PCT Stage
 - Optimize entry timing and thinning intensity
- CT Stage
 - Fertilization x thinning intensity to maximize EOR cut-out
- Site Capacity
 - Geospatially model maximum stand density



THE FUTURE IS UPON US

WHERE WE ARE GOING

Continue to create products that aid in strategic management decisions

- Site productivity grids that integrate growth rate and site carrying capacity

- Growth and mortality multipliers as a function of site type, species composition and density

Develop comprehensive silviculture guidelines

- Early – late stand development

- By site type and recommended species

Collaborate with members and outside experts to move the IFC forward

- Incorporate new technologies and 3rd party R&D