

Cloquet Forestry Center

MFRC Meeting, November 13, 2013



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Step Back in Time

- * 1903 - University of Minnesota Forestry School opened, Prof. Samuel B. Green first head
- * Cloquet "Forestry Station" was established in 1909
 - * Lumber interests in Cloquet
 - * Fred Vibert, State Senator and publisher of the Cloquet Pine Knot
- * **Primary Intent:** Establishing a research forest to determine how to best reforest cutover lands
- * Research began in 1911 - influenced by Raphael Zon (USFS)
- * Instruction began in 1912, offered continuously since 1924
- * CFC is the primary research and education *forest* for the University of Minnesota
- * CFC is one of the oldest continuously operating forestry field stations in the US

MISSION



Our official mission is to conduct applied education, research, and outreach related to northern forests

MISSION

Education Mission: We provide undergraduate students with intensive field experiences that are essential to professions related to forestry. Graduate students work with us to develop their research skills and increase their knowledge of forest ecosystems and forest practices.

Research Mission: The center hosts long-term and controlled studies that benefit Minnesota's 17 million acres of commercial forest land. This research is designed to improve the management of Minnesota's timber, recreation, wildlife, soil, and water resources on forested lands.

Outreach: We offer hands-on workshops for natural resource professionals, environmental educators, and the public. These opportunities are grounded in the latest research findings in forestry.

Est. 1997

Sustainable Forests
Education Cooperative
*Education Programs for
Sustainable Forestry & Ecosystems*



10,424 User Days - FY2013

Academic		
Non-UMN		1,447
UMN		5,316
Total		6,763
Non-academic		
		3,661
(DNR, Industry, MFRC, Tribal, USDA, Other)		

Minnesota Tree Improvement Cooperative Est. 1981

MISSION, revisited

Our official mission is to conduct applied education, research, and outreach related to northern forests

REGIONAL (Minnesota, Great Lakes)

NATIONAL

WORLD-CLASS

MULTI-DISCIPLINARY

SCIENCE DRIVEN

CONTEMPORARY & FUTURE NATURAL RESOURCE ISSUES

FIELD-BASED (research, education, outreach)

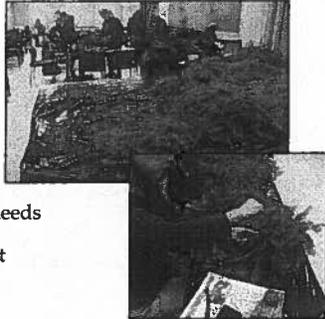
UNIQUENESS OF CFC

STRENGTHEN RELATIONSHIPS WITH STAKEHOLDERS

Uniqueness of CFC

Forest + Facility

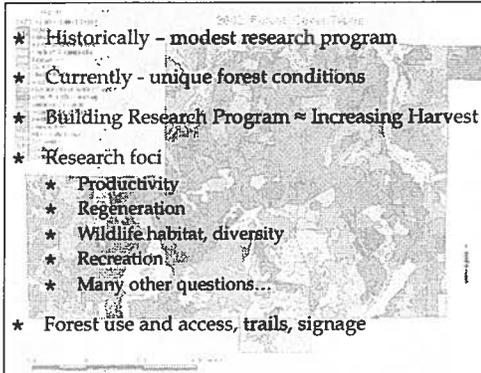
- * Stronger collaboration with the Fond du Lac Nation and local community
- * County, State, Federal
- * Industry, Non-profit
- * Private landowners
- * MFRC, MFRP, MLEP
- * Faculty research interests, needs
- * National and Global context



Sustainable Forest Management

Research Forest + Working Forest

- * Historically - modest research program
- * Currently - unique forest conditions
- * Building Research Program ~ Increasing Harvest
- * Research foci
 - * Productivity
 - * Regeneration
 - * Wildlife habitat, diversity
 - * Recreation
 - * Many other questions...
- * Forest use and access, trails, signage



Sustainable Forest Management

Research Forest + Working Forest

Research Forest - Advisory Board

How do we best serve the needs of people in Minnesota, and beyond?

Adaptive Silviculture for Climate Change

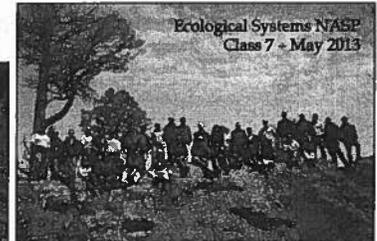
CFC can be a HUB for research regionally, nationally, globally

www.forestadaptation.org

Hub for Professional Programming



National Advanced Silviculture Program



FY 2013

- * 47 coop members in FY2013
- * 26 programs - 859 participants
- * 10 webinars - 233 participants

Mission: To promote excellence in natural resource management through educational opportunities that bring professionals together to explore current research findings, new technologies and state-of-the-art practices



Enhancements to Continuing Education at CFC

- * Robust continuing education programs
- * Evaluate needs of the State/Coop members
 - * Strategic review of ECS Silviculture Certificate Series
- * Big picture programs
 - * Anticipate future management issues
 - * State to Regional to National focus
- * Programming infused with science - cutting edge from the classroom to the field
 - * Strong research focus of the CFC
 - * Can science better inform the development of forest management guidelines and practices?
- * Bolster involvement of the MFRC; collaboration with MLEP
- * Improve our web presence; Webinars