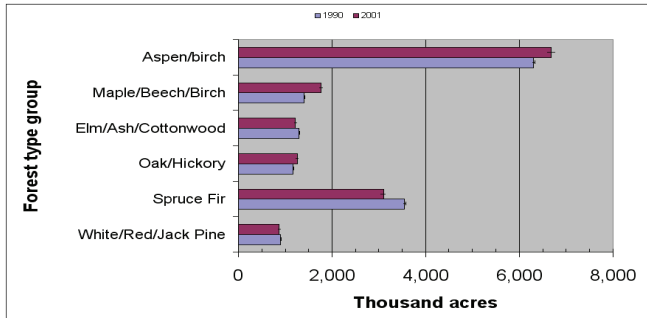


Proposed State Forest Health Highlights Format

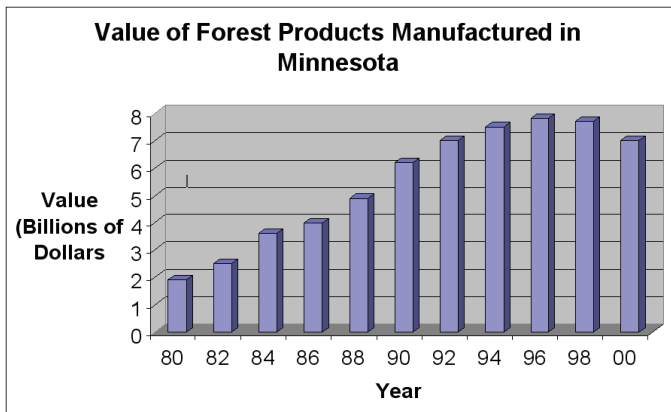
1. Resource Summary, discussion and graphics

A. Most recent FIA data

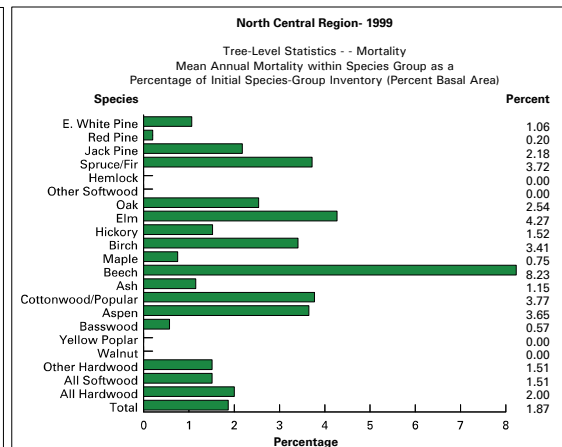
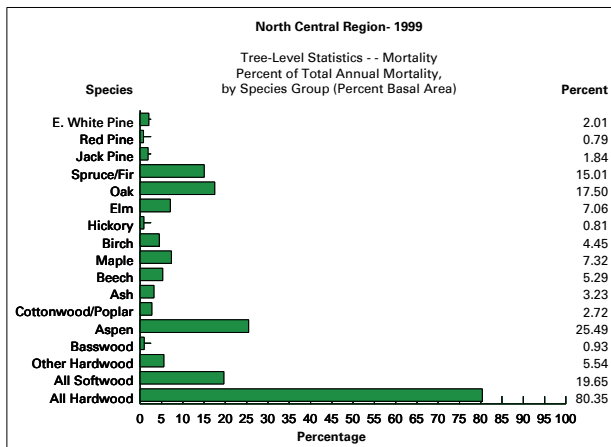
1. Acres by major forest types



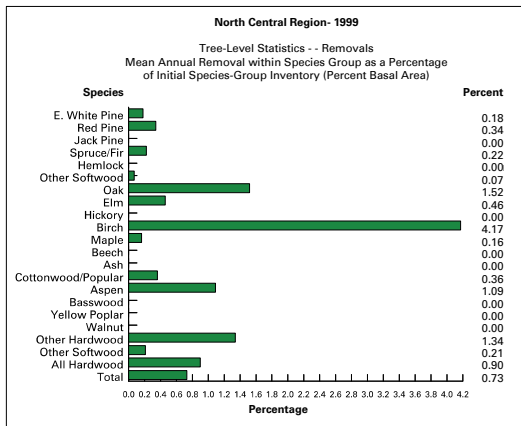
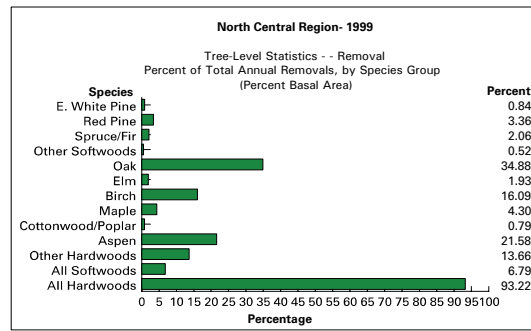
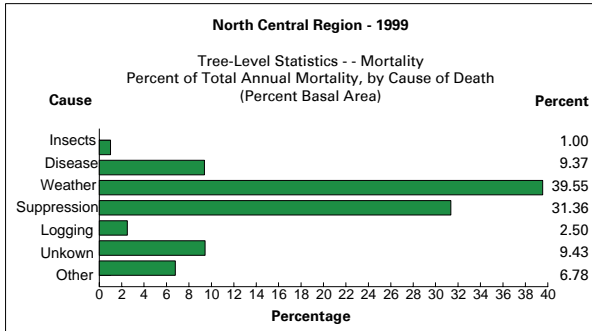
2. Economic impact of forests



B. Components of change—(every 5 years or change one every year—update at least one graph per year)



B. Components of change—(every 5 years or change one every year—update at least one graph per year) continued...

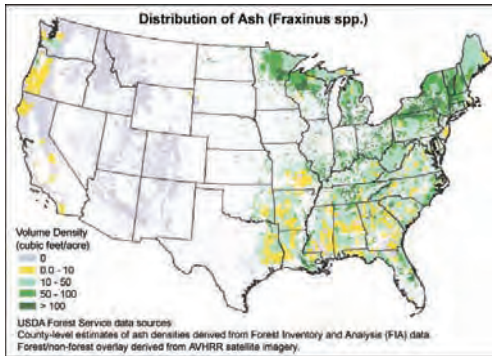


Forest Type	n	Cycle Length (Years)	Initial Inventory (Ba/Ac)	Gross Growth (Ba/Ac/Yr)	Mortality (Ba/Ac/Yr)	Removals (Ba/Ac/Yr)	Net Change (Ba/Ac/Yr)	Terminal Inventory (Ba/Ac/Yr)
Jack Pine	3	4.36	72.27	2.68	1.63	0.00	1.04	79.73
Red Pine	10	2.70	144.29	3.83	1.63	0.37	1.83	149.09
White Pine	2	3.07	67.79	3.72	0.48	0.00	3.24	77.74
Balsam Fir	3	4.83	71.05	4.07	0.48	0.00	3.60	88.72
No. White Cedar	4	2.05	131.22	5.03	1.84	0.11	3.08	136.70
Other Spruce-Fir	10	3.40	66.23	1.20	0.53	0.00	0.67	68.64
Oak/Pine	5	3.74	97.35	1.91	3.87	3.63	-5.59	80.88
Oak/Hickory	23	2.80	94.83	2.72	2.38	1.21	-0.87	92.52
Oak/Gum/Cypress	1	2.05	92.44	1.58	0.58	0.00	1.01	94.50
Elm/Ash/Red Maple	11	2.38	76.33	3.02	1.39	0.33	1.30	79.68
Maple/Beech/Birch	28	3.27	100.24	3.56	1.62	0.01	1.93	106.54
Aspen/Birch	19	3.36	66.50	3.93	1.36	1.41	1.17	69.59
Other	3	2.32	84.49	2.68	1.52	3.44	-1.92	70.52
All Types	114	3.09	91.32	3.17	1.71	0.67	0.79	93.68

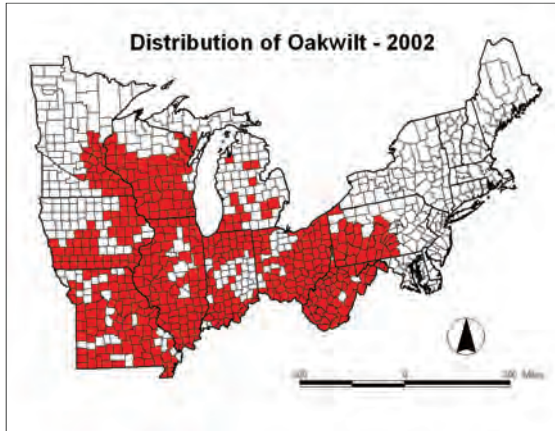
Means of Basic Components of Change by Initial Forest Type
 1999 North Central - Components of Change
 Per-Acre-Level Statistics
 North Central Region - 1999

2. Forest Health Issues

A. Exotic or novel pest introduction/ outbreak, i.e. Sudden Oak Death, Emerald Ash Borer, Asian Longhorned Beetle.

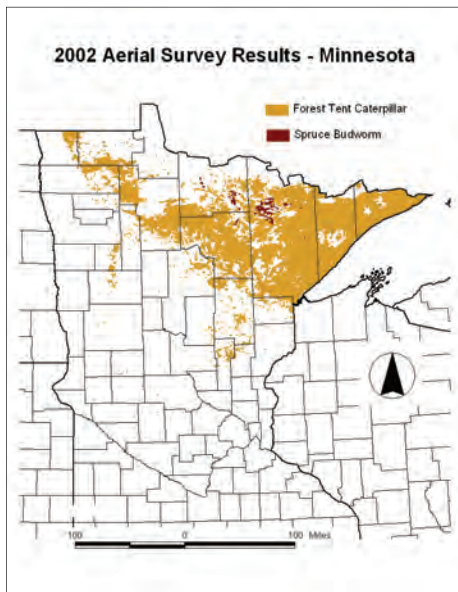


B. Ongoing efforts with major pests, i.e. Gypsy Moth and other established exotic and native pests, oak wilt etc.



3. Off-plot Survey Results

A. Mortality and defoliation maps.

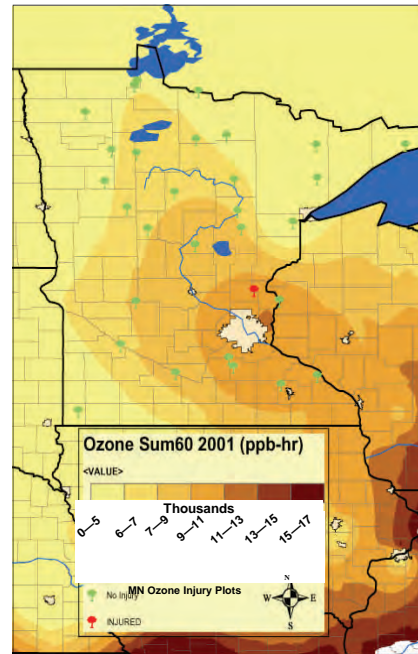
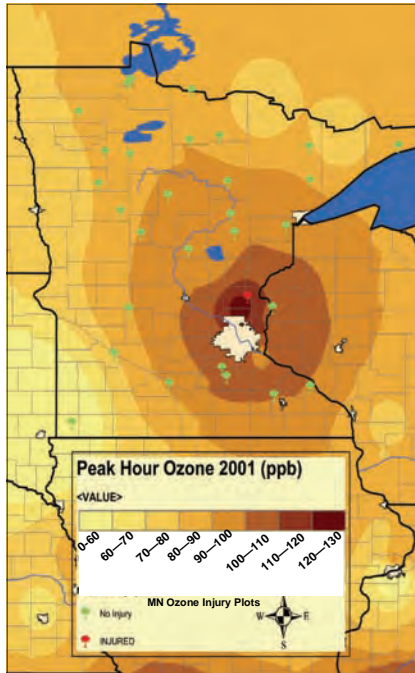


Fourth year of outbreak
Forest tent caterpillar 7.4 million acres defoliated.

Forty ninth consecutive year of detectable defoliation.
Spruce budworm 91,000 acres defoliated.

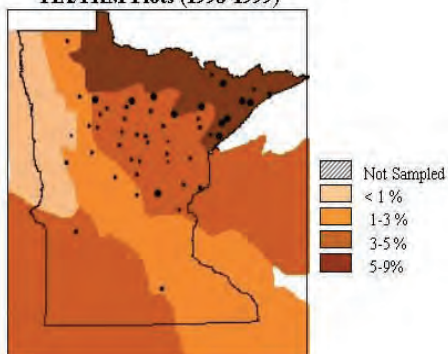
4. P-3 Indicator Summary

A. Ozone

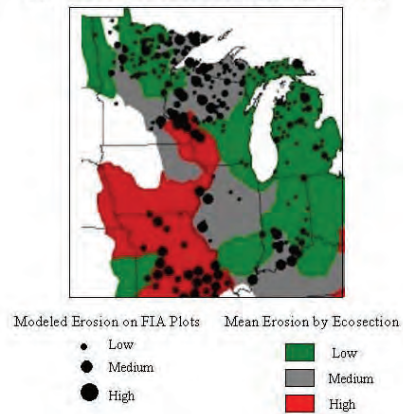


B. Soils

Organic Carbon in Upper Mineral Soils on FIA/FHM Plots (1998-1999)

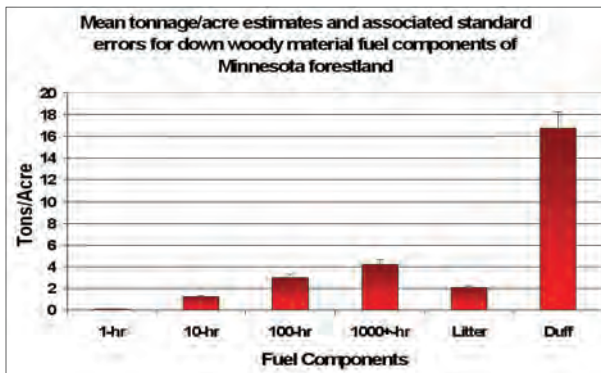
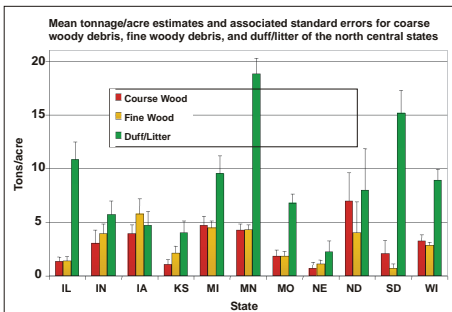


Modeled Erosion on FIA/FHM plots (1998-2000)

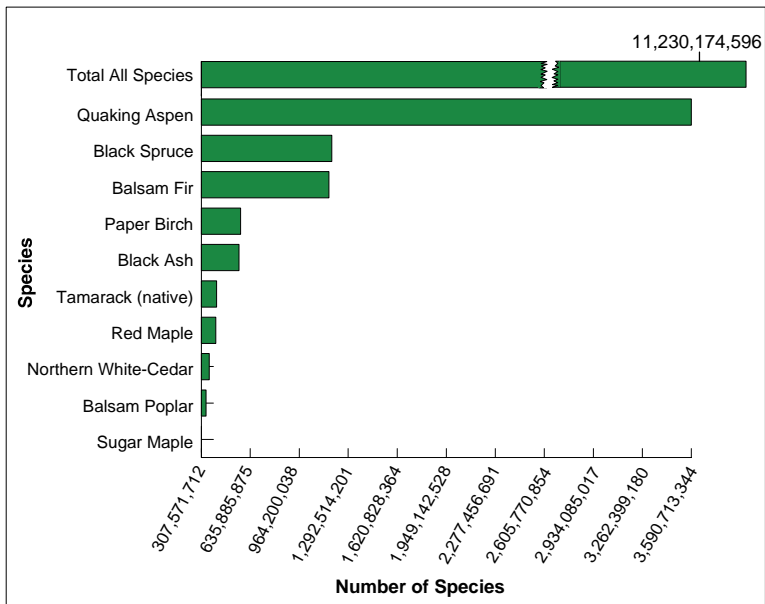


D. DWM

- 1) One or both components of fuels.
- 2) Total tonnage.



E. Number of trees by species—(vegetation diversity)



5. Conclusions—one paragraph of text

This is the 4th year of forest tent caterpillar defoliation and the 49th consecutive year of detectable eastern spruce budworm defoliation in MN. Despite these insults, growth still exceeds mortality and the resource still meets the needs of citizens for employment and recreation. Future concerns are the introduction of exotic pests, particularly the gypsy moth and emerald ash borer, and the continued increase in population which will inevitably place additional pressures on Minnesota's forests.

6. Contact Info.

For more information contact:

Contact Person
Organization
Address
Telephone number
Email address

7. FHH's Submission Requirements

1. Provide high resolution graphics even if the images appear in the word processing or desk top publishing document. This will hasten the process for the web version to be developed considerably.
2.
 - a) provide 300 dpi images in tif file format-IBM platform (not jpg's or gif's).
 - b) provide contact info. for graphics—email or telephone number.
 - c) Follow the sample layout for forest health highlights and do the layout before forwarding a document to be posted on the web. This way we can provide an html on-screen version and a pdf printer friendly version. The pdf version can also be easily saved to a disc and passed along to anyone else.
2. Provide any specialized fonts or we will substitute a font which will hopefully resemble the original font as closely as possible.

8. If you are Posting FHH's on your server

Please contact Borys Tkacz as soon as you post your new Forest Health Highlights so we can promptly link it to the National FHM website.

Another option is to ftp your new Forest Health Highlights to this location:

`ftp://ftp2.fs.fed.us/incoming/wo/fhp/fhh/`

Again, please notify Borys Tkacz once the file has been uploaded.