

Appendix A

REFERENCES

1. INTRODUCTION

[1-1] National Climatic Data Center, NOAA. 1998.

[1-2] Sousounis, P.J., 2000: Climate Change in the Great Lakes Region: What's at Stake? Available from Atmospheric, Oceanic, and Space Sciences Department, University of Michigan, Ann Arbor, Michigan.

[1-3] Sousounis, P.J., and others, 1999: Climate Change in the Great Lakes Region: A Workshop Report. Available from Atmospheric, Oceanic, and Space Sciences Department, University of Michigan, Ann Arbor, Michigan.

[1-4] Flato, G.M., G.J. Boer, W.G. Lee, N.A. McFarlane, D. Ramsden, M.C. Reader, and A.J. Weaver, 2000: The Canadian Centre for Climate Modelling and Analysis Global Coupled Model and its Climate. *Climate Dynamics*, 16, 451-467.

[1-5] Johns, T.C., R.E. Carnell, J.F. Crossley, J.M. Gregory, J.F.B. Mitchell, C.A. Senior, S.F.B. Tett and R.A. Wood, 1997: The Second Hadley Centre coupled ocean-atmosphere GCM: Model description, spinup and validation. *Climate Dynamics*, 13, 103-134.

[1-6] VEMAP Members, 1995: Vegetation/Ecosystem Modeling and Analysis Project (VEMAP): Comparing biogeography and biogeochemistry models in a continental-scale study of terrestrial ecosystem responses to climate change and CO₂ doubling. *Global Biogeochemical Cycles* 9(4): 407-437.

[1-7] NPA Data Services, Inc. 1998: Sources and Methods of Preparation of the 1998 Regional Economic Projection Series Data Base. August, 12 pp.

2. HISTORIC OVERVIEW AND CURRENT SITUATION

[2-1] The Great Lakes: "An Environmental Atlas and Resource Book." 1995: Government of Canada and United States Environmental Protection Agency. Available from Great Lakes National Program Office, USEPA, Chicago, IL.

[2-2] Williams, J., 1994: The Weather Almanac-1995. Vintage Books, A Division of Random House, Inc., New York.

[2-3] Eichenlaub, V., 1979: Weather and Climate of the Great Lakes Region. Notre Dame Press, 335 pp.

[2-4] Changnon, S.A., Jr., and D.M.A. Jones, 1972: Review of the influences of the Great Lakes on weather. *Water Resources Research*, 8, 360-371.

[2-5] Allardice, D.R., and W.A. Testa, 1991: The Great Lakes Economy, Looking North and South. Federal Reserve Bank of Chicago, Illinois and the Great Lakes Commission; Ann Arbor, Michigan. 163pp.

[2-6] Great Lakes / St. Lawrence Seaway System. Source: <http://www.seaway.ca>.

[2-7] The St. Lawrence Seaway Management Corporation and the St. Lawrence Seaway Development Corporation. *Great Lakes/ St. Lawrence Seaway System*. Source: <http://www.seaway.ca/english/images/heart.gif>.

[2-8] New York Power Authority, 1997-1999: The Niagara Power Project. Source: <http://www.nypa.gov/html/niagara.html>.

[2-9] Ontario Power Generation, 2000: 700 University Avenue, Toronto, Ontario, (416) 592-4008. Source: www.ontariopowergeneration.com.

3. POTENTIAL FUTURES

[3-1] Doherty, R., and L.O. Mearns, 1999: A comparison of simulations of current climate from two coupled atmosphere-ocean global climate models against observations and evaluation of their future climates.

[3-2] VEMAP Maps. Source: <http://www.cgd.ucar.edu/naco/vemap/images.html>.

[3-3] NPA Data Services, Inc. 1998: Sources and Methods of Preparation of the 1998 Regional Economic Projections Series Data Base. August. 12 pp.

FOCUS: CLIMATE CHANGE AND LAKE-EFFECT SNOW

[F3-1] Schmidlin, T.W., D.J. Edgell, and M.A. Delaney, 1992: Design ground snow loads for Ohio. *J. Appl. Meteor.*, 31, 622-627.

[F3-2] Schmidlin, T.W. and J. Kosarik, 1999: A record Ohio snowfall during 9-14 November 1996. *Bull. Amer. Meteor. Soc.*, 80, 1107-1116.

[F3-3] Braham, R.R., Jr., and M.J. Dungey, 1984: Quantitative estimates of the effect of Lake Michigan on snowfall. *J. Clim. Appl. Meteor.*, 23, 940-949.

[F3-4] Miner, T.J. and J.M. Fritsch, 1997: Lake-effect rain events. *Mon. Wea. Rev.*, 125, 3231-3248.

4. WATER RESOURCES

[4-1] Mortsch, L.D. and E.H. Quinn, 1996: Climate Change Scenarios for Great Lakes Basin Ecosystem Studies. *Limnology and Oceanography*, 41(5): 903-911.

[4-2] Croley II, T.E. 1990: Laurentian Great Lakes double-CO₂ climate change hydrological impacts. *Climatic Change*, 17, 27-47.

[4-3] Mortsch, L.D., S. Quon, L. Craig, B. Mills, B. Wrenn, editors, 1998: Adapting to climate change and variability in the Great Lakes-St. Lawrence Basin: proceedings of a binational symposium. Available from Environmental Adaptation Research Group, Environment Canada Inquiry Centre, 351 St. Joseph Blvd., Hull, Quebec, Canada, (800) 688-6767. p.193.

[4-4] Report to the National Institute for Global Environmental Change (NIGEC), April, 1999: Available from the National Center for Atmospheric Research, Boulder, Colorado.

[4-5] Frederick, K.D. and G.E. Schwarz, 1999: Socioeconomic impacts of climate variability and change. In *Specialty Conference on Potential Consequences of Climate Variability and Change to Water Resources of the United States: Proceedings*, American Water Resources Association, Atlanta, Georgia, May 10-12, 1999, 9-12.

[4-6] Assel, R.A. 1991: Implications of CO₂ global warming on Great Lakes ice cover. *Climate Change*, 18:377-395.

[4-7] Eberhardt, A.J. 1994. Lake Ontario Regulation Utilizing an Expert Systems Approach Constrained by Interest Satisfaction Relationships. In *Proc. 21st Annual Conference, Water Resources Planning and Management Division, ASCE*, pp.149-152. Denver, CO.

[4-8] Lee, D.H., A.H. Clites, and J.P. Keillor, 1997: Assessing risk in operational decisions using Great Lakes probabilistic water level forecasts. *Environmental Management*, 21:43-58.

[4-9] Chao, P.T., 1999: Great Lakes Water Resources-Climate Change Impact Analysis. *Proceedings of the Speciality Conference on Potential Consequences of Climate Variability and Change to Water Resources of the United States*. American Water Resources Association, Atlanta Georgia, May 10-12. pp. 307-310.

FOCUS: CLIMATE CHANGE AND GREAT LAKES SHIPPING/BOATING

[F4-1] Thorp, S., and D.R. Allardice, August, 1995: A Changing Great Lakes Economy: Economic and Environmental Linkages. Available from Great Lakes National Program Office, USEPA, Chicago, Illinois.

[F4-2] "Dredging and Great Lakes." The Great Lakes Dredging Team, October 1999: Great Lakes Commission, (734) 665-9135. Source: www.glc.org/projects/dredging.

[F4-3] Pearce, J., August 25, 1999. "Ships carry less cargo to avoid running aground," *Detroit News*, page 3L.

[F4-4] U.S. Army Corps of Engineers, CEWRC-NDC, 7701 Telegraph Rd., Casey Bldg., Alexandria, VA 22315. Source: <http://www.wrsc.usace.army.mil/ndc/dredge.htm>.

5. WATER ECOLOGY

[5-1] Magnuson, J.J., J.D. Meisner and D.K. Hill, 1990: Potential changes in the thermal habitat of Great Lakes fish after global climate warming. *Trans. Am. Fish. Soc.* 119, 254-264.

[5-2] Brooks, A.S. and D.N. Edgington, 1994: Biogeochemical control of phosphorus cycling and primary production in Lake Michigan. *Limnol. Oceanogr.* 39, 961-968.

[5-3] Scavia, D, G.L. Fahnenstiel, M.S. Evans, D.J. Jude and J.T. Lehman, 1986: Influence of salmonine predation and weather on long-term water quality trends in Lake Michigan. *Can. J. Fish. Aquat. Sci.* 43, 435-443.

[5-4] Blumberg, A. F., and D.M. Di Toro., 1990: Effects of climate warming on dissolved oxygen concentrations in Lake Erie. *Trans. Am. Fish. Soc.* 119, 210-213.

[5-5] McCormick, M.J., and G.A. Meadows, 1988: Inter-comparison of four mixed layer models in a shallow inland sea. *J. Geophys. Res.*, 93(C6), 6774-6788.

[5-6] McCormick, M.J., 1990: Potential changes in thermal structure and cycle of Lake Michigan due to global warming. *Trans. Am. Fish. Soc.* 119, 183-194.

[5-7] Magnuson, J.J., H.A. Regier, B.J. Shuter, D.K. Hill, J.A. Holmes, and J.D. Meisner, 1989: Potential responses of Great Lakes fishes and their habitat to global climate warming. University of Wisconsin and Toronto. U.S. Environmental Protection Agency, Washington, D. C. Report number EPA-230-05-89-055.

[5-8] Hill, D., and J.J. Magnuson, 1990: Potential effects of global climate warming on the growth and prey consumption of Great Lakes fish. *Trans. Am. Fish. Soc.*, 119, 265-275.

[5-9] Regier, H., J.A. Holmes, and D. Pauly, 1990: Influence of temperature changes on aquatic ecosystems: an interpretation of empirical data. *Trans. Am. Fish. Soc.*, 119, 374-389.

[5-10] Rowe, G.T., and J.G. Baldauf, 1995: Biofeedback in the ocean in response to climate change. 233-245. *Biotic feedbacks in the global climatic system*. G.M. Woodwell and F. T. Makcenzie eds. Oxford Univ. Press 416 p.

[5-11] Smith, S.V., 1995: Net carbon metabolism of oceanic margins and estuaries. 246-250. *Biotic feedbacks in the global climate system: Will the warming feed the warming?* G.M. Woodwell and F.T. Makcenzie eds. Oxford Univ. Press 416 p.

[5-12] Woods, J., and W. Barkmann, 1993: The plankton multiplier—positive feedback in the greenhouse. *J. Plankton Res.*, 15, 1053-1074.

[5-13] Fahnenstiel, G.L. and D. Scavia, 1986: Dynamics of Lake Michigan phytoplankton: primary production and growth. *Can. J. Fish. Aquat. Sci.*, 44, 499-508.

[5-14] Fee, E.J. 1990. Computer programs for calculating "in-situ" phytoplankton photosynthesis. Can. Tech. Rpt. Fish. Aquat. Sci. 1740. [Updated version Feb. 1998 at: <http://www.umanitoba.ca/institutes/fisheries/PSpgms.html>]

[5-15] Fahnenstiel, G.L., J.F. Chandler, H.J. Carrick and D. Scavia, 1989: Photosynthetic characteristics of phytoplankton communities in Lakes Huron and Michigan: P-I parameters and end-products. *J. Great Lakes Res.*, 15, 394-407.

FOCUS: CLIMATE CHANGE AND RIVER FLOWS

[F5-1] Burns, D.H., 1994: Hydrologic effects of climatic change in west-central Canada. *Hydrology*, 160:53-70.

[F5-2] Poff, N.L., 1997: A hydrogeography of unregulated streams in the United States and an examination of scale-dependence in some hydrologic descriptors. *Freshwater Biology*, 36:71-92.

[F5-3] Wehrly, K.E., et. al., 1997: Landscape-based models that predict July thermal characteristics of Lower Michigan Rivers. Fisheries Research Report 2037. Available from Michigan Department of Natural Resources Fisheries Division, Lansing, Michigan.

[F5-4] Abell, R., 1996: Effects of riparian forest loss on maximum summer stream temperature in a midwestern agricultural catchment. Master thesis. Available from School of Natural Resources and Environment, University of Michigan, Ann Arbor, Michigan.

[F5-5] Richards, R.P., 1990: Measures of flow variability and a new flow-based classification of Great lakes tributaries, *Journal of Great Lakes Research*, 13:667-673.

[F5-6] Benke, A.C., 1990. Concepts and patterns of invertebrate production in running waters. Verh. Internat. Verein. *Limnol.* 25:15-38.

[F5-7] Sweeney, B.W., J.K. Jackson, J.D. Newbold and D.H. Funk. 1992: Climate change and life histories and biogeography of aquatic insects in eastern North America. P 143-176 in: P. Firth and S.G. Fisher (eds.), *Global Climate Change and Freshwater Ecosystems*. Springer-Verlag, New York.

[F5-8] Eaton, J.G. and R.M. Scheller, 1996: Effects of climate warming on fish thermal habitat in streams of the United States. *Limnology and Oceanography* 41:1109-1115.

[F5-9] Hocutt, C.H., and E.O. Wiley, 1985: *The Zoogeography of North American Freshwater Fishes*. John Wiley and Sons, Inc, New York, NY.

[F5-10] Matthews, W.J, and E.J. Zimmerman, 1990: Potential effects of global warming on native fishes of the southern Great Plains and the Southwest. *Fisheries*, 15:26-32.

6. LAND ECOLOGY

[6-1] USDA Forest Service, 1999: Forest inventory and Analysis Data Base Retrieval System. Source: <http://www.srsfia.usfs.msstate.edu/scripts/ew.htm>.

[6-2] Pederson, L.D., and D.E. Chappelle, 1997: Updated estimates of jobs and payrolls in tourism and forest products industries in the Lake States. Lake States Regional Forest Resources Assessment: Technical Papers, General Technical Report NC-189. (J.M. Vasievich and H.H. Websters, eds.). Available from Lake States Forestry Alliance, Inc., Hayward, Wisconsin.

[6-3] Warbach, J.D. and D. Norberg, 1995: Michigan Society of Planning Officials Trend Futures Project: Public Lands and Forestry Trends Working Paper. Michigan Society of Planning Officials. Rochester, Michigan.

[6-4] Norgaard, K.J., 1994: Impacts of the Subdivision Control Act of 1967 on Land Fragmentation in Michigan's Townships. Ph.D. Dissertation. Available from Dept. of Agricultural Economics, Michigan State University, East Lansing, Michigan.

[6-5] Brown, D.G., and J.M. Vasievich, 1996: A Study of Land Ownership Fragmentation in the Upper Midwest. Proceedings, GIS/LIS '96 Conference, Denver, CO, 1199-1209.

[6-6] Solomon, A.M., and P.J. Bartlein, 1992: Past and future climate change: response by mixed deciduous-coniferous forest ecosystems in northern Michigan. *Canadian Journal of Forest Research*, 22, 1727.

[6-7] Jones, E.A., D.D. Reed, and P.V. Desanker, 1994: Ecological implications of projected climate change scenarios in forest ecosystems of central North America. *Agricultural and Forest Meteorology*, 72, 2-31.

[6-8] Solomon, A.M., 1986: Transient response of forests to CO₂-induced climate change: Simulation modeling experiments in eastern North America. *Oecologia*, 68, 567-579.

[6-9] Davis, M.B., and C. Zabinski, 1992: Changes in geographical range resulting from greenhouse warming: effects on biodiversity in forests. P. 297-308 in *Global Warming and Biological Diversity*, R.L. Peters and T.E. Lovejoy, eds, Yale University Press, New Haven CT.

[6-10] Iverson, L.R., and A.M. Prasad. 1998: Predicting abundance of 80 tree species following climate change in the eastern United States. *Ecological Monographs*, 68, 465-485.

[6-11] Prasad, A.M., and Iverson, L.R. 1999-ongoing: A Climate Change Atlas for 80 Forest Tree Species of the Eastern United States [database]. Source: <http://www.fs.fed.us/nedelaware/atlas/index.html>. Northeastern Research Station, USDA Forest Service, Delaware, Ohio.

[6-12] Sykes, M., I.C. Prentice, and W. Cramer, 1996: A bioclimatic model for the potential distributions of north European tree species under present and future climates. *Biogeography*, 23: 203-233.

[6-13] Sykes, M.T., and I.C. Prentice, 1996: Climate change, tree species distributions, and forest dynamics: A case study in the mixed conifer/northern hardwoods zone of northern Europe. *Climatic Change*, 34: 161-177.

[6-14] Thompson, R.S., Anderson, K.H., and Bartlein, P.J. 2000. Atlas of relations between climatic parameters and distributions of important trees and shrubs of North America. A. Introduction and Conifers. B. Hardwoods. United States Geological Survey Professional Paper 1650-A, 1650B.

[6-15] He, H.S., D.J. Mladenoff, and T.R. Crow, 1999: Linking an ecosystem model and a landscape model to study forest species response to climate warming. *Ecological Modelling*, 114, 213-233.

[6-16] Melillo, J.M., J. Borchers, J. Chaney, H. Fisher, S. Fox, A. Haxeltine, A. Janetos, D.W. Kicklighter, T.G.F. Kittel, A.D. McGuire, R. McKeown, R. Neilson, R. Nemani, D.S. Ojima, T. Painter, Y. Pan, W.J. Parton, L. Pierce, L. Pitelka, C. Prentice, B. Rizzo, N.A. Rosenbloom, S. Running, D.S. Schimel, S. Sitch, T. Smith, and I. Woodward, 1995: Vegetation/Ecosystem Modeling and Analysis Project (VEMAP): Comparing biogeography and biogeochemistry models in a continental-scale study of terrestrial ecosystem responses to climate change and CO₂ doubling. *Global Biogeochemical Cycles*, 9, 407-437.

FOCUS: CLIMATE CHANGE AND BIRD MIGRATIONS AND DISTRIBUTIONS

[F6-1] Price, J., S. Droege, and A. Price, 1995: The Summer Atlas of North American Birds. Academic Press, San Diego, California.

[F6-2] Commission for Environmental Cooperation, 1999: North American Important Bird Areas: A directory of 150 key conservation sites. Commission for Environmental Cooperation, Montreal, Quebec.

[F6-3] Chipley, R.C., 1999: Personal communication.

[F6-4] U.S. Department of the Interior, Fish and Wildlife Service and U.S. Department of Commerce, Bureau of the Census, 1997: 1996 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation. Washington, DC.

[F6-5] American Bird Conservancy, 1997: What's a bird worth? *Bird Conservation*, Spring Migration issue.

[F6-6] Price, J., 2000: An Atlas of the Potential Impacts of Climate Change on North American Wood Warblers. U.S. Environmental Protection Agency Technical Report.

[F6-7] Price, J.T., 1995: Potential Impacts of Global Climate Change on the Summer Distributions of Some North American Grassland Birds. Ph.D. Dissertation. Available from Wayne State University, Detroit, MI.

[F6-8] Price, J., 2000: Potential Impacts of Climate Change on the Summer Distributions of Some North American Grassland Birds. U.S.G.S. Technical Report.

[F6-9] Botkin, D.B., and R.A. Nisbet, 1992: Projecting the effects of climate change on biological diversity in forests. pp 277-293 in R.L. Peters and T.E. Lovejoy, eds. *Global Warming and Biological Diversity*. Yale University Press, Connecticut.

[F6-10] Sorenson, L.G., R. Goldberg, T.L. Root, and M.G. Anderson, 1998: Potential effects of global warming on waterfowl populations breeding in the Northern Great Plains. *Climatic Change*, 40: 343-369.

7. AGRICULTURE

[7-1] USDA/NASS, 1997: USDA Economics and Statistics System data sets: Crops, available online at: <http://usda.mannlib.cornell.edu/usda/usda.html>. U.S. Dept. of Agriculture, National Agricultural Statistics Service, Washington, DC.

[7-2] Changnon, S.A., and D.M.A. Jones, 1972: Review of the influences of the Great Lakes on Weather. *Water Resour. Res.*, 8, 360-371.

[7-3] Thompson, L.M., 1986: Climatic change, weather variability, and corn production. *Agron. J.*, 78:649-653.

[7-4] United States Department of Agriculture. August 1998: Economic Research Service, Staff Briefing Paper: Financial Performance of U.S. Farm Businesses, 1997.

[7-5] United States Department of Agriculture, Economic Research Service Natural Resources and Environment, Updates on Agricultural Resources and Environmental Indicators, Number 3, June 1997, Major Land Use Changes in the Contiguous 48 States.

[7-6] USDA/NASS, 1997a: USDA Economics and Statistics System data sets: Crops, available online at: <http://usda.mannlib.cornell.edu/usda/usda.html>. U.S. Dept. of Agriculture, National Agricultural Statistics Service, Washington, DC.

[7-7] Lakshminarayan, P.G., A. Bouzaher, and J.F. Shogren, 1996: Atrazine and Water Quality: An Evaluation of Alternative Policy Options. *J. Env. Management*, 48(2), 111-126.

[7-8] DiFonzo, C., and L.G. Olsen, 1997: All About the Food Quality Protection Act. *The IPM Report*, (6), n 1. Available from Michigan State University Extension, East Lansing, Michigan.

[7-9] Parry, M.L., and T.R. Carter, 1985: The Effect of Climatic Variations on Agricultural Risk. *Climate Change*, 7, 95-110.

[7-10] Wigley, T.M.L., 1999: *The Science of Climate Change: Global and U.S. Perspectives*. Pew Center on Global Climate Change Special Report. The Pew Trust, New York, NY. 48p.

[7-11] Mortsch, L.D., and F.H. Quinn, 1996: Climate change scenarios for Great Lakes Basin ecosystem studies. *Limnol. Oceanogr.*, 41(5), 903-911.

[7-12] Rosenzweig, C., and D. Hillel, 1998: *Climate Change and the Global Harvest: Potential Impacts of the Greenhouse Effect on Agriculture*. Oxford University Press, New York, 324 pp.

[7-13] Rotz, C.A., J.R. Black, D.R. Mertens, and D.R. Buckmaster. 1989. DAFOSYM: A model of the dairy forage system. *J. Production Agric.*, 2, (1):83-91.

[7-14] Jones, C.A., and J. Kiniry, 1986: *CERES-Maize: A Simulation Model of Maize Growth and Development*. Texas A&M University Press, College Station, TX, 194pp.

[7-15] Jones, J., K. Boote, S. Jagtap, G. Hoogenboom, and G. Wilkerson, 1988: *SOYGRO v5.41 Soybean Crop Growth Simulation Model*. User's Guide. Florida Agricultural Experiment Station Journal No. 8304, IFAS, University of Florida, Gainesville, FL.

[7-16] Easterling W.E., A. Weiss, C.J. Hays, and L.O. Mearns, 1998: Spatial scales of climate information for simulating wheat and maize productivity: the case of the US Great Plains. *Agric. For. Met.*, 90, 51-63.

[7-17] Adams, R.M., R.A. Fleming, C.C. Chang, B. McCarl, and C. Rosenzweig, 1995: A reassessment of the economic effects of global climate change on U.S. agriculture. *Climatic Change*, 30, 147-167.

[7-18] Pickering, N.B., J.W. Jones, and K.J. Boote, 1995: Adapting SOYGRO v5.42 for Predicting under Climate Change Conditions. In *Climate Change and Agriculture: Analysis of Potential International Impacts*. ASA Special pub. 59, Am. Soc. Agron., Madison, WI.

[7-19] Brklacich, M. and B. Smit, 1992: Implications of changes in climatic averages and variability on food production opportunities in Ontario, Canada. *Climatic Change*, 20, 1-21.

[7-20] Biere, A. and F. Worman, 1983: "Irrigation Management: Current Prospective Issues", in *Water Resources Research: Problems and Potentials for Agricultural and Rural Communities*, Napier, Scott, Easter, and Supalla, Editors, Soil Conservation Society of America.

[7-21] Fredrick, K.D., and J.C. Hanson, 1982: *Water for Western Agriculture, Resources for the Future*, Johns Hopkins University Press, Washington, D.C.

[7-22] Easterling, W. E., 1996: Adapting North American agriculture to climate change in review. *Agric. For. Met.*, 80, 1-53.

[7-23] Doering, O., M. Habeck, J. Lowenberg-DeBoer, J.C. Randolph, J.J. Johnston, B.Z. Littlefield II, M.A. Mazzocco, M. Kinwa, and R. Pfeifer, 1997: Mitigation Strategies and Unforeseen consequences: A systematic assessment of the adaptation of upper midwest agriculture to future climate change. *World Resource Review*, 9, 447-459.

[7-24] Mendelsohn, R., W.D. Nordhaus, and D. Shaw, 1996: Climate impacts on aggregate farm value: accounting for adaptation. *Agric. For. Meteorol.*, 80, 55-66.

[7-25] Mearns, L.O., C. Rosenzweig, and R. Goldberg, 1997: Mean and variance change in climate scenarios: Methods, agricultural applications, and measures of uncertainty. *Climate Change*, 35, 367-396.

FOCUS: CLIMATE CHANGE AND FRUIT PRODUCTION: AN EXERCISE IN DOWNSCALING

[F7-1] Wigley, T.M.L., 1988: The Effect of Changing Climate on the Frequency of Absolute Extreme Events, *Climate Monitor* 17, 44-55.

[F7-2] Vedin, H., 1990: Frequency of Rare Weather Events During Periods of Extreme Climate, *Geografiska Annaler* 72A, 151-155.

[F7-3] Jones, P.D., and K.R. Briffa, 1995: Growing Season Temperatures over the Former Soviet Union, *International Journal of Climatology* 15, 943-959.

[F7-4] Skaggs, R.H., and D.G. Baker, 1985: Fluctuations in the Length of the Growing Season in Minnesota, *Climatic Change* 7, 403-414.

[F7-5] Bootsma, A., 1994: Long Term (100 yr) Climatic Trends for Agriculture at Selected Locations in Canada, *Climatic Change*, 26, 65-88.

[F7-6] Andresen, J.A., and J.R. Harman, 1994: Springtime Freezes in Western Lower Michigan: Climatology and Trends, Michigan State University Agricultural Experiment Station Research Report #536, East Lansing, Michigan.

[F7-7] Brinkmann, W.A.R., 1979: Growing Season Length as an Indicator of Climatic Variations?, *Climatic Change*, 2, 127.

[F7-8] Katz, R.W., and B.G. Brown, 1992: Extreme Events in a Changing Climate: Variability is More Important than Averages, *Climatic Change*, 21, 289-302.

[F7-9] Winkler, J.A., J.P. Palutikof, J.A. Andresen, and C.M. Goodess, 1997: 'The Simulation of Daily Temperature Time Series from GCM Output. Part II: Sensitivity Analysis of an Empirical Transfer Function Methodology', *Climate*, 10, 2514-2532.

[F7-10] Winkler, J.A., J.A. Andresen, G. Guentchev, J.A. Picardy, and E.A. Waller, 2000: Comparison of GCM-projected daily maximum and minimum temperature for the Great Lakes region. *Preprints, 11th Symposium on Global Change Studies*, American Meteorological Society, pp. 42-45.

8. QUALITY OF LIFE

HUMAN HEALTH

[8-1] Martens W.J., 1998: Climate change, thermal stress and mortality changes. *Social Science and Medicine*. 46(3):331-344.

[8-2] Currie, B.M., 1999. "Heat wave claims another 29 lives in Chicago", *Associated Press*, August 1.

[8-3] Kunkel, K.E., R.A. Pielke Jr., and S.A. Changnon, 1999: Temporal fluctuations in weather and climate extremes that cause economic and human health impacts: A review. *Bull. Amer. Meteor. Soc.*, 80, 1077-1098.

[8-4] Swift, D.L. and W.M. Foster. (eds), 1999. Air pollutants and the respiratory tract. New York : Marcel Dekker, 374 p.

[8-5] Patz, J.A., and S.W. Lindsay, 1999: New challenges, new tools: the impact of climate change on infectious diseases. *Current Opinion in Microbiology*. 2, 445-51.

[8-6] Chan N.Y., K.L. Ebi, F. Smith, T.F. Wilson, and A.E. Smith. An integrated assessment framework for climate change and infectious diseases. *Environmental Health Perspectives*. 107, 329-37.

[8-7] McMichael A.J., et al. 1996: Climate change and human health, Geneva : World Health Organization.

RURAL LANDSCAPE

[8-8] Bishop, Jr., J., 1998: "Coming to Grips with Growth." *Wisconsin Natural Resources Magazine*, October.

[8-9] Mitchell, J., 1996: Our Polluted Runoff. *National Geographic*, 189, 2, 108-125.

[8-10] Grand Traverse County; 400 Boardman Avenue, Traverse City, Michigan, (213) 922-4797. Private communication with staff.

[8-11] Michigan Department of Environmental Quality. 1999. Office of the Great Lakes Activity Report. Available from Lansing, Michigan.

[8-12] Diss, A., 1998: Containing Gypsy Moth. *Wisconsin Natural Resources Magazine*, August.

RECREATION AND TOURISM

[8-13] Annin, P. and S. Begley, 1999: Great Lake Effect. *Newsweek International*, July 5.

[8-14] Woerhrle, J. and J. Bach, 1998: Playing with Fire: Global Warming in Minnesota. *Minnesotans for an Energy-Efficient Economy*, February.

[8-15] Norris, G., and A. Sylvatica, 1999: Harvard School of Public Health, Univ. of New Hampshire, 147 Bauneg Hill Road, Suite 200, North Berwick, ME 03906 USA, (207) 676-7640, private communication.

[8-16] Sharp, E., 1998: "No Snow and No Cold Weather No Good for Business Up North." *Detroit Free Press*, January 8.