

Selected Publications by Jimmie D. Chew, Ph.D.

- Zuuring, Hans R.; Chew, Jimmie D.; Jones, J. Greg. 2000. Sequential use of simulation and optimization in analysis and planning. In: Smith, Helen Y., ed. Proc. RMRS-P-17. The Bitterroot Ecosystem Management Research Project: What We Have Learned-Symposium Proceedings; 1999 May 18-20; Missoula, MT. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station: 97-103.
- Jones, J.G. and J.D. Chew. 1999 Applying Simulation and Optimization to Evaluate the Effectiveness of Fuel Treatments for Different Fuel Conditions at Landscape Scales. In: Proceedings of the Joint Fire Sciences Conference and Workshop; 1999 June 12-17; Boise Idaho.
- Jones, J. Greg; Chew, Jimmie D; Zuuring, Hans R. 1999. Applying simulation and optimization to plan fuel treatments at landscape scales. In: Gonzalez-Caban, Armando; Omi, Philip N., tech. coords. Gen. Tech. Rep. PSW-GTR-173. Proceedings of the Symposium on Fire Economics Planning, and Policy: Bottom Lines; 1999 April 5-9; San Diego, CA. Albany, CA: U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station: 229-336.
- Chew, Jimmie D. 1998. SIMPPLLE: Integrating Knowledge for Simulating Vegetative Patterns and Processes at Landscape Scales. In: Forest Management Into the Next Century: What Will Make It Work?; 1997 November 19-21; Spokane, WA. Madison, WI: Forest Products Society: p. 181.
- Chew, Jimmie D. 1997. Simulating Vegetation Patterns and Processes at Landscape Scales. In: Eleventh Annual Symposium on Geographic Information Systems Integrating Spatial Information Technologies for Tomorrow; 1997 February 17-20; Vancouver, British Columbia, Canada. 7 p.
- Carlson, Clinton E.; Arno, Stephen F.; Chew, Jimmie D.; Stewart, Catherine A. 1995. Forest Development Leading to Disturbances. In: Forest Health Through Silviculture; 1995 May 8-11; Mescalero, NM. Gen. Tech. Rep. RM-GTR-267. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station: 26-36.
- Jones, J.G.; Chew, J.D.; Sweet, M.D.; Wall, K.E.; Weldon, L.A.; Carlson, C.E. 1995. Bitterroot Ecosystem Management Research Project (BEMRP): Landscape Analysis to Support Ecosystem Management. In: Analysis in Support of Ecosystem Management: Workshop; 1995 April 10-13; Fort Collins, CO. Washington, D.C.: U.S. Department of Agriculture, Forest Service, WO Ecosystem Management Analysis Center: 220-229.
- Chew, Jimmie D.; Reinhardt, Elizabeth D. 1995. Knowledge-based systems for Larix forests. In: Schmidt, Wyman C.; McDonald, Kathy J., comp. Proceedings: Ecology and management of Larix forests: a look ahead; 1992 October 5-9; Whitefish, MT. Gen. Tech. Rep. INT-GTR-319. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station: 476-477.
- Chew, J.D. 1995. Development of a system for simulating vegetative patterns and processes at landscape scales. Missoula: University of Montana; 182 p. Ph.D. dissertation.

Chew, J.D. 1993. An expert system for the diagnosis of stand treatment needs. *AI Applications*. Vol. 7, No. 4, pp 1-11.

Haight, R.G., R.A. Monserud and J.D. Chew. 1992. Optimal harvesting with stand density targets: Managing Rocky Mountain conifer stands for multiple forest outputs. *Forest Science* 38(2): 554-574.

Lotan, James E.; Carlson, Clinton E.; Chew, Jimmie D. 1988. Stand density and growth of interior Douglas-fir. In: Schmidt, Wyman C., compiler. *Proceedings- future forests of the Mountain West: a stand culture symposium; 1986 September 29-October 3; Missoula, MT*. Gen. Tech. Rep. INT-243. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station: 185-191.