

Hazards only Personal Bibliography

Aylsworth, J.M. and Traynor, J.A. (*in press*) Landslides. In: *Environmental atlas of the Beaufort coastlands*, edited by B.R. Pelletier. Geological Survey of Canada Paper.

Aylsworth, J.M. and Hunter, J.A. (2004) A geophysical investigation of the geologic controls on landsliding and soft soil deformation in sensitive marine clay near Ottawa. In: *Proceedings of Geo-Engineering for the Society and its Environment. 57th Canadian Geotechnical Conference and the 5th joint CGS-IAH Conference*, October 24-27, Quebec.

Hunter, J.A. and **Aylsworth, J.M.** (2004) Applications of near-surface geophysical techniques for earthquake soft-soil response in Eastern Ontario. *Eos Transactions. Joint Assembly of the CGU, AGU, SEG and EEGS*, May 17-21, Montreal, Canada. Abstract 85(17): NS43A-10.

Aylsworth, J.M. and Hunter, J.A. (2003) The Ottawa Valley Landslide Project: a geophysical and geotechnical investigation of geological controls on landsliding and deformation in Leda Clay. In: *Geohazards 2003, Proceedings of the 3rd Canadian Conference on Geotechnique and Natural Hazards*, June 9 and 10, Edmonton, Alberta, Canada, p. 227-234.

Benjumea, B., Hunter, J.A., **Aylsworth, J.M.** and Pullan, S.E. (2003) Application of high-resolution seismic techniques in the evaluation of earthquake site response. *Technophysics* 368(1-4): 193-209.

Aylsworth, J.M. and Lawrence, D.E. (2003) Earthquake-induced landsliding east of Ottawa: a contribution to the Ottawa Valley Landslide Project. In: *Geohazards 2003, Proceedings of the 3rd Canadian Conference on Geotechnique and Natural Hazards*, June 9 and 10, Edmonton, Alberta, Canada, p. 77-84.

Douma, M. and **Aylsworth, J.M.** (2003) High resolution sonar profiling of earthquake-induced failures in marine clay underlying the Ottawa River; a contribution to the Ottawa Valley Landslide Project. *Extended abstract in Geohazards 2003, Proceedings of the 3rd Canadian Conference on Geotechnique and Natural Hazards*, June 9 and 10, Edmonton, Alberta, Canada, p. 364, and poster as a pdf file on the Conference Proceedings CD.

Aylsworth, J.M., Hunter, J.A., Gorrell, G.A. and Good, R. (2003) Borehole investigation of earthquake-induced soft-sediment deformation at Lefaivre: a contribution to the Ottawa Valley Landslide Project; *Extended abstract in Geohazards 2003, Proceedings of the 3rd Canadian Conference on Geotechnique and Natural Hazards*, June 9-10, Edmonton, Alberta, Canada, p. 359, and poster as a pdf file on the Conference Proceedings CD.

Percival, J.B., **Aylsworth, J.M.** and Fritz, A. (2003) Analysis of colour rhythmites in sensitive marine clays (Leda Clay) from eastern Canada: In: *Proceedings of the 12th International Clay Conference*, July 22-28, 2001, Bahia Blanca, Argentina.

Douma, M. and **Aylsworth, J.M.** (2001) High resolution sonar profiling of glacial and post-glacial sediments in the Ottawa River near L'Orignal, Ontario: In: *Current Research, Geological Survey of Canada Paper*, 2001-D4, 19 p.

Benjumea, B., Hunter, J.A., Pullan, S.E. and **Aylsworth, J.M.** (2001) Application of surface and borehole high-resolution seismic techniques in the evaluation of earthquake site response in the Ottawa Valley (Eastern Canada). In: *Geological Society of America Abstracts with Programs*, November 1-10, 2001, Boston. Abstract, 33(6): A346.

Aylsworth, J.M. and Traynor, J.A. (2001) Landslide inventory, Mackenzie corridor (southern part); *Geological Survey of Canada*, Open File 3915.

Aylsworth, J.M., Traynor, J.A. and Krusynski, G. (2001) Landslide inventory, Mackenzie Delta and adjacent Beaufort Coast. *Geological Survey of Canada*, Open File 3917.

Aylsworth, J.M., Lawrence, D.E. and Guertin, J. (2000) Did two massive earthquakes in the Holocene induce widespread landsliding and near-surface deformation in part of the Ottawa Valley, Canada. *Geology*, 28(10): 903-906.

Hunter, J.A., Burns, R.A., **Aylsworth, J.M.** and Pullan, S.E. (2000) Near-surface Seismic Reflection Studies to Outline a Buried Bedrock Basin in Eastern Ontario: In: *Current Research, Geological Survey of Canada Paper*, 2000-E13, p. 1-7.

Aylsworth, J.M., Duk-Rodkin, A., Robertson, T. and Traynor J. (2000) Landslides of the Mackenzie Valley and adjacent mountainous and coastal regions. In: *The Physical Environment of the Mackenzie Valley: A Baseline for the Assessment of Environmental Change*, edited by L.D. Dyke and G.R. Brooks. *Geological Survey of Canada Bulletin* 347, p. 167-176.

Aylsworth, J.M. (1998) Implications of global warming on landslide activity, Mackenzie Valley, NWT. In: *Abstracts, Canadian Association of Geographers Annual Meeting*, June 1998, Ottawa.

Aylsworth, J.M. and Lawrence, D.E. (1998) Retrogressive earthflows in sensitive marine clay; results of recent geotechnical investigations along the South Nation River, Ontario. In: *Abstracts with Program, Geological Society of America, 1998 Annual Meeting*, October 26-29, Toronto.

Lawrence, D.E., Morey, C.R. and **Aylsworth, J.M.** (1997) Landslides in sensitive marine clays, South Nation River valley; the role of ravines in limiting retrogression. *Canadian Geotechnical Society, 50th Canadian Geotechnical Conference*, Toronto, Preprint Volume.

Evans, S.G., Bégin, C., Lawrence, D.E., Demers, D., Grondin, G., **Aylsworth, J.M.**, Parent, M., Michaud, Y. and Brooks, G.R. (1997) A massive retrogressive landslide in sensitive Champlain Sea sediments near Saint-Boniface-de Shawinigin, Québec, April 1996. *Landslide News* (Japan Landslide Society), No. 11.

Aylsworth, J.M. and Duk-Rodkin, A. (1997) Landslides and Permafrost in the Mackenzie Valley. In: *Mackenzie Basin Impact Study, Final report*, edited by S. Cohen. Environment Canada, p. 118-122.

Dyke, L.D., **Aylsworth, J.M.**, Burgess, M.M., Nixon, F.M. and Wright, F. (1997) Permafrost in the Mackenzie Basin, its influence on land-altering processes, and its relationship to climate change. In: *Mackenzie Basin Impact Study, Final report*, edited by S. Cohen. Environment Canada, p. 112-117.

Chagnon, A., Percival, J.B., McDonald, A.M., Lalonde, A., Brun, J., **Aylsworth, J.M.** and Lawrence, D.E. (1997) A regional overview of some clays and industrial minerals, southern Quebec. *Association Internationale Pour L'Etude des Argiles, 11th International Clay Conference*, June 1997, Ottawa. *Field Excursion F8*, 48 p. (fieldguide).

Aylsworth, J.M., Lawrence, D.E. and Evans, S.G. (1997) Landslide and settlement problems in sensitive marine clay, Ottawa Valley. *Geological Association of Canada, Mineralogical Association of Canada, Joint Annual Meeting*, 1997, Ottawa, Field Trip B1, 63 p. (fieldguide).

Aylsworth, J.M., Lawrence, D.E., and Douma, M. (1997) Sensitive clay flows along the South Nation River, Ontario: a history of slope failure and the results of recent geotechnical investigations. In: *Abstract Volume, Geological Association of Canada, Mineralogical Association of Canada, Joint Annual Meeting*, 1997, Ottawa. Abstract, p. A-6.

Hyde, C.S.B., Hunter, J.A., Lawrence, D.E. and **Aylsworth, J.M.** (1997) Correlating geophysical and geotechnical parameters of landslide-prone Champlain Sea sediments. In: *Abstract Volume, Geological Association of Canada, Mineralogical Association of Canada, Joint Annual Meeting*, 1997, Ottawa. Abstract, p. A-71.

Dyke, L.D. and **Aylsworth, J.M.** (1997) Landslides in the Mackenzie Valley, NWT: Stability of Permafrost Slopes in a Warming Climate. In: *Program and abstracts, 27th Arctic Workshop*, February, 1997, Ottawa. Abstract, p. 56.

Lawrence, D.E., **Aylsworth, J.M.** and Morey, C.R. (1996) Sensitive Clay Flows Along the South Nation River, Ontario, Canada and their Impact on Land Use. In: *Proceedings of the 7th International Symposium on Landslides*, edited by K. Senneset, June, 1996, p. 479-484, Trondheim, Norway. A.A. Balkema Ltd., Rotterdam, The Netherlands.

Brooks, G.R. and **Aylsworth, J.M.** (1996) The initial phase of stream incision into the deposit of the April 1996 landslide near Saint-Boniface-de-Shawinigan, Québec. In: *Current Research, Geological Survey of Canada*, 1997-C, p. 247-252.

Bégin, C., Evans, S.G., Parent, M., Demers, D., Grondin, G., Lawrence, D.E., **Aylsworth, J.M.**, Michaud, Y., Brooks, G.R. and Couture, R. (1996) Le glissement de terrain d'avril 1996 à Saint-Boniface-de-Shawinigan, Québec: observations et données préliminaires. In: *Current Research, Geological Survey of Canada*, 1996-E, 215-223.

Aylsworth, J.M., Duk-Rodkin, A. and Dyke, L.D. (1996) Landslides and Permafrost. In: *Abstracts of Paper and Poster Sessions, Final Workshop of the Mackenzie Basin Impact Study*. Abstract, May 1996, Yellowknife.

Aylsworth, J.M., Lawrence, D.E. and Traynor, J.A. (1995) The Plage-Charron, Québec, landslide of August 5, 1994. In: *Current Research, Geological Survey of Canada Paper*, 1995-D, p. 81-86.

Brooks, G.R., **Aylsworth, J.M.**, Evans, S.G. and Lawrence, D.E. (1994) The Lemieux landslide of June 20, 1993, South Nation River valley, southeastern Ontario — a photographic record. *Geological Survey of Canada Miscellaneous Report 56*, 18 p.

Aylsworth, J.M. and Egginton, P.A. (1994) Sensitivity of slopes to climate change. In: *Mackenzie Basin Impact Study, Interim report 2*, edited by S. Cohen. Proceedings of the Sixth Biennial AES/DIAND Meeting on Northern Climate & Mid-Study Workshop of the Mackenzie Basin Impact Study, Yellowknife, Environment Canada, p. 278-283.

Aylsworth, J.M., Duk-Rodkin, A. and Egginton, P.A. (1992) The distribution of landslides in the Mackenzie Valley, NWT: material associations and controls. *Canadian Geotechnical Society, 45th Canadian Geotechnical Conference*, Toronto, Preprint Volume, p.12-1 - 12-8.