

## **List of Publications - Harry M. Jol**

93. Peterson, C.D., Vanderburgh, S., Roberts, M.C., Jol, H.M., Phipps, J. and Twichell, D. (accepted). Composition and age structure of shoreface deposits under barriers and beach plains of the Columbia River littoral cell, USA. *Marine Geology*.
92. Peterson, C.D., Jol, H.M., Vanderburgh, S., Phipps, J.B. and Gelfenbaum, G., (accepted). High-resolution dating of Late-Holocene shoreface progradation in the Columbia River Littoral cell, USA: regional correlation of coseismic retreat events. *Marine Geology*.
91. Peterson, C.D., Cruikshank, K.M., Jol, H.M., and Schlichting, R.B. (in press). Minimum run up heights of paleotsunami from evidence of sand ridge overtopping at Cannon Beach, Oregon, Central Cascadia Margin, USA. *Journal of Sedimentary Research*.
90. Baker, G.S., and Jol, H.M., 2007. Stratigraphic analyses using GPR. *Geological Society of American Special Publication 432*, 181 p.
89. Rother, H., Jol, H.M., and Shulmeister, J., 2007. Stratigraphy and tectonic implications of Late Pleistocene valley fill in the Hope Valley, Canterbury, South Island, New Zealand. *Geological Society of America Special Publication 432*: 155 – 168.
89. Mumpy, A.J., Jol, H.M., Kean, W.F., and Isbell, J.L., 2007. Architecture and sedimentology of an active braid bar in the Wisconsin River: based on 3-D ground penetrating radar. *Geological Society of America Special Publication 432*: 111 – 132.
88. Peterson, C.C., Jol, H.M., and Percy, D., and Nielsen, E.L., 2007. Groudwater surface trends from ground penetrating radar (GPR) profiles taken across Late Holocene barriers and beach plains of the Columbia River littoral system, Pacifica Northwest Coast, USA. *Geological Society of America Special Publication 432*: 59 - 76.
87. Slater, L., Comas, X., Reeves, A., and Jol, H., 2007. Surveying hydrology, ecology, and climate effects of Northern Peatlands - Peatlands geophysics workshop. *EOS, Transactions of the American Geophysical Union*, 88(42): 428.
86. Fisher, T.G., Loope, W.L., Pierce, W., and Jol, H.M., 2007. Big lake records in a little lake's sediment: an example from Silver Lake, Michigan, USA. *Journal of Paleolimnology*, 37:365-382, DOI 10.1007/s10933-0053-2
85. Moysey, S., Knight, R., and Jol, H., 2006. Texture-based classification of ground-penetrating radar images. *Geophysics*, 71(6): K111-K118.
84. Reeder, P., and Jol, H., 2006. Water resource utilization at the Qumran Archaeological site Israel. 29<sup>th</sup> Annual Applied Geography Conference, October 11 – 14, Tampa, FL, Paper of the Applied Conference, 29: 224 234.
83. Bode, J.A., Jol, H.M., Reeder, P., Freund, R.A., Bauman, P., and Nahas, C., 2006. GPR investigation of the Nuestra Senora de la Blanca church site, Burgos, Spain: Preliminary Results. *Proceedings of the Eleventh International Conference on Ground Penetrating Radar (GPR 2006)*, June 19 - 22, The Ohio State University, Columbus, Ohio, USA, Papers on CD-ROM.
82. Bode, J.A., and Jol, H.M., 2006. GPR investigation of Hapuna Beach, Hawaii: coastal and fluvial deposits. *Proceedings of the Eleventh International Conference on Ground Penetrating Radar (GPR 2006)*, June 19 - 22, The Ohio State University, Columbus, Ohio, USA, Papers on CD-ROM.
81. Jol, H.M., Grote, K.R., Smith, D.G., and Smith, N.D., 2006. Investigation of data quality problems in portions of the William River Delta, Saskatchewan, Canada. *Proceedings of the Eleventh*

- International Conference on Ground Penetrating Radar (GPR 2006), June 19 - 22, The Ohio State University, Columbus, Ohio, USA, Papers on CD-ROM.
80. Jol, H.M., Bauman, P., and Bahat, D., 2006. Looking into the Western Wall, Jerusalem, Israel. Proceedings of the Eleventh International Conference on Ground Penetrating Radar (GPR 2006), June 19 - 22, The Ohio State University, Columbus, Ohio, USA, Papers on CD-ROM.
  79. Nobes, D.C., Rother, H., van der Kruck, J., and Jol, H.M., 2006. Radar "lensing" by a small river: Can a layer of surface water improve the signal? *Near Surface Geophysics*, 4: 69-74.
  78. Jol, H.M. and Peterson, C.D., 2006. Imaging earthquake scarps and tsunami deposits in the Pacific Northwest, USA. Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP), 19<sup>th</sup> Annual Meeting, Seattle, Washington, April 2-6, Papers on CD-ROM, p. 217 – 229.
  77. Jol, H.M., Bode, J.A., Freund, R.A., Darawsha, M., Bauman, P.D., Nahas, C., Reeder, P., and Savage, C., 2006. Nazareth excavations project: a GPR perspective. Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP), 19<sup>th</sup> Annual Meeting, Seattle, Washington, April 2-6, Papers on CD-ROM, p. 1407 – 1413.
  76. Nahas, C., Bauman, P., Jol, H., Reeder, P., and Freund, R.A., 2006. Geophysical investigations at coastal archaeological sites in Israel. Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP), 19<sup>th</sup> Annual Meeting, Seattle, Washington, April 2-6, Papers on CD-ROM, p. 1397 – 1406.
  75. Smith, D.G., Jol, H.M., Smith, N.D., Kostachuk, R.A. and Pearce, C.M., 2005. The wave-dominated William River Delta, Lake Athabasca, Canada: its morphology, radar stratigraphy, and history. In: Giosan, L. and Bhattacharya, J.P., *River Deltas - Concepts, Models and Examples*, SEPM Special Publication #83, 295-318.
  74. Fisher, T.G., Jol, H.M., and Boudreau, A.M., 2005. Saginaw Lobe tunnel channels (Laurentide Ice Sheet) and their significance in south-central Michigan, USA. *Quaternary Science Reviews*, 24: 2375-2391.
  73. Havholm, K.G., Ames, D.V., Whittecar, G.R., Wenell, B.A., Riggs, S.R., Jol, H.M., Berger, G.W. and Holmes, M.A., 2004. Stratigraphy of back-barrier coastal dunes, northern North Carolina and southern Virginia. *Journal of Coastal Research*, 20: 980-999.
  72. Reeder, P., Jol, H., Freund, R. and Savage, C., 2004. Geoarchaeology of the Qumran Archaeological Site, Israel. *Focus on Geography*, 48: 12-19.
  72. Moore, L.J., Jol, H.M., Kruse, S., Vanderburgh, S., and Kaminsky, G.M., 2004. Annual layers revealed in the subsurface of a prograding coastal barrier. *Journal of Sedimentary Research*, 74: 690-696.
  71. Loope, W.L., Fisher, T.G., Jol, H.M., Goble, R.J., Anderton, J.B. and Blewett, W.L., 2004. A Holocene history of dune-mediated landscape change along the southeastern shore of Lake Superior. *Geomorphology*, 61: 303-322.
  70. Jol, H.M., Goodsell, B., Nobes, D.C., Finnemore, M., Cussins, T., de Passille, B., and Tealby, J., 2004. Preliminary results from high frequency GPR surveys and a 3D grid: Davis Snowfield, Franz Josef Glacier, New Zealand. Proceedings of the Tenth International Conference on Ground Penetrating Radar GPR 2004 (Institute of Electrical and Electronic Engineers, Inc.), Edited by E. Slob, A. Yarovoy and J. Rhebergen, June 21 - 24, Delft University of Technology, Delft, The Netherlands, Vol. II: 773-776.
  69. Jol, H.M., Deshusses, M.A., and Gostomski, P., 2004. Initial experiments on the application of ground penetrating radar to troubleshoot biofilters for air pollution control. Proceedings of the Tenth

- International Conference on Ground Penetrating Radar GPR 2004 (Institute of Electrical and Electronic Engineers, Inc.), Edited by E. Slob, A. Yarovoy and J. Rhebergen, June 21 - 24, Delft University of Technology, Delft, The Netherlands, Vol. I: 423-426.
68. Jol, H.M. and Albrecht, A., 2004. Searching for submerged lumber with ground penetrating radar: Rib Lake, Wisconsin, USA. Proceedings of the Tenth International Conference on Ground Penetrating Radar GPR 2004 (Institute of Electrical and Electronic Engineers, Inc.), Edited by E. Slob, A. Yarovoy and J. Rhebergen, June 21 - 24, Delft University of Technology, Delft, The Netherlands, Vol. II: 601-604.
  67. Jol, H.M., Stock, E., Peterson, C., and Greenaway, C., 2004. Preliminary results from GPR stratigraphic studies on Fraser Island, Australia. Proceedings of the Tenth International Conference on Ground Penetrating Radar GPR 2004 (Institute of Electrical and Electronic Engineers, Inc.), Edited by E. Slob, A. Yarovoy and J. Rhebergen, June 21 - 24, Delft University of Technology, Delft, The Netherlands, Vol. II: 543-546.
  66. Nobes, D.C., Rother, H., and Jol, H.M., 2004. Radar "lensing" by a small river. Proceedings of the Tenth International Conference on Ground Penetrating Radar GPR 2004 (Institute of Electrical and Electronic Engineers, Inc.), Edited by E. Slob, A. Yarovoy and J. Rhebergen, June 21 - 24, Delft University of Technology, Delft, The Netherlands, Vol. II: 539-542.
  65. Treague, J.J., Jol, H.M., and Peterson, C.D., 2004. A ground penetrating radar investigation of an 1805 Lewis and Clark site, Oregon, USA. Proceedings of the Tenth International Conference on Ground Penetrating Radar GPR 2004 (Institute of Electrical and Electronic Engineers, Inc.), Edited by E. Slob, A. Yarovoy and J. Rhebergen, June 21 - 24, Delft University of Technology, Delft, The Netherlands, Vol. II: 471-474.
  64. Reeder, P., Jol, H., Bauman, P. and Freund, R., 2004. Multidisciplinary research at the Cave of Letters, Israel: a melding of physical and social sciences. International Transdisciplinary Conference on Development and Conservation of Karst Regions, Hanoi, Vietnam, September 13-18.
  63. Jol, H.M., Lawton, D. and Smith, D.G., 2003. Ground penetrating radar: 2D and 3D examples from Long Beach Washington. *Geomorphology*, 53: 165-181.
  62. Jol, H.M., Bristow, C.S., Smith, D.G., Junck, M.B. and Putnam, P., 2003. Stratigraphic imaging of the Navajo Sandstone using ground-penetrating radar, *The Leading Edge*, 22(9): 882-887.
  61. Young, R.A. and Jol, H.M., 2003. An introduction – ground penetrating radar in unconsolidated and consolidated sediments. *The Leading Edge*, 22(9): 864.
  60. Moore, L.J., Kaminsky, G.M, and Jol, H.M., 2003. Linkages between shoreline progradation and El Nino southern oscillations, Southwest Washington, USA. *Geophysical Research Letters*, 30(9), 1448, doi:10.1029/2002GL016147.
  59. Fisher, T.G., Taylor, L.D. and Jol, H.M., 2003. Boulder-gravel hummocks and wavy, basal till contacts: products of subglacial meltwater flow beneath the Saginaw Lobe, south-central Michigan, U.S.A. *Boreas*, 32: 328-336.
  58. Bristow, C.S. and Jol, H.M., eds., 2003. Ground penetrating radar in Sediments. Geological Society of London, Special Publication 211, 366 p.
  57. Jol, H.M. and Bristow, C.S., 2003. GPR in sediments: advice on data collection, basic processing and interpretation, a good practice guide. In: Bristow, C.S. and Jol, H.M. (eds.), *GPR in Sediments*, Geological Society of London, Special Publication 211, 9-27.
  56. Kruse, S.E. and Jol, H.M., 2003. Amplitude and waveform analysis of repetitive GPR reflections: a Lake Bonneville Delta, Utah. In: Bristow, C.S. and Jol, H.M. (eds.), *GPR in Sediments*, Geological Society of London, Special Publication 211, 287-298.

55. Havholm, K.G., Bergstrom, N.D., Running IV, G.L., Jol, H.M., 2003. GPR survey of a Holocene Aeolian/Fluvial/Lacustrine Succession, Lauder Sand Hills, Manitoba, Canada. In: Bristow, C.S. and Jol, H.M. (eds.), GPR in Sediments, Geological Society of London, Special Publication 211, 47-54.
54. Smith, D.G., Simpson, C.J., Jol, H.M., Meyers, R.A., and Currey, D.R., 2003. Radar stratigraphy used to infer transgressive or regressive deposition and internal structure of a barrier and spit, Lake Bonneville, Stockton, Utah. USA. In: Bristow, C.S. and Jol, H.M. (eds.), GPR in Sediments, Geological Society of London, Special Publication 211, 70-86.
53. Bristow, C.S. and Jol, H.M. ,2003. An introduction to ground penetrating radar (GPR) in sediments. In: Bristow, C.S. and Jol, H.M. (eds.), GPR in Sediments, Geological Society of London, Special Publication 211.
52. Jol, H.M., 2003. Ground penetrating radar (GPR) Section. In: Coastal evolution, dynamic shoreline processes, and beach management controversies of the Columbia River Littoral Cell, Southwest Washington and Northern Oregon. A Field Guide Geological Society of America 2003 Annual Meeting, Seattle Washington, Field Trip #6 October 30 – November 1, p.52-63.
51. Jol, H.M., 2003. Ground penetrating radar (GPR) Section. In: Holocene coastal processes in the Columbia River Cell. A Field Guide for the Northwest Cell of the Friends of the Pleistocene Field Conference, Pacific County, WA and Clatsop County, OR, Sept. 26-28, p.177-189.
50. Moore, L.J., Jol, H.M., Kaminsky, G.M. and Kruse, S., 2003. Severe winter storm effects revealed in stratigraphy of prograding coastal barrier, Southwest Washington, USA. Proceedings of the 6<sup>th</sup> International Conference on Coastal Sediments 2003. May 18-23, CD-ROM. Published by World Scientific Publishing Corp and East Meets West Productions, Inc., Corpus Christi, TX, USA, ISBN 981-238-422-7.
49. Sjogren, D.B., Fisher, T.G., Taylor, L.D., Jol, H.M. and Munro-Stasiuk, M.J., 2002. Incipient tunnel channels. Quaternary International 90(1): 41-56.
48. Jol, H.M., 2002. Stop #5 Grand Sable Lake East – Ground Penetrating Radar (GPR). In: Deglaciation and Holocene landscape evolution in Eastern Upper Michigan. A Field Guide for the 48<sup>th</sup> Midwest Friends of the Pleistocene Field Conference, Grand Marais and Munising, MI, May 31 – June 2, p. 27 – 38.
47. Loope, W.L., Fisher, T.G., Jol, H.M., Anderton, J.B. and Blewett, W.L., 2002. Holocene history of Grand Sable Lake near Grand Marais, MI. In: Deglaciation and Holocene landscape evolution in Eastern Upper Michigan. A Field Guide for the 48<sup>th</sup> Midwest Friends of the Pleistocene Field Conference, Grand Marais and Munising, MI, May 31 – June 2.
46. Jol, H.M., Broshi, M., Eshel, H., Freund, R.A., Shroder, Jr., J.F., Reeder, P. and Dubay, R., 2002. GPR investigations at Qumran, Israel: site of the Dead Sea Scrolls Discovery. Ninth International Conference on Ground Penetrating Radar, Edited by S.K. Koppenjan and H. Lee, April 29 – May 2, Santa Barbara, CA, Proceedings of SPIE (The International Society for Optical Engineering), Vol. 4758: 91-95.
45. Jol, H.M., DeChaine, R.J. and Eisenman, R., 2002. Archaeological GPR investigations at Rennes-Le-Château, France. Ninth International Conference on Ground Penetrating Radar, Edited by S.K. Koppenjan and H. Lee, April 29 – May 2, Santa Barbara, CA, Proceedings of SPIE (the International Society for Optical Engineering), Vol. 4758: 125 – 129.
44. Kruse, S.E. and Jol, H.M., 2002. Amplitude and waveform analysis of repetitive GPR reflections: a Lake Bonneville Delta, Utah. Ninth International Conference on Ground Penetrating Radar, Edited by S.K. Koppenjan and H. Lee, , April 29 – May 2, Santa Barbara, CA, Proceedings of SPIE Vol. 4758: 285-290.

43. Phipps, J., Jol, H.M., Peterson, C.D., and Vanderburgh, S., 2001. Sand dune reactivation and subduction zone earthquakes in the Grayland area. *Washington Geology*, 28(3): 31-33.
42. Tercier, P., Knight, R., and Jol, H., 2000. A comparison of the correlation structure in GPR images of deltaic and barrier spit depositional environments. *Geophysics*, 65(4): 1142-1153.
41. Roberts, M.C., Vanderburgh, S. and Jol, H., 2000. Radar facies and geomorphology of the seepage face of the Brookwood aquifer, Fraser Lowland. *In: Mapping, Geophysics, and Groundwater Modelling in Aquifer Delineation, Fraser Lowland and Delta, British Columbia*. Edited by B.D. Ricketts, Geological Survey of Canada Bulletin 552: 95-102.
40. Jol, H.M., Junck, M.B. and Kaminsky, G., 2000. High resolution ground penetrating radar imaging (225 - 900 MHz) of geomorphic and geologic settings: examples from Utah, Washington, and Wisconsin. *Proceedings of the Eighth International Conference on Ground Penetrating Radar (GPR 2000)*, Edited by D.A. Noon, G.F. Stickley and D. Longstaff, May 23-26, Gold Coast, Australia, SPIE Vol. 4084: 69-74.
39. Jol, H.M., Schroder, J.F., Reeder, P. and Freund, R.A., 2000. Return to the Cave of Letters (Israel): a ground penetrating radar archaeological expedition. *Proceedings of the Eighth International Conference on Ground Penetrating Radar (GPR 2000)*, Edited by D.A. Noon, G.F. Stickley and D. Longstaff, May 23-26, Gold Coast, Australia, SPIE Vol. 4084: 882-886.
38. Junck, M.B. and Jol, H.M., 2000. 3-Dimensional investigation of geomorphic environments using ground penetrating radar. *Proceedings of the Eighth International Conference on Ground Penetrating Radar (GPR 2000)*, Edited by D.A. Noon, G.F. Stickley and D. Longstaff, May 23-26, Gold Coast, Australia, SPIE Vol. 4084: 314 - 318.
37. Kloehn, N.B., Junck, M.B., Jol, H.M., Running, G.L., Greek, D. and Caldwell, K., 2000. Ground penetrating radar investigation of the West Prairie Mound Group, central Wisconsin, U.S.A.: are they burial mounds or natural landforms? . *Proceedings of the Eighth International Conference on Ground Penetrating Radar (GPR 2000)*, Edited by D.A. Noon, G.F. Stickley and D. Longstaff, May 23-26, Gold Coast, Australia, SPIE Vol. 4084: 590-595.
26. Roberts, M.C. and Jol, H.M., 2000. The sedimentary architecture and geomorphology of a cusped spit: Tsawwassen, British Columbia. *In: Beiträge zur Quartärforschung*, Edited by: J. Völkel and H.J. Barth, Regensburger Geographische Schriften, 33: 141-156.
36. Smith, D.G., Meyers, R.A. and Jol, H.M., 1999. Sedimentology of an upper meso tidal (3.7 m) holocene barrier, Willapa Bay, SW Washington, U.S.A. *Journal of Sedimentary Research, Section B: Stratigraphy and Global Studies*, 69(6):1290-1296.
34. Peterson, C.D., Gelfenbaum, G.R., Jol, H.M., Phipps, J.B., Reckendorf, F., Twichell, D.C., Vanderburgh, S., and Woxel, L.K., 1999. Great earthquakes, high wave energy, and abundant sand supply: the battle for supremacy in the coastal evolution of the Columbia River littoral cell. *Coastal Sediments'99, Proceedings of the 4<sup>th</sup> International Conference on Coastal Engineering and Coastal Sediment Processes*, American Society of Civil Engineers, June 20-24, Long Island, NY.
33. Kaminsky, G.M., Gelfenbaum, G.R., Buijsman, M. Ruggiero, P, Peterson, C.D., Jol, H.M. and Gibbs, A. 1999. Synthesizing geological observations and process-response data for modeling coastal change at a management scale. *Coastal Sediments'99, Proceedings of the 4<sup>th</sup> International Conference on Coastal Engineering and Coastal Sediment Processes*, American Society of Civil Engineers, June 20-24, Long Island, NY.
32. Pullan, S.E.; Hunter, J.A.; Jol, H.M.; Roberts, M.C.; Burns, R.A.; and Harris, J.B. 1998. Seismostratigraphic investigations of the southern Fraser River delta. *Geology and Natural Hazards of the Fraser River Delta, British Columbia*. Edited by: J.J. Clague; D.C. Luternauer and D.C. Mosher, Geological Survey of Canada, Bulletin 525:91-122.

31. Jol, H.M., Peterson, C.D., Vanderburgh, S. and Phipps, J., 1998. GPR as a regional geomorphic tool: shoreline accretion/erosion along the Columbia river littoral cell. Proceedings of the Seventh International Conference on Ground Penetrating Radar (GPR'98), May 27-30, University of Kansas, Lawrence, KS, USA, Volume 1, 257-262.
30. Jol, H.M., Vanderburgh, S. and Havholm, K.G., 1998. GPR studies of coastal aeolian (foredune and crescentic) environments: examples from Oregon and North Carolina, U.S.A. Proceedings of the Seventh International Conference on Ground Penetrating Radar (GPR'98), May 27-30, University of Kansas, Lawrence, KS, USA, Volume 2, 681-686.
29. Jol, H.M., Parry, D. and Smith, D.G., 1998. Ground penetrating radar: applications in sand and gravel aggregate exploration. *In: Aggregate Resources: A Global Perspective*, Bobrowsky, P.T., (ed.), A.A. Balkema Publishers, 295-306.
28. Smith, D.G. and Jol, H.M. 1997. Ground penetrating radar investigation of the Peyto Delta. *Sedimentary Geology*, 113: 195-209.
27. Knight, R. Tercier, P. and Jol, H., 1997. The role of ground penetrating radar and geostatistics in reservoir description. *The Leading Edge*, 16(11), p. 1576-1582 and front cover.
26. Roberts, M.C., Bravard, J.P. and Jol, H.M. 1997. Radar facies of an avulsed channel of the Rhone river: Marais des Avenieres, near Aoste, France. *Journal of Quaternary Science*, 12(1): 35-42.
25. Jol, H.M., Smith, D.G., Meyers, R.A. and D.C. Lawton 1996. Ground penetrating radar: high resolution stratigraphic analysis of coastal and fluvial environments. *In: Stratigraphic Analysis using Advanced Geophysical, Wireline and Borehole Technology for Petroleum Exploration and Production*, Pacht, J.A., Sheriff, R.E. and Perkins, B.F. (eds.), Gulf Coast Section Society of Economic Paleontologists and Mineralogists Foundation 17<sup>th</sup> Annual Research Conference, p. 153-163.
24. Jol, H.M., Smith, D.G. and Meyers, R.A. 1996. Digital ground penetrating radar (GPR): An improved and very effective geophysical tool for studying modern coastal barriers (examples for the Atlantic, Gulf and Pacific coasts, U.S.A.). *Journal of Coastal Research*, 12(4), p. 960-968.
23. Jol, H.M., Smith, D.G. and Meyers, R.A. 1996. Three dimensional GPR imaging: of a fan-foreset delta: an example from Brigham City, Utah, U.S.A. Proceedings of the Sixth International Conference on Ground Penetrating Radar (GPR'96), September 30 - October 3, Sendai, Japan, 33-37.
22. Jol, H.M., Young, R., Fisher, T.G., Smith, D.G. and Meyers, R.A. 1996. Ground penetrating radar of eskers, kame terraces, and moraines: Alberta and Saskatchewan, Canada. Proceedings of the Sixth International Conference on Ground Penetrating Radar (GPR'96), September 30 - October 3, Sendai, Japan, 439-443.
21. Fisher, S.C., Stewart, R.R. and Jol, H.M. 1996. Ground penetrating radar (GPR) data enhancement using seismic techniques. *Journal of Environmental and Engineering Geophysics*, 1(2), p. 89-96.
20. Meyers, R., Smith, D.G., Jol, H.M. and Peterson, C.R. 1996. Evidence for eight great earthquake-subsidence events detected with ground-penetrating radar, Willapa barrier, Washington. *Geological Society of America, Geology*, 24, p. 99-102.
19. Jol, H.M. and Smith, D.G. 1995. Ground penetrating radar of peatlands for oil field pipelines in Canada. *Journal of Applied Geophysics*, 34, p. 109-123.
18. Smith, D.G. and Jol, H.M. 1995. Wasatch Fault (Utah), detected and displacement characterized by ground penetrating radar. *Bulletin of the Association of Engineering Geologists*, 1, p. 489-496.
17. Jol, H.M. 1995. Ground penetrating radar antennae frequencies and transmitter powers compared for penetration depth, resolution and reflection continuity. *Geophysical Prospecting*, 43, p. 693-709.

16. Fisher, T.G., Jol, H.M. and Smith, D.G. 1995. Catastrophic flood deposits (Aggregate) examined with ground penetrating radar, N.E. Alberta, Canada. *Canadian Geotechnical Journal*, 32, p. 871-879.
15. Smith, D.G. and Jol, H.M. 1995. Ground penetrating radar: antennae frequencies and maximum probable depths of penetration in Quaternary sediments. *Journal of Applied Geophysics*, 33, p. 93-100.
14. Jol, H.M., Meyers, R.A., Lawton, D.C. and Smith, D.G. 1994. A detailed ground penetrating radar investigation of a coastal barrier spit, Long Beach, Washington, U.S.A. *In: Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP)*, Bell, R.S. and Lepper, C.M. (eds.), Boston, Massachusetts, March 27-31, 1994, 1, p. 107-127.
13. Jol, H.M. Smith, D.G. and Meyers, R.A. 1994. Ground penetrating radar of lakeshore spits in northwestern Saskatchewan, Canada: variable internal structure and inferred depositional process. *In: Proceeding of the Fifth International Conference on Ground Penetrating Radar*, Kitchener, Ontario, June 12-16, 2, p. 817-830.
12. Lawton, D.C., Jol, H.M. and Smith, D.G. 1994. Ground penetrating radar surveys for near-surface characterization and contaminant mapping: example from the Canada Creosote site, Calgary. *In: Proceeding of the Fifth International Conference on Ground Penetrating Radar*, Kitchener, Ontario, June 12-16, 3, p. 1275-1282.
11. Meyers, R.A., Smith, D.G., Jol, H.M. and Hay, M.B. 1994. Internal structure of Pacific Coast barrier spits using ground penetrating radar. *In: Proceeding of the Fifth International Conference on Ground Penetrating Radar*, Kitchener, Ontario, June 12-16, 2, p. 831-842.
10. Fisher, S.C., Stewart, R.R. and Jol, H.M. 1994. Processing ground penetrating radar. *In: Proceeding of the Fifth International Conference on Ground Penetrating Radar*, Kitchener, Ontario, June 12-16, 2, p. 661-676.
9. Lawton, D.C. and Jol, H.M. 1994. Ground penetrating radar investigation of the Canada Creosote site, Calgary. *Canadian Society of Exploration Geophysicists, Recorder*, 19(4), p. 13-18.
8. Jol, H.M. and Roberts, M.C. 1992. The seismic facies of a tidally influenced Holocene Delta: Boundary Bay, Fraser River delta, B.C. *Sedimentary Geology*, 77, p. 173-184.
7. Jol, H.M. and Smith, D.G. 1992. Geometry and structure of deltas in large lakes: a ground penetrating radar overview. *In: Fourth International Conference on Ground Penetrating Radar*, June 8-13, Rovaniemi, Finland, Pauli Hänninen and Sini Autio (eds.), Geological Survey of Finland, Special Paper 16, p. 159-168.
6. Jol, H.M. and Smith, D.G. 1992. Ground penetrating radar; recent results. *Canadian Society of Exploration Geophysicists, Recorder*, 17(10), p. 15-20.
5. Smith, D.G. and Jol, H.M. 1992. Ground penetrating radar investigation of a Lake Bonneville delta, Provo level, Brigham City, Utah. *Geological Society of America, Geology*, 20, p. 1083-1086.
4. Smith, D.G. and Jol, H.M. 1992. GPR results used to infer depositional processes of coastal spits in large lakes. *In: Fourth International Conference on Ground Penetrating Radar*, June 8-13, Rovaniemi, Finland, Pauli Hänninen and Sini Autio (eds.), Geological Survey of Finland, Special Paper 16, p. 169-177.
3. Jol, H.M. and Smith, D.G. 1991. Ground penetrating radar of northern lacustrine deltas. *Canadian Journal of Earth Sciences*, 28, p. 1939-1947.
2. Pullan, S.E., Jol, H.M., Gagne, R.M. and Hunter, J.A. 1989. Compilation of high resolution "optimum offset" shallow seismic reflection profiles from the southern Fraser River Delta, British Columbia. Geological Survey of Canada, Open File No. 1992, 16 pp.

1. Jol, H.M. and Roberts, M.C. 1988. The seismic facies of a delta onlapping an offshore island: Fraser River Delta, British Columbia. *In: Sequences, Stratigraphy, Sedimentology: Surface and Subsurface*, James, D.P. and Leckie, D.A. (eds.), Canadian Society of Petroleum Geologists, Memoir 15, p. 137 - 142.
- 

**Harry M. Jol**

Department of Geography and Anthropology  
University of Wisconsin-Eau Claire  
105 Garfield Avenue  
P.O. Box 4004  
Eau Claire, WI 54702-4004 U.S.A.

Office: (715) 836-3472  
Fax (24 hr): (715) 836-6027  
Residence: (715) 834-1250  
Website: [www.uwec.edu/jolhm](http://www.uwec.edu/jolhm)  
E-mail: [jolhm@uwec.edu](mailto:jolhm@uwec.edu)