

Daniel B. Stone — Publications

Stone, D. B., and B. Raup. "Accumulation in the Ellsworth Mountains: Potential Implications for Assessments of Net Surface Mass Balance in Antarctica," presented at the *Seventh International Symposium on Antarctic Glaciology*, Milano, Italy, August 2003.

Stone, D. B., C. L. Moomaw and A. Davis. "Estimating Recharge Distribution by Incorporation Runoff from Mountainous Areas in an Alluvial Basin in the Great Basin Region of the Southwestern United States," *Ground Water*, **39**(6), 807-818 (2001).

Fontaine, R. C., and D. B. Stone. "Simulating Pit Lake Filling Using the LAK2 Package for MODFLOW," in *MODFLOW 98 Proceedings (Golden, Colorado, October 1998)*, Vol. 1, pp. 227-234. E. Poeter et al., Eds. Golden, Colorado: Colorado School of Mines, 1998.

Stone D. B., and R. C. Fontaine. "Simulation of Groundwater Fluxes during Open-Pit Filling and under Steady-State Pit Lake Conditions," in *Bridging Gaps in Technology and Culture (Conference on Hazardous Waste Research, Snow Bird, Utah, May 1998)*, pp. 32-42.

Stone, D. B. "Addressing Nonuniqueness and Data Limitations in a Regional-Scale Groundwater Flow Model for Crescent Valley, Nevada (Abstract)," *EOS Trans. AGU*, **80**(F6), Fall Meeting Supplement, F342 (1999).

Stone, D. B., G.K.C. Clarke and R. M. Ellis. "Inversion of Borehole Response Test Data for Estimation of Subglacial Hydraulic Properties," *J. Glaciol.*, **43**(143), 103-113 (1997).

Stone, D. B., and G.K.C. Clarke. "In Situ Measurements of Basal Water Quality and Pressure As an Indicator of the Character of Subglacial Drainage Systems," *Hydrol. Process.*, **10**, 615-628 (1996).

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Meier, M. F., S. Lundstrom, D. B. Stone, B. Kamb, H. Engelhardt, N. Humphrey, W. W. Dunlap, M. Fahenstock, R. M. Krimmel and R. A. Walters. "Mechanical and Hydrologic Basis for the Rapid Motion of a Large Tidewater Glacier: Part I. Observations," *J. Geophys. Res.*, **99**(B8), 15,219-15,229 (1994).

Stone, D. B. "Subglacial Hydraulic Conductivity and Water Flow Velocity: A Comparison of In Situ Measurements from Vastly Different Glaciers," presented at the *24th Arctic Workshop*, Institute of Arctic and Alpine Research, Boulder, Colorado, March 17-19, 1994.

Stone, D. B., M. F. Meier, K. J. Lewis and J. T. Harper. "Drainage Configuration and Scales of Variability in the Subglacial Water System (Abstract)," *EOS Trans. AGU*, **75**(44), Fall Meeting Supplement, 222 (1994).

Stone, D. B. *Characterization of the Basal Hydraulic System of a Surge-Type Glacier: Trapridge Glacier, 1989-92*. Ph.D. Thesis, University of British Columbia, Canada, 1993.

Stone, D. B., and G.K.C. Clarke. "Estimation of Subglacial Hydraulic Properties from Induced Changes in Basal Water Pressure: A Theoretical Framework for Borehole Response Tests," *J. Glaciol.*, **39**(132), 327-340. (1993).

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Stone, D .B., and G.K.C. Clarke. “Monitoring Subglacial Drainage Conditions with Combined Basal Measurements of Water Pressure Turbidity, and Electrical Conductivity,” presented at the International Workshop on Glacier Hydrology, Cambridge, United Kingdom, September 1993.

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