

## 5.0 REFERENCES

- Arabasz, W. J. and D. R. Julander (1986). Geometry of seismically active faults and crustal deformation within the Basin and Range-Colorado Plateau transition, in *Cenozoic Tectonics of the Basin and Range Province: A Perspective on Processes and Kinematics of an Extensional Origin*, L. Mayer, Editor, *Geol. Soc. Am. Special Paper 208*, 43-74.
- Arabasz, W. J. and M. K. McCarter (2000). Mine seismicity and the interface between mining engineers and seismologists (abstract), *Seismol. Res. Letters* **71** (1), 220.
- Arabasz, W. J., S. J. Nava, and W. T. Phelps (1997). Mining seismicity in the Wasatch Plateau and Book Cliffs coal mining districts, Utah, USA, in *Rockbursts and Seismicity in Mines*, S. J. Gibowicz and S. Lasocki (eds.), Rotterdam: A. A. Balkema, 111-116.
- Arabasz, W. J. and M. Wyss (1999). Spatially-varying b-values in coal-mining seismicity in Utah: Inferred influence of heterogeneity and stress differences on local mean magnitude (abstract), *Eos, Trans. Am. Geophys. Union* **80** (46), F651.
- Bjarnason, I. T. (1987). Contemporary tectonics of the Wasatch front region, Utah, from earthquake focal mechanisms, *M.S. Thesis*, University of Utah, Salt Lake City, Utah, 79 pp.
- Bjarnason, I. T. and J. C. Pechmann (1989). Contemporary tectonics of the Wasatch Front region, Utah, from earthquake focal mechanisms, *Bull. Seism. Soc. Am.* **79**, 731-755.
- Boler, F. M., S. Billington, and R. K. Zipf (1997). Seismological and energy balance constraints on the mechanism of a catastrophic bump in the Book Cliffs Coal Mining District, Utah, U.S.A., *Int. J. Rock Mech. Min. Sci.* **34**, 27-43.
- Brown, N. A. (1995). Union Pacific instrumental in developing Wyoming trona, *Mining Engineering*, February 1995, 135-141.
- Committee on Seismic Signals from Mining Activity, National Research Council (1998). *Seismic Signals from Mining Operations and the Comprehensive Test Ban Treaty: Comments on a Draft Report by a Department of Energy Working Group*, National Academy Press, Washington, D.C., 68 pp., <<http://stills.nap.edu/html/signals/index.html>>.
- Gearino, J. (2000). 1 injured in Solvay trona mine collapse, *Casper Star Tribune*, January 31, 2000.
- Gibowicz, S. J. (1990). Keynote lecture: The mechanism of seismic events induced by mining, in *Rockbursts and Seismicity in Mines*, C. Fairhurst (ed.), Rotterdam: A. A. Balkema, 3-27.
- Habermann, R. E. (1995). Opinion [on quality issues of seismicity catalogs], *Seism. Res. Letters* **66** (5), 3.
- Hintze, L. F. (1988). *Geologic History of Utah*, Brigham Young University Geology Studies Special Publication 7, Department of Geology, Brigham Young University, Provo, Utah, 202 pp.
- Jahanbani, F. R. (1999). *1998 Annual Review and Forecast of Utah Coal Production and Distribution*, State of Utah Department of Natural Resources, Salt Lake City, Utah, 37 pp.

- Johnson, C. E. and D. M. Hadley (1976). Tectonic implications of the Brawley earthquake swarm, Imperial Valley, California, January 1975, *Bull. Seism. Soc. Am.* **66**, 1133-1144.
- Keller, G. R., R. B. Smith, and L. W. Braile (1975). Crustal structure along the Great Basin-Colorado Plateau transition from seismic refraction studies, *J. Geophys. Res.* **80**, 1093-1098.
- Klein, F. W. (1978). Hypocenter location program HYPOINVERSE, *U.S. Geol. Surv., Open-File Rept. 78-694*, 113 pp.
- Knoll, P. and W. Kuhnt (1990). Seismological and technical investigations of the mechanics of rockbursts, in *Rockbursts and Seismicity in Mines*, C. Fairhurst (ed.), Rotterdam: A. A. Balkema, 129-138.
- Larsen, K. (1997). Cottonwood Canyon Tract lease-by-application no. 8 spring map, Energy West Mining Company, scale 1:24,000.
- Loeb, D. T. (1986). The P-wave velocity structure of the crust-mantle boundary beneath Utah, *M.S. Thesis*, University of Utah, Salt Lake City, Utah, 126 pp.
- Loeb, D. T. and J. C. Pechmann (1986). The P-wave velocity structure of the crust-mantle boundary beneath Utah from network travel-time measurements, *Earthquake Notes* **57** (1), 10.
- Miller, L. (2000). 4.2 quake triggers rock slide on U.S. 6, *Salt Lake Tribune*, March 8, 2000.
- Patton, H. J. and G. Zandt (1991). Seismic moment tensors of western U.S. earthquakes and implications for the tectonic stress field, *J. Geophys. Res.* **96**, 18,245-18,259.
- Pechmann, J. C., S. J. Nava, and W. J. Arabasz (1999). Installation and calibration of five new broadband digital telemetry stations in Utah, *Seism. Res. Letters* **70**, 244.
- Pechmann, J. C., W. R. Walter, S. J. Nava, and W. J. Arabasz (1995). The February 3, 1995,  $M_L$  5.1 seismic event in the trona mining district of southwestern Wyoming, *Seism. Res. Letters* **66** (3), 25-34 [minor correction, including revision of the magnitude to  $M_L$  5.2, added in **66**, no. 4, 28].
- Phillips, W. S., D. C. Pearson, X. Yang, and B. W. Stump (1999). Aftershocks of an explosively induced mine collapse at White Pine, Michigan, *Bull. Seism. Soc. Am.* **89**, 1575-1590.
- Richards, P. G. (1997). Seismological methods of verification and the International Monitoring System, in *The Comprehensive Test Ban Treaty: Issues and Answers*, M. Mckinzie (ed.), New York: Cornell University Peace Studies Program Occasional Paper No. 21, Ch. 7.
- Richardson, A. M., L. J. Gilbride, J. Trackemas, and J. Mercier (1996). The influence of massive sandstones in the main roof on longwall support loading, in *Proceedings, 15<sup>th</sup> International Conference on Ground Control in Mining*, L. Ozdemir, K. Hanna, K. Y. Haramy, and S. Peng (eds.), Colorado School of Mines, Golden, Colorado, 95-109.

- Roller, R. C. (1965). Crustal structure in the eastern Colorado Plateaus province from seismic refraction measurements, *Bull. Seism. Soc. Am.* **55**, 107-119.
- Taylor, S. T. (1994). False alarms and mine seismicity: An example from the Gentry Mountain mining region, Utah, *Bull. Seism. Soc. Am.* **84**, 350-358.
- Swanson, P. L. and F. M. Boler (1995). The magnitude 5.3 seismic event and collapse of the Solvay Trona Mine: Analysis of pillar/floor failure stability, *U.S. Bureau of Mines Open File Rept. 86-9*, 82 pp.
- Uhrhammer, R. A., W. Karavas, and B. Romanowicz (1998). Broadband seismic station installation guidelines, *Seism. Res. Lett.* **69**, 15-26.
- Walter, W. R., S. L. Hunter, and L. A. Glen (1996). Preliminary report on LLNL mine seismicity deployment at the Twentymile Coal Mine, *Technical Report UCRL-ID-122800*, Lawrence Livermore National Laboratory, Livermore, California, 20 pp.
- Walter, W. R., J. Swenson, W. Foxall, P. Vincent, A. J. Rodgers, and J. Bhattacharyya (2000). Complete regional waveform modeling for source and structure: A source example using the January 30, 2000 mine collapse in Wyoming, Abstract for Poster Presentation, 12<sup>th</sup> Annual IRIS Meeting, May 7-11, Rockport, Maine.
- Wiemer, S. and M. Wyss (1994). Seismic quiescence before the Landers (M = 7.5) and Big Bear (M = 6.5) 1992 earthquakes, *Bull. Seism. Soc. Am.* **84**, 900-916.
- Wiemer, S., R. Zuniga, and A. Allman (1995). ZMAP Version 2.1, May 1995 [interactive software program], Geophysical Institute, University of Alaska.
- Williams, D. J. and W. J. Arabasz (1989). Mining-related and tectonic seismicity in the East Mountain area, Wasatch Plateau, Utah, *PAGEOPH* **129**, 345-368.
- Wong, I. G. (1993). Tectonic stresses in mine seismicity: Are they significant?, in *Rockbursts and Seismicity in Mines* **93**, R. P. Youngs (ed.), Rotterdam: A. A. Balkema, 273-278.
- Wong, I. G. and J. R. Humphrey (1989). Contemporary seismicity, faulting, and the state of stress in the Colorado Plateau, *Geol. Soc. Am. Bull* **101**, 1127-1146.
- Wong, I. G., J. R. Humphrey, J. A. Adams, and W. J. Silva (1989). Observations of mine seismicity in the eastern Wasatch Plateau, U.S.A.: A possible case of implosional failure, *PAGEOPH* **129**, 369-405.
- Wong, I. G. and A. McGarr (1990). Implosional failure in mining-induced seismicity: A critical review, in *Rockbursts and Seismicity in Mines*, C. Fairhurst (ed.), Rotterdam: A. A. Balkema, 45-51.
- Woods, B. B., S. Kedar, and D. V. Helmberger (1993).  $M_L:M_0$  as a regional seismic discriminant, *Bull. Seism. Soc. Am.* **83**, 1167-1183.

Yang, X., B. W. Stump, and W. S. Phillips (1998). Source mechanism of an explosively induced mine collapse, *Bull. Seism. Soc. Am.* **88**, 843-854.

Zuniga, R. and M. Wyss (1995). Inadvertent changes in magnitude reported in earthquake catalogs: Their evaluation through b-value estimates, *Bull. Seism. Soc. Am.* **85**, 1858-1866.