

REFERENCES

- Anderson, R.E., 1971. Tectonic setting of Amchitka Island, Alaska. U.S. Geological Survey, Report USGS-474-75, Rev. 1, 46p.
- Andricevic, R., J. Daniels, and R. Jacobson, 1994. Radionuclide migration using a travel time transport approach and its application in risk analysis. *Journal of Hydrology*, 163:125-145.
- Andrecevic, R. and V. Cvetkovic, 1996. Evaluation of risk from contaminants migrating by groundwater. *Water Resources Research*, 32(3):611-621.
- Armstrong, R.H., 1977. Weather and Climate, in Merritt, M.L. and R.G. Fuller, editors, 1977. The Environment of Amchitka Island Alaska. Energy Research and Development Administration, Technical Information Center, pp.53-58.
- Ballance, W.C., 1970a. Hydraulic testing of hole UAe-7h, Amchitka Island, Alaska. U.S. Geological Survey, Report USGS-474-84, 31p.
- Ballance, W.C. 1970b. Hydraulic tests in hole UA-1 and water inflow into an underground chamber, Amchitka Island, Alaska. U.S. Geological Survey, Report USGS-474-72, 54p.
- Ballance, W.C., 1972a. Hydraulic tests in drill hole UAe-1, Amchitka Island, Alaska. U.S. Geological Survey, Report USGS-474-102, 32p.
- Ballance, W.C., 1972b. Hydraulic tests in hole UAe-6h, Amchitka Island, Alaska. U.S. Geological Survey, Report USGS-474-104, 27p.
- Ballance, W.C. and G.A. Dinwiddie, 1972. Hydraulic testing of hole UA-1-HTH-1, Amchitka Island, Alaska. U.S. Geological Survey, Report USGS-474-144, 27p.
- Ballance, W.C., 1973a. Hydraulic tests in hole UAe-2, Amchitka Island, Alaska. U.S. Geological Survey, Report USGS-474-103.
- Ballance, W.C., 1973b. Hydraulic tests in hole UAe-3, Amchitka Island, Alaska. U.S. Geological Survey, Report USGS-474-26, Rev. 1, 30p.
- Bath, G.D., W.J. Carr, L.M. Gard Jr. and W.D. Quinlivan, 1972. Interpretation of an aeromagnetic survey of the Amchitka Island Area, Alaska. U.S. Geological Survey, Professional Paper 707, 25p.
- Bath, G.D., C.H. Miller and W.D. Quinlivan, 1971. Interpretation of a gravity survey of Amchitka Island, Alaska. U.S. Geological Survey, Report USGS-474-93 (Amchitka-24), 54p.
- Bear, J., 1972. *Dynamics of Fluids in Porous Media*. American Elsevier, New York.
- Bedford, R.G. and D.D. Jackson, 1965. Volatilities of the fission product and uranium oxides. Lawrence Livermore National Laboratory, UCRL-12314, 37 p.

- Beetem, W.A., R.A. Young, C.L. Washington and L.J. Schroder, 1971. Chemical analyses of water samples collected on Amchitka Island, Alaska. U.S. Geological Survey, Report USGS-474-135 (Amchitka-29), 23p.
- Borg, I.Y., 1975. Radioactivity trapped in melt produced by a nuclear explosion. *Nuclear Technology*, 26:88-100.
- Borg, I.Y., R. Stone, H.B. Levy and L.D. Ramspott, 1976. Information pertinent to the migration of radionuclides in ground water at the Nevada Test Site, Part 1: Review and analysis of existing information. Lawrence Livermore National Laboratory, Report UCRL-52078 Part 1, 216 p.
- Bourcier, W.L., S. Roberts, D.K. Smith, S. Hulsey, L. Newton, A. Sawvel, C. Bruton, C. Papelis, W. Um, C. Russell and J. Chapman, 2001. Determination of Reactive Surface Area of Melt Glass. *In review* with the U. S. Department of Energy, Nevada Operations Office.
- Bredehoeft, J.D. and I.S. Papadopoulos, 1965. Rates of vertical groundwater movement estimated from the Earth's thermal profile. *Water Resources Research*, 1(2):325-328.
- Buddemeier, R.W. and J.R. Hunt, 1988. Transport of colloidal contaminants in groundwater: radionuclide migration at the Nevada Test Site. *Appl. Geochem.* 3:535-548.
- Carr, W.J., L.M. Gard, G.D. Bath and D.L. Healey, 1971. Earth-science studies of a nuclear test area in the western Aleutian Islands, Alaska: An Interim Summary of Results. Geological Society of America Bulletin, 82:699-706.
- Carr, W.J., L.M. Gard Jr. and W.D. Quinlivan, 1969. Geologic reconnaissance of Amchitka Island, Alaska, December 1966. U.S. Geological Survey, Report USGS-474-42 (Amchitka-3) (distributed in 1970 and reprinted in 1971), 15 p.
- Carr, W.J. and W.D. Quinlivan, 1969. Progress report on the geology of Amchitka Island, Alaska. U.S. Geological Survey, Report USGS-474-44 (Amchitka-5) (revised), 15p.
- Castagnola, D.C., 1969. Tritium anomalies on Amchitka Island, Alaska, Parts I and II. Teledyne Isotopes Report for the U.S. Atomic Energy Agency, Nevada Operations Office, NVO-1229-113 Part 1, 41p and 15p.
- Claassen, H.C., 1978. Hydrologic processes and radionuclide distribution in a cavity and chimney produced by the Cannikin nuclear explosion, Amchitka Island, Alaska. U.S. Geological Survey, Professional Paper 712-D, 28p.
- Cooper, H.J., J.D. Bredehoeft and I.S. Papadopoulos, 1967. Response of a finite-diameter well to an instantaneous charge of water. *Water Resources Research*, 3(1):263-269.
- Cvetkovic, V. and G. Dagan, 1994. Transport of kinetically sorbing solutes by steady random velocity in heterogeneous porous formations. *Journal of Fluid Mech.*, 265, 189-215.
- Cvetkovic, V., J. O. Selroos and H. Cheng, 1999. Transport of reactive tracers in rock fractures. *Journal of Fluid Mech.*, 378, 335-356.

- Dagan, G., V. Cvetkovic and A. Shapiro, 1992. A solute flux approach to transport in heterogeneous formations, 1, The general framework. *Water Resources Research*, 28(5):1369-1376.
- Diersch, J.J.G., 1998. Interactive, graphics-based finite-element simulation system FEFLOW for modeling groundwater flow contaminant mass and heat transport processes. FEFLOW Reference Manual, WASY Ltd., Berlin, 294 p.
- Dudley, Jr., W.W., W.C. Ballance and V.M. Glanzman, 1977. Hydrology, in Merritt, M.L. and R.G. Fuller, editors, 1977. The environment of Amchitka Island, Alaska. Energy Research and Development Administration, Technical Information Center, pp.35-51p.
- Dupuis, M., 1970. Distribution and evolution of radioelements after a nuclear explosion. Bull. Infor. Sci. Tech., 149: Lawrence Livermore National Laboratory, 1972, UCRL-Trans-10617-5.
- Essington, E.H., P.R. Fenske and W.E. Nork, 1970. Radioactivity in Water, Project Milrow. Teledyne Isotopes report for the U.S. Atomic Energy Commission, Nevada Operations Office, NVO-1229-135, 49p.
- Essington, E.H., E.J. Forslow and D.C. Castagnola, 1971. An interim summary of tritium data for STS "A," Amchitka Island, Alaska, July 1, 1969 through June 30, 1970. Teledyne Isotopes Report, NVO-1229-157, 82p.
- Essington, E.H. and J.V.A. Sharp, 1968. Some aspects of ground-water solution chemistry, underground nuclear explosion zones, Nevada Test Site. In Eckel, E.B., Nevada Test Site, Geological Society of America Memoir 110, pp. 263-273.
- Faure, G., 1977. *Principles of Isotope Geology*. John Wiley and Sons, New York, 464p.
- Fenix and Scisson, Inc., 1972. Abandonment of Drilled Holes, Amchitka Island Alaska. Report prepared for U.S. Atomic Energy Commission under contract AT(26-1)-38, 68p.
- Fenske, P.R., 1972a. Event-related hydrology and radionuclide transport at the Cannikin Site, Amchitka Island, Alaska. Desert Research Institute, Center for Water Resources Research, Report 45001, NVO-1253-1, 41p.
- Fenske, P.R., 1972b. Hydrology and radionuclide transport, Amchitka Island, Alaska. Desert Research Institute, Technical Report Series H-W, Hydrology and Water Resources Publication No. 12, 29p.
- Freeze, R.A. and J.A. Cherry, 1979. *Groundwater*, Prentice-Hall, Inc., Englewood Cliffs, New Jersey, 604 p.
- Frick, U., W. Alexander, B. Baeyens, P. Bossart, M.H. Bradbury, Ch. Bühler, J. Eikenberg, Th. Fierz, W. Heer, E. Hoehn, I.G. McKinley and P.A. Smith, 1991. Grimsel Test Site - The Radionuclide Migration Experiment - Overview of Investigations 1985-1990. National Cooperative for the Disposal of Radioactive Waste Technical Report 91-94.

- Garber, M.S., 1971. A method for estimating effective porosity in a rubble chimney formed by an underground nuclear explosion. U.S. Geological Survey, Professional Paper 750-C, pp. C207-C209.
- Gard, L.M., 1977. Geologic History, *in* Merritt, M.L. and R.G. Fuller, editors, 1977. The environment of Amchitka Island, Alaska. Energy Research and Development Administration, Technical Information Center, pp.13-34p.
- Gard Jr., L.M., 1972. Chemical analyses of igneous rocks from drill holes and outcrops, Amchitka Island, Alaska (Including Working-Point Rocks of Long Shot, Milrow and Cannikin Events). U.S. Geological Survey, Report USGS-474-140, 19p.
- Gard Jr., L.M., 1971, Geological and hydrological considerations at the Cannikin Site. U.S. Geological Survey informal report.
- Gard Jr., L.M. and W.E. Hale, 1964. Geology and hydrology of the Long Shot Site, Amchitka Island, Alaska. U.S. Geological Survey, Technical Letter Long Shot-1, 32p.
- Gates, O., G.D. Fraser and G.L. Snyder, 1954. Preliminary report on the geology of the Aleutian Islands. *Science*, v.119, pp.446-447.
- Gelhar, L.W. and C.L. Axness, 1983. Three-dimensional stochastic analysis of macrodispersion in aquifers. *Water Resources Research*, 19(3):1643-1644.
- GeoTrans, Inc., 1995. A fracture/porous media model of tritium transport in the underground weapons testing areas, Nevada Test Site. Report prepared for the U.S. Department of Energy, 39 p.
- Glasstone, S. and J. Dolan, 1977. *The Effects of Nuclear Weapons*, 3rd edition. U.S. Department of Defense and U.S. Department of Energy, 653p.
- Goishi, W., J.W. Meadows, N. Namboodiri, D.K. Smith and J.F. Wild, 1995. Radionuclide inventory for U.S. nuclear tests conducted off the NTS and hydronuclear and safety experiments conducted on the NTS, Lawrence Livermore National Laboratory, UCRL-ID-121901.
- Goishi, W., B. Esser, J. Meadows, N. Namboodiri, D. Smith, J. Wild, S. Bowen, P. Baca, L. Olivas, C. Geoffrion, J. Thompson and C. Miller, 1994. Total radionuclide inventory associated with underground nuclear tests conducted at the Nevada Test Site 1955-1992. Los Alamos National Laboratory, LA-CP-94-0222, 242 p.
- Gonzalez, D.D., 1977. Hydraulic effects of underground nuclear explosions, Amchitka Island, Alaska. Ph.D. Dissertation, Colorado State University, Fort Collins, Colorado, 141p.
- Gonzalez, D.D. and L.E. Wollitz, 1972. Hydrological effects of the Cannikin Event. *Bulletin of the Seismological Society of America*, 62(6):1527-1542.
- Goode, D.J., 1990. Particle velocity interpolation in block-centered finite difference groundwater flow models. *Water Resources Research*, 26:925-940.

- Green, G.W., 1965. Some hydrological implications of temperature measurements in exploratory drillholes, Project Long Shot, Amchitka Island, Alaska. U.S. Geological Survey Technical Letter Geothermal-1, 8 p.
- Hampton, C.M. and D.K. Bailey, 1984. Gas extraction experiments on volcanic glasses. *Journal of Non-Crystalline Solids*, 67:147-168.
- Hess, K.M., S.H. Wolf and M.A. Celia, 1992. Large-scale natural gradient tracer test in sand and gravel, Cape Cod, Massachusetts, 3, Hydraulic conductivity variability and calculated macrodispersivities. *Water Resources Research*, 28(8):2011-2027.
- Holmes and Narver, Inc., 1976. Amchitka Island Map Atlas. U.S. Atomic Energy Commission, Nevada Operations Office, Archive and Records Center, 41 sheets.
- International Atomic Energy Agency (IAEA), 1998. The radiological situation at the Atolls of Mururoa and Fangataufa, Volume 4, Releases to the Biosphere of Radionuclides from Underground Nuclear Weapons Tests at the Atolls, IAEA, Austria, 270p.
- IT Corporation, 1998. Report and analysis of the BULLION forced-gradient experiment. Prepared for DOE/NV. Report DOE/NV/13052-042. Variable paging. Las Vegas, NV.
- Kersting, A.B., 1996. The state of the hydrologic source term. Lawrence Livermore National Laboratory, UCRL-ID-126557, 30 p.
- Kinzelbach, W., 1988. The random walk method in pollutant transport simulation. In *Groundwater Flow and Quality Modeling*, edited by E. Custodio, A. Gurgui and J. P. Lobo Ferreira, 227-246, Norwell, Mass.
- Kirkorian, O.H., 1981. Predictive calculations of volatilities of metals and oxides in steam-containing environments. Lawrence Livermore National Laboratory, UCRL-85553, 27 p.
- Krefet, A. and A. Zuber, 1978. On the physical meaning of the dispersion equation and its solutions for different initial and boundary conditions. *Chem. Eng. Sci.*, 33, 1471-1480.
- LaBolle, E., J. Quastel, G. Fogg and J. Gravner, 2000. Diffusion processes in composite porous media and their integration by random walks: Generalized stochastic differential equations with discontinuous coefficients. *Water Resources Research*, 36:651-662.
- LaBolle, E., G. Fogg and A.F.B. Tompson, 1996. Random-walk simulation of solute transport in heterogeneous porous media: Local mass-conservation problem and implementation methods, *Water Resources Research*, 32:583-593.
- Lee, W.H. and L.M. Gard, Jr., 1971. Summary of the subsurface geology of the Cannikin Site, Amchitka Island, Alaska. U.S. Geological Survey, Report USGS-474-132, Amchitka 6-4, 24p.
- Lee, W.H., 1969a. Some physical properties of rocks in drill hole UAe-2, Amchitka Island, Alaska. U.S. Geological Survey, Report USGS-474-5, 12p.

- Lee, W.H., 1969b. Some physical properties of rocks in drill hole UAe-1, Amchitka Island, Alaska. U.S. Geological Survey, Report USGS-474-48, 13p.
- Lee, W.H., 1969c. Some physical properties of rocks in drill hole UAe-3, Amchitka Island, Alaska. U.S. Geological Survey, Report USGS-474-6, 11p.
- Lee, W.H., 1969d. Some physical properties of rocks in drill hole UAe-6c, Amchitka Island, Alaska. U.S. Geological Survey, Report USGS-474-33, 13p.
- Lee, W.H. and R.H. Morris, 1968. Preliminary lithologic log of drill hole UAe-1 from 5,000 to 7,000 feet, Amchitka Island, Alaska. U.S. Geological Survey, Report 474-47, 3p.
- McKeown, F.A., D.D. Dickey and R.C. Bucknam, 1970. Ground displacement measurements, *in* U.S. Geological Survey, Geologic and Hydrologic Effects of the Milrow Event, Amchitka Island, Aleutian Islands, Alaska. U.S. Geological Survey, Report USGS-474-71 (Amchitka-20), pp.18-43.
- McKeown, F.A., R.A. Young, W.P. Williams and G.E. Brethauer, 1967. Geologic Effects of the Long Shot Explosion, Amchitka Island, Alaska. U.S. Geologic Survey, Technical Letter, Long Shot-3, 73 p.
- Merritt, M.L. and R.G. Fuller, editors, 1977. The environment of Amchitka Island, Alaska. Energy Research and Development Administration, Technical Information Center, 682p.
- Merritt, M.L., 1977. Geographic setting, *in* Merritt, M.L. and R.G. Fuller, editors, 1977. The Environment of Amchitka Island Alaska. Energy Research and Development Administration, Technical Information Center, pp.1-11.
- Merritt, M.L., 1973. Physical and biological effects, Cannikin. U.S. Atomic Energy Commission, Nevada Operations Office, Las Vegas, Nevada, report NVO-123, 106p.
- Moreno, L., Y. Tsang, F. Hale, and I. Neretnieks, 1988. Flow and tracer transport in a single fracture: A stochastic model and its relation to some field observations. *Water Resources Research*, 24(12):2033-2048.
- Morris, R.H. and L.M. Gard, 1970. Visible geologic effects, *in* U.S. Geological Survey, Geologic and Hydrologic Effects of the Milrow Event, Amchitka Island, Aleutian Islands, Alaska. U.S. Geological Survey, Report USGS-474-71, Amchitka-20, pp.3-17.
- NAGRA (National Cooperative for the Disposal of Radioactive Waste), 1994. Kristallin-I Safety Assessment Report. National Cooperative for the Disposal of Radioactive Waste, Technical Report 93-22, 396p.
- Nork, W.E. and P.R. Fenske, 1970. Radioactivity in Water - Project Rulison. U.S. Atomic Energy Commission, Nevada Operations Office, Report NVO-1229-131, 14p.
- Nork, W.E., J.V.A. Sharp and C.L. Carnahan, 1965. Ground-water safety feasibility project Long Shot. Hazleton-Nuclear Science Corporation, Palo Alto, California, 49p.

- Ohl, J.P., 1973. Bibliography of published reports by U.S. Geological Survey personnel on the geology and hydrology of the Amchitka Supplemental Test Area, Aleutian Islands, Alaska, 1969-72. U.S. Geological Survey, Report USGS-474-164, 15p.
- Peters, R.R., E.A. Klavetter, I.J. Hall, S.C. Blair, P.R. Heller and G.W. Gee, 1984. Fracture and matrix hydrologic characteristics of tuffaceous materials from Yucca Mountain, Nye County, Nevada. Sandia National Laboratories Report SAND84-1471.
- Pohll, G., A. E. Hassan, J. Chapman, C. Papelis and R. Andricevic, 1999. Modeling groundwater flow and radioactive transport in a fractured aquifer. *Groundwater*, 37(5):770-784.
- Pohll, G., J. Chapman, A. Hassan, C. Papelis, R. Andricevic and C. Shirley, 1998. Evaluation of groundwater flow and transport at the Shoal underground nuclear test: An interim report. Desert Research Institute, Water Resources Center, Publication #45162, DOE/NV/11508-35, 123 p.
- Pohlmann, K., J. Chapman, A. Hassan and C. Papelis, 1999. Evaluation of groundwater flow and transport at the Faultless underground nuclear test, Central Nevada Test Area. Desert Research Institute, Water Resources Center, Publication #45165, DOE/NV/11508-41.
- Pollock, D.W., 1988. Semianalytical computation of path lines for finite difference models. *Groundwater*, 26:743-750.
- Rabb, D.D., 1970. Particle-Size Distribution Study: Piledriver Event. Proc. Symp. Engineering with Nuclear Explosives, CONF-700101, Vol. 2, pp. 888-908.
- Rehfeldt, K., O. Crici, J. Renier and J. Marie, 1996. Hydrologic parameter data documentation package, underground test area subproject, Phase I Data analysis Task, Vol. IV. IT Corp., prepared for U.S. Department of Energy, Environmental Restoration Program, 21 p.
- Sass, J.H. and T.H. Moses, Jr., 1969. Subsurface temperatures from Amchitka Island, Alaska. U.S. Geological Survey, Technical Letter, USGS-474-20 (Amchitka-16), 5 p.
- Schafer-Perini, A.L. and J.L. Wilson, 1991. Efficient and accurate front tracking for two-dimensional groundwater flow models. *Water Resources Research*, 27:1471-1485.
- Schwartz, L., A. Piwinskii, F. Ryerson, H. Tewes and W. Beiriger, 1984. Glass produced by underground nuclear explosions. *Journal of Non-Crystalline Solids*, 67:559-591.
- Shapiro, A.M. and V. Cvetkovic, 1988. Stochastic analysis of solute arrival time in heterogeneous porous media. *Water Resources Research*, 24:1711-1718.
- Smith, D.K. and W.L. Bourcier, 1999. The Production and Dissolution of Nuclear Explosive Melt Glasses at Underground Test Sites in the Pacific Region. International Atomic Energy Agency, Proceedings of Symposium on Marine Pollution, held in Monaco, 5-9 October 1998, IAEA-TECDOC-1094, IAEA-SM-354/81, pp.169-174.
- Smith, D.K., B.K. Esser and J.L. Thompson, 1995. Uncertainties Associated with the Definition of a Hydrologic Source Term for the Nevada Test Site. Lawrence Livermore National Laboratory, UCRL-ID-120322, 21 p.

- Smith, D.K., 1995. Characterization of nuclear explosive melt debris. *Radiochimica Acta*, 69:157-167.
- Smith, D.K., 1997. Radionuclides recommended by the UGTA Source and Transport Subcommittee of significance for remedial investigations at the Nevada Test Site. Memorandum from Lawrence Livermore National Laboratory to Janet Wille, IT Corporation, copied to Robert Bangerter, DOE, dated April 2, 1997.
- Smith, D.K., A.B. Kersting, J.M. Kenneally, J.H. Rego and J.L. Thompson, 1997. Hydrologic resources management program FY 1996 Progress Report. Lawrence Livermore National Laboratory, UCRL-ID-126886, 40 p.
- Snow, D.T., 1968. Rock fracture spacings, openings and porosities. *Journal Soil Mech. Found. Div., Proc. Amer. Soc. Civil Engineers*, 94, pp.73-91.
- Snyder, R.P., 1969a. Preliminary lithologic log of UAe-2, from 0 to 3,580 feet, Amchitka Island, Alaska. U.S. Geological Survey, Report USGS-474-52, 2p.
- Snyder, R.P., 1969b. Preliminary lithologic log of drill hole UAe-2, from 3,580 feet to 6,500 feet (TD). U.S. Geological Survey, Report USGS-474-53, 2p.
- Stallman, R.W., 1965. Steady one-dimensional fluid flow in a semi-infinite porous medium with sinusoidal surface temperature. *Journal of Geophysical Research*, 70(12):2821-2827.
- Stenhouse, M.J. and J. Pottinger, 1994. Comparison of sorption databases used in recent performance assessments involving crystalline host rock. *Radiochemical Acta*, 66/67:267-275.
- Tompson, A. F. B. and L. W. Gelhar, 1990. Numerical simulation of solute transport in three-dimensional, randomly heterogeneous porous media. *Water Resources Research*, 26(10):2541-2562.
- Tompson, A.F.B., C.J. Bruton and G.A. Pawloski (editors), 1999. Evaluation of the Hydrologic Source Term From Underground Nuclear Tests in Frenchman Flat at the Nevada Test Site: The Cambrian Test. Lawrence Livermore National Laboratory report UCRL-ID-132300, 319p.
- Triay, I.R., A. Meijer, J.L. Conca, K.S. Kung, R.S. Rundberg, B.A. Strietelmeier, C.D. Tait, D.L. Clark, M.P. Neu and D.E. Hobart, 1997. Summary and Synthesis Report on Radionuclide Retardation for the Yucca Mountain Site Characterization Project. Los Alamos National Laboratory, Report LA-13262-MS, 274 p.
- Triay, I.R., K.H. Birdsell, A.J. Mitchell and M.A. Ott, 1993. Diffusion of sorbing and non-sorbing radionuclides. *In Proceedings of the Fourth Annual International High Level Radioactive Waste Management Conference*, Las Vegas, NV, April 26-30, Vol. 2. American Nuclear Society, pp.1527-1532.
- U.S. Army Corps of Engineers and U.S. Geological Survey, 1965. Project Long Shot Amchitka Island, Alaska, Geologic and Hydrologic Investigations (Phase I). Unnumbered report.

- U.S. Atomic Energy Commission, 1967. Site-selection Report, Supplemental Test Site Program, Amchitka Island. Prepared by Holmes and Narver for U.S. AEC (no document number), 14p.
- U.S. Department of Energy, 1982. Long-Term Hydrologic Monitoring Program, Amchitka Island, Alaska. Nevada Operations Office report NVO-242, 26p.
- U.S. Department of Energy. 2000. United States Nuclear Tests July 1945 Through December 1992. DOE/NV-209 (Rev. 15), 162p.
- U.S. Geological Survey, 1970. Geologic and hydrologic effects of the Milrow Event, Amchitka Island, Aleutian Islands, Alaska. U.S. Geological Survey, Report USGS-474-71 (Amchitka-20), 76p.
- U.S. Geological Survey, 1972. Geologic and hydrologic effects of the Cannikin underground nuclear explosion, Amchitka Island, Aleutian Islands, Alaska. U.S. Geological Survey, Report USGS-474-148 (Amchitka-33), 87p.
- Voss, C. I., 1984. SUTRA – Saturated-unsaturated transport: A Finite-element simulation model for saturated-unsaturated, fluid-density-dependent groundwater flow with energy or chemically reactive single-species solute transport. U.S. Geological Survey, Water-Resources Investigations Report WRIP 84-4369 (revised 1990, 1997), 409p.
- von Huene, R., W.J. Carr, D. McManus and M. Holmes, 1971. Marine geophysical study around Amchitka Island, Western Aleutian Islands, Alaska. U.S. Geological Survey, Report USGS-474-74 (Amchitka-22), 31p.
- Walter, G.R., 1982. Theoretical and experimental determination of matrix diffusion and related solute transport properties of fractured tuffs from the Nevada Test Site. Los Alamos National Laboratory, Report LA-9471-MS.
- Wheatcraft, S. W., 1995. Seawater intrusion model of Amchitka Island, Alaska. Desert Research Institute, Water Resources Center, Publication #45127, DOE/NV/10845-59.
- White, A.F., 1983. Surface chemistry and dissolution kinetics of glassy rocks at 25°C. *Geochim. et Cosmochim. Acta*, 47:805-815.