

REFERENCES

- Abramowitz, M., and I.A. Stegun (1972). *Handbook of mathematical functions*, Dover, New York, 1,046 pp.
- Abt, S.R., J.F. Ruff, and R.J. Wittler (1991). "Estimating flow through riprap." *J. Hydraul. Eng.*, 117(5), 670–675.
- Adams, E.E. (1982). "Dilution analysis for unidirectional diffusers." *J. Hydr. Div.*, 108(HY3), 327–342.
- ASCE (1959). "Time of concentration for overland flow." *Civil Engineering*, March 1959.
- ASCE (1976). "Design and construction of sanitary and storm sewers." *ASCE Manuals and Reports on Engineering Practice No. 37*, New York, 332 pp.
- ASCE (1988). *Evaluation procedures for hydrologic safety of dams*, New York, 95 pp.
- ASCE (1989). *Civil engineering guidelines for planning and designing hydroelectric developments*, New York.
- ASCE (1996). "Hydrology handbook." *ASCE Manuals and Reports on Engineering Practice No. 28*, 2d Ed., New York, 784 pp.
- Anderson, M.P., and W.W. Woessner (1992). *Applied groundwater modeling*, Academic, San Diego, 381 pp.
- ASTM (1995). "Standard guide for risk-based corrective action applied at petroleum release sites." *E1 1739-95*, West Conshohocken, Pa., 51 pp.
- Avon, L., and T.J. Durbin (1994). "Evaluation of the Maxey-Eakin method for estimating recharge to ground-water basins in Nevada." *Water Resources Bulletin*, 30(1), Feb. 1994, 99–111.
- Baehr, A.T. (1987). "Selective transport of hydrocarbons in the unsaturated zone due to aqueous and vapor phase partitioning." *Water Resources Research*, 23(10), 1923–1938.
- Bair, E.S., A.E. Springer, and G.S. Roadcap (1992). "An analytical flow model for simulating confined, leaky confined, or unconfined flow to wells with superposition of regional water levels." CAPZONE, IGWMC, Colorado School of Mines, Golden, Colo.

- Bansal, M.K. (1971). "Dispersion in natural streams." *J. Hydr. Div.*, 97(HY11), 1867–1886.
- Barfield, B.J., R.C. Warner, and C.T. Haan (1981). *Applied hydrology and sedimentology for disturbed areas*, Oklahoma Technical, Stillwater, Okla., 603 pp.
- Batu, V. (1998). *Aquifer hydraulics: A comprehensive guide to hydrogeologic data analysis*, Wiley, New York, 727 pp.
- Bear, J. (1979). *Hydraulics of groundwater*, McGraw-Hill, New York, 569 pp.
- Bouwer, H., and R.C. Rice (1976). "A slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells." *Water Resources Research*, 12(3), 423–428.
- Bouwer, H. (1989). "The Bouwer and Rice slug test—an update." *Ground Water*, 27(3), May–June 1989, 304–309.
- Bouwer, H., J.T. Back, and J.M. Oliver (1999). "Predicting infiltration and groundwater mounds for artificial recharge." *J. Hydrol. Eng.*, 4(4), 350–357.
- Bradley, C., and D.J. Gilvear (2000). "Saturated and unsaturated flow dynamics in a floodplain wetland." *Hydrological Processes*, 14(16–17), Nov.–Dec. 2000, 2945–2958.
- Bras, R.L. (1990). *Hydrology, an introduction to hydrologic science*, Addison-Wesley, Reading, Mass., 643 pp.
- Brater, E.F., H.W. King, J.E. Lindell, and C.Y. Wei (1996). *Handbook of hydraulics*, McGraw-Hill, New York.
- Brooks, R.H. and A.T. Corey (1964). "Hydraulic properties of porous media." *Hydrology Papers*, No. 3, Colorado State University, Fort Collins, Colo.
- Campbell, D.B., and P.C. Johnson (1984). "RCC dam incorporates innovative hydraulic features." *Water resources development: Proc. of the conf. of the Hydraulics Div.*, August 14–17, 1984, 138–142.
- CAP (2001). "Culvert Analysis Program." <http://www.waterengr.com/freeprog.htm>.
- Carlsaw, H.S., and J.C. Jaeger (1984). *Conduction of heat in solids*, Oxford Univ. Press, New York, 510 pp.
- Central Board of Irrigation and Power (CBIP) (1971). "Manual on river behaviour control and training." *Publication No. 40*, New Delhi, India, 432 pp.
- Chamani, M.R., and N. Rajaratnam (1994). "Jet flow on stepped spillways." *J. Hydraul. Eng.*, 120(2), 254–259.
- Chanson, H. (1994). "Comparison of energy dissipation between nappe and skimming flow regimes on stepped chutes." *J. Hydraulic Research*, 32(2), 213–218.
- Chapra, S.C. (1997). *Surface water-quality modeling*, McGraw-Hill, New York, 844 pp.
- Charbeneau, R.J. (2000). *Groundwater hydraulics and pollutant transport*, Prentice Hall, Upper Saddle River, N.J., 593 pp.
- Chin, D.A. (1985). "Outfall dilution: The role of a far-field model." *J. Environ. Eng.*, 111(4), 473–486.
- Chow, V.T. (1959). *Open-channel hydraulics*, McGraw-Hill, New York, 680 pp.
- Chow, V.T., ed. (1964). *Handbook of applied hydrology*, McGraw-Hill, New York.
- Coastal Engineering Research Center (CERC) (1984). *Shore protection manual*. Dept. of the Army, Corps of Engineers, Waterways Experiment Station, Vicksburg, Miss.
- Code of Federal Regulations 18 (CFR 18) (1999). Chapter 1, Conservation of Power and Water Resources, and Part 380, Regulations Implementing the National

- Environmental Policy Act, Office of the Federal Register, National Archives and Records Admin., U.S. Government Printing Office, Washington, D.C.
- Code of Federal Regulations 18 (CFR 18) (1999). Chapter 1, Federal Energy Regulatory Comm., U.S. Dept. of Energy, Washington, D.C.
- Code of Federal Regulations 40 (CFR 40), Part 1500 (1999). Office of the Federal Register, National Archives and Records Admin., U.S. Government Printing Office, Washington, D.C.
- Cooper, H.H., 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), 1st qtr. 1967, 263–269.
- Creager, W.D., and J.D. Justin (1950). *Hydroelectric handbook*, Wiley, New York.
- Crippen, J.R. (1982). "Envelope curves for extreme flood events." *J. Hydr. Div.*, 108(HY10), 1208–1212.
- Dalton, F.E., and R.S. La Russo (1979). "Chicago's TARP solves problems in big way." *Water & Wastes Engineering*, Technical Publishing Co.
- Davis, C.V., and K.E. Sorensen, eds. (1970). *Handbook of applied hydraulics*, McGraw-Hill, New York.
- Delleur, J.W. (1999). *The handbook of groundwater engineering*, CRC, Boca Raton, Fla.
- Domenico, P.A., and G.A. Robbins (1985). "A new method of contaminant plume analysis." *Ground Water*, 23(4), 476–485.
- Domenico, P.A. (1987). "An analytical model for multidimensional transport of a decaying contaminant species." *J. Hydrology*, 91, 49–58.
- Domenico, P.A., and F.W. Schwartz (1998). *Physical and chemical hydrogeology*, 2d Ed., Wiley, New York, 506 pp.
- Donovan, D.J., and T. Katzer (2000). "Hydrologic implications of greater groundwater recharge to Las Vegas Valley, Nevada." *JAWRA*, 36(5), Oct. 2000, 1133–1148.
- Dragun, J. (1988). "The soil chemistry of hazardous materials." *Hazardous Materials Control Research Institute*, Greenbelt, Md.
- Driscoll, F.G. (1989). *Groundwater and wells*, 2d Ed., Johnston Filtration Systems, Inc., St. Paul, Minn., 1,089 pp.
- Duffield, G.M., and J.O. Rumbaugh (1989). "Aquifer test solver, AQTESOLV." Geraghty & Miller, Inc., Reston, Va., 134 pp.
- Eheart, J.W., A.J. Wildermuth, and E.E. Herricks (1999). "The effects of climate change and irrigation on criterion low streamflows used for determining total maximum daily loads." *JAWRA*, 35(6), Dec. 1999, 1365–1372.
- Federal Emergency Management Agency (FEMA) (1993). "Flood insurance study guidelines and specifications for study contractors." *FEMA 37*, Washington, D.C.
- Fetter, C.W. (1999). *Contaminant hydrogeology*, 2d Ed., Prentice Hall, Upper Saddle River, N.J., 500 pp.
- Fetter, C.W. (2001). *Applied hydrogeology*, 4th Ed., Prentice Hall, Upper Saddle River, N.J., 598 pp.
- Fiering, M.B., and B.B. Jackson (1971). "Synthetic streamflows." *Water Resources Monograph 1*, American Geophysical Union, Washington, D.C., 98 pp.
- Fischer, H.B., J.E. List, R.C.Y. Koh, J. Imberger, and N.H. Brooks (1979). *Mixing in inland and coastal waters*, Academic, New York, 483 pp.

- Foster, G.R., K.G. Renard, D.C. Yoder, D.K. McCool, and G.A. Weesies (1996). *RUSLE user's guide*. Soil and Water Conservation Soc., 173 pp.
- Fread, D.L. (1988). "The NWS DAMBRK model." Hydrologic Research Lab., Office of Hydrology, National Weather Service, NOAA, Silver Spring, Md.
- Freeze, R.A., and J.A. Cherry (1979). *Groundwater*, Prentice Hall, Upper Saddle River, N.J., 604 pp.
- Gale Research Co. (1985). *Climates of the states*. Volumes 1 and 2, Book Tower, Detroit, Mich., 1,572 pp.
- Gerbert, W.A., D.J. Graczyk, and W.R. Drug (1989). *Average annual runoff in the United States, 1951–1980*, Hydrologic Investigations Atlas, U.S. Geological Survey, Reston, Va.
- Glover, R.E. (1985). *Transient ground water hydraulics*. Water Resources Publications, Highlands Ranch, Colo.
- Golze, A.R., ed. (1977). *Handbook of dam engineering*, Van Nostrand Reinhold, New York, 793 pp.
- Graf, J.B. (1995). "Measured and predicted velocity and longitudinal dispersion at steady and unsteady flow, Colorado River, Glen Canyon Dam to Lake Mead." *Water Resources Bulletin*, 31(2), 265–281.
- Haan, C.T. (1977). *Statistical methods in hydrology*, Iowa State Univ. Press, Ames, Iowa, 378 pp.
- Hampton, D.R. (1990). "Monitoring of free products in wells: Purposes and pitfalls." *4th national outdoor action conf. on aquifer restoration, ground water monitoring and geophysical methods*, Assoc. of Ground Water Scientists and Engineers & U.S. Environmental Protection Agency, Las Vegas, Nev., May 14–17.
- Hawkins, R.H., A.T. Hjelmfelt, and A.W. Zevenbergen (1985). "Runoff probability, storm depth, and curve numbers." *J. Irrig. Drain. Div.*, 111(4), Dec. 1985, 330–340.
- Hershfield, D.M. (1961). "Rainfall frequency atlas of the United States." *Technical Paper No. 40*, U.S. Dept. of Commerce, Weather Bureau, Washington, D.C., 115 pp.
- Huff, F.A., and J.R. Angel (1989). "Frequency distributions and hydroclimatic characteristics of heavy rainstorms in Illinois." *ISWS/BUL-70/89*, Illinois State Water Survey, Champaign, Ill., 177 pp.
- Hutcheson, M.R. (1998). "Implementation of acute criteria for conservative substances." *JAWRA*, 34(5), 1025–1033.
- Illinois Pollution Control Board (IPCB) (2001). "Tiered Approach to Corrective Action Objectives (TACO)." *35 Ill. Adm. Code Part 742-R97-12(A)*, Bureau of Land, Springfield, Ill.
- Javandel, I., and C.F. Tsang (1986). "Capture-zone type curves: A tool for aquifer cleanup." *Ground Water*, 24(5), Sep.–Oct. 1986, 616–625.
- Johnson, P.C., C.C. Stanley, M.W. Kemblowski, D.L. Buyers, and J.D. Colthart (1990). "A practical approach to the design, operation, and monitoring of in-situ soil-venting systems." *Ground Water Monitoring Review*, 10(2), 159–178.
- Johnson, T.L. (1999). "Design of erosion protection for long-term stabilization." *NUREG-1623, draft report*, U.S. Nuclear Regulatory Comm., Washington, D.C.
- KYPIPE2 and KYPIPE3 (1992). *Hydraulic network analysis program*, Civil Engineering Software Center, Univ. of Kentucky, Lexington, Ky.

- Leps, T.M. (1973). *Flow through rockfill, in embankment-dam engineering*, R.C. Hirschfeld and S.J. Poulos, eds., Wiley, New York, 87–107.
- Levy, B., and R. McCuen (1999). "Assessment of storm duration for hydrologic design." *J. Hydrol. Eng.*, 4(3), 209–213.
- Linsley, R.K., J.B. Franzini, D.L. Freyberg, and G. Tchobanoglous (1992). *Water-resources engineering*, 4th Ed., McGraw-Hill, New York, 841 pp.
- Long, J.C.S., and P.A. Witherspoon (1985). "The relationship of the degree of interconnection to permeability in fracture networks." *J. Geophysical Research*, 90(B4), March 10, 1985, 3087–3098.
- Long, J.C.S., J.S. Remer, C.R. Wilson, and P.A. Witherspoon (1982). "Porous media equivalents for networks of discontinuous fractures." *Water Resources Research*, 18(3), June 1982, 645–658.
- Low, H.S. (1989). "Effect of sediment density on bed-load transport." *J. Hydraul. Eng.*, 115(1), 124–138.
- Lyman, W.J., W.F. Reehl, and D.H. Rosenblatt (1984). *Handbook of chemical property estimation methods*, McGraw-Hill, New York.
- Maidment, D.R., ed. (1993). *Handbook of hydrology*, McGraw-Hill, New York, 1,404 pp.
- Martin, J.L., and S.C. McCutcheon (1999). *Hydrodynamics and transport for water quality modeling*, CRC, Boca Raton, Fla., 794 pp.
- Maynard, S.T., J.F. Ruff, and S.R. Abt (1989). "Riprap design." *J. Hydraul. Eng.*, 115(7), 937–949.
- Mays, L.W., ed. (1999). *Hydraulic design handbook*, McGraw-Hill, New York.
- McCuen, R.H.M., S.L. Wong, and W.J. Rawls (1984). "Estimating urban time of concentration." *J. Hydraul. Eng.*, 110(7), 887–904.
- McCuen, R.H.M. (1998). *Hydrologic analysis and design*, 2d Ed., Prentice Hall, Upper Saddle River, N.J., 814 pp.
- Miller, J.F. (1963). *Probable maximum precipitation and rainfall frequency data for Alaska*, U.S. Dept. of Commerce, Weather Bureau, Washington, D.C.
- Monsonyi, E. (1963). *Water power development*, Hungarian Academy of Sciences, Budapest, Hungary.
- Muellerhoff, W.P., A.M. Soldate, D.J. Baumgartner, M.D. Schuldt, L.R. Davis, and W.E. Frick (1985). "Initial mixing characteristics of municipal ocean discharges." *EPA/600/3-85/073*, U.S. Environmental Protection Agency, Washington, D.C.
- National Bureau of Standards (NBS) (1972). "American national standard, building code requirements for minimum design loads in buildings and other structures." *ANSI, A58.1-1972*.
- National Oceanic and Atmospheric Administration (NOAA) (1973). *Precipitation-frequency atlas of the western United States*, NOAA Atlas 2, Volumes I to XI, Silver Spring, Md.
- National Research Council (NRC) (1985). *Safety of dams, flood and earthquake criteria*, National Academic Press, Washington, D.C., 321 pp.
- National Resources Conservation Service (NRCS) (1996). *State of the land for the Northern Plains region*, Northern Plains Regional Office, Lincoln, Neb.
- National Weather Service (NWS) (1998). *National Weather Service River Forecast System (NWSRFS) model, user's manual*, Office of Hydrology, National Weather Service, Silver Spring, Md. (www.nws.noaa.gov/oh/hrl/nwsrfs/users_manual).

- Nelson, J.D., S.R. Abt, R.L. Volpe, D. Van Zyl, N.E. Hinkle, and W.P. Straub (1986). "Methodologies for evaluating long-term stabilization of uranium mill tailings impoundments." *NUREG/CR-4620, ORNL/TM-10067*, for U.S. Nuclear Regulatory Comm., Washington, D.C., 145 pp.
- Ojima, D., L. Garcia, E. Elgaali, K. Miller, T.G.F. Kittel, and J. Lockett (1999). "Potential climate change impacts on water resources in the great plains." *JAWRA*, 35(6), Dec. 1999, 1443–1454.
- Pankow, J.F., and J.A. Cherry (1996). *Dense chlorinated solvents and other DNAPLs in groundwater: History, behavior, and remediation*, Waterloo, Portland, Ore., 522 pp.
- Peterka, A.J. (1958, 1978). "Hydraulic design of stilling basins and energy dissipators." *Engineering Monograph No. 25*, U.S. Bureau of Reclamation, Denver, Colo., 222 pp.
- Pinder, G.F., J.D. Bredehoeft, and H.H. Cooper (1969). "Determination of aquifer diffusivity from aquifer response to fluctuations in river stages." *Water Resources Research*, 5(4), Aug. 1969, 850–855.
- Ponce, V.M. (1989). *Engineering hydrology, principles and practices*, Prentice Hall, Englewood Cliffs, N.J., 640 pp.
- Potter, M.C., and D.C. Wiggert (1991). *Mechanics of fluids*, Prentice-Hall, Englewood Cliffs, N.J., 692 pp.
- Prakash, A., and G. Dearth (1990). "Streamflow simulation using deterministic model." *J. Irrigation and Drainage Engineering*, 116(4), July/Aug. 1990, 566–580.
- Prakash, A. (1977). "Convective-dispersion in perennial streams." *J. Environ. Eng.*, 103(EE2), 321–340.
- Prakash, A. (1978). "Optimal sequence of incremental precipitation." *J. Hydr. Div.*, 104(HY12), Dec. 1978, 1668–1671.
- Prakash, A. (1982). "Groundwater contamination due to vanishing and finite size continuous sources." *J. Hydr. Div.*, 108(4), 572–590.
- Prakash, A. (1983). "Deterministic and probabilistic perspectives of the PMF." *Proc. of the conf. on frontiers in hydraulic engineering*, ASCE/MIT, Cambridge, Mass., August 9–12, 1983, 535–540.
- Prakash, A. (1984). "Groundwater contamination due to transient sources of pollution." *J. Hydraul. Eng.*, 110(11), 1642–1658.
- Prakash, A. (1987). "Current state of hydrologic modeling and its limitations." *Flood hydrology*, V.P. Singh, ed., Reidel, Dordrecht, The Netherlands, 1–16.
- Prakash, A. (1991). "Evaluation of rehabilitation alternatives for small hydropower plants." *Water Power* 91, 1884–1893.
- Prakash, A. (1992a). "Implications of design uncertainty in benefit-cost analysis." *Water Forum* 92, New York.
- Prakash, A. (1992b). "Design basis flood for rehabilitation of existing dams." *J. Hydraul. Eng.*, 118(2), 291–305.
- Prakash, A. (1995). "Analysis of hydraulic barriers for ground water in stream-aquifer systems." *Proc. of the int. symp. on groundwater management*, San Antonio, Tex., August 14–16, 1995, 337–342.
- Prakash, A. (1996). "Desorption of soil contaminants due to rainwater infiltration." *J. Hydraul. Eng.*, 122(9), 523–525.
- Prakash, A. (1997). "Estimating diffusivity of aquifers with sloping water tables."

- Proc. of the 27th congress of the Int. Assoc. for Hydraulic Research*, San Francisco, Calif., August 10–15, 1997, 15–20.
- Prakash, A. (1999). "Risk-based analysis of remediation requirements." *Proc. of the int. water resources engineering conf.*, Seattle, Wash., August 8–12, 1999.
- Prakash, A. (2000a). "Analytical modeling of contaminant transport through vadose and saturated soil zones." *J. Hydraul. Eng.*, 126(10), 773–777.
- Prakash, A. (2000b). "Evaluation of bank protection methods." *Proc. of ASCE's joint conf. on water resources engineering and water resources planning and management*, Minneapolis, Minn., July 30–August 2, 2000.
- Prakash, A. (2002). "Environmental issues of construction and demolition of dams." *Proc. of EWRI/ASCE conf. on managing water resources extremes, Water Resources Planning and Management Council*, Roanoke, Va., May 19–22, 2002.
- Quimpo, R.G. (1968). "Stochastic analysis of daily river flows." *J. Hydr. Div.*, 94(HY1), Jan. 1968, 43–57.
- Rai, D., and J.M. Zachara (1984). "Chemical attenuation rates, coefficients, and constants in leachate migration." Battelle, Pacific Northwest Lab., Richland, Wash.
- Renard, K.G., G.R. Foster, G.A. Weesies, and J.P. Porter (1991). "RUSLE: Revised Universal Soil Loss Equation." *J. Soil Water Conservation*, 46(1), 30–33.
- Rouse, H. (1950). *Engineering hydraulics*, Wiley, New York, 1,039 pp.
- Seo, I.W., and T.S. Cheong (1995). "Predicting longitudinal dispersion coefficient in natural streams." *J. Hydraul. Eng.*, 124(1), 25–31.
- Simons, D.B., and F. Senturk (1976, 1992). *Sediment transport technology*, Water Resources Publications, Fort Collins, Colo., 919 pp.
- Simons, D.B., R.M. Li, and W.T. Fullerton (1981). "Theoretically derived sediment transport equations for Pima County, Arizona." Prepared for Pima County DOT and Flood Control District, Ariz.
- Singh, B. (1967). *Fundamentals of irrigation engineering*, Nem Chand & Bros., Roorkee, India, 532 pp.
- Soil Conservation Service (SCS) (1954). "Handbook of channel design for soil and water conservation." *SCS-TP-61*, Stillwater Outdoor Hydraulic Lab., Stillwater, Okla.
- Soil Conservation Service (SCS) (1978). *Water management and sediment control for urbanizing areas*, Columbus, Ohio.
- Sorensen, R.M. (1985). "Stepped spillway hydraulic model investigation." *J. Hydraul. Eng.*, 111(12), 1461–1472.
- Spurr, W.A., and C.P. Bonini (1973). *Statistical analysis for business decisions*, Richard D. Irwin, Inc., Homewood, Ill., 724 pp.
- Streeter, V.L. (1971). *Fluid mechanics*, McGraw-Hill, New York, 751 pp.
- Sudicky, E.A., and R. Therien (1999). *Variably-saturated groundwater flow and transport in discretely fractured porous media, FRAC3DVS*, Waterloo Hydrogeologic, Inc., Waterloo, Ont., Canada.
- Sudicky, E.A. (1988). *Parallel crack model, CRAFLUSH*, Waterloo Center of Groundwater Research, Univ. of Waterloo, Waterloo, Ont., Canada.
- SURGE5 (1996). Civil Engineering Software Center, Univ. of Kentucky, Lexington, Ky.
- Swamee, P.K., and A.K. Jain (1976). "Explicit equations for pipe-flow problems." *J. Hydr. Div.*, 102(HY5), May 1976.

- Tchobanoglous, G., and F.L. Burton (1991). *Wastewater engineering, treatment, disposal, and reuse*, McGraw-Hill, New York, 1,334 pp.
- Texas Commission on Environmental Quality (TCEQ) (2002). *Guidelines for preparation of environmental, social, and economic impacts statements*, TCEQ Rules, Chapter 261, Austin, Tex. (www.tnrc.state.us/oprd/rules).
- Thompson, J.R. (1964). "Quantitative effect of watershed variables on the rate of gully head advancement." *Transactions, American Society of Agricultural Engineers*, 7(1), St. Joseph, Mich., 54–55.
- Todd, D.K. (1980). *Ground water hydrology*, Wiley, New York, 535 pp.
- Tschantz, B.A., and R.M. Mojib (1981). "Application of and guidelines for using available dam break models." *Water Resources Research Center*, Univ. of Tennessee, Knoxville, Tenn., 84 pp.
- Tullis, J.P., N. Amanian, and D. Waldron (1995). "Design of labyrinth spillways." *J. Hydraul. Eng.*, 121(3), 247–255.
- U.S. Army Corps of Engineers (USACE) (1960). "Routing of floods through river channel." *EM-1110-2-1408*, Washington, D.C.
- U.S. Army Corps of Engineers (USACE) (1970, 1994). "Hydraulic design of flood control channels." *EM-1110-2-1601*, Washington, D.C.
- U.S. Army Corps of Engineers (USACE) (1971a). *Monthly streamflow simulation, HEC-4, user's manual*, Hydrologic Engineering Center, Davis, Calif.
- U.S. Army Corps of Engineers (USACE) (1971b). "Dewatering and groundwater control for deep excavations." *Technical Manual No. 5-818-5*, Washington, D.C.
- U.S. Army Corps of Engineers (USACE) (1974). *Dimensionless graphs of floods from ruptured dams*. Hydrologic Engineering Center, Davis, Calif., 60 pp.
- U.S. Army Corps of Engineers (USACE) (1977). "Guidelines for calculating and routing a dam-break flood." *Research Note No. 5*, Hydrologic Engineering Center, Davis, Calif.
- U.S. Army Corps of Engineers (USACE) (1978). *Water Quality for River-Reservoir Systems (WQRRS)*, Hydrologic Engineering Center, Davis, Calif., 288 pp.
- U.S. Army Corps of Engineers (USACE) (1979). "Feasibility studies for small scale hydropower additions." *DOE/RA-0048*, Hydrologic Engineering Center, Davis, Calif.
- U.S. Army Corps of Engineers (USACE) (1981). *Reservoir system analysis for conservation, HEC-3*, Hydrologic Engineering Center, Davis, Calif.
- U.S. Army Corps of Engineers (USACE) (1982). *Simulation of flood control and conservation systems, HEC-5*, Hydrologic Engineering Center, Davis, Calif.
- U.S. Army Corps of Engineers (USACE) (1984). *Shore protection manual, volumes I and II*, Coastal Engineering Research Center, Waterways Experiment Station, Vicksburg, Miss.
- U.S. Army Corps of Engineers (USACE) (1985). "Hydropower engineering manual." *EM-1110-2-1701*, Engineering Design, Washington, D.C.
- U.S. Army Corps of Engineers (USACE) (1986). *Streamflow Synthesis and Reservoir Regulation (SSAR)*. U.S. Army Engineer Div., North Pacific, Portland, Ore.
- U.S. Army Corps of Engineers (USACE) (1989). "Sedimentation investigation of rivers and reservoirs." *EM-1100-2-4000*, Engineering Design, Washington, D.C.
- U.S. Army Corps of Engineers (USACE) (1991a). *Flood hydrograph package, HEC-1, user's manual*, Hydrologic Engineering Center, Davis, Calif.

- U.S. Army Corps of Engineers (USACE) (1991b). *Simulation of flood control and conservation systems, HEC-5, user's manual*, Hydrologic Engineering Center, Davis, Calif.
- U.S. Army Corps of Engineers (USACE) (1991c). *Surface water profiles, HEC-2*, Hydrologic Engineering Center, Davis, Calif.
- U.S. Army Corps of Engineers (USACE) (1991d). *Scour and deposition in rivers and reservoirs, HEC-6*, Hydrologic Engineering Center, Davis, Calif.
- U.S. Army Corps of Engineers (USACE) (1992). *Interior Flood Hydrology package, HEC-IFH*, Hydrologic Engineering Center, Davis, Calif.
- U.S. Army Corps of Engineers (USACE) (1994). "Hydraulic design of flood control channels." *EM-1110-2-1601*, Washington, D.C.
- U.S. Army Corps of Engineers (USACE) (1995). *HEC Floodflow Frequency Analysis, HEC-FFA*, Hydrologic Engineering Center, Davis, Calif.
- U.S. Army Corps of Engineers (USACE) (1998). *River Analysis System, HEC-RAS*, Hydrologic Engineering Center, Davis, Calif.
- U.S. Army Corps of Engineers (USACE) (1999). *Engineer regulations, civil works, environmental compliance assessments and environmental management program planning* (www.usace.army.mil/inet/usace-docs/eng-regs/), Washington, D.C.
- U.S. Army Corps of Engineers (USACE) (2002). *Hydrologic Modeling System, HEC-HMS*, Hydrologic Engineering Center, Davis, Calif.
- U.S. Army Engineer Research and Development Center (USAERDC) (2003). *Effect of riprap on riverine and riparian ecosystems*, Vicksburg, Miss.
- U.S. Army Engineer Waterways Experiment Station (USAEWES) (1977). *Hydraulic design criteria*, Vicksburg, Miss.
- U.S. Army Engineer Waterways Experiment Station (USAEWES) (1983). *Techniques for reaeration of hydropower releases*, Technical Report E-83-5, Vicksburg, Miss.
- U.S. Bureau of Reclamation (USBR) (1966). "Effect of snow compaction on runoff from rain on snow." *Engineering Monograph No. 35*, Denver, Colo.
- U.S. Bureau of Reclamation (USBR) (1971). *A procedure to determine sediment deposition in a settling basin*, Denver, Colo., 8 pp.
- U.S. Bureau of Reclamation (USBR) (1977). *Design of small dams*, Denver, Colo., Second edition (revised reprint), 816 pp.
- U.S. Bureau of Reclamation (USBR) (1978). *Design of small canal structures*, Denver, Colo., 435 pp.
- U.S. Bureau of Reclamation (USBR) (1984). *Computing degradation and local scour*, Denver, Colo., 48 pp.
- U.S. Bureau of Reclamation (USBR) (1987). *Design of small dams*, Denver, Colo., Third edition, 860 pp.
- U.S. Dept. of Agriculture (USDA) (1959). "The SAF stilling basin." *Agriculture Handbook No. 156*, Agriculture Research Service, St. Anthony Falls Hydraulics Lab., Minneapolis, Minn., 16 pp.
- U.S. Dept. of Agriculture (USDA) (1966). "Procedures for determining rates of land damage, land depreciation, and volume of sediment produced by gully erosion." *Technical Release No. 32*, Geology, Soil Conservation Service.
- U.S. Dept. of Agriculture (USDA) (1969). "Summary of reservoir sediment deposition." *Misc. Pub. No. 1143*, Agricultural Research Service, 64 pp.
- U.S. Dept. of Agriculture (USDA) (1972, 1985). *National engineering handbook, section 4, hydrology*, Soil Conservation Service, Washington, D.C.

- U.S. Dept. of Agriculture (USDA) (1976). "A Water Surface Profile computer program for determining flood elevation and flood areas for certain flow rates, WSP2." *Technical Release No. 61*, Soil Conservation Service, Washington, D.C.
- U.S. Dept. of Agriculture (USDA) (1977). "Design of open channels." *Technical Release No. 25*, Oct. 1977, Soil Conservation Service, Washington, D.C.
- U.S. Dept. of Agriculture (USDA) (1981). "Simplified dam-breach routing procedure." *Technical Release No. 66*, Design Unit, Soil Conservation Service, Washington, D.C.
- U.S. Dept. of Agriculture (USDA) (1982). *Wind erosion equation, technical notes*. Resource Conservation Planning-WY-2, Soil Conservation Service, Casper, Wyo.
- U.S. Dept. of Agriculture (USDA) (1983a). "Computer program for project formulation hydrology." *Technical Release 20*, Soil Conservation Service, Washington, D.C.
- U.S. Dept. of Agriculture (USDA) (1983b). "Colorado wind erosion guide." *Agronomy Technical Note 53*, Soil Conservation Service, Denver, Colo.
- U.S. Dept. of Agriculture (USDA) (1986). "Urban hydrology for small watersheds." *Technical Release 55*, Soil Conservation Service, Washington, D.C.
- U.S. Dept. of Commerce (USDOC) (1961). "Generalized estimates of probable maximum precipitation and rainfall frequency data for Puerto Rico and Virgin Islands." *Technical Paper No. 42*, Washington, D.C.
- U.S. Dept. of Commerce (USDOC) (1962). "Rainfall-frequency atlas of the Hawaiian Islands." *Weather Bureau Technical Paper No. 43*, Washington, D.C.
- U.S. Dept. of Commerce (USDOC) (1965). "Probable maximum and TVA precipitation over the Tennessee River Basin above Chattanooga." *Hydrometeorological Report No. 41*, Washington, D.C.
- U.S. Dept. of Commerce (USDOC) (1969). "Interim report, probable maximum precipitation in California." *Hydrometeorological Report No. 36*, Washington, D.C.
- U.S. Dept. of Commerce (USDOC) (1977). "Probable maximum precipitation estimates, Colorado River and Great Basin drainages." *Hydrometeorological Report No. 49*, Silver Spring, Md.
- U.S. Dept. of Commerce (USDOC) (1978). "Probable maximum precipitation estimates, United States east of the 105th Meridian." *Hydrometeorological Report No. 51*, Washington, D.C.
- U.S. Dept. of Commerce (USDOC) (1982). "Application of probable maximum precipitation estimates, United States east of the 105th Meridian." *Hydrometeorological Report No. 52*, Silver Spring, Md.
- U.S. Dept. of Commerce (USDOC) (1983). "Probable maximum precipitation and snowmelt criteria for southeast Alaska." *Hydrometeorological Report No. 54*, Silver Spring, Md.
- U.S. Dept. of Commerce (USDOC) (1988). "Probable maximum precipitation estimates, United States between the Continental Divide and the 103rd Meridian." *Hydrometeorological Report No. 55A*, Silver Spring, Md.
- U.S. Dept. of Commerce (USDOC) (1994). "Probable maximum precipitation, Pacific Northwest states." *Hydrometeorological Report No. 57*, Silver Spring, Md.
- U.S. Environmental Protection Agency (USEPA) Region VIII and U.S. Dept. of Agriculture (USDA) (1977). "Preliminary guidance for estimating erosion on

- areas disturbed by surface mining activities in the interior Western United States, interim final report," *EPA-908/4-77-005*.
- U.S. Environmental Protection Agency (USEPA) (1980). "An approach to water resources evaluation of non-point silvicultural sources." *EPA-600/8-80-012*, Environmental Research Lab., Athens, Ga.
- U.S. Environmental Protection Agency (USEPA) (1985). "Water quality assessment, a screening procedure for toxic and conventional pollutants in surface and ground water." Part I, *EPA/600/6-85/002a*, and Part II, *EPA/600/6-85/002b*, Environmental Research Lab., Athens, Ga.
- U.S. Environmental Protection Agency (USEPA) (1987a). "The Enhanced Stream Water Quality Models, QUAL2E and QUAL2E UNCAS." *EPA/600/3-87/007*, Environmental Research Lab., Athens, Ga.
- U.S. Environmental Protection Agency (USEPA) (1987b). "Diffusion in near-shore and riverine environments." *EPA 910/9-87-168*, Region 10.
- U.S. Environmental Protection Agency (USEPA) (1988a). "Superfund exposure assessment manual." *EPA/540/1-88/001*.
- U.S. Environmental Protection Agency (USEPA) (1988b). "A hydrodynamic and water quality model, WASP4." *EPA/600/3-86/034*, Environmental Research Lab., Athens, Ga.
- U.S. Environmental Protection Agency (USEPA) (1989a). *Storm Water Management Model, SWMM*. Environmental Protection Technology Series, Washington, D.C.
- U.S. Environmental Protection Agency (USEPA) (1989b). "Guidelines for conducting remedial investigations and feasibility studies under CERCLA." *EPA/540/G-89/004*, Office of Emergency and Remedial Response, Washington, D.C.
- U.S. Environmental Protection Agency (USEPA) (1989c). *Statistical analysis of ground-water monitoring data at RCRA facilities, interim final guidance*, Office of Solid Waste, Waste Management Div., Washington, D.C.
- U.S. Environmental Protection Agency (USEPA) (1991a). *Hydrologic Simulation Program-Fortran (HSPF)*, Environmental Research Lab., Office of Research and Development, Athens, Ga.
- U.S. Environmental Protection Agency (USEPA) (1991b). *Guidance for water quality-based decisions: The TMDL process*, Office of Water, Washington, D.C.
- U.S. Environmental Protection Agency (USEPA) (1991c). "Technical support document for water quality-based toxics control." *EPA/505/2-90-001, PB 91-127415*, Office of Water, Washington, D.C.
- U.S. Environmental Protection Agency (USEPA) (1991d). *Guidance manual for the preparation of NPDES permit applications for storm water discharges associated with industrial activity*, Office of Water Enforcement and Permits, Washington, D.C.
- U.S. Environmental Protection Agency (USEPA) (1992). *A Modular Three-Dimensional Transport Model (MT3D) for simulation of advection, dispersion, and chemical reactions of contaminants in groundwater systems*, National Risk Management Research Lab., Ada, Okla.
- U.S. Environmental Protection Agency (USEPA) (1993). *Well Head Protection Area (WHPA) delineation code*, National Risk Management Research Lab., Ada, Okla.
- U.S. Environmental Protection Agency (USEPA) (1994). *Dilution models for effluent dis-*

- charges, *PLUMES*, Center for Exposure Assessment Modeling (CEAM), National Exposure Research Lab., Athens, Ga.
- U.S. Environmental Protection Agency (USEPA) (1995). *The Hydrologic Evaluation of Landfill Performance (HELP) model*, Risk Reduction Engineering Lab., Office of Research and Development, Cincinnati, Ohio.
- U.S. Environmental Protection Agency (USEPA) (1996a). *A hydrodynamic mixing zone model and decision support system for pollutant discharges into surface waters, CORMIX*, Center for Exposure Assessment Modeling (CEAM), National Exposure Research Lab., Athens, Ga.
- U.S. Environmental Protection Agency (USEPA) (1996b). *Multimedia Exposure Assessment Model (MULTIMED) for evaluating the land disposal of wastes*, Environmental Research Lab., Athens, Ga.
- U.S. Environmental Protection Agency (USEPA) (1996c). "Soil screening guidance, user's guide." *Publication 9355.4-23*, Office of Solid Waste and Emergency Response, Washington, D.C.
- U.S. Environmental Protection Agency (USEPA) (1997). *BIOSCREEN*, National Risk Management Research Lab., Ada, Okla.
- U.S. Environmental Protection Agency (USEPA) (2000). "Drinking water standards and health advisories." *EPA822-B-00-001*, Office of Water, Washington, D.C.
- U.S. Geological Survey (USGS) (1983). "Precipitation-Runoff Modeling System (PRMS): User's manual," *Water Resources Investigations Report 83-4238*, Denver, Colo.
- U.S. Geological Survey (USGS) (1994). "Nationwide summary of U.S. Geological Survey regional regression equations for estimating magnitude and frequency of floods for ungaged sites." *1993 Water Resources Investigations Report 94-4002*, Reston, Va., 196 pp.
- U.S. Geological Survey (USGS) (2000a). "Estimation of peak stream flows for unregulated rural streams in Kansas." *Water Resources Investigations Report 00-4079*, Lawrence, Kan., 33 pp.
- U.S. Geological Survey (USGS) (2000b). *A modular three-dimensional finite-difference ground-water flow model: MODFLOW*, Reston, Va.
- U.S. Nuclear Regulatory Commission (USNRC) (1976). "Estimating aquatic dispersion of effluents from accidental and routine reactor releases for the purpose of implementing Appendix I." *Regulatory Guide 1.113*, Washington, D.C.
- U.S. Nuclear Regulatory Commission (USNRC) (1977). "Design basis floods for nuclear power plants." *Regulatory Guide 1.59*, Rev. 2, August 1977.
- U.S. Nuclear Regulatory Commission (USNRC) (1982). "Literature review of models for estimating soil erosion and deposition from wind stresses on uranium mill tailings covers." *NUREG/CR-2768, PNL-4302*.
- U.S. Water Resources Council (USWRC) (1981). "Guidelines for determining flood flow frequency." *Bulletin #17B*, Washington, D.C.
- Valliappan, S., and N.K. Naghadeh (1991). "Flow through fractured media." *Computer methods and advances in geomechanics*, Beer, Becker and Carter, eds., Balkema, Rotterdam, The Netherlands.
- Vanoni, V.A. (1977). "Sedimentation engineering." *ASCE Manuals and Reports on Engineering Practice No. 54*, New York.

- Vetter, C.P. (1940). "Technical aspects of the silt problem on the Colorado River." *Civil Engineering*, 10, Nov. 1940, pp. 698–701.
- Watters, G.Z. (1984). *Analysis and control of unsteady flow in pipelines*, 2d Ed., Butterworth, Stoneham, Mass., 349 pp.
- Weast, R.C., ed. (1987). *CRC handbook of chemistry and physics*. 68th Ed., CRC, Boca Raton, Fla.
- Wenzel, L.K. (1942). "Methods of determining permeability of water bearing materials, with special reference to discharging well methods." *U.S. Geological Survey Water Supply Paper 887*, Washington, D.C.
- West Consultants, Inc. (1996). *Riprap design system*, Carlsbad, Calif., 72 pp.
- Williams, J.R. (1975). "Sediment yield prediction with universal equation using runoff energy factor." *USDA-ARS, S-40*, U.S Dept. of Agriculture, Washington, D.C., 244–252.
- Wilson, B.N., B.J. Barfield, and I.D. Moore (1984). *A hydrology and sedimentology watershed model, SEDIMOT II*, Dept. of Agricultural Engineering, Univ. of Kentucky, Lexington, Ky.
- Wood, I.R., and T. Liang (1989). "Dispersion in an open channel with a step in the cross section." *J. Hydraulic Research*, 27(5).
- World Bank (WB) (1996). *Monitoring and evaluation guidelines for World Bank-GEF int. waters projects*, Washington, D.C.
- World Bank (WB) (1998). *Environmental assessment source book*, Vols. I, II, III, Washington, D.C.
- World Meteorological Organization (WMO) (1986). "Manual for estimation of probable maximum precipitation." *Operational Hydrology Report Number 1*, WMO Number 332, Geneva, Switzerland, 269 pp.
- Yevjevich, V. (1972a, 1997). *Probability and statistics in hydrology*, Water Resources Publications, Fort Collins, Colo., 302 pp.
- Yevjevich, V. (1972b, 1982). *Stochastic processes in hydrology*, Water Resources Publications, Fort Collins, Colo., 276 pp.
- Young, M.F. (1982). "Feasibility study of a stepped spillway." *Proc. of the Hydr. Div. specialty conf.*, Jackson, Miss., August 1982.
- Zheng, C. (1990). *A modular three-dimensional transport model for simulation of advection, dispersion, and chemical reactions of contaminants in groundwater systems*, U.S. Environmental Protection Agency, Ada, Okla.
- Zheng, C., and G.D. Bennett (2002). *Applied contaminant transport modeling*, 2d Ed., Wiley-InterScience, New York, 621 pp.
- Zipparro, V.J., and H. Hansen, eds. (1993). *Davis' handbook of applied hydraulics*, McGraw-Hill, New York.