## Appendix B: Suggested Readings
## Lower & Middle San Pedro Watershed

### 1. Biological References


Bagstad, K.J. , Lite, S.J., Stromberg, J.C. 2006. Vegetation, soils, and hydrogeomorphology of riparian patch types of a dryland river. Western North American Naturalist, 66(1) 23-44.

Bagstad, K.J., Stromberg, J.C., and Lite, S.J. 2005. Response of herbaceous riparian plants to rain and flooding on the San Pedro River, Arizona, USA, Wetlands 25(1) 210-223.

Biedenbender, S.H., McClaran, M.P., Quade, J., Weltz, M.A. 2003. Landscape patterns of vegetation change indicated by soil carbon isotope composition. Geoderma 119(1-2):69-83.

Cox, J.R., Frasier, G.W., Renard, K.G. 1986. Biomass distribution at grassland and shrubland sites. Rangelands 8(2):67-68.

Cox, J.R., Ruyle, G.B., Roundy, B.A. 1990. Lehmann lovegrass in southeastern Arizona: Biomass production and disappearance. J. Range Manage. 43(4):367-372.

Cox, J.R., Gillen, R.L., Ruyle, G.B. 1989. Big Sacaton riparian grassland management: Seasonal grazing effects on plant and animal production. Applied Agric. Res. 4(2):127-134.

Cox, J.R. 1988. Seasonal burning and mowing impacts on Sporobolus wrightii grasslands. J. Range Manage. 41(1):12-15.

Cox, J.R. 1985. Above-ground biomass and nitrogen quantities in a Big Sacaton [Sporobolus wrightii] grassland. J. Range Manage. 38(3):273-276.

Emmerich, W.E. 1990. Precipitation nutrient inputs in semiarid environments. J. Environ. Qual. 19(3):621-624.

Emmerich, W.E. 1999. Nutrient dynamics of rangeland burns in southeastern Arizona. J. Range. Manage. 52(6):606-614.

Emmerich, W.E., Cox, J.R. 1992. Hydrologic characteristics immediately after seasonal burning on introduced and native grasslands. J. Range Manage. 45(5):476-479.

Farid, A., Rautenkranz, D., Goodrich, D.C., Marsh, S.E., Soorshian, S. 0. Riparian vegetation classification from airborne laser scanning data with an emphasis on cottonwood trees. Canadian J. of Remote Sensing. 32(1): 15-19.

Hendrickson, D.A., and D.A. Minckley, 1985. Ciénegas – Vanishing climax communities of the American Southwest. Desert Plants, 6: 131:175.

Hultine, K., Scott, R.L., Cable, W.L., Goodrich, D.C., Williams, D.G. 2004. Hydraulic redistribution by a dominant, warm desert phreatophyte: Seasonal patterns and response to precipitation pulses. Functional Ecology 18:530-538.

Huxman, T.E., Wilcox, B.P., Scott, R.L., Snyder, K.A., Small, E.E., Hultine, K.R., Pockman, W.T., Jackson, R.B. 2005. Ecohydrological implications of woody plant encroachment. Ecology 86:308-319.

Kepner, W.G., C.J. Watts, C.M. Edmonds, J.K. Maingi, and S.E. Marsh. 2000. A landscape approach for detecting and evaluating change in a semi-arid environment. Journal of Environmental Monitoring and Assessment, 64: 179-195.

Krueper, D.J. 1993. Effects of land use practices on western riparian ecosystems. Pp. 321-330. In: D. Finch and P. Stangel, eds., Status and Management of Neotropical Migratory Birds. Gen Tech. Rep. RM-229. USDA Forest Service, Rocky Mountain Range and Experiment Station, Fort Collins, Colorado. 422 pp.

Krueper, D.J. 1996. Effects of livestock management on southwestern riparian ecosystems. Pages 281-301 in D.W. Shaw and D.M. Finch, technical coordinators. Desired future conditions for Southwestern riparian ecosystems: Bringing interests and concerns together. General technical report RM-GTR-272. U.S. Forest Service, Fort Collins, Colorado.

Krueper, D., J. Bart, and T. Rich. 2003. Response of vegetation and birds to the removal of cattle on the San Pedro River, Arizona (U.S.A.). Conservation Biology Vol. 17 (No. 2) 607-615.

Lite, S.J., K.J. Bagstad, and J.C. Stromberg. 2005. Riparian plant species richness along lateral and longitudinal gradients of water stress and flood disturbance, San Pedro River, Arizona, USA. Journal of Arid Environments, 63(4) 785-813 .

Lite, S. J., and J. C. Stromberg. 2005. Surface water and ground-water thresholds for maintaining Populus-Salix forests, San Pedro River, Arizona. Biological Conservation 125:153-167.

Martin, S.C., Morton, H.L. 1993. Mesquite control increases grass density and reduces soil loss in southern Arizona. J. Range Manage. 46(2):170-175.

Morton, H.L., Ibarra-F., F.A., Martin-R., M.H., Cox, J.R. 1990. Creosotebush control and forage production in the Chihuahuan and Sonoran deserts. J. Range Manage. 43(1):43-48.

Qi, J., Marsett, R.C., Moran, M.S., Goodrich, D.C., Heilman, P., Kerr, Y.H., Dedieu, G., Chehbouni, A., Zhang, X.X. 2000. Spatial and temporal dynamics of vegetation in the San Pedro River basin area. J. Ag. and For. Meteorol. 105(1-3):55-68.

Skirvin, S.M., Moran, M.S. 2003. Rangeland ecological and physical modeling in a spatial context. Proc. 1st Interagency Conf. on Research in the Watersheds, K.G. Renard, S. McElroy, W. Gburek, E. Canfield, and R.L. Scott (eds.), Oct. 27-30, Benson, AZ, pp. 451-454.

Stromberg, J.C., Bagstad, K.J., Leenhouts, J.M., Lite, S.J., Makings, E. 2005. Effects of stream flow intermittency on riparian vegetation of a semiarid region river (San Pedro River, Arizona). River Research and Applications, 21(8) 925-938.

Stromberg, J.C., M. Briggs, C. Gourley, M. Scott, P. Shafroth, L. Stevens. 2004. Human alterations of riparian ecosystems. In Baker Jr., M.B., P.F. Ffolliott, L.F. Debano, D.G. Neary, Riparian areas of the Southwestern United States, Hydrology, Ecology, and Management. Lewis Publishers, New York, pp. 99-126.

Stromberg, J.C and M.K. Chew. 2002. Foreign visitors in riparian corridors of the America Southwest: is xenophytophobia justified? Pages 195-219. in B. Tellman, Editor, Invasive Exotic Species in the Sonoran Region. University of Arizona Press.

Stromberg, J.C. 1998. Functional equivalency of saltcedar (Tamarix chinensis) and fremont cottonwood (Populus fremontii) along a free-flowing river. Wetlands 18(4) 675-686.

Stromberg, J.C. 1998. Dynamics of Fremont cottonwood (Populus fremontii) and saltcedar (Tamarix chinensis) populations along the San Pedro River, Arizona Journal of Arid Environments 40 (2) 133-155.

Stromberg, J.C., R. Tiller, B. Richter, 1996. Effects of ground water decline on riparian vegetation of semi-arid regions: the San Pedro, AZ. Ecological Applications 6(1): 113-131.

Stromberg, J.C., S.D Wilkins, and J.A. Tress. 1993 Vegetation-hydrology models: implications for management of Prosopis velutina (velvet mesquite) riparian ecosystems. Ecological Applications, 3: 307-314.

## 2. Geophysical References

Andreasen, G.E., Mitchell, C.M., and Tyson, N.S., 1965, Aeromagnetic map of Tombstone and vicinity, Cochise and Santa Cruz Counties, Arizona: U.S. Geological Survey Open-File Report (Geophysical Investigations Preliminary Map), 1 sheet, scale 1:125,000.

Bisdorf, R.J., 1990, Geophysics - electrical and seismic methods, *in* Peterson, J.A., ed., Preliminary mineral resource assessment of the Tucson and Nogales 1° by 2° quadrangles, Arizona: U.S. Geological Survey Open-File Report 90-276, p. 65-67.

Bittson, A.G., 1976, Analysis of gravity data from the Cienega Creek area, Pima and Santa Cruz Counties, Arizona: Tucson, University of Arizona, M.S. thesis, 76 p., 5 sheets, scale 1:62,500.

Bultman, M.W., Gettings, M.E., and Wynn, Jeff, 2002, An interpretation of the 1997 airborne electromagnetic (AEM) survey, Fort Huachuca vicinity, Cochise County, Arizona: U.S. Geological Survey Open-File Report 99-7-b, CD-ROM.

Cooper, J.R., and Silver, L.T., 1964, Geology and ore deposits of the Dragoon quadrangle, Cochise County, Arizona: U.S. Geological Survey Professional Paper 416, 196 p., 13 sheets, scales 1:600, 1:1,200, 1:2,400, 1:4,800, 1:12,000, 1:31,680, 1:125,000.

Dempsey, W.J., Fackler, W.D., and others, 1963, Aeromagnetic map of the Dragoon quadrangle, Cochise County, Arizona: U.S. Geological Survey Geophysical Investigations Map GP-412, 1 sheet, scale 1:62,500.

Fleming, J.B., Pool, D.R., and Blaylock, M., 2001, Geophysical investigations of shallow structure and lithology to aid in characterization of stream-aquifer interactions in the Upper San Pedro River Basin [abs.], in Annual Symposium, 14th, September 12-15, 2001, Proceedings: Arizona Hydrologic Society, p. 88-89.

Force, E. R., 1996, The Bisbee Group of the Tombstone Hills, southeastern Arizona; stratigraphy, structure, metamorphism, and mineralization: U. S. Geological Survey Bulletin 2042-B, 22 p.

Gettings, M.E., and Houser, B.B., 1995, Preliminary results of modeling the gravity anomaly field in the upper San Pedro basin, southeastern Arizona: U.S. Geological Survey Open-File Report 95-76, 9 p., 5 sheets, scale 1:125,000.

Gettings, M. E. and Houser, B.B., 2000, Depth to bedrock in the Upper San Pedro Valley, Cochise County, southeastern Arizona: Open-File Report 00-138, 39 p.

Hahman, W.R., Sr., 1981, Geothermal resource potential for a portion of the San Pedro River Valley, Arizona: Arizona Bureau of Geology and Mineral Technology Open-File Report 81-06, 59 p.

Haynes, C. V., 1968, Preliminary report on the late Quaternary geology of the San Pedro Valley, Arizona, p. 79-96, *In* Titley, S. R. (ed.), Southern Arizona Guidebook III: Arizona Geological Society, Tucson, 354 p.

Heylmun, E.B., 1978, Southeastern Arizona - oil and gas possibilities: Oil and Gas Journal, v. 76, July 10, p. 176-177.

Hiller, J.W., 1986, Seismic refraction study of the southeastern Arizona crust between Globe, Arizona and Cananea, Mexico: Tucson, University of Arizona, M.S. thesis, 177 p.

Jahnke, Philip, 1994, Modeling of groundwater flow and surface/groundwater interaction for the San Pedro River Basin from Fairbank to Redington, Arizona: Tucson, University of Arizona, M.S. thesis, [variously paged].

Klein, D.P., 1983, Geophysical maps of the Dragoon Mountains Roadless Area, Cochise County, Arizona: U.S. Geological Survey Miscellaneous Field Studies Map MF-1521-C, 1 sheet, scale 1:50,000.

Luning, R.H., and Brouillard, L.A., 1982, National Uranium Resource Evaluation, Nogales quadrangle, Arizona: U.S. Department of Energy Report PGJ/F-130(82), 70 p., 6 microfiche, 16 sheets.

Oppenheimer, J.M., 1980, Gravity modeling of the alluvial basins, southern Arizona: Tucson, University of Arizona, M.S. thesis, 81 p.

Oppenheimer, J.M., and Sumner, J.S., 1980, Depth-to-bedrock map, Basin and Range province, Arizona: Tucson, University of Arizona, Department of Geosciences, Laboratory of Geophysics, 1 sheet, scale 1:1,000,000.

Oppenheimer, J.M., and Sumner, J.S., 1981, Gravity modeling of the basins in the Basin and Range province, Arizona: Arizona Geological Society Digest, v. 13, p. 111-115, 1 sheet, scale 1:1,000,000.

Peterson, Jocelyn A., ed., 1990, Preliminary mineral resource assessment of the Tucson and Nogales 1° by 2° quadrangles, Arizona: U.S. Geological Survey Open-File Report 90-0276, 134 p., 24 sheets, scale 1:250,000.

Ponce, D.A., 1990, Geophysics - gravity and magnetic methods, *in* Peterson, J.A., ed., Preliminary mineral resource assessment of the Tucson and Nogales 1° by 2° quadrangles, Arizona: U.S. Geological Survey Open-File Report 90-276, p. 41-56.

Schreiner, R.A., 1988, Mineral investigation of the Muleshoe Study Area, Cochise and Graham Counties, Arizona: U.S. Bureau of Mines Report MLA 43-88, 24 p., 1 sheet, scale 1:62,500.

Schwartzman, P.N., 1990, A hydrogeologic resource assessment of the lower Babocomari Watershed, Arizona: Tucson, University of Arizona, M.S. thesis, 212 p., 3 sheets.

Smith, G.A., 1994, Climatic influences on continental deposition during late-stage filling of an extensional basin, southeastern Arizona: Geological Society of America Bulletin, v. 106, no. 9, p. 1212-1228.

Spangler, D. P., 1969, A geophysical study of the hydrology of the Walnut Gulch

Experimental Watershed, Tombstone, Arizona: Unpublished PhD Dissertation, Department of Geology, University of Arizona, Tucson, AZ, 103 p.

Sumner, J.S., and Halvorson, P.F., 1983, Geophysical exploration surveys for ground water in the San Pedro Basin, Arizona: Research Project Technical Completion Report, A-108-ARIZ, 27 p.

Texas Instruments, Inc., 1978, Aerial radiometric and magnetic reconnaissance survey of portions of Arizona-New Mexico - Nogales quadrangle, v. 2-E: U.S. Department of Energy Report GJBX-23(79), 210 sheets, scale 1:500,000.

Texas Instruments, Inc., 1978, Aerial radiometric and magnetic reconnaissance survey of portions of Arizona-New Mexico - Tucson quadrangle, v. 2-C: U.S. Department of Energy Report GJBX-23(79), 215 sheets, scale 1:500,000.

Tucci, Patrick, 1989, Geophysical methods for water-resources studies in southern and central Arizona, in Symposium on the Application of Geophysics to Engineering and Environmental Problems, Proceedings: Denver, Society of Engineering and Mineral Exploration Geophysicists, p. 368-383.

Wynn, Jeff, 2001, Mapping groundwater in three dimensions: An analysis of the airborne geophysical surveys of the upper San Pedro River basin, Cochise County, southeastern Arizona, with an interpretation of where the groundwater lies: U.S. Geological Survey Open-File Report 00-517, 70 p., 2 sheets, scales 1:100,000 and 1:200,000.

Wynn, Jeff, and Gettings, Mark, 1997, A preliminary interpretation of the 1997 airborne electromagnetic (EM) survey over Fort Huachuca, Arizona, and the Upper San Pedro River basin: U.S. Geological Survey Open-File Report 96-651, 42 p.

**Statewide Geophysics References**

Aiken, C.L.V., 1976, The analysis of the gravity anomalies of Arizona: Tucson, University of Arizona, Ph.D. dissertation, 127 p. [Abstract in Dissertation Abstracts International, v. 37, p. 4946B, 1977].

Aiken, C.L.V., Lysonski, J.C., Sumner, J.S., and Hahman, W.R., Sr., 1981, A series of 1:250,000 complete residual Bouguer gravity anomaly maps of Arizona: Arizona Geological Society Digest, v. 13, p. 31-37.

Bond, K.R., and Zietz, Isidore, 1987, Composite magnetic anomaly map of the conterminous United States west of 96° longitude: U.S. Geological Survey Geophysical Investigations Map GP-977, 13 p., 2 sheets, scale 1:2,500,000.

Diment, W.H., and Urban, T.C., 1981, Average elevation of the conterminous United States (Gilluly averaging method): U.S. Geological Survey Geophysical Investigations Map GP-0933, 2 sheets, scale 1:2,500,000.

Hendricks, J.D., and Plescia, J.B., 1991, A review of the regional geophysics of the Arizona Transition Zone: Journal of Geophysical Research, v. 96, no. B7, p. 12,351-12,373.

Hildenbrand, T.G., Simpson, R.W., Godson, R.H., and Kane, M.F., 1982, Digital colored residual and regional Bouguer gravity maps of the conterminous United States with cut-off wavelengths of 250 km and 1000 km: U.S. Geological Survey Geophysical Investigations Map GP-953A, 2 sheets, scale 1:7,500,000.

Hildenbrand, T.G., Simpson, R.W., Godson, R.H., and Kane, M.F., 1982, Digital colored residual and regional Bouguer gravity maps of the conterminous United States: U.S. Geological Survey Open-File Report 82-284, 31 p.

Hildenbrand, T.G., Simpson, R.W., Godson, R.H., and Kane, M.F., 1987, Digital colored Bouguer gravity, free-air gravity, station location, and terrain maps for the conterminous United States: U.S. Geological Survey Geophysical Investigations Map GP-953B, 2 sheets, scale 1:7,500,000.

Lysonski, J.C., 1980, The IGSN 71 residual Bouguer gravity anomaly map of Arizona: Tucson, University of Arizona, M.S. thesis, 74 p., 1 sheet, scale 1:500,000.

Lysonski, J.C., Aiken, C.L.V., and Sumner, J.S., 1981, The complete residual Bouguer gravity anomaly map [of Arizona]: Arizona Bureau of Geology and Mineral Technology Open-File Report 81-24, 2 p., 23 sheets, scale 1:250,000.

Lysonski, J.C., and Sumner, J.S., 1981, Free-air gravity anomaly map of Arizona: Tucson, University of Arizona, Department of Geosciences, Laboratory of Geophysics, 1 sheet, scale 1:1,000,000.

Lysonski, J.C., and Sumner, J.S., 1981, Free-air gravity anomaly map of Arizona: Tucson, University of Arizona, Department of Geosciences, Laboratory of Geophysics, 1 sheet, scale 1:500,000.

Lysonski, J.C., Sumner, J.S., Aiken, C.L.V., and Schmidt, J.S., 1980, The complete residual Bouguer gravity anomaly map of Arizona (IGSN 71): Arizona Bureau of Geology and Mineral Technology Open-File Report 80-15, 1 sheet, scale 1:1,000,000.

Lysonski, J.C., Sumner, J.S., Aiken, C.L.V., and Schmidt, J.S., 1980, Residual Bouguer gravity anomaly map of Arizona: Tucson, University of Arizona, Department of Geosciences, Laboratory of Geophysics, 1 sheet, scale 1:1,000,000.

Lysonski, J.C., Sumner, J.S., Aiken, C.L.V., and Schmidt, J.S., 1980, Residual Bouguer gravity anomaly map of Arizona: Tucson, University of Arizona, Department of Geosciences, Laboratory of Geophysics, 1 sheet, scale 1:500,000.

McGinnis, L.D., Wolf, M.G., Kohsmann, J.J., and Ervin, C.P., 1979, Regional free-air gravity anomalies and tectonic observations in the United States: Journal of Geophysical Research, v. 84, no. B2, p. 591-601.

Saltus, R.W., 1982, A description of Bouguer anomaly and isostatic residual colored gravity maps of the southwestern Cordillera: U.S. Geological Survey Open-File Report 82-839, 8 p.

Saltus, R.W., and Jachens, R.C., 1995, Gravity and basin-depth maps of the Basin and Range Province, western United States: U.S. Geological Survey Geophysical Investigations Map GP-1012, 1 sheet, scale 1:2,500,000.

Sauck, W.A., 1972, Compilation and preliminary interpretation of the Arizona aeromagnetic map: Tucson, University of Arizona, Ph.D. dissertation, 147 p.

Sauck, W.A., and Sumner, J.S., 1970, Residual aeromagnetic map of Arizona: Tucson, University of Arizona, Department of Geosciences, 1 sheet, scale 1:1,000,000.

Schmidt, J.S., 1976, Geophysical basis and cartography of the complete Bouguer gravity anomaly map of Arizona: Tucson, University of Arizona, M.S. thesis, 55 p.

Schmucker, U., 1964, Anomalies of geomagnetic variation in the southwestern United States: Journal of Geomagnetism and Geoelectricity, v. 15, p. 193-221.

Simpson, R.W., Jachens, R.C., Blakely, R.J., and Saltus, R.W., 1986, A new isostatic residual gravity map of the conterminous United States with a discussion on the significance of isostatic residual anomalies: Journal of Geophysical Research, v. 91, no. B8, p. 8348-8372.

Simpson, R.W., Jachens, R.C., Saltus, R.W., and Blakely, R.J., 1986, Isostatic residual gravity, topographic, and first-vertical-derivative gravity maps of the conterminous United States: U.S. Geological Survey Geophysical Investigations Map GP-975, 2 sheets, scale 1:7,500,000.

Stewart, J.H., 1978, Basin-Range structure in western North America: A review, in Smith, R.B., and Eaton, G.P., eds., Cenozoic tectonics and regional geophysics of the western Cordillera: Geological Society of America Memoir 152, p. 1-31.

Stover, C.W., 1986, Seismicity map of the conterminous United States and adjacent areas, 1975-1984: U.S. Geological Survey Geophysical Investigations Map GP-984, 1 sheet, scale 1:5,000,000.

Sumner, J.S., 1965, Gravity measurements in Arizona: Eos, Transactions, American Geophysical Union, v. 46, p. 560-563.

Sumner, J.S., 1989, Regional geophysics of Arizona, in Jenney, J.P., and Reynolds, S.J., eds., Geologic evolution of Arizona: Arizona Geological Society Digest 17, p. 717-739.

Sumner, J.S., Schmidt, J.S., and Aiken, C.L.V., 1976, Free-air gravity anomaly map of Arizona, in Wilt, J.C., and Jenney, J.P., eds., Tectonic digest: Arizona Geological Society Digest, v. 10, p. 7-12, 1 sheet, scale 1:1,000,000.

Thompson, G.A., and Burke, D.B., 1974, Regional geophysics of the Basin and Range province: Annual Review of Earth and Planetary Sciences, v. 2, p. 213-237.

West, R.E., 1972, A regional Bouguer gravity anomaly map of Arizona: Tucson, University of Arizona, Ph.D. dissertation, 186 p.

West, R.E., and Sumner, J.S., 1973, Regional Bouguer gravity map of Arizona: Tucson, University of Arizona, Department of Geosciences, Laboratory of Geophysics, 1 sheet, scale 1:1,000,000.

Woollard, G.P., and Joesting, H.R., 1964, Bouguer gravity anomaly map of the United States, exclusive of Alaska and Hawaii: American Geophysical Union and U.S. Geological Survey Special Map, 2 sheets, scale 1:2,500,000.

### 3. Ground water References

Adam, D.P., and Mehringer, P.J., Jr., 1975, Modern pollen surface samples, an analysis of subsamples: U.S. Geological Survey Journal of Research, v. 3, no. 6, p. 733-736.

Agenbroad, L.D., 1984, Recent valley deposits in southern Arizona, *in* Smiley, T.L., Nations, J.D., Péwé, T.L., and Schafer, J.P., eds., Landscapes of Arizona - The geological story: Lanham, Md., University Press of America, p. 253-268.

Anderson, T.W., 1979, Development of groundwater models of alluvial basins in south-central Arizona, *in* Arizona Water Symposium, 23rd and 24th annual, Phoenix, September 27, 1979, and September 24, 1980, Proceedings: Arizona Department of Water Resources Report no. 2, p. 13-17.

Anderson, T.W., 1980, Study plan for the regional aquifer-system analysis of alluvial basins in south-central Arizona and adjacent states: U.S. Geological Survey Open-File Report 80-1197, 22 p.

Anderson, T.W., 1983, Implications of deep percolation to ground-water systems in south-central Arizona based on numerical-model studies, *in* Briggs, P.C., ed., Proceedings of the Deep Percolation Symposium, October 26, 1982: Arizona Department of Water Resources Report no. 4, p. 30-40.

Anderson, T.W., 1984, Southwest alluvial basins, RASA study - an overview, *in* Repogle, J.A., and Renard, K.G., eds., Water today and tomorrow, Proceedings of the Specialty Conference, sponsored by the Irrigation and Drainage Division of the American Society of Civil Engineers, Flagstaff, Arizona, July 24-26, 1984: New York, American Society of Civil Engineers, p. 606-614 [available for inspection at Arizona Geological Survey, 416 W. Congress, Suite 100, Tucson, Ariz.].

Anderson, T.W., 1986, Study in southern and central Arizona and parts of adjacent states, *in* Sun, R.J., ed., Regional aquifer-system analysis program of the U.S. Geological Survey, summary of projects, 1978-84: U.S. Geological Survey Circular 1002, p. 116-131.

Anderson, T.W., 1986, Hydrologic setting, objectives, and approach of the southwest alluvial Basins, RASA study, *in* Anderson, T.W., and Johnson, A.I., eds., Regional aquifer systems of the United States - southwest alluvial basins of Arizona: Bethesda, Md., American Water Resources Association Monograph Series no. 7, p. 5-16.

Anderson, T.W., 1986, Geohydrology of the southwest alluvial basins, Arizona, *in* Anderson, T.W., and Johnson, A.I., eds., Regional aquifer systems of the United States - southwest alluvial basins of Arizona: Bethesda, Md., American Water Resources Association Monograph Series no. 7, p. 99-111.

Anderson, T.W., 1995, Summary of the Southwest alluvial basins, regional aquifer-system analysis, south-central Arizona and parts of adjacent states: U.S. Geological Survey Professional Paper 1406-A, p. A1-A33.

Anderson, T.W., and Freethey, G.W., 1995, Simulation of ground-water flow in alluvial basins in south-central Arizona and parts of adjacent states, Regional Aquifer-System Analysis: U.S. Geological Survey Professional Paper 1406-D, 78 p.

Anderson, T.W., Freethey, G.W., and Tucci, Patrick, 1990, Geohydrology and water resources of alluvial basins in south-central Arizona and parts of adjacent states: U.S. Geological Survey Open-File Report 89-378, 99 p., 3 sheets, scale 1:1,000,000.

Anderson, T.W., Freethey, G.W., and Tucci, Patrick, 1992, Geohydrology and water resources of alluvial basins in south-central Arizona and parts of adjacent states: U.S. Geological Survey Professional Paper 1406-B, p. B1-B67, 3 sheets, scale 1:1,000,000.

Anderson, T.W., and Johnson, A.I., eds., 1986, Regional aquifer systems of the United States - southwest alluvial basins of Arizona: Bethesda, Md., American Water Resources Association Monograph Series no. 7, 116 p.

Anderson, T.W., Welder, G.E., Lesser, Gustavo, and Trujillo, A., 1988, Region 7, Central Alluvial Basins, *in* Back, W., Rosenshein, J.S., and Seaber, P.R., eds., Hydrogeology: Geological Society of America, The Geology of North America, v. O-2, p. 81-86.

Anderson, T.W., and White, N.D., 1986, Arizona surface-water resources, *in* Moody, D.W., Chase E.B., and Aronson, D.A., comps., National water summary, 1985 - Hydrologic events and surface-water resources: U.S. Geological Survey Water-Supply Paper 2300, p. 145-150.

Anning, D.W., and Duet, N.R., 1994, Summary of ground-water conditions in Arizona, 1987-90: U.S. Geological Survey Open-File Report 94-476, 2 sheets, scales 1:1,000,000 and 1:2,500,000.

Arizona Department of Water Resources, 1994, Arizona water resources assessment, v. II, Hydrologic summary: Arizona Department of Water Resources Hydrology Division, 236 [266] p.

Arizona Department of Water Resources, 1994, Arizona water resources assessment, v. I, Inventory and analysis: Arizona Department of Water Resources, 253 p.

Arizona Department of Water Resources, Basic Data Section, 1990, Map showing Arizona groundwater basins with index of cities, towns, settlements and sites: Arizona Department of Water Resources Open File Report no. 7, 1 sheet, scale 1:1,000,000.

Arizona Dept. of Water Resources, 1994, Arizona Riparian Protection Program legislative report: Arizona Department of Water Resources, 507 p., 3 sheets, scales 1:5,268, 1:48,941, and 1:66,858.

Arizona Water Commission, 1974, Status report of a study of the adequacy of the water supply of the Fort Huachuca area, Arizona, *in* U.S. Army Corps of Engineers, Report on water supply, Fort Huachuca and vicinity, Arizona: Los Angeles, U.S. Army Corps of Engineers, App. 2, 53 p.

Arizona Water Commission, 1975, Arizona State Water Plan: Phase 1, Inventory of resource and uses: Arizona Water Commission, 224 p., 2 sheets, approx. scale 1:670,000.

Babcock, H.M., 1969, Annual report on ground water in Arizona, spring 1967 to spring 1968: Arizona State Land Department Water Resources Report no. 38, 54 p.

Babcock, H.M., 1969, Annual report on ground water in Arizona, spring 1968 to spring 1969: Arizona State Land Department Water Resources Report no. 42, 46 p.

Babcock, H.M., 1970, Annual report on ground water in Arizona, spring 1969 to spring 1970: Arizona State Land Department Water Resources Report no. 43, 44 p.

Babcock, H.M., 1972, Annual report on ground water in Arizona, Spring 1970 to Spring 1971: Arizona Water Commission Bulletin 1, 45 p.

Babcock, H.M., 1972, Bibliography of U.S. Geological Survey water-resources reports for Arizona, May 1965 through June 1971: Arizona Water Commission Bulletin 2, 60 p.

Babcock, H.M., 1973, Annual report on ground water in Arizona, Spring 1971 to Spring 1972: Arizona Water Commission Bulletin 5, 48 p.

Babcock, H.M., 1974, Annual report on ground water in Arizona, spring 1972 to spring 1973: Arizona Water Commission Bulletin 7, 46 p., 3 sheets, scale 1:250,000.

Babcock, H.M., 1976, Annual summary of ground-water conditions in Arizona, spring 1974 to spring 1975: U.S. Geological Survey Water-Resources Investigations Open-File Report 76-59, 2 sheets, scale 1:1,000,000.

Babcock, H.M., 1977, Annual summary of ground-water conditions in Arizona, spring 1976 to spring 1977: U.S. Geological Survey Water-Resources Investigations Open-File Report 77-106, 2 sheets, scale 1:1,000,000.

Babcock, H.M., 1977, Annual summary of ground-water conditions in Arizona, Spring 1975 to Spring 1976: U.S. Geological Survey Water-Resources Investigations Open-File Report 77-10, 2 sheets, scale 1:1,000,000.

Barnes, R.L., 1997, Maps showing groundwater conditions in the Upper San Pedro Basin, Cochise, Graham, and Santa Cruz Counties Arizona--1990: Arizona Department of Water Resources Hydrologic Map Series Report no. 31, 2 sheets, scale 1:250,000.

Bazlen, W.R., 1989, Opportunities for resolving water allocation conflicts in the San Pedro River Basin of Arizona through improving economic efficiency: Tucson, University of Arizona, M.S. thesis, 99 p.

Bedinger, M.S., Anderson, T.W., and Langer, W.H., 1984, Maps showing ground-water units and withdrawal, Basin and Range Province, Arizona: U.S. Geological Survey Water-Resources Investigations Report 83-4114-A, 2 sheets, scales 1:500,000 and 1:1,000,000.

Bedinger, M.S., Sargent, K.A., and Brady, B.T., 1985, Geologic and hydrologic characterization of the Basin and Range Province relative to the disposal of high-level radioactive waste, Part III, Geologic and hydrologic evaluation: U.S. Geological Survey Circular 904-C, 27 p.

Bedinger, M.S., Sargent, K.A., and Reed, J.E., 1984, Geologic and hydrologic characterization and evaluation of the Basin and Range Province relative to the disposal of high-level

radioactive waste, Part I, Introduction and guidelines: U.S. Geological Survey Circular 904-A, 16 p.

Blanton and Co., 1974, Concept design report for proposed water system expansion, Fort Huachuca, Arizona, *in* U.S. Army Corps of Engineers, Report on water supply, Fort Huachuca and vicinity, Arizona: Los Angeles, U.S. Army Corps of Engineers, App. 3, 2 parts, [variously paged].

Bond, K.R., and Zietz, Isidore, 1987, Composite magnetic anomaly map of the conterminous United States west of 96° longitude: U.S. Geological Survey Geophysical Investigations Map GP-977, 13 p., 2 sheets, scale 1:2,500,000.

Boner, F.C., Garrett, W.B., and Konieczki, A.D., 1989, Water resources data, Arizona, water year 1988: U.S. Geological Survey Water-Data Report AZ-88-1, 391 p.

Boner, F.C., Konieczki, A.D., and Davis, R.G., 1991, Water resources data, Arizona, water year 1990: U.S. Geological Survey Water-Data Report AZ-90-1, 381 p.

Boner, F.C., Smith, C.F., Garrett, W.B., and Konieczki, A., 1990, Water resources data, Arizona, water year 1989: U.S. Geological Survey Water-Data Report AZ-89-1, 391 p.

Braun, D.P., 1992, Waterbud: A spreadsheet-based model of the water budget and water management systems of the Upper San Pedro River Basin, Arizona: Tucson, University of Arizona, M.S. thesis, 322 p.

Briggs, P.C., and Nemecek, E.A., 1986, Technical aspects of Arizona groundwater law, *in* Anderson, T.W., and Johnson, A.I., eds., Regional aquifer systems of the United States - southwest alluvial basins of Arizona: Bethesda, Md., American Water Resources Association Monograph Series no. 7, p. 93-98.

Brown, S.G., 1976, Preliminary maps showing ground-water resources in the Lower Colorado River region, Arizona, Nevada, New Mexico, and Utah: U.S. Geological Survey Hydrologic Investigations Atlas HA-542, 1 sheet, scale 1:1,000,000.

Brown, S.G., and Aldridge, B.N., 1973, Streamflow gains and losses and ground-water recharge in the San Pedro River Basin, Arizona: U.S. Geological Survey Open-File Report, 40 p., 2 sheets, 1:250,000.

Brown, S.G., Davidson, E.S., Kister, L.R., and Thomsen, B.W., 1966, Water resources of Fort Huachuca Military Reservation, southeastern Arizona: U.S. Geological Survey Water Supply Paper 1819-D, 57 p.

Bryan, Kirk, Smith, G.E.P., and Waring, G.A., 1967, Ground-water supplies and irrigation in San Pedro Valley, Arizona: U.S. Geological Survey Open-File Report [unnumbered], Tucson, Ariz., August 28, 1967 [1934], 167 p., 2 sheets.

Bultman, M.W., Gettings, M.E., and Wynn, Jeff, 2002, An interpretation of the 1997 airborne electromagnetic (AEM) survey, Fort Huachuca vicinity, Cochise County, Arizona: U.S. Geological Survey Open-File Report 99-7-b, CD-ROM.

Buol, S.W., 1964, Calculated actual and potential evapotranspiration in Arizona: Tucson, University of Arizona, Agricultural Experiment Station Technical Bulletin 162, 48 p.

Burtell, R.T, 1989, Geochemistry and occurrence of ground water in the Allen Flat Basin, Arizona: Tucson, University of Arizona, M.S. thesis, 164 p.

Carlisle, Donald, 1978, The distribution of calcretes and gypcretes in southwestern United States and their uranium favorability - Based on a study of deposits in western Australia and South West Africa (Namibia), with sections by P.M. Merifield, A.R. Orme, M.S. Kohl, and Oded Kolker, in consultation with O.R. Lunt: U.S. Department of Energy Report GJBX-29(78), 274 p. 5 sheets, scales 1:60,000 and 1:1,000,000.

Chaffee, M.A., 1990, Geochemistry, *in* Peterson, J.A., ed., Preliminary mineral resource assessment of the Tucson and Nogales 1° by 2° quadrangles, Arizona: U.S. Geological Survey Open-File Report 90-0276, p. 19-40.

Cherkauer, D.S., 1969, Longitudinal profiles of ephemeral streams in southeastern Arizona: Tucson, University of Arizona, M.S. thesis, 83 p.

Clark, T.C., 1975, The Arizona Water Plan, a status report, *in* Arizona Watershed Symposium, 19th annual, Phoenix, September 24, 1975, Proceedings: Arizona Water Commission Report no. 7, p. 9-23.

Coes, A.L., 1997, A geochemical approach to determine ground-water flow patterns in the Sierra Vista Basin, Arizona, with special emphasis on ground-water/surface-water interaction: Tucson, University of Arizona, M.S. thesis, 134 p.

Coes, A.L., 2001, Investigation of recharge through areas adjacent to and within ephemeral streams, Sierra Vista subwatershed, Arizona [abs.], in Annual Symposium, 14th, September 12-15, 2001, Proceedings: Arizona Hydrologic Society, p. 17-18.

Coes, A.L., Gellenbeck, D.J., and Towne, D.C., 1999, Ground-water quality in the Sierra Vista Subbasin, Arizona, 1996-97: U.S. Geological Survey Water-Resources Investigations Report 99-4056, 50 p.

Cordy, G.E., Gellenbeck, D.J., Gebler, J.B., Anning, D.W., Coes, A.L., Edmonds, R.J., Rees, J.A.H., and Sanger, H.W., 2000, Water quality in the central Arizona basins, Arizona, 1995-98: U.S. Geological Survey Circular 1213, 38 p.

Cordy, G.E., Rees, J.A., Edmonds, R.J., Gebler, J.B., Wirt, Laurie, Gellenbeck, D.J., and Anning, D.W., 1998, Water-quality assessment of the central Arizona basins, Arizona and northern Mexico - Environmental setting and overview of water quality: U.S. Geological Survey Water-Resources Investigations Report 98-4097, 72 p.

Corell, S.W., 1996, Groundwater flow model scenarios of future groundwater and surface water conditions: Sierra Vista Subwatershed of the Upper San Pedro Basin - southeastern Arizona: Arizona Department of Water Resources Hydrologic Monitoring Report no. 10a, 15 p.

Corell, S.W., Corkhill, E.F., Lovvik, D., and Putman, F., 1996, A groundwater flow model of the Sierra Vista Subwatershed of the Upper San Pedro Basin - southeastern Arizona: Arizona Department of Water Resources Modeling Report no. 10, 107 p.

Cox, C.J., and others, 1968, Annual report on ground water in Arizona, spring 1966 to spring 1967: Arizona State Land Department Water Resources Report no. 36, 43 p.

Daniel, D.L., 1981, Maps showing total dissolved solids content of groundwater in Arizona: Arizona Department of Water Resources Hydrologic Map Series Report no. 2, 2 sheets, scale 1:1,000,000.

Daquan, Tian, 1993, Rainfall spatial and seasonal variability analysis in semi-arid watersheds: Tucson, University of Arizona, M.S. thesis, 113 p.

Davidson, E.S., 1979, Summary appraisals of the Nation's ground-water resources -- lower Colorado region: U.S. Geological Survey Professional Paper 813-R, 23 p., 3 sheets, scale 1:1,000,000.

Davidson, E.S., and White, N.D., 1963, San Pedro River Valley, *in* White, N.D., Stulik, R.S., Morse, E.K., and others, Annual report on ground water in Arizona, spring 1962 to spring 1963: Arizona State Land Department Water-Resources Report no. 15, p. 68-76.

Deane, T.C., 2000, Conceptualization of groundwater flow in the shallow aquifer along the Apache Reach of the San Pedro River, Cochise County, Arizona: Tucson, University of Arizona, M.S. thesis, 202 p., 3 sheets.

Dempsey, W.J., Fackler, W.D., and others, 1963, Aeromagnetic map of the Dragoon quadrangle, Cochise County, Arizona: U.S. Geological Survey Geophysical Investigations Map GP-412, 1 sheet, scale 1:62,500.

DeWald, L.B., 1984, The occurrence of dissolved oxygen in ground waters of the Upper San Pedro Basin, Cochise County, Arizona: Tucson, University of Arizona, M.S. thesis, 68 p.

Diment, W.H., and Urban, T.C., 1981, Average elevation of the conterminous United States (Gilluly averaging method): U.S. Geological Survey Geophysical Investigations Map GP-933, 2 sheets, scale 1:2,500,000.

Duncan, J.T., Spencer, J.E., Eshraghi, P., and Emrick, S.M., 1993, A reconnaissance study of radon and other radionuclides in Arizona well water, in Spencer, J.E., ed., Radon in Arizona: Arizona Geological Survey Bulletin 199, p. 86-92.

Eberly, L.D., and Stanley, T.B., Jr., 1978, Cenozoic stratigraphy and geologic history of southwestern Arizona: Geological Society of America Bulletin, v. 89, no. 6, p. 921-940.

Ellingson, S.B., and Redding, M.B., 1988, Random survey of VOC's, pesticides and inorganics in Arizona's drinking water wells, *in* Proceedings of FOCUS Conference on Southwestern Ground Water Issues March 23-25, 1988: Dublin, Ohio, National Water Well Association, p. 223-247.

Feth, J.H., and others, 1964, Preliminary map the conterminous United States showing depth to and quality of shallowest ground water containing more than 1,000 parts per million dissolved solids: U.S. Geological Survey Hydrologic Investigations Atlas HA-199, 31 p., 2 sheets, scale 1:3,168,000.

Fields, R.L., 1986, Data-processing activities of the southwest alluvial Basins, RASA study, *in* Anderson, T.W., and Johnson, A.I., eds., Regional aquifer systems of the United States - southwest alluvial basins of Arizona: Bethesda, Md., American Water Resources Association Monograph Series no. 7, p. 17-23.

Fleming, J.B., Pool, D.R., and Blaylock, M., 2001, Geophysical investigations of shallow structure and lithology to aid in characterization of stream-aquifer interactions in the Upper San Pedro River Basin [abs.], *in* Annual Symposium, 14th, September 12-15, 2001, Proceedings: Arizona Hydrologic Society, p. 88-89

Freethey, G.W., 1982, Hydrologic analysis of the upper San Pedro Basin from the Mexico-United States International Boundary to Fairbank, Arizona: U.S. Geological Survey Open-File Report 82-752, 64 p., 10 sheets, scale 1:250,000.

Freethey, G.W., 1984, Ground-water modeling, alluvial basins of Arizona, *in* Repogle, J.A., and Renard, K.G., eds., Water today and tomorrow, Specialty Conference, Irrigation and Drainage Division of the American Society of Civil Engineers, Flagstaff, Arizona, July 24-26, 1984, Proceedings: American Society of Civil Engineers, p. 57-67.

Freethey, G.W., 1986, Considerations in modeling ground-water flow in the alluvial basins of Arizona, *in* Anderson, T.W., and Johnson, A.I., eds., Regional aquifer systems of the United States - southwest alluvial basins of Arizona: Bethesda, Md., American Water Resources Association Monograph Series no. 7, p. 57-67.

Freethey, G.W., and Anderson, T.W., 1986, Predevelopment hydrologic conditions in the alluvial basins of Arizona and adjacent parts of California and New Mexico: U.S. Geological Survey Hydrologic Investigations Atlas HA-664, 3 sheets, scale 1:500,000.

Freethey, G.W., Pool, D.R., Anderson, T.W., and Tucci, P., 1986, Description and generalized distribution of aquifer materials in the alluvial basins of Arizona and adjacent parts of California and New Mexico: U.S. Geological Survey Hydrologic Investigations Atlas HA-663, 4 sheets, scale 1:500,000.

Garrett, J.M., and Gellenbeck, D.J., 1991, Basin characteristics and streamflow statistics in Arizona as of 1989: U.S. Geological Survey Water-Resources Investigations Report 91-4041, 612 p.

Gellenbeck, D.J., and Anning, D.W., 2002, Occurrence and distribution of pesticides and volatile organic compounds in ground water and surface water in central Arizona basins, 1996-98, and their relation to land use: U.S. Geological Survey Water-Resources Investigations Report 01-4144, 107 p.

Gillilan, D.M., 1992, Institutional alternatives for managing water resources in the Upper San Pedro River Basin, Arizona: Tucson, University of Arizona, M.S. thesis, 147 p.

Goicoechea, A., Duckstein, L., and Fogel, M.M., 1976, A multiobjective approach to managing a southern Arizona watershed, *in* Chery, D.L., Jr., ed., Hydrology and water resources in Arizona and the Southwest, v. 6: American Water Resources Association, Arizona Section, and Arizona Academy of Science, Hydrology Section, Annual Meeting, Tucson, Ariz., 1976, Proceedings, p. 233-242.

Goicoechea, A., Duckstein, L., and Fogel, M.N., 1976, Multiobjective programming in watershed management, a study of the Charleston Watershed: Water Resources Research, v. 12, p. 1085-1092.

Goode, T.C., 2000, Simulation of groundwater conditions in the Upper San Pedro Basin for the evaluation of alternative futures: Tucson, University of Arizona, M.S. thesis, 135 p., 8 sheets.

Goodrich, D.C., 1990, Geometric simplification of a distributed rainfall-runoff model over a range of basin scales: Tucson, University of Arizona, Ph.D. dissertation, 361 p.

Goodrich, D.C., Williams, D.G., Unkrich, C.L., Hogan, J.F., Scott, R.L., Hultine, K.R., Pool, D., Coes, A.L., Miller, S. 2004. Comparison of methods to estimate ephemeral channel recharge, Walnut Gulch, San Pedro River Basin, Arizona. In: Groundwater Recharge in a Desert Environment: The Southwestern United States, J.F. Hogan, F.M. Phillips and B.R. Scanlon (eds.), Water Science and Applications Series, Vol. 9, American Geophysical Union, Washington, DC, pp. 77-99.

Gray, R.S., 1965, Late Cenozoic sediments in the San Pedro Valley near St. David, Arizona: Tucson, University of Arizona, Ph.D. dissertation, 198 p, 3 sheets.

Gungle, B., 2001, Instream temperature-sensor network used to indicate ephemeral streamflow and recharge in the Sierra Vista subwatershed of the Upper San Pedro River Basin, Southeastern Arizona [abs.], *in* Annual Symposium, 14th, September 12-15, 2001, Proceedings: Arizona Hydrologic Society, p. 19-20

Hahman, W.R., Sr., Stone, C., and Witcher, J.C., comps., 1978, Preliminary map - Geothermal energy resources of Arizona: Arizona Bureau of Geology and Mineral Technology Geothermal Map No. 1 [also published as Arizona Geological Survey Map 15-1], 1 sheet, scale 1:1,000,000.

Halpenny, L.C., 1987, Groundwater and surface water interconnection in Arizona: Water Development Corporation, [variously paged].

Halpenny, L.C., and others, 1952, Ground water in the Gila River basin and adjacent areas, Arizona--a summary: U.S. Geological Survey Open-File Report [unnumbered], Tucson, Ariz., October 1952, 224 p.

Hardt, W.F., Cahill, J.M., and Booher, M.B., 1958, Annual report on ground water in Arizona, spring 1957 to spring 1958: Arizona State Land Department Water Resources Report no. 5, 60 p.

Hardt, W.F., Stulik, R.S., and Booher, H.B., 1960, Annual report on ground water in Arizona, spring 1959 to spring 1960: Arizona State Land Department Water Resources Report no. 7, [89 p.]

Hardt, W.F., Stulik, R.S., and Booher, M.B., 1959, Annual report on ground water in Arizona, spring 1958 to spring 1959: Arizona State Land Department Water Resources Report no. 6, 61 p.

Harshbarger and Associates, 1974, Report on water development in the Ft. Huachuca area, Arizona, in U.S. Army Corps of Engineers, Report on water supply, Fort Huachuca and vicinity, Arizona: Los Angeles, U.S. Army Corps of Engineers, App. 1, 33 p., 2 sheets, scale 1:185,000.

Harshbarger, J.W., Lewis, D.D., Skibitzke, H.E., Heckler, W.L., and Kister, L.R., revised by H.L. Baldwin, 1966, Arizona water: U.S. Geological Survey Water-Supply Paper 1648, 85 p.

Harwood, Gerald, and DeCook, K.J., eds., 1979, Hydrology and water resources in Arizona and the Southwest, v. 9: American Water Resources Association, Arizona Section, and Arizona Academy of Science, Hydrology Section, Annual Meeting, Tempe, Ariz., 1979, Proceedings, 173 p.

Hassemer, J.R., Ficklin, W.H., Motooka, J.M., and Watts, K.C., 1983, Analytical results for 328 water samples from the Silver City 1° X 2° quadrangle, Arizona and New Mexico, with contributions from D.J. Preston, S.M. Smaglik, and F.N. Ward: U.S. Geological Survey Open-File Report 83-84, 42 p., 1 sheet, scale 1:250,000.

Heindl, L.A., 1952, Upper San Pedro basin, *in* Halpenny and others, Ground water in the Gila River basin and adjacent areas, Arizona-A Summary: U.S. Geological Survey Open-File Report, p. 69-86.

Heindl, L.A., 1965, Ground water in fractured volcanic rocks in southern Arizona, *in* Hydrology of fractured rocks: Gentbrugge, Belgium, International Association of Scientific Hydrology (IASH), Publication 74, v. 2, p. 503-513.

Henrich, M.J., 1992, Evaluating water management policy options for the Upper San Pedro Basin of Arizona: Tucson, University of Arizona, M.S. thesis, 95 p.

Hodges, E.B., and others, 1967, Annual report on ground water in Arizona, spring 1965 to spring 1966: Arizona State Land Department Water Resources Report no. 32, 61 p.

Holbert, K.E., Stewart, B.D., and Eshraghi, P., 1995, Measurement of radioactivity in Arizona groundwater using improved analytical techniques for samples with high dissolved solids: Health Physics, v. 68, no. 2, p. 185-194.

Hollyday, E.F., 1963, A geohydrologic analysis of mine dewatering and water development, Tombstone, Cochise County, Arizona: Tucson, University of Arizona, M.S. thesis, 90 p., 3 sheets, scales 1:6,000 and 1:62,500.

Jahnke, Philip, 1994, Modeling of groundwater flow and surface/groundwater interaction for the San Pedro River Basin from Fairbank to Redington, Arizona: Tucson, University of Arizona, M.S. thesis, [variously paged].

Jones, N.O., 1979, Preliminary geothermal assessment of the Willcox basin: U.S. Geological Survey Open-File Report 79-12, 7 sheets, scale 1:250,000.

Keith, S.J., 1978, Ephemeral flow and water quality problems: A case study of the San Pedro River in southeastern Arizona, *in* Verma, T.R., ed., Hydrology and water resources in Arizona and the Southwest, v. 8: American Water Resources Association, Arizona Section, and Arizona Academy of Science, Hydrology Section, Annual Meeting, Flagstaff, Ariz., 1978, Proceedings, p. 97-100.

Keith, S.J., Paylore, Patricia, DeCook, K.J., and Wilson, L.G., 1982, Bibliography on ground-water recharge in arid and semiarid areas: Tucson, University of Arizona, Water Resources Research Center, 149 p.

Koester, E.A., and Conley, J.N., 1972, Well location map, Cochise County, Arizona: Arizona Oil and Gas Conservation Commission, County Well Location Map 4, 1 sheet, scale 1:500,000 [superseded by Koester, E.A., Conley, J.N., and Rauzi, S.L., 1995, Arizona Geological Survey Oil and Gas Publication OG-6].

Koester, E.A., Conley, J.N., and Rauzi, S.L., 1995, Well location map, Cochise County, Arizona - wells posted to January 1995: Arizona Geological Survey Oil and Gas Publication OG-6, 1 sheet, scale 1:500,000.

Konieczki, A.D., 1980, Maps showing ground-water conditions in the Upper San Pedro Basin area, Pima, Santa Cruz, and Cochise Counties, Arizona --1978: U.S. Geological Survey Open-File Report 80-1192, 2 sheets.

Konieczki, A.D., and Wilson, R.P., 1992, Annual summary of ground-water conditions in Arizona, spring 1986 to spring 1987: U.S. Geological Survey Water-Resources Investigations Open-File Report 92-54, 2 sheets, scales 1:1,000,000 and 1:3,077,000.

Lawler, D., 2001, Monitoring flow events using diurnal streambed temperature fluctuations in the San Pedro River, Arizona [abs.], *in* Annual Symposium, 14th, September 12-15, 2001, Proceedings: Arizona Hydrologic Society, p. 21-22

Leenhouts, J., and Pool, D., 2001, Stream-aquifer interactions in the San Pedro Riparian National Conservation area, Cochise County, Arizona [abs.], *in* Annual Symposium, 14th, September 12-15, 2001, Proceedings: Arizona Hydrologic Society, p. 23-24

Ligner, J.J., White, N.D., Kister, L.R., and Moss, M.E., 1969, Water resources: Part II of Mineral and water resources of Arizona: Arizona Bureau of Mines Bulletin 180, p. 471-580.

Littin, G.R., 1987, Groundwater resources of the Bisbee-Naco area, Cochise County, Arizona: U.S. Geological Survey Water-Resources Investigations Report 87-4103, 34 p.

Longsworth, S.A., Van De Vanter, E.K., and Alwin, S.H., 1998, Activities of the Water Resources Division in Arizona, 1996-97: U.S. Geological Survey Open-File Report 98-185, 90 p.

Maddock, T., III, and Vionnet, L.B., 1998, Groundwater capture processes under a seasonal variation in natural recharge and discharge: Hydrogeology Journal, v. 6, p. 24-32.

Marie, J.R., Van De Vanter, E.K., and Moss, C.L., 1996, Activities of the Water Resources Division in Arizona, 1995-1996: U.S. Geological Survey Open-File Report 95-772, 69 p.

Mariner, R.H., Presser, T.S., and Evans, W.C., 1977, Chemical, isotopic, and gas compositions of selected thermal springs in Arizona, New Mexico, and Utah: U.S. Geological Survey Open-File Report 77-654, 12 p.

Massanat, Y.M., 1972, Evaluation of factors contributing to piping erosion near Benson, Cochise County, Arizona: Tucson, University of Arizona, M.S. thesis, 73 p.

Massanat, Y.M., 1980, Development of piping erosion conditions in the Benson area, Arizona, U.S.A.: Quarterly Journal of Engineering Geology London, v. 13, p.53-61.

McGuinness, C.L., 1964, Generalized map showing annual runoff and productive aquifers in the conterminous United States: U.S. Geological Survey Hydrologic Investigations Atlas HA-194, scale 1:5,000,000.

Michaud, J.D., 1992, Distributed rainfall-runoff modeling of thunderstorm-generated floods: A case study in a mid-sized, semi-arid watershed in Arizona: Tucson, University of Arizona, Ph.D. dissertation, 319 p.

Montgomery, E.L., 1963, The geology and ground water investigation of the Tres Alamos Dam site area of the San Pedro River, Cochise County, Arizona: Tucson, University of Arizona, M.S. thesis, 61 p.1 sheet, scale 1:31,680.

Montgomery, E.L., and Harshbarger, J.W., 1989, Arizona hydrogeology and water supply, in Jenney, J.P., and Reynolds, S.J., eds., Geologic evolution of Arizona: Arizona Geological Society Digest 17, p. 827-840.

Montgomery, E.L., and Harshbarger, J.W., 1992, Arizona hydrogeology and water supply: Applied Hydrogeology, v. 1, no. 1, p. 25-37.

Olander, A., and Ferre, P.A., 2001, Laboratory methods for calculating the hydraulic and physical properties of soil cores, Sierra Vista Subwatershed, Arizona [abs.], *in* Annual Symposium, 14th, September 12-15, 2001, Proceedings: Arizona Hydrologic Society, p. 128-129

Oppenheimer, J.M., 1980, Gravity modeling of the alluvial basins, southern Arizona: Tucson, University of Arizona, M.S. thesis, 81 p.

Oppenheimer, J.M., and Sumner, J.S., 1981, Gravity modeling of the basins in the Basin and Range province, Arizona: Arizona Geological Society Digest, v. 13, p. 111-115, 1 sheet, scale 1:1,000,000.

Osborn, H.B., 1971, Thunder storm runoff in southeastern Arizona: Tucson, University of Arizona, Ph.D. dissertation, 161 p.

Owen-Joyce, S.J., 1992, Accounting system for water use by vegetation in the lower Colorado River valley: U.S. Geological Survey, Water Fact Sheet, Open-File Report 92-83, 2 p.

Page, H.G., 1963, Water regimen of the inner valley of the San Pedro River near Mammoth, Arizona (a pilot study), *in* Contributions to the hydrology of the United States: U.S. Geological Survey Water-Supply Paper 1669-I, p. I1-I22, 2 sheets, scale 1:48,000.

Peirce, H.W., and Scurlock, J.R., 1972, Arizona well information: Arizona Bureau of Mines Bulletin 185, 195 p. [reprinted 1988, Arizona Geological Survey].

Pima Association of Governments, 1994, Water quality: State of the region report: Tucson, Ariz., [177 p.].

Pool, D.R., 1984, Aquifer geology of alluvial basins of Arizona, *in* Repogle, J.A., and Renard, K.G., eds., Water today and tomorrow, Specialty Conference, Irrigation and Drainage Division of the American Society of Civil Engineers, Flagstaff, Arizona, July 24-26, 1984, Proceedings: American Society of Civil Engineers, p. 683-690.

Pool, D.R., 1986, Aquifer geology of alluvial basins of Arizona, *in* Anderson, T.W., and Johnson, A.I., eds., Regional aquifer systems of the United States - southwest alluvial basins of Arizona: Bethesda, Md., American Water Resources Association Monograph Series no. 7, p. 25-36.

Pool, D.R., 2005. Variations in climate and ephemeral channel recharge in southeastern Arizona, United States, Water Resources Research, Vol. 41, W11403, doi:10.1029/2004WR003255.

Pool, D.R., and Coes, A.L., 1999, Hydrogeologic investigations of the Sierra Vista subwatershed of the Upper San Pedro Basin, Cochise County, southeast Arizona: U.S. Geological Survey Water-Resources Investigations Report 99-4197, 41 p., 3 sheets, scale 1:100,000.

Pope, G.L., Rigas, P.D., and Smith, C.F., 1998, Statistical summaries of streamflow data and characteristics of drainage basins for selected streamflow-gaging stations in Arizona through water year 1996: U.S. Geological Survey Water-Resources Investigations Report 98-4225, 907 p.

Robertson, F.N., 1984, Trace elements in ground water in southern Arizona [abs.], *in* Repogle, J.A., and Renard, K.G., eds., Water today and tomorrow, Specialty Conference, Irrigation and Drainage Division of the American Society of Civil Engineers, Flagstaff, Arizona, July 24-26, 1984, Proceedings: American Society of Civil Engineers, p. 674.

Robertson, F.N., 1986, Occurrence and solubility controls of trace elements in ground water in alluvial basins of Arizona, *in* Anderson, T.W., and Johnson, A.I., eds., Regional aquifer systems of the United States - southwest alluvial basins of Arizona: Bethesda, Md., American Water Resources Association Monograph Series no. 7, p. 69-80.

Robertson, F.N., 1989, Ground-water geochemistry and information transfer in alluvial basins in Arizona [abs.], *in* International Geological Congress, 28th, Washington, D.C., July 9-19, 1989, Abstracts, v. 2, p. 709-710.: International Geological Congress, p. 2.709-2.710.

Robertson, F.N., 1989, Arsenic in ground-water under oxidizing conditions, south-west United States: Environmental Geochemistry and Health, v. 11, no. 3/4, p. 171-185.

Robertson, F.N., 1991, Radiocarbon dating in the San Pedro Valley, southeastern Arizona: Radiocarbon, v. 33, no. 2, p. 236.

Robertson, F.N., 1991, Geochemistry of ground-water in alluvial basins of Arizona and adjacent parts of Nevada, New Mexico, and California: U.S. Geological Survey Professional Paper 1406-C, p. C1-C90.

Robertson, F.N., and Garrett, W.B., 1988, Distribution of fluoride in ground water in the alluvial basins of Arizona and adjacent parts of California, Nevada, and New Mexico: U.S. Geological Survey Hydrologic Investigations Atlas HA-665, 3 sheets, scale 1:500,000.

Robson, S.G., and Banta, E.R., 1995, Ground water atlas of the United States, segment 2, Arizona, Colorado, New Mexico, Utah: U.S. Geological Survey Hydrologic Investigations Atlas HA-730-C, 32 p.

Roeske, R.H., and Werrell, W.L., 1973, Hydrologic conditions in the San Pedro River Valley, Arizona, 1971: Arizona Water Commission Bulletin 4, 76 p., 2 sheets, scale 1:125,000.

Rojo, H.A., Bredehoeft, John, Lacewell, Ronald, Price, Jeff, Stromberg, Julie, and Thomas, G.A., 1998, Sustaining and enhancing riparian migratory bird habitat on the upper San Pedro River: Public review draft, 15 June 1998, prepared for the Secretariat of the Commission for Environmental Cooperation, 141 p.

Saltus, R.W., and Jachens, R.C., 1995, Gravity and basin-depth maps of the Basin and Range Province, western United States: U.S. Geological Survey Geophysical Investigations Map GP-1012, 1 sheet, scale 1:2,500,000.

Sargent, K.A., and Bedinger, M.S., 1985, Geologic and hydrologic characterization and evaluation of the Basin and Range Province relative to the disposal of high-level radioactive waste, Part II, Geologic and hydrologic characterization: U.S. Geological Survey Circular 904-B, 30 p.

Schulte, M.A., 1997, Dilution gauging as a method to quantify groundwater baseflow fluctuations in Arizona's San Pedro River: Tucson, University of Arizona, M.S. thesis, 93 p.

Schumann, H.H., 1988, U.S. Geological Survey ground-water studies in Arizona: U.S. Geological Survey Open-File Report 88-164, 2 p.

Schumann, H.H., Tosline, D.J., and Wrege, B.M., 1984, Occurrence and prediction of earth-fissure hazards caused by ground-water depletion in south-central Arizona, U.S.A. [abs.], *in* Repogle, J.A., and Renard, K.G., eds., Water today and tomorrow, Specialty Conference,

Irrigation and Drainage Division of the American Society of Civil Engineers, Flagstaff, Arizona, July 24-26, 1984, Proceedings: American Society of Civil Engineers, p. 673.

Schwartzman, P.N., 1990, A hydrogeologic resource assessment of the lower Babocomari Watershed, Arizona: Tucson, University of Arizona, M.S. thesis, 212 p., 3 sheets.

Sharma, Vandana, 1997, A seasonal groundwater flow model of the Upper San Pedro River Basin, Cochise County, Arizona: Tucson, University of Arizona, M.S. thesis, 120 p.

Silver, L.T., 1955, The structure and petrology of the Johnny Lyon Hills area, Cochise County, Arizona: Pasadena, California Institute of Technology, Ph.D. dissertation, 407 p., 4 sheets, scale 1:24,000.

Simpson, R.W., Jachens, R.C., Saltus, R.W., and Blakely, R.J., 1986, Isostatic residual gravity, topographic, and first-vertical-derivative gravity maps of the conterminous United States: U.S. Geological Survey Geophysical Investigations Map GP-0975, 2 sheets, scale 1:7,500,000.

Smith, C.F., Anning, D.W., Duet, N.R., Fisk, G.G., McCormack, H.F., Pope, G.L., Rigas, P.D., and Wallace, B.L., 1995, Water resources data, Arizona, water year 1994: U.S. Geological Survey Water-Data Report AZ-94-1, 320 p.

Smith, C.F., Boner, F.C., Davis, R.G., Duet, N.R., and Rigas, P.D., 1993, Water resources data, Arizona, water year 1992: U.S. Geological Survey Water-Data Report AZ-92-1, 360 p.

Smith, C.F., Duet, N.R., Fisk, G.G., McCormack, H.F., Partin, C.K., Pope, G.L., Rigas, P.D., and Tadayon, S., 1996, Water resources data, Arizona, water year 1995: U.S. Geological Survey Water-Data Report AZ-95-1, 306 p.

Smith, C.F., Duet, N.R., Fisk, G.G., McCormack, H.F., Partin, C.K., Pope, G.L., and Rigas, P.D., 1997, Water resources data, Arizona, water year 1996: U.S. Geological Survey Water-Data Report AZ-96-1, 328 p.

Smith, C.F., Rigas, P.D., Ham, L.K., Duet, N.R., and Anning, D.W., 1994, Water resources data, Arizona, water year 1993: U.S. Geological Survey Water-Data Report AZ-93-1, 360 p.

Smith, G.A., 2000, Recognition and significance of streamflow-dominated piedmont facies in extensional basins: Basin Research, v. 12, p. 399-411.

Smith, G.E.P., 1938, The physiography of Arizona valleys and the occurrence of ground water: Tucson, University of Arizona, College of Agriculture, Agricultural Experiment Station, Technical Bulletin no. 77, 91 p.

Smith, H.V., Caster, A.B., Fuller, W.H., Breazeale, E.L., and Draper, George, 1949, The chemical composition of representative Arizona waters: Tucson, University of Arizona Bulletin (Department of Agriculture, Agricultural Experiment Station) 225, 76 p.

Soil Conservation Service, Economic Research Service, Forest Service, and Arizona Water Commission, 1977, Santa Cruz-San Pedro River basin, Arizona: Resource inventory: U.S. Department of Agriculture Soil Conservation Service, [350] p.

Spangler, D.P., 1969, A geophysical study of the hydrogeology of the Walnut Gulch experimental watershed, Tombstone, Arizona: Tucson, University of Arizona, Ph.D. dissertation, 103 p., 6 sheets, scale 1:6,000.

Spencer, J.E., 2002, Natural occurrence of arsenic in Southwest ground water: Southwest Hydrology, v. 1, no. 1, p. 14-15.

Spicer, L.M., and Van De Vanter, E.K., comps., 1993, Activities of the Water Resources Division in Arizona, 1986-91: U.S. Geological Survey Open-File Report 93-165, 144 p.

Stone, Claudia, and Witcher, J.C., 1982, Geothermal energy in Arizona - Final Contract Report: Arizona Bureau of Geology and Mineral Technology Open-File Report 83-12, 398 p.

Stover, C.W., 1986, Seismicity map of the conterminous United States and adjacent areas, 1975-1984: U.S. Geological Survey Geophysical Investigations Map GP-984, 1 sheet, scale 1:5,000,000.

Summerside, S.E., 1991, Systems analysis of Upper San Pedro River Basin conflicts: Tucson, University of Arizona, M.S. thesis, 178 p.

Sumner, J.S., and Halvorson, P.F., 1983, Geophysical exploration surveys for ground water in the San Pedro Basin, Arizona: Research Project Technical Completion Report, A-108-ARIZ, 27 p.

Thomas, B.E., Hjalmarzon, H.W., and Waltemeyer, S.D., 1994, Methods for estimating magnitude and frequency of floods in the southwestern United States: U.S. Geological Survey Open-File Report 93-419, 211 p.

Thompson, S., III, Tovar-R., J.C., and Conley, J.N., 1978, Oil and gas exploration wells in the Pedregosa Basin, *in* Callender, J.F., Wilt, J.C., Clemons, R.E., and James, H.L., eds., Land of Cochise, southeastern Arizona: New Mexico Geological Society 29th Field Conference Guidebook, p. 331-342.

Tucci, Patrick, 1989, Geophysical methods for water-resources studies in southern and central Arizona, in Symposium on the Application of Geophysics to Engineering and Environmental Problems, Proceedings: Denver, Society of Engineering and Mineral Exploration Geophysicists, p. 368-383.

Tucci, Patrick, and Pool, D.R., 1986, Use of geophysics for geohydrologic studies in the alluvial basins of Arizona, *in* Anderson, T.W., and Johnson, A.I., eds., Regional aquifer systems of the United States - southwest alluvial basins of Arizona: Bethesda, Md., American Water Resources Association Monograph Series no. 7, p. 37-56.

Underground Water Commission, 1953, The underground water resources of Arizona: Phoenix, Ariz., Underground Water Commission, 174 p.

U.S. Army Corps of Engineers, 1974, Report on water supply, Fort Huachuca and vicinity, Arizona: Los Angeles, U.S. Army Corps of Engineers, Los Angeles Engineer District, 2 v.

U.S. Army Corps of Engineers, 1974, Main Report, *in* U.S. Army Corps of Engineers, Report on water supply, Fort Huachuca and vicinity, Arizona: Los Angeles, U.S. Army Corps of Engineers, Los Angeles Engineer District, 17 p., 4 sheets, scales 1:67,000, 1:175,000, and 1:385,000.

U.S. Army Corps of Engineers, Sacramento Engineer District, 1974, Test well drilling and study of hydrogeologic conditions, *in* U.S. Army Corps of Engineers, Report on water supply, Fort Huachuca and vicinity, Arizona: Los Angeles, U.S. Army Corps of Engineers, App. 4, [variously paged].

U.S. Army Corps of Engineers, Sacramento District, 1974, Fort Huachuca, Arizona supplemental report: Test well drilling and study of hydrogeologic conditions, January 1974: Sacramento, Calif., U.S. Army Corps of Engineers, Sacramento District, [51 p.], 12 sheets.

U.S. Army Corps of Engineers, Sacramento District, 1977, Fort Huachuca, Arizona water wells no. 7, 8 and 9 construction report, April 1977: Sacramento, Calif., U.S. Army Corps of Engineers, Sacramento District, [30 p.], 6 sheets.

U.S. Geological Survey, 1970, 1969 water resources data for Arizona - Part 1. Surface water records: U.S. Geological Survey, 251 p.

U.S. Geological Survey, 1971, 1971 water resources data for Arizona - Part 1. Surface water records: U.S. Geological Survey, [253] p. [NTIS PB-287 164].

U.S. Geological Survey, 1971, 1971 water resources data for Arizona - Part 2. Water quality records: U.S. Geological Survey Water-Resources Data Report, 167 p. [NTIS PB-287 165].

U.S. Geological Survey, 1972, 1972 water resources data for Arizona - Part 1. Surface water records: U.S. Geological Survey Water-Resources Data Report, 263 p. [NTIS PB-287 166].

U.S. Geological Survey, 1972, 1972 water resources data for Arizona - Part 2. Water quality records: U.S. Geological Survey Water-Resources Data Report, 166 p. [NTIS PB-287 167].

U.S. Geological Survey, 1973, 1973 water resources data for Arizona - Part 1. Surface water records: U.S. Geological Survey Water-Resources Data Report, 257 p. [NTIS PB-287 168].

U.S. Geological Survey, 1973, 1973 water resources data for Arizona - Part 2. Water quality records: U.S. Geological Survey Water-Resources Data Report, 188 p. [NTIS PB-287 169].

U.S. Geological Survey, 1974, 1974 water resources data for Arizona - Part 1. Surface water records: U.S. Geological Survey, [247] p. [NTIS PB-287 170].

U.S. Geological Survey, 1974, 1974 water resources data for Arizona - Part 2. Water quality records: U.S. Geological Survey, 192 p. [NTIS PB-287 171].

U.S. Geological Survey, 1976, Water resources data for Arizona, water year 1975: U.S. Geological Survey Water-Data Report AZ-75-1, 440 p.

U.S. Geological Survey, 1978, Land use and land cover and associated maps for Nogales, Arizona: U.S. Geological Survey Open-File Report 77-808, 5 sheets, scale 1:100,000.

U.S. Geological Survey, 1978, Water resources data for Arizona, water year 1977: U.S. Geological Survey Water-Data Report AZ-77-1, 550 p.

U.S. Geological Survey, 1978, Annual summary of ground-water conditions in Arizona, spring 1977 to spring 1978: U.S. Geological Survey Water-Resources Investigations Open-File Report 78-144, 1 sheet, scale 1:1,000,000.

U.S. Geological Survey, 1979, Water resources data for Arizona, water year 1978: U.S. Geological Survey Water-Data Report AZ-78-1, 604 p.

U.S. Geological Survey, 1980, Water resources data for Arizona, water year 1979: U.S. Geological Survey Water-Data Report AZ-79-1, 614 p.

U.S. Geological Survey, 1980, Annual summary of ground-water conditions in Arizona, spring 1978 to spring 1979: U.S. Geological Survey Water-Resources Investigations Open-File Report 80-330, 1 sheet, scale 1:1,000,000.

U.S. Geological Survey, 1981, Annual summary of ground-water conditions in Arizona, spring 1979 to spring 1980: U.S. Geological Survey Water-Resources Investigations Open-File Report 81-906, 2 sheets, scale 1:1,000,000.

U.S. Geological Survey, 1982, Annual summary of ground-water conditions in Arizona, spring 1980 to spring 1981: U.S. Geological Survey Water-Resources Investigations Open-File Report 82-368, 2 sheets, scale 1:1,000,000.

U.S. Geological Survey, 1982, Water resources data for Arizona, water year 1980: U.S. Geological Survey Water-Data Report AZ-80-1, 568 p.

U.S. Geological Survey, 1983, Water resources data, Arizona, water year 1981: U.S. Geological Survey Water-Data Report AZ-81-1, 532 p.

U.S. Geological Survey, 1983, Annual summary of ground-water conditions in Arizona, spring 1981 to spring 1982: U.S. Geological Survey Water-Resources Investigations Open-File Report 82-368, 2 sheets, scales 1:1,000,000 and 1:3,200,000.

U.S. Geological Survey, 1984, Annual summary of ground-water conditions in Arizona, spring 1982 to spring 1983: U.S. Geological Survey Water-Resources Investigations Open-File Report 84-428, 2 sheets, scales 1:1,000,000 and 1:3,300,000.

U.S. Geological Survey, 1985, Annual summary of ground-water conditions in Arizona, spring 1983 to spring 1984: U.S. Geological Survey Water-Resources Investigations Open-File Report 85-410, 2 sheets, scales 1:1,000,000 and 1:3,400,000.

U.S. Geological Survey, 1986, Annual summary of ground-water conditions in Arizona, spring 1984 to spring 1985: U.S. Geological Survey Water-Resources Investigations Open-File Report 86-422W, 2 sheets, scales 1:1,000,000 and 1:3,300,000.

U.S. Geological Survey, [1962?], Surface water records of Arizona - 1961: U.S. Geological Survey, 167 p.

U.S. Geological Survey, [1963?], Surface water records of Arizona - 1962: U.S. Geological Survey, 185 p.

U.S. Geological Survey, [1964?], Surface water records of Arizona - 1963: U.S. Geological Survey, 191 p.

U.S. Geological Survey, [1965?], Surface water records of Arizona - 1964: U.S. Geological Survey, 206 p.

U.S. Geological Survey, [1965?], Water quality records in Arizona - 1964: U.S. Geological Survey, 80 p.

U.S. Geological Survey, [1966?], 1965 water resources data for Arizona - Part 2. Water quality records: U.S. Geological Survey, 89 p.

U.S. Geological Survey, [1966?], 1965 water resources data for Arizona - Part 1. Surface water records: U.S. Geological Survey, 212 p.

U.S. Geological Survey, [1967?], 1966 water resources data for Arizona - Part 1. Surface water records: U.S. Geological Survey, 230 p.

U.S. Geological Survey, [1968?], 1967 water resources data for Arizona - Part 2. Water quality records: U.S. Geological Survey, 85 p.

Usunoff, E.J., 1984, Hydrochemistry of the San Pedro River Basin near Saint David, Cochise County, Arizona, with special emphasis on the behavior of fluoride: Tucson, University of Arizona, M.S. thesis, 191 p., 2 sheets.

Vionnet, L.B., 1992, Modeling of ground-water flow and surface water/ground-water interactions of the San Pedro River Basin, Cochise County, Arizona: Tucson, University of Arizona, M.S. thesis, 119 p.

Wallace, D.E., Renard, K.G. 1967. Contribution to regional water table from transmission losses of ephemeral streambeds. Trans. ASAE 10(6):786-789, 792.

White, N.D., and others, 1967, Annual report on ground water in Arizona, spring 1964 to spring 1965: Arizona State Land Department Water Resources Report no. 24, 62 p.

White, N.D., and Garrett, W.B., 1984, Water resources data, Arizona, water year 1982: U.S. Geological Survey Water-Data Report AZ-82-1, 440 p.

White, N.D., and Garrett, W.B., 1986, Water resources data, Arizona, Water year 1983: U.S. Geological Survey Water-Data Report AZ-83-1, 387 p.

White, N.D., and Garrett, W.B., 1987, Water resources data, Arizona, water year 1984: U.S. Geological Survey Water-Data Report AZ-84-1, 381 p.

White, N.D., and Garrett, W.B., 1988, Water resources data, Arizona, water year 1985: U.S. Geological Survey Water-Data Report AZ-85-1, 343 p.

White, N.D., Stulik, R.S., and others, 1962, Annual report on ground water in Arizona, spring 1961 to spring 1962: Arizona State Land Department Water Resources Report no. 11, 116 p.

White, N.D., Stulik, R.S., Morse, E.K., and others, 1961, Annual report on ground water in Arizona, spring 1960 to spring 1961: Arizona State Land Department Water Resources Report no. 10, 93 p.

White, N.D., Stulik, R.S., Morse, E.K., and others, 1963, Annual report on ground water in Arizona, spring 1962 to spring 1963: Arizona State Land Department Water Resources Report no. 15, 136 p.

White, N.D., Stulik, R.S., Morse, E.K., and others, 1964, Annual report on ground water in Arizona, spring 1963 to spring 1964: Arizona State Land Department Water Resources Report no. 19, 60 p.

Williams, M.D., 1985, Evapotranspiration in southeast Arizona semi-arid watersheds: Walnut Gulch and Cienega Creek: Tucson, University of Arizona, M.S. thesis, 183 p.

Wilson, L.G., DeCook, K.J., and Neuman, S.P., 1980, Regional recharge research for southwest alluvial basins - final report, U.S. Geological Survey contract 14-08-0001-18257: Tucson, University of Arizona, Water Resources Research Center, 389 p.

Wilson, R.P., 1990, Arizona water supply and use, in Carr, J.E., Chase, E.B., Paulson, R.W., and Moody, D.W., National water summary, 1987 - Hydrologic events and water supply and uses: U.S. Geological Survey Water-Supply Paper 2350, p. 157-164.

Wilson, R.P., and Garrett, W.B., 1988, Water resources data, Arizona, water year 1986: U.S. Geological Survey Water-Data Report AZ-86-1, 341 p.

Wilson, R.P., and Garrett, W.B., 1989, Water resources data, Arizona, water year 1987: U.S. Geological Survey Water-Data Report AZ-87-1, 385 p.

Witcher, J.C., 1979, Proven, potential, and inferred geothermal resources of Arizona and their heat contents: Arizona Bureau of Geology and Mineral Technology Open-File Report 79-05, 64 p., 1 sheet, scale 1:1,000,000 [also published in Pasadena, California Institute of Technology, Jet Propulsion Laboratory Publication 80-41, p. A-3 to A-74].

Witcher, J.C., Stone, Claudia, and Hahman, W.R., Sr., 1982, Geothermal resources of Arizona: Arizona Bureau of Geology and Mineral Technology [also listed as Arizona Geological Survey Map 15-2], 1 sheet, scale 1:500,000.

Worthington, M.A., 1987, Thermal anomalies and the ground-water flow systems south of The Narrows, Upper San Pedro Valley, Arizona: Tucson, University of Arizona, M.S. thesis, 80 p.

Wynn, Jeff, 2001, Mapping groundwater in three dimensions: An analysis of the airborne geophysical surveys of the upper San Pedro River basin, Cochise County, southeastern Arizona, with an interpretation of where the groundwater lies: U.S. Geological Survey Open-File Report 00-517, 70 p., 2 sheets, scales 1:100,000 and 1:200,000.

## 4. Surface Water Hydrology and Sediment References

Boughton, W.C., Renard, K.G., Stone, J.J. 1987. Flood frequency estimates in southeastern Arizona. J. Irrig. and Drain. Div. ASCE 113(ID4):469-478.

Browning-Aiken, A., Richter, H., Goodrich, D., Strain, B., Varady, R. 2004. The Upper San Pedro Basin: Fostering collaborative binational watershed management. J. Water Resour. Dev. 20(3):353-367.

Chehbouni, A., Goodrich, D.C., Moran, M.S., Watts, C., Kerr, Y.H., Dedieu, G., Kepner, W.G., Shuttleworth, W.J., Sorooshian, S. 2000. A preliminary synthesis of major scientific results during the SALSA program. J. Ag. and For. Meterorol. 105(1-3):311-323.

Chehbouni, A., Watts, C., Lagouarde, J.-P., Kerr, Y.H., Rodriguez, J.-C., Bonnefond, J.-M., Santiago, F., Dedieu, G., Goodrich, D.C., Unkrich, C. 2000. Estimation of heat and momentum fluxes over complex terrain using a large aperture scintillometer. J. Ag. and For. Meteorol. 105(1-3):215-226.

Emmerich, W.E., Cox, J.R. 1994. Changes in surface runoff and sediment production after repeated rangeland burns. Soil Sci. Soc. Am. J. 58(1):199-203.

Goodrich, D.C., Scott, R., Qi, J., Goff, B., Unkrich, C.L., Moran, M.S., Williams D., Schaeffer, S., Snyder, K., Mac Nish, R., Maddock III, T., Pool, D., Chehbouni, A., Cooper, D.I., Eichinger, W.E., Shuttleworth, W.J., Kerr, Y., Marsett, R., Ni, W. 2000. Seasonal estimates of riparian evapotranspiration using remote and in situ measurements. J. Ag. and For. Meteorol. 105(1-3):281-309.

Goodrich, D.C., Chehbouni, A., Goff, B., Mac Nish, R., Maddock, T., Moran, M.S., Shuttleworth, J., Williams, D.G., Watts, C., Hipps, L.H., Cooper, D.I., Schieldge, J., Kerr, Y.H., Arias, H., Kirkland, M., Carlos, R., Cayrol, P., Kepner, W., Jones, B., Avissar, R., Begue, A., Bonnefond, J.-M., Boulet, G., Branan, B., Brunel, J.P., Chen, L.C., Clarke, T., Davis, M.R., DeBruin, H., Dedieu, G., Elguero, E., Eichinger, W.E., Everitt, J., Garatuza-Payan, J., Gempko, V.L., Gupta, H., Harlow, C., Hartogensis, O., Helfert, M., Holifield, C., Hymer, D., Kahle, A., Keefer, T., Krishnamoorthy, S., Lhomme, J.-P., Lagouarde, J.-P., Lo Seen, D., Luquet, D., Marsett, R., Monteny, B., Ni, W., Nouvellon, Y., Pinker, R., Peters, C., Pool, D., Qi, J., Rambal, S., Rodriguez, J., Santiago, F., Sano, E., Schaeffer, S.M., Schulte, M., Scott, R., Shao, X., Snyder, K.A., Sorooshian, S., Unkrich, C.L., Whitaker, M., Yucel, I. 2000. Preface paper to the Semi-Arid Land-

Surface-Atmosphere (SALSA) program special issue. J. Ag. and For. Meteorol. 105(1-3):3-20.

Goodrich, D.C., Lane, L.J., Shillito, R.M., Miller, S.N., Syed, K.H., Woolhiser, D.A. 1997. Linearity of basin response as a function of scale in a semiarid watershed. Water Resour. Res. 33(12):2951-2965.

Goodrich, D.C., Faures, J-M., Woolhiser, D.A., Lane, L.J., Sorooshian, S. 1995. Measurement and analysis of small-scale convective storm rainfall variability. J. Hydrology 173:283-308.

Goodrich, D.C. 1990. Geometric simplification of a distributed rainfall-runoff model over a range of basin scales. PhD Dissertation, Univ. of Arizona, Tucson.

Hereford, R., 1993. Entrenchment and widening of the Upper San Pedro River, AZ Geological Society of America Special Paper, Vol 282, 46 p.

Hsieh, H., Stone, J.J., Guertin, D.P., Slack, D. 2002. Stochastic daily rainfall generation in southeast Arizona. Proc. 13th. Conf. on Applied Climatology, Am. Meterol. Soc., May 13-16, Portland, OR, pp. 139-141.

Lane, L.J., Hernandez, M., Nichols, M.H. 1997. Processes controlling sediment yield from watersheds as functions of spatial scale. Environ. Modeling and Software 12(4):355-369.

Lane, L.J., Nichols, M.H., Hernandez, M., Manetsch, C., Osterkamp, W.R. 1994. Variability in discharge, stream power, and particle-size distributions in ephemeral-stream channel systems. Proc. IAHS Internat' l. Sym. on Variability in Stream Erosion and Sediment Transport, Dec. 12-16, Canberra, Australia, IAHS Pub. No.224, pp. 335-342.

Lane, L.J., Nichols, M.H., Levick, L.R., Kidwell, M.R. 2001. A simulation model for erosion and sediment yield at the hillslope scale. Chpt. 8 In: Landscape Erosion and Evolution Modeling, R.S. Harmon, W.W. Doe, III (eds.), Kluwer Academic/Plenum Publishers, New York, pp. 201-237.

Lane, L.J., Nichols, M.H., Simanton, J.R. 1995. Spatial variability of cover affecting erosion and sediment yield in overland flow. Proc. Effects of Scale on Interpretation and Manage. of Sediment and Water Quality IAHS, July, Boulder, CO, IAHS Pub. No. 226, pp. 147-152.

Lane, L.J., Shirley, E.D., Singh, V.P. 1988. Modelling erosion on hillslopes. Chpt 10 In: Modelling Geomorphological Systems, M.G. Anderson (ed.), John Wiley and Sons Ltd., pp. 287-308.

Lane, L.J. 1985. Estimating transmission losses. Proc. ASCE Specialty Conf., Development and Manage. Aspects of Irrig. and Drain. Systems, Irrig. and Drain. Engr. Div., San Antonio, TX, pp. 106-113.

Lane, L.J. 1983. Transmission losses. Chpt. 19 In: SCS National Engr. Handbook, pp. 19-1 - 9-21. (Order from: U. S. Government Printing Office, Washington, DC 20402).

Lane, L.J. 1982. A distributed model for small semiarid watersheds. J. Hydrau. Div., ASCE 108(HY10):1114-1131.

Lane, L.J., Diskin, M.H., Wallace, D.E, Dixon, R.M. 1978. Partial area response on small semiarid watersheds. AWRA, Water Resour. Bull. 14(5):1143-1158.

Lane, L.J., Renard, K.G. 1972. Evaluation of a basin wide stochastic model for ephemeral runoff from semiarid watersheds. Trans. ASAE 15(1):280-283.

Lane, L.J., Diskin, M.H., Renard, K.G. 1971. Input-output relationships for an ephemeral stream channel system. J. Hydrology 13:22-40.

Moran, M.S., Clarke, T.R., Kustas, W.P., Weltz, M.A., Amer, S.A. 1994. Evaluation of hydrologic parameters in semiarid rangeland using remotely sensed spectral data. Water Resour. Res. 30(5):1287-1297.

Moran, M.S., Hymer, D.C., Qi, J., Sano, E.E. 2000. Soil moisture evaluation using multi-temporal synthetic aperture radar (SAR) in semiarid rangeland, J. Agric. and For. Meteorol. 105:69-80.

Moran, M.S., Rahman, A.F., Washburne, J.C., Goodrich, D.C., Weltz, M.A., Kustas, W.P. 1996. Combining the Penman-Monteith equation with measurements of surface temperature and reflectance to estimate evaporation rates of semiarid grassland. J. Ag. and For. Meteorol. 80:87-109.

Nearing, M.A., Nichols, M.H., Kimoto, A., Ritchie, J.C. 2005. Spatial patterns of soil erosion and deposition in two small, semiarid watersheds. J. Geophy. Res., 110, F04020, doi:10.1029/2005JF000290.

Nearing, M.A., Jetten, V., Baffaut, C., Cerdan, O., Couturier, A., Hernandez, M., Le Bissonnais, Y., Nichols, M.H., Nunes, J.P., Renschler, C.S., Souchere, V., van Oost, K. 2005. Modeling response of soil erosion and runoff to changes in precipitation and cover. Catena 61(2-3):131-134.

Nichols, M.H., Lane, L.J., Gibbons, R. 1995. Time series analysis of data for raingauge networks in the Southwest. Proc. Shrubland Ecosystem Dynamics in a Changing Environment, May 23-25, Las Cruces, NM, USDA-FS Intermountain Res. Station, pp. 43-47.

Nichols, M.H. 2006. Measured sediment yield rates from semiarid rangeland watersheds. Rangeland Ecol. and Manage. 59:55–62.

Nichols, M.H., Renard, K.G. 2003. Sediment yield from semiarid watersheds. Proc. 1st Interagency Conf. on Research in the Watersheds, K.G. Renard, S. McElroy, W. Gburek, E. Canfield, and R.L. Scott (eds.), Oct. 27-30, Benson, AZ, pp. 161-166.

Nichols, M.H., Renard, K.G., Osborn, H.B. 2002. Precipitation changes from 1956-1996 on the Walnut Gulch Experimental Watershed. J. Am. Water Resources Assoc. 38(1):161-172.

Mac Nish, R.D., Unkrich, C.L., Smythe, E., Goodrich, D.C., Maddock, T., III. 2000. Comparison of riparian evapotranspiration estimates based on water balance approach and sap flow measurements. J. Ag. and For. Meteorol. 105(1-3):271-279.

Mendez, A., Goodrich, D.C., Osborn, H.B. 2003. Rainfall point intensities in an air mass thunderstorm environment: Walnut Gulch, Arizona. J. Am. Water Resour. Assoc. 39(3):611-621.

Miller, S.N., Kepner, W.G., Mehaffey, M.H., Hernandez, M., Miller, R.C., Goodrich, D.C., Devonald, K.K., Heggem, D.T., Miller, W.P. 2002. Integrating landscape assessment and hydrologic modeling for land cover change analysis. J. Am. Water Resources Assoc. 38(4):915-929.

Moran, M.S., Rahman, A.F., Washburne, J.C., Goodrich, D.C., Weltz, M.A., Kustas, W.P. 1996. Combining the Penman-Monteith equation with measurements of surface temperature and reflectance to estimate evaporation rates of semiarid grassland. J. Ag. and For. Meteorol. 80:87-109.

Morin, E., Krajewski, W.F., Goodrich, D.C., Gao, X., Sorooshian, S. 2003. Estimating rainfall intensities from weather radar data: The scale-dependency problem. J. Hydrometeorology 4:782-797.

Osborn, H.B., Simanton, J.R. 1990. Hydrologic modeling of a treated rangeland watershed. J. Range Manage. 43(6):474-481.

Osborn, H.B., Simanton, J.R. 1989. Gullies and sediment yield. Rangelands 11(2):51-56.

Osborn, H.B., Renard, K.G. 1988. Rainfall intensities for southeastern Arizona. J. Irrig. and Drain. Div., ASCE 114(ID1):195-199.

Osborn, H.B., Simanton, J.R. 1986. Gully migration on a Southwest rangeland watershed. J. Range Manage. 39(6):558-561.

Osborn, H.B. 1983. Timing and duration of high rainfall rates in the southwestern United States. Water Resour. Res., AGU 19(4):1036-1042.

Osborn, H.B., Lane, L.J., Richardson, C.W., Molenau. M. 1982. Precipitation. Chpt. 3 In: Hydrologic Modeling of Small Watersheds, ASAE Monograph No. 5, pp. 81-118.

Osborn, H.B., Lane, L.J., Myers, V.A. 1980. Rainfall/watershed relationships for southwestern thunderstorms. Trans. ASAE 23(1):82-87, 91.

Osborn, H.B., Renard, K.G., Simanton, J.R. 1979. Dense networks to measure convective rainfall in the southwestern United States. Water Resour. Res. AGU 15(6):1701-1711.

Osborn, H.B. 1977. Point to area convective rainfall simulation. Proc. 13th Agric. and For. Meterolo. Conf., Weather-Climate Modeling for Real-Time Applications in Agriculture, Am. Meteorol. Soc., pp. 51-52.

Osborn, H.B., Renard, K.G. 1973. Management of ephemeral stream channels. J. Irrig. and Drain. Div., ASCE 99(IR3):207-214.

Osborn, H.B., Laursen, E.M. 1973. Thunderstorm runoff in southeastern Arizona. J. Hydrau. Div., ASCE 99(HY7):129-1145.

Osborn, H.B., Lane, L.J., Hundley, J.F. 1972. Optimum gaging of thunderstorm rainfall in southeastern Arizona. Water Resour. Res., AGU 8(1):259-265.

Osborn, H.B., Lane, L.J. 1972. Depth-area relationships for thunderstorm rainfall in southeastern Arizona. Trans. ASAE 15(4):670-673, 680.

Osborn, H.B., Lane, L.J., Kagan, R.S. 1971. Determining significance and precision of estimated parameters for runoff from semiarid watersheds. AWRA, Water Resour. Bull. 7(3):484-494.

Osborn, H.B., Renard, K.G. 1969. Analysis of two major runoff producing Southwest thunderstorms. J. Hydrology 8(3):282-302.

Osborn, H.B., Lane, L.J. 1969. Prediction-runoff relation for very small semiarid rangeland watersheds. Water Resour. Res. 5(2):419-425.

Osborn, H.B., Hickok, R.B. 1968. Variability of rainfall affecting runoff from a semiarid rangeland watershed. Water Resour. Res., AGU 4(1):199-203.

Osborn, H.B. 1968. Persistence of summer rainy and drought periods on a semiarid rangeland watershed. Bull. IASH 13(1):14-19.

Osborn, H.B. 1964. Effect of storm duration on runoff from rangeland watersheds in the semiarid southwestern United States. Bull. IASH 9(4):40-47.

Osborn, H.B., Reynolds, W.N. 1963. Convective storm patterns in the southwestern United States. Bull. IASH 8(3):71-83.

Parsons, A.J., Wainwright, J., Abrahams, A.D., Simanton, J.R. 1997. Distributed dynamic modelling of interrill overland flow. Hydrological Processes 11:1833-1859.

Parsons, A.J., Abrahams, A.D., Simanton, J.R. 1992. Microtopography and soil-surface materials on semi-arid piedmont hillslopes, southern Arizona. J. Arid Environ. 22:107- 115.

Pinker, R.T., Laszlo, I., Goodrich, D., Pandithurai, G. 2000. Satellite estimates of surface radiative fluxes for the extended San Pedro basin: Sensitivity to aerosols. J. Ag. and For. Meteorol. 105(1-3):43-54.

Renard, K.G. 1969. Sediment rating curves in ephemeral streams. Trans. ASAE 12(1):80-85.

Renard, K.G., Laursen, E.M. 1975. Dynamic behavior model of ephemeral stream. J. Hydrau. Div., ASCE 101(HY5):511-528.

Renard, K.G., Goodrich, D.C. 1995. Predicting sediment yield in storm-water runoff from urban areas. J. Water Resour. Planning and Manage., ASCE, pp. 510-511.

Renard, K.G., Lane, L.J., Simanton, J.R., Emmerich, W.E., Stone, J.J., Weltz, M.A., Goodrich, D.C., Yakowitz, D.S. 1993. Agricultural impacts in an arid environment: Walnut Gulch studies. Am. Institute of Hydrology, Hydrological Sci. and Tech. 9(1-4):145-190.

Renard, K.G., Lopez, F.A., Simanton, J.R. 1991. Brush control and sediment yield. Proc. 5th Fed. Interagency Sedimentation Conf., Federal Energy Reg. Comm., March 18-21, Las Vegas, NV, pp. 12-38 to 12-45.

Renard, K.G. 1972. Dynamic structure of ephemeral streams. PhD Dissertation, Dept. of Civil Engr. and Engr. Mechanics, Univ. of Arizona, Tucson, 183 p. (Order from: Univ. Microfilms, Ann Arbor, MI 48109).

Renard, K.G., Keppel, R.V. 1966. Hydrographs of ephemeral streams in the Southwest. J. Hydrau. Div., ASCE 92(HY2):33-52.

Renard, K.G., Osborn, H.B. 1966. Rainfall intensity comparisons from adjacent 6-hour and 24-hour recording rain gages. Water Resour. Res 2(1):145-146.

Renard, K.G., Keppel, R.V., Hickey, J.J., Wallace, D.E. 1964. Performance of local aquifers as influenced by stream transmission losses and riparian vegetation. Trans. ASAE 7(4):471-474.

Rhoton, F.E., Emmerich, W.E., Goodrich, D.C., McChesney, D.S., Miller, S. 2003. Soil contributions to sediment properties in Walnut Gulch Experimental Watershed: Influence of slope factors. Proc. 1st Interagency Conf. on Research in the Watersheds, K.G. Renard, S. McElroy, W. Gburek, E. Canfield, and R.L. Scott (eds.), Oct. 27-30, Benson, AZ, pp. 415-421.

Scott, R.L., Huxman, T.E., Williams, D., Goodrich, D.C. 2006. Ecohydrological impacts of woody plant encroachment: Seasonal patterns of water and carbon dioxide exchange within a semiarid riparian environment. Global Change Biology, 12:311–324.

Scott, R.L., Goodrich, D.C., Levick, L., McGuire, R., Cable, W.L., Williams, D., Gazal, R., Yepez, E.A., Elsworth, P., Huxman, T.E. 0. San Pedro Riparian National Conservation Area (SPRNCA) water needs - final study report. J. US Geological Survey Water Supply.

Scott, R.L., Edwards, E.A., Shuttleworth, W.J., Huxman, T.E., Watts, C., Goodrich, D.C. 2004. Interannual and seasonal variation in fluxes of water and carbon dioxide from a riparian woodland ecosystem. J. Ag. and For. Meterol. 122(1-2):65-84.

Scott, R.L., Watts, C., Gratuza-Payan, J., Edwards, E., Goodrich, D.C., Williams, D,, Shuttleworth, W.J. 2003. The understory and overstory partitioning of energy and water fluxes in an open canopy, semiarid woodland. J. Ag. and For. Meteorol. 114:127-139.

Scott, R.L., Edwards, E.A., Shuttleworth, W.J., Huxman, T.E., Watts, C., Goodrich, D.C. 2004. Interannual and seasonal variation in fluxes of water and carbon dioxide from a riparian woodland ecosystem. J. Ag. and For. Meterol. 122(1-2):65-84.

Scott, R.L., Watts, C., Gratuza-Payan, J., Edwards, E., Goodrich, D.C., Williams, D,, Shuttleworth, W.J. 2003. The understory and overstory partitioning of energy and water fluxes in an open canopy, semiarid woodland. J. Ag. and For. Meteorol. 114:127-139.

Scott, R.L., Shuttleworth, W.J., Keefer, T.O., Warrick, A.W. 2000. Modeling multiyear observations of soil moisture recharge in the semiarid American Southwest. Water Resour. Res. 36(8):2233-2247.

Scott, R.L., Shuttleworth, W.J., Goodrich, D.C., Maddock, T., III 2000. The water use of two dominant vegetation communities in a semiarid riparian ecosystem. J. Ag. and For. Meteorol. 105(1-3):241-256.

Scott, R.L. 1999. Riparian and rangeland soil-vegetation-atmosphere interactions in southeastern Arizona. PhD Dissertation, Dept. Hydro. And Water Resour., Univ. of Arizona, Tucson, 156 p.

Simanton, J.R., Renard, K.G., Christiansen, C.M., Lane, L.J. 1994. Spatial distribution of surface rock fragments along catenas in semiarid Arizona and Nevada, USA. Catena 23:29-42.

Simanton, J.R., Hawkins, R.H., Mohseni-Saravi, M., Renard, K.G. 1996. Runoff curve number variation with drainage area, Walnut Gulch, Arizona. Trans. ASAE 39(4):1391-1394.

Simanton, J.R., Toy, T.J. 1994. The relation between surface rock-fragment cover and semiarid hillslope profile morphology. Catena 23:213-225.

Simanton, J.R., Frasier, G.W. 1980. Stockwater development to enhance benefits of brush to grass conversion. Soc. for Range Manage., Rangelands 2(4):146-147.

Thomas, B.E. and Pool, D.R. 2006. Trends in streamflow of the San Pedro River, southeastern Arizona, and regional trends in precipitation and streamflow in southeastern Arizona and southwestern New Mexico. U.S. Geological Survey Professional Paper 1712.

Tromble, J.M., Renard, K.G., Thatcher, A.P. 1974. Infiltration on three rangeland soil-vegetation complexes. J. Range Manage. 27(4):318-321.

Webb, R.H., and S.A. Leake. 2006. Ground-water surface-water interactions and long-term change in riverine riparian vegetation in the southwestern United States. J. of Hydrology. 320: 302-323.

Yepez, E.A., Williams, D.G., Scott, R.L., Lin, G. 2003. Partioning overstory and understory evapotranspiration in a semiarid savanna woodland from the isotopic composition of water vapor. J. Ag. and For. Meteorol. 119:53-68.

## 5. General References

Arias Rojo, H., J. Bredehoeft, R. Lancewell, J. Price, J. Stromberg, and G.A. Thomas. 1998. Sustaining and enhancing riparian migratory bird habitat on the Upper San Pedro River. Public Review Draft from the San Pedro Expert Study Team. Prepared for the Commission for Environmental Cooperation. 141 p.

Arizona Department of Water Resources. 2005. Upper San Pedro Basin Active Management Area Review Report.

Hanson, R.B. 2001. The San Pedro River, A Discovery Guide. University of Arizona Press, Tucson, AZ.

Moran, M.S. and P. Heilman. 2000. Special Issue: Semi-Arid Land-Surface-Atmosphere (SALSA) Program. 105(1-3) 1-324.

Orr, P. and B. Colby. 2002. Nature-oriented visitors and their expenditures: Upper San Pedro River Basin. College of Agriculture and Life Sciences, University of Arizona, Tucson, Arizona. 14 p.

Steinitz, Carl , Hector Arias Rojo, Scott Bassett , Michael Flaxman , Thomas Goode, Thomas Maddock III, David Mouat, Richard Peiser, Allan Shearer. 2003. Alternative Futures for Changing Landscapes: The Upper San Pedro River Basin in Arizona and Sonora, Island Press, Washington D.C.

Tellman, B., R. Yarde, and M.G. Wallace. 1997. Arizona's changing rivers: how people have affected the rivers, University of Arizona, Water Resources Research Center Issue Paper No. 19. 198 p.

Upper San Pedro Partnership. 2004. Water management of the regional aquifer in the Sierra Vista Subwatershed, Arizona—2004 Report to Congress, U.S. Department of the Interior. Available at: http://www.usppartnership.com/documents/Section321.2004.pdf.

Upper San Pedro Partnership. 2005. 2005 Water management and conservation plan. Available at http://www.usppartnership.com/documents/Working%20Plan%202005%20(Final).pdf.

USDA-NRCS. 2004. Soil survey of Cochise County, Arizona: Douglas – Tombstone Part. 734 pages.