

**REGIONAL WATER QUALITY PLANNING PROJECT
AVAILABLE LITERATURE / BIBLIOGRAPHY**

**Part 2. Bibliography Specific to the Vicinity of the Barton Springs Segment of the
Edwards Aquifer**

DRAFT (July 15, 2004)

- 1 Andrews F. L., Schertz T.L., Slade R.M. Jr., Rawson J. 1984. Effects of storm-water runoff on water quality of the Edwards Aquifer near Austin, Texas. Austin: U.S. Geological Survey. Water Resources Investigations Report 84-4124.
- 2 Ardis, A.F., and Slagle, D.L., 1985, Delineation of the outcrop of the Edwards aquifer associated with Barton Springs in the Austin region, Texas: U.S. Geological Survey Open-File Report 85-643, 1 sheet.
- 3 Armstrong, N. E., Johnson, C. W., Gordon, V. N., Tupa, D., Wallace, I. E., and Culkin, G. 1985. Water Quality Studies in Lake Austin and Town Lake, Final Report, prepared for the City of Austin Environmental Resources Management Department of Planning and Growth Management, Center for Research in Water Resources, Bureau of Engineering Research, The University of Texas at Austin, Austin, Texas, February 15, 1985.
- 4 Arnow, Ted. 1957. Records of Wells in Travis County, Texas, Texas Board of Water Engineers.
- 5 Austin-Travis County Health Department, 1972. Regulations for Individual Septic Tank System, Austin, Texas.
- 6 Baker, E. T., Jr. and Watson, J. A. 1970. Quantity of Low Flow in Barton Creek, Texas, July 6-8, 1970 and October 1-3, 1970, u.s. Geological Survey.
- 7 Baker, E.T., Jr., Slade, R.M., Jr., Dorsey, M.E., Ruiz, L.M., and Duffin, G.L.1986. Geohydrology of the Edwards aquifer in the Austin area, Texas: Texas Water Development Board Report 293, 217 p.
- 8 Barrett, M.E. 1999. Complying with the Edwards Aquifer Rules: Technical Guidance on Best Management Practices. Prepared for the Texas Natural Resource Conservation Commission (now Texas Commission on Environmental Quality) by the Center for Research in Water Resources, Bureau of Engineering Research, Univ. Texas at Austin. TNRCC Report No. RG-348.
- 9 Barrett M.E., Charbeneau R.J. 1996. A parsimonious model for simulation of flow and transport in a karst aquifer. Austin: University of Texas at Austin, Center for Research in Water Resources. Technical Report 269 (Online Report 96-3).
- 10 Barrett, M. E., Malina, J. F., Charbeneaux, R. J., Ward, G. H. 1995. Effects of Highway Construction and Operation on Water Quality and Quantity in an Ephemeral Stream in the Austin, Texas Area, Center for Research in Water Resources Report 263, College of Engineering, The University of Texas at Austin, Austin, Texas, September, 1995.
- 11 Barton Springs/Edwards Aquifer Conservation District, Lower Colorado River Authority and City of Austin. Map: The Barton Springs-Edwards Aquifer Recharge Zone and Contributing Drainage Area, date unknown.
- 12 Barton Springs/Edwards Aquifer Conservation District. 1997. Alternative regional water supply plan: Chapter III, Barton Springs Edwards Aquifer yield analysis (low flow conditions). Austin: BS/EACD. pp. III-1-III-22.
- 13 Barton Springs/Edwards Aquifer Conservation District. 2001. Water Quality and Flow Loss Study of the Barton Springs Segment of the Edwards Aquifer, Southern Travis and Northern Hays Counties, Texas: prepared by the Barton Springs/Edwards Aquifer Conservation District and the City of Austin Watershed Protection Department. Report submitted to the TNRCC and EPA dated August 2001.
- 14 Barton Springs/Edwards Aquifer Conservation District. 2001. Groundwater tracing study of the Barton Springs Segment of the Edwards Aquifer, Southern Travis and Northern Hays Counties, Texas. Austin: TNNRC. 105 p.

REGIONAL WATER QUALITY PLANNING PROJECT AVAILABLE LITERATURE / BIBLIOGRAPHY

- 15 Bio-West, Inc. 2002. Northern Hays and Southwestern Travis Counties Water Supply System Project Environmental Impact Study. Prepared for the Lower Colorado River Authority, June 2002.
- 16 Bondy K. September 21, 2000. Letter to Mr. Stovy Bowlin, General Manager of the Barton Springs Edwards/Edwards Aquifer Conservation District regarding report titled: Initial Assessment of Water Levels in Sunset Canyon Area East of Dripping Springs, Hays County, Texas. Located at: Lower Colorado River Authority Offices, Austin, Texas.
- 17 Brune G., Duffin G.L. 1983. Occurrence, availability, and quality of ground water in Travis County, Texas. Austin: Texas Water Development Board. Report 276.
- 18 Buszka, P. M. and Slade, R. M. Jr. 1991. Determination of the Sources of Organic Compounds in Ground-Water Discharges of Barton Springs, Austin, Texas, 10 April 1991.
- 19 Butler, Kent. 1991. Land Use and Design Factors As They Relate To Urban Nonpoint Source Pollution: A Report on The State of the Knowledge. Supported by a contract with the City of Austin, Environmental and Conservation Services Department. Austin, Texas: Graduate Program in Community and Regional Planning, School of Architecture, The University of Texas at Austin.
- 20 Camp Dresser & McKee. 1996. City of Austin, Modeling Techniques for Streambank Erosion Management, January, 1996.
- 21 Camp Dresser & McKee. 1994. Lake Austin Watershed Ordinance, Engineer's Report, prepared for Trammell Crow Co., 1994.
- 22 Camp Dresser and McKee. 1984. Engineer's Report: Lake Austin Watershed Ordinance. Prepared for Trammell Crow Company. March, 1984. Austin, Texas: CDM, Inc.
- 23 Camp Dresser and McKee. 1998. Database Contract Summary Report. Prepared for the City of Austin Watershed Protection Dept.
- 24 Cederberg, J.R., Ging, P.B., and Ourso, R.T. 1998. Monitoring of selected water-quality constituents near the freshwater/saline-water interface of the Edwards aquifer, July 1996–December 1997: U.S. Geological Survey Fact Sheet FS–103–98, 4 p.
- 25 Chamberlain D. 2001. Scientist with the COA. Personal communication with Michael Golden, BIO-WEST, Inc., Logan, Utah, regarding the recently discovered Texas blind salamander. 08/16/2001.
- 26 Chamberlain D., O'Donnell L. 2002. City of Austin's captive breeding program, Barton Springs and Austin blind salamanders annual permit (PRT - 839031) report: January 1 – December 31, 2001. Austin: COA, Watershed Protection and Development Review Department. 31 p.
- 27 Chang, G., Loomis, T. and Soeur, C. 1993. Application of SWMM in The Barton Creek Watershed. Austin Texas. Proceedings of 1993 Runoff Quantity and Quality Modeling Conference. November 8-9, 1993. Reno, Nevada.
- 28 Chippindale P. T., Price A.H., Hillis D .M. 1993. A new species of perennibranchiate salamander (Eurycea: Plethodontidae) from Austin, Texas. *Herpetologica* 49:248-259.
- 29 Christine Michele Dartiguenave, Ingenieur ECLille. 1997. Water Quality Master Planning for Austin. Thesis. Center for Research in Water Resources, University of Texas at Austin.
- 30 City of Austin. 1976. Results of Analyses of Water in Barton Creek, Interoffice Report.
- 31 City of Austin. 1980. Streamside Vegetative Buffers.
- 32 City of Austin. 1986a. Dept. of Planning. Resource Management. February 7, 1986. (A literature review).
- 33 City of Austin. 1986b. Comprehensive Watershed Ordinance, 1986.
- 34 City of Austin. 1988a. Design Guidelines for Water Quality Control Basins. Environmental DCM. City of Austin Transportation and Public Services Department, 1988.
- 35 City of Austin. 1988b. Design Guidelines for Water Quality Control Basins. Environmental DCM. City of Austin Transportation and Public Services Department.
- 36 City of Austin. 1990a. Removal Efficiencies of Stormwater Control Structures. Prepared by Environmental Resources Management Division, ECSD, May 1990.
- 37 City of Austin. 1990b. Storm Runoff and Baseflow Water Quality Modeling Studies for Austin Creeks. Environmental and Conservation Services Department, Environmental Resource Management Division.

REGIONAL WATER QUALITY PLANNING PROJECT AVAILABLE LITERATURE / BIBLIOGRAPHY

- 38 City of Austin. 1990c. Removal efficiencies of stormwater control structures. Environmental Resource Management Division, Environmental and Conservation Services Dept.
- 39 City of Austin. 1990d. Stormwater Pollutant Loading Characteristics for Various Land Uses in the Austin Area. Austin, Texas: City of Austin.
- 40 City of Austin. 1990e. The First Flush of Runoff and Its Effects on Control Structure Design. Austin, Texas: City of Austin, June 1990.
- 41 City of Austin 1991a. Urban Watershed Ordinance, 1991.
- 42 City of Austin. 1991b. Environmental Criteria Manual, February 1991
- 43 City of Austin. 25 March, 1991. "Draft Summary of Results - Analysis of Highway Runoff Data." Austin, Texas: City of Austin, Environmental and Conservation Services Department.
- 44 City of Austin. 1992a. Town Lake Diagnostic Study, Austin, Texas.
- 45 City of Austin. 1992b. Diagnostic Study of Water Quality Conditions in Town Lake, Austin, Texas. Prepared by Environmental Resources Management Division, ECSD, 1992.
- 46 City of Austin. 1992. Environmental and Conservation Services Department, Environmental Resources Management Division, Draft of Comprehensive Study of Water Quality Control Alternatives for Town Lake, Austin, Texas, Town Lake Alternatives Study, Report II of III, September, 1992.
- 47 City of Austin. 1993. Drainage Utility Business Plan, 1992. Updated August 1993.
- 48 City of Austin. 1994a. Urban Stormwater Discharge Characterization NPDES Wet Weather Monitoring Site: October 1992-September 1993, Excerpts from the City of Austin NPDES Stormwater Part II Application, February, 1994.
- 49 City of Austin. 1994b. Environmental & Conservation Services Dept., Barton Creek Watershed Study, November, 1994.
- 50 City of Austin. 1995a. Barton Creek Watershed Study. Draft Report Prepared by Environmental Resources Management Division, Drainage Utility Department (formerly ECSD), September, 1995.
- 51 City of Austin. 1995b. Barton Springs Zone Retrofit Master Plan Study. Vol. III. Water Quality Retrofit Evaluation. Prepared by Santos and Associates, October, 1995.
- 52 City of Austin. 1995c. Barton Creek Watershed Study, Chapter Four: Storm Water Management Model (SWMM). Draft Report, Prepared by Environmental Resources Management Division, Environmental and Conservation Services Department (ECSD), 1995.
- 53 City of Austin. 1995d. Characterization of Stormwater Pollution for the Austin, Texas Area. Draft Report, Prepared by Environmental Resources Management Division, Drainage Utility Department (Formerly ECSD).
- 54 City of Austin. 1996. City of Austin Code of Ordinances, Volume II, Chapter 13-7: Article I. Water Quality, Division 5. Save our Springs Initiative. Adopted August 8, 1992.
- 55 City of Austin. 1996. Stormwater Monitoring Program, Descriptions, Schedules, and Site Locations. Environmental Resources Management Division, Drainage Utility Department (Formerly ECSD), January 1996.
- 56 City of Austin. 1997a. Evaluation of Non point Source Controls. EPA/TNRCC Section 319 Grant Report. Volumes 1-2, Env. Resource Management Division . COA-ERM/WQM and WRE 1997-04.
- 57 City of Austin. 1997b. Environmental Integrity Index Water Quality Technical Assessment Methodology. City of Austin Watershed Protection Department, Environmental Resource Management Division.
- 58 City of Austin. 1997c. The Barton Creek Report. Austin: COA. Water Quality Report Series COA/ERM/1977.
- 59 City of Austin. 1997d. Drainage Utility Department, Environmental Resources Management Division,
- 60 City of Austin. 1998a. Water Quality Problem Area Scoring System For the Drainage Utility Master Plan: Phase I Watersheds. City of Austin Watershed Protection Department, Environmental Resource Management Division.
- 61 City of Austin. 1998b. Growth Watch. Annual Edition 1997. Austin: COA, Department of Planning, Environmental and Conservation Services.

REGIONAL WATER QUALITY PLANNING PROJECT AVAILABLE LITERATURE / BIBLIOGRAPHY

- 62 City of Austin. 1998c. Final Environmental Assessment/Habitat Conservation Plan for issuance of a Section 10(a)(1)(b) Permit to Allow Incidental Take of the Barton Springs Salamander (*Eurycea sosorum*) for the Operation and Maintenance of Barton Springs Pool and Adjacent Springs. Austin: COA and U.S. Fish and Wildlife Service.
- 63 City of Austin. 1998d. Biological Assessment for an Environmental Protection Agency, National Pollutant Discharge Elimination System, Municipal Separate Storm Sewer System Permit NPDES Permit Number TX000401. Austin: COA, Watershed Protection Department.
- 64 City of Austin. 1999a. Water Supply Suburban Watershed Report: Watershed Protection and Traffic Analysis. City of Austin Watershed Protection Department, Environmental Resource Management Division.
- 65 City of Austin. 1999b. Jolleyville Plateau Water Quality and Salamander Assessment. Austin: Watershed Protection Department, Environmental Resource Management Division.
- 66 City of Austin. 2000a. Smart growth in Austin. Austin: COA, Planning, Environmental and Conservation Services Department.
- 67 City of Austin. 2000b. Update of Barton Springs Water Quality Analysis. Water Quality Report Series COA-ERM 2000-2. Austin: COA, Watershed Protection Department, Environmental Resources Management. 27p.
- 68 City of Austin. 2000c. Unpublished Data base with Sediment, Surface Water, and Groundwater Information for the Study Area. Available at COA, Environmental Resource Management Division, Watershed Protection Department, P.O. Box 1088, Austin, Texas 78767-1088.
- 69 City of Austin. 2001a. Unpublished notes on the state of knowledge of land use, Water Quality , and Aquatic Biology of the Barton Springs Segment of the Edwards Aquifer. Available at: COA Offices. 57pp.
- 70 City of Austin. 2001b. Watershed Protection Department, Watershed Protection Master Plan, Phase I Watersheds Report, Vol. I, June 2001.
- 71 City of Dripping Springs. 1995a. Subdivision Ordinance Number 30E.
- 72 City of Dripping Springs. 1995b. Master Plan.
- 73 City of Dripping Springs. 1997. Master Park Plan.
- 74 Cofer G. Executive Director, Hill Country Conservancy. 2001. Personal communication with Chris Sands of BIO-WEST, Inc., concerning conservation efforts by Hill Country Conservancy in the study area. May 2001.
- 75 Damon H.G. 1924. Vertical displacement of the main fault of the Balcones Fault Zone at a point west of the City of Austin [Unpublished M.A. thesis]. Austin: University of Texas. 33 p.
- 76 DeCook K.J. 1963. Geology and ground-water resources of Hays County, Texas. Austin: Texas Board of Water Engineers. Bulletin 5501.
- 77 DeCook, Kenneth J., 1960. Geology and Grotmd-Water Resources of Hays County, Texas, Texas Board of Water Engineers, Bulletin 6004.
- 78 DeCook, Kenneth J., and Doyel, W.W., 1955. Records of Wells in Hays County, Texas, Texas Board of Water Engineers, Bulletin 5501.
- 79 Delisi V. 1999. Inspector/Sanitarian II, Environmental Health Services Division, Austin-Travis County Health Department. Personal communication with Ali Peet, PBS&J, concerning water supply and usage in Travis and Hays Counties. 05/28/99.
- 80 Dwyer J. 2001. Development of water quality standards for Edwards Aquifer salamanders. U.S. Geological Survey. Preliminary report.
- 81 Engineering-Science. 1986. Final Report. Utility Plan, City of Austin.
- 82 Environmental and Conservation Services Dept. 1993 Barton Creek Algae Bloom Assessment Report. City of Austin, 1993.
- 83 Espey Huston & Associates. 1992. Analysis of USGS Sampling Data for Barton Springs, Barton Creek and the Barton Springs portion of the Edwards Aquifer, April, 1992.

REGIONAL WATER QUALITY PLANNING PROJECT AVAILABLE LITERATURE / BIBLIOGRAPHY

- 84 Espey, Huston & Associates, Inc., R.W. Harden & Associates. 1979. A study of some effects of urbanization on the Barton Creek Watershed. Document number 7995. Austin: EH&A. 117 p. plus appendices.
- 85 Espey, Huston and Associates, Inc. 1976. The Effect of Projected Urban Land Development on the Quantity and Quality of Stormwater Runoff into Lake Austin. Prepared for Wallace, McHarg, Roberts and Todd, Philadelphia, Penn., and the City of Austin Planning Department, Austin, Texas.
- 86 Espey, Huston and Associates, Inc. 1985. Data report: Septic tank loadings to Lake Travis and Lake Austin. Austin: ESH&A for Lower Colorado River Authority and Texas Department of Water Resources. Document number 85782. 67 p.
- 87 Espey, Huston and Associates, Inc. 1979b. Phase II Barton Creek Watershed Study.
- 88 Flores, Robert. 1990. Test Well Drilling Investigation to Delineate the Downdip Limits of Usable-Quality Groundwater in the Edwards Aquifer in the Austin Region, Texas: Texas Water Development Board Report 325. 70p.
- 89 Guyton W.F. and Associates. 1964. Report on Barton Springs and associated ground-water conditions with particular reference to possible effects of a proposed sewer line in Barton Creek area, Austin, Texas.
- 90 Guyton, William F., and Associates, 1955. The Edwards Limestone Reservoir, William F. Guyton & Associates, Austin, Texas.
- 91 Hansen, R. 2001. Biologist, City of Austin. Personal communication with Paul Holden, BIO-WEST, Inc., concerning Barton Springs salamander. 2001.
- 92 Hanson, J.A., and Small, T.A. 1995. Geologic framework and hydrogeologic characteristics of the Edwards aquifer outcrop, Hays County, Texas: U.S. Geological Survey Water-Resources Investigations Report 95-4265, 10 p., 1 pl.
- 93 Harden, R. W. 1968. File memorandum on review of water quality changes in Edwards Reservoir--especially near the bad water line, William F. Guyton & Associates, Austin, Texas.
- 94 Hauwert N.M, Vickers S. 1994. Barton Springs/Edward aquifer hydrogeology and groundwater quality. Austin: Barton Springs/Edward Aquifer Conservation District. TWDB Grant Contract No. 93-483-346.
- 95 Hauwert N.M. 2001. Hydrogeologist for City of Austin Watershed Protection Department. Personal communication with Wes Thompson of BIO-WEST, Inc, Logan, Utah, regarding recharge to the Edwards Aquifer going to Cold Springs. 5/7/2001.
- 96 Hauwert N.M., Johns D.A., Aley T.J. 1998. Preliminary report on groundwater tracing studies within the Barton Creek and Williamson Creek Watersheds, Barton Springs/Edwards Aquifer. Austin: Barton Springs/Edwards Aquifer Conservation District and the COA Watershed Protection Department in cooperation with the Texas Natural Resource Conservation Commission and U.S. Environmental Protection Agency.
- 97 Hauwert N.M., Samsom J.W., Johns, D.A., Aley, T. J. 2001. Groundwater tracing study of Barton Springs Segment of the Edwards Aquifer, Southern Travis and Northern Hays Counties, Texas. Austin: Barton Springs/Edwards Aquifer Conservation District and the COA Watershed Protection Department. 105 p. Forthcoming.
- 98 Hauwert, N. M. and Vickers, S. 1994. Barton Springs/Edwards Aquifer Hydrology and Groundwater Quality. Prepared for the Texas Water Development Board by the Barton Springs/Edwards Aquifer Conservation District, September, 1994.
- 99 Hays County. 1997. Department of Environmental. Health. Subdivision Rules, Table 10.1, Effective August 1997. Kyle (TX): Hays County.
- 100 Hillis D. M. 2000. Professor and Department Head, Department of Zoology, University of Texas, Austin. Personal communication with Paul Holden, BIO-WEST, Inc. concerning Barton Springs salamander.
- 101 Hillis D.M., D.A. Chamberlain, T.P. Wilcox, and P.T. Chippendale. 2001. A new species of subterranean blind salamander (plethodontidae:Hemidactyliini: Eurycea: Typhlomolge) from Austin, Texas, and a systematic revision of central Texas paedomorphic salamanders. *Herpetologica* 57(3), 2001, 266-280.

REGIONAL WATER QUALITY PLANNING PROJECT AVAILABLE LITERATURE / BIBLIOGRAPHY

- 102 Johns D. A. and Pope, S. R. 1998. Urban Impacts on the chemistry of shallow groundwater: Barton Creek Watershed, Austin, Texas. Gulf Coast Association of Geological Societies Transactions, 48. p.
- 103 Johns, David, and Mike Lyday. 1991. Memo to John Parrish (internal to City of Austin) on Turbidity in Barton Creek, Barton Springs, and Town Lake, 1 May 1991.
- 104 LCRA Vegetative and Watershed Hydrology Project: Gloster Bend Resource Area, 1990.
- 105 Lehner, P. H., Clarke, G. P. A., Cameron, D. M., and Frank, A. G. 1999. Stormwater Strategies – Community Responses to Runoff Pollution, National Resources Defense Council, May 1999.
- 106 Livingston E., Shaver E. 1997. Institutional Aspects of Urban Runoff Management: A Guide for Program Development and Implementation. Watershed Management Institute, Inc. May 1997.
- 107 Livingston, Penn P. 1958. Recharge to the Edwards Reservoir between Kyle and Austin, William F. Guyton & Associates, Austin, Texas.
- 108 Loomis and Associates. Waller Creek Flood Management and Water Quality Improvement Study. Prepared for the City of Austin, January 1996.
- 109 Loomis and Moore 1997. Flood Control Needs Assessment Models Study. Prepared for the City of Austin Watershed Protection Program.
- 110 Loomis and Moore. 1999a. Integrated Solutions Development Study Watersheds Master Plan, Phase IV, Task 2.2 Submittal-Draft. Prepared for the City of Austin Watershed Protection Department.
- 111 Loomis and Moore. 1999b. Level II Flood Investigations Report. Prepared for the City of Austin Watershed Protection Department.
- 112 Loomis Austin. 2000. Integrated Solutions Development Study Watershed Master Plan.
- 113 Lower Colorado River Authority. 2000. Northern Hays County drought emergency study. Austin: WaterCo, LCRA. 16 p.
- 114 Lower Colorado River Authority. April 1990. Unpublished Data. Austin, Texas: Lower Colorado River Authority, Environmental Quality Division.
- 115 Lyday, Mike. 1994. City of Austin Environmental Quality Specialist. Memo to Nancy McClintock, Division Manager, Environmental Resource Management Division, City of Austin, 25 April 1994.
- 116 Macpherson, Wendy. 1977. Hydrogeologic Investigation in the Vicinity of Travis County Subdivision, Travis County, Texas Water Quality Board, Report No. GS-27-F.
- 117 Maderak, M.L., Gordon, J.D., and Mitchell, R.N. 1978. Hydrologic Data for Urban Studies in the Austin, Texas Metropolitan Area, 1976, U.S. Geological Survey, 78-457.
- 118 Mahler B.J., Van Metre P.C. (U.S. Geological Survey). 2000. Occurrence of soluble pesticides in contaminant transport. Environmental Geology 39. pp 25- 38.
- 119 Mahler B.J., Van Metre P.C. (U.S. Geological Survey). 2000. Occurrence of soluble pesticides in Barton Springs, Austin, Texas, in response to a rain event. Location: <http://tx.usgs.gov/reports/dist/dist-2000-01>. 12 p.
- 120 Mahler, B.J., P. C. Van Metre, and J.T. Wilson. 2003. Concentrations of Polycyclic Aromatic Hydrocarbons (PAHs) and Major and Trace Elements in Simulated Rainfall Runoff From Parking Lots, Austin, Texas, Open-File Report 2004-1208—ONLINE ONLY; In cooperation with the City of Austin.
- 121 Mahler, Barbara and Phillip Bennett. 1991 The Interaction of Flow Mechanics and Aqueous Chemistry in a Texas Hill Country Grotto, in Proceedings of the Third Conference on Hydrology, Ecology, Monitoring and Management of Ground Water in Karst Terrains, December 4-6, 1991, Nashville, Tennessee. Presented by
- 122 Marsh, William M. and C.M. Woodruff. 1993. "Junipers, Grassland, and Historical Land Use Change in Hill Country Uplands, Central Texas." In C.M. Woodruff, Jr., William M. Marsh, and L.P. Wilding. Soils, Landforms, Hydrologic Processes, and Land-Use Issues--Glen Rose Limestone Terrains, Barton Creek Watershed Travis County, Texas. Society of Independent Professional Earth Scientists. December 1993.
- 123 Moorhouse Associates. 2001. Public participation report for LCRA Northern Hays and Western Travis County Water Supply Environmental Impact Study. Prepared for Lower Colorado River Authority, Austin, Texas. Prepared by Moorhouse Associates, Inc. Corpus Christi, Texas.

REGIONAL WATER QUALITY PLANNING PROJECT AVAILABLE LITERATURE / BIBLIOGRAPHY

- 124 Muller D.A. 1990. Ground-water evaluation in and adjacent to Dripping Springs, Texas. Austin: Texas Water Development Board. Report 322.
- 125 Murfee Engineering Company. 2000. Analysis of a Low-Density Single Family Subdivision and a Commercial Tract Towards Meeting the U.S. Fish and Wildlife Service Septembe 1, 2000 Recommendations for Protection of Water Quality of the Edwards Aquifer. September 2000.
- 126 Osborne K.G. 2000. A water quality GIS tool for the City of Austin incorporating non point sources and best management practices (Master's thesis]. Austin (TX): University of Texas. 180 p.
- 127 Parkhill, Smith and Cooper, Inc. 1985. The Barton Creek Watershed, Inc. April 1985. Wastewater alternatives for Barton Creek Watershed.
- 128 PBS&J. 1999. Northern Hays and Southwestern Travis County Supply Study Phase One of the Stage I Loop Preliminary Engineering Report. Document # 981356. Austin: PBS&J.
- 129 Pipkin T., Frech M. 1993. Barton Springs Eternal. Austin: Softshoe Publishing.
- 130 Price A. 2000. Biologist, Texas Parks and Wildlife Department. Personal communication with Paul Holden of BIO-WEST, Inc. regarding Barton Springs salamander.
- 131 Raymond Chan and Associates Inc. 1997 a. Final Report, Technical Procedures for the Watershed Erosion Assessments. Prepared for the City of Austin Watershed Protection Department.
- 132 Raymond Chan and Associates, 1997b. Regulatory Approaches for Managing Stream Erosion. Prepared for the City of Austin Watershed Protection Department.
- 133 Raymond Chan and Associates, Inc. May 1997-Oct 1997. Watershed Erosion Assessments for Phase I Watersheds. Prepared for the City of Austin Watershed Protection Department.
- 134 Raymond Chan and Associates. 1999. Lower Walnut Creek Erosion Management
- 135 Reddell, J.R. 2001. Curator of Cave Invertebrates, Texas Memorial Museum, University of Texas at Austin, Personal communication with Paul Holden of BIO-WEST, Inc. concerning collection of Barton Springs salamanders in the 1960s and 1970s.
- 136 Ross (First name unknown) 1994. Unpublished statistical analysis of Barton Creek data.
- 137 Russell W.H. 1987. Edwards stratigraphy and oil spills in the Austin, Texas area. The Texas Caver, April 1987.
- 138 Santos & Associates / Loomis & Associates. 1995. Barton Springs Contributing Zone, Retrofit Master Plan Study, Volume II, Assessment of Water Quality. Austin: COA Environmental and Conservation Services Department.
- 139 Santos & Associates/Loomis & Associates. 1994. Barton Springs Contributing Zone Retrofit Master Plan Study, Interim Report, prepared for the City of Austin Environmental and Conservation Services, Dept., May 13, 1994.
- 140 Santos & Associates/Loomis & Associates. 1994. Draft Final Report Barton Springs Contributing Zone Retrofit Master Plan Study. Vol. II, Assessment of Water Quality, prepared for the City of Austin Environmental and Conservation Services Dept. December, 1994.
- 141 Santos & Associates/Loomis & Associates. 1995. Draft Final Report Barton Springs Contributing Zone Retrofit Master Plan Study. Vol. III, Water Quality Retrofit Evaluation, prepared for the City of Austin Environmental and Conservation Services Dept. March, 1995.
- 142 Santos & Associates/Loomis and Associates. 1995. Barton Springs Retrofit Master Plan Study Final Report. Prepared for the City of Austin, Environmental and Conservation Services Department.
- 143 Savoy P. 2001. Engineer, Murphy Engineering. Personal communication with Michael Golden of BIO-WES concerning conditions at Barton Springs in the 1970s. August 2001.
- 144 Scanlon B.R., Mace R.E., Dutton A.R., Reedy R. 2000. Predictions of groundwater levels and spring flow in response to future pumpage and potential future droughts in the Barton Springs Segment of the Edwards Aquifer. Austin: Bureau of Economic Geology. Contract Report UTA99-01.096. 42 p.
- 145 Senger R.K., Kreitler C.W. 1984. Hydrogeology of the Edwards aquifer, Austin area, Central Texas. Austin: University of Texas at Austin Bureau of Economic Geology Report of Investigations 141. 35 p.

REGIONAL WATER QUALITY PLANNING PROJECT AVAILABLE LITERATURE / BIBLIOGRAPHY

- 146 Senger, R. K. Hydrogeology of Barton Springs, Austin, Texas. Master's Thesis, University of Texas, Austin, Texas, 1983.
- 147 Slade R.M. Jr., Dorsey M.E., Stewart S.L. 1986. Hydrology and water quality of the Edwards Aquifer associated with Barton Springs in the Austin, Texas, area. Austin: U. S. Geological Survey. Water-Resources Investigations Report 86-4036.
- 148 Slade R.M. Jr., Ruiz L.M., Slagle D.L. 1985. Simulation of the flow system of Barton Springs and associated Edwards Aquifer in the Austin area. Austin: U.S. Geological Survey. Water- Resources Investigations Report 85-4299.
- 149 Slagle, D.L., Ardis, A.F., and Slade, R.M., Jr. 1986. Recharge zone of the Edwards aquifer hydrologically associated with Barton Springs in the Austin area, Texas: U.S. Geological Survey Water-Resources Investigations Report 86-4062, 1 sheet.
- 150 Small T.A., Hanson I.A., Hauwert N.M. 1996. Geologic framework and hydrogeologic characteristics of the Edwards aquifer outcrop (Barton Springs segment), northeastern Hays and southwestern Travis counties, Texas. Austin: U.S. Geological Survey. Water-Resources Investigations Report 96-4306.
- 151 Smith, H. B. 1991. Erosion and Sedimentation Control Methodologies for Construction Activities over the Edwards Aquifer in Central Texas, in Proceedings of the Third Conference on Hydrogeology, Ecology, Monitoring and Management of Ground Water in Karst Terrains, December 4-6, 1991, Nashville, Tennessee Presented by U.S. EPA and the Association of Ground Water Scientists and Engineers.
- 152 St. Clair, Ann. 1979. Quality of Water in the Edwards Aquifer, Central Travis County, Texas. Master's Thesis. University of Texas at Austin, May, 1979.
- 153 Stapp-Hamilton and Associates, Inc., 1974. Subsurface Investigation, Property at Loop 360 and Proposed Mo-Pac Boulevard, Austin, Texas. Stapp-Hamilton and Associates, Inc. Austin, Texas.
- 154 Taylor, T. U. and E. P. Schoch. 1922. Supplementary Report, Austin City Water Survey, Details of Subterranean Reservoirs, Chemical Compositions of Water, Etc. 28 Aug. 1922.
- 155 Texas Biological and Conservation Data System (formerly the Texas Natural Heritage Program [TXNHP]), Texas Parks and Wildlife Department (TPWD). 1999. Special species and natural community data file and TPWD endangered/threatened species data files for the USGS Bee Cave, Texas; Dripping Springs, Texas; and Signal Hill, Texas 7.5 minute quadrangle maps.
- 156 Texas Department of Water Resources, undated. Design Criteria for Sewage Systems, Austin, Texas.
- 157 Texas Department of Water Resources. 1976. Texas Water Quality Standards.
- 158 Texas Natural Resource Conservation Commission. 1999. Edwards Aquifer Recharge, Transition and Contributing Zone Rules and Regulations, Chapter 213, Subchapters A & B. Rule Log No. 97105-213-WT.
- 159 LCRA Texas Water Commission. 1987. Water Quality Standards for Nutrients in the Lower Colorado River, Final Report, June 15, 1987.
- 160 Texas Water Quality Board (now Texas Department of Water Resources). 1976. Water Quality Study of Barton Creek.
- 161 Texas Water Development Board. 2004. Geology and Ground-Water Resources of Travis County, Texas, Texas Department of Water Resources (In Preparation)..
- 162 Twidwell, Steve. 1974. Bacteriological Study of Barton Springs, Texas Water Quality Board. Interoffice Memorandum.
- 163 U.S. Fish and Wildlife Service. 1991. Black-capped vireo (*Vireo atricapillus*) recovery plan. Austin: USFWS. 74 p.
- 164 U.S. Fish and Wildlife Service. 1992. Golden-cheeked warbler (*Dendroica chrysoparia*) recovery plan. Austin: USFWS. 74 p.
- 165 U.S. Fish and Wildlife Service. 1994. Recovery plan for endangered karst invertebrates in Travis and Williamson Counties, Texas. Albuquerque, New Mexico. 154 pp.
- 166 U.S. Fish and Wildlife Service. 1995. Threatened and endangered species of Texas. Austin: USFWS.
- 167 U.S. Fish and Wildlife Service. 1997. Endangered and threatened wildlife and plants; Final rule to list the Barton Springs salamander as endangered. 50CFR Part 17: pp. 23,377- 23,391.

REGIONAL WATER QUALITY PLANNING PROJECT AVAILABLE LITERATURE / BIBLIOGRAPHY

- 168 U.S. Fish and Wildlife Service. 2000. Draft Barton Springs Salamander (*Eurycea sosorum*) Recovery Plan. Albuquerque (NM): USFWS. 108 p.
- 169 U.S. Fish and Wildlife Service. 2001. Draft Biological Opinion on the Environmental Protection Agency's continued Operation of the Construction General Permit in the Barton Springs watershed.. Consultation No. : 15-F-2001-0437. July 15,2001. Austin: USFWS.
- 170 U.S. Geological Survey. 1898. Geology of the Edwards Plateau and Rio Grande Plain Adjacent to Austin and San Antonio, Texas with Reference to the Occurrence of Under- ground Waters, U.S. Geological Survey, Eighteenth Annual Report, 1896-1897, Part n, pp. 193-322.
- 171 U. S. Geological Survey. 1995. Hydrologic Data for Urban Studies in the Austin, Texas Metropolitan Area, 1975-1986, Data Files 1987-1995. Prepared in Cooperation with the City of Austin.
- 172 U.S. Geological Survey. 1986. Recharge Zone of the Edwards Aquifer Hydrologically Associated with Barton Springs in the Austin Area, Texas. Water-Resources Investigations Report 86-4062.
- 173 Veenhuis J.E. and D.G. Gannett. 1986. The effects of urbanization on floods in the Austin metropolitan area, Texas. Austin: U.S. Geological Survey. Water-Resources Investigations Report 86-4069. 66 p.
- 174 Veenhuis J.E., Slade R.M. Jr. 1990. Relation between urbanization and water quality of streams in the Austin area, Texas. Austin (TX): U.S. Geological Survey. Water resources investigations report number 90-4,107. 64 p.
- 175 Veni G., 1991. Geologic controls on cave development and the distribution of cave fauna in the Austin, Texas, Region. San Antonio (TX): George Veni & Associates.
- 176 Veni G., and Associates. 1992. Geological controls on cave development and the distribution of cave fauna in the Austin, Texas, region. Report prepared for U.S. Fish and Wildlife Service, Austin, Texas.
- 177 Village of Bee Springs. 2000. Comprehensive Plan, Ordinance No. 00-08-22-A. Dunkin, Sefko and Associates. Adopted August 22, 2000. Bee Springs (TX): Village of Bee Springs.
- 178 Wadsworth E. (City of Austin). 2001. Landuse updates and Impervious Cover determinations for the Phase I CRWR GIS model, City of Austin, TX. Unpublished paper provided to Chris Sands at BIO- WEST on 2/15/01. Austin: COA. 3 p.
- 179 Wanakule, Nisai. 1989. Optimal Groundwater Management Models for the Barton Springs/Edwards Aquifer Edwards Aquifer Research and Data Center, R1-89, San Marcos, Texas, March, 1989.
- 180 Wilding L.P., Woodruff C.M. 1993. Soils and landforms of the central Texas hill country- implications for waste-water application. Proceedings of the on-site wastewater treatment and research conference; 1993 Oct 10-12; Austin, Texas. 19 p.
- 181 Woodruff C.M. Jr., Marsh W.M., Wilding L.P. 1993. Soils, landforms, hydrologic processes, and land-use issues: Glen Rose Limestone terrains, Barton Creek watershed, Travis County, Texas. Austin (TX): Society of Independent Professional Earth Scientists. Field report and guidebook. 5 December 1992 (revised January 1993).
- 182 Woodruff, C. Laura De La Garza, Fred Snyder. 1989. Lineament and the Edwards Aquifer, B.S. Segment Travis and Hays Counties. Edwards Aquifer Research and Data Center, San Marcos, Texas, in cooperation with the City of Austin, 1989.