

CHAPTER 9

REFERENCES CITED

- Air Nav. 1997. Information on Carbon County Airport [Web Page]. Located at <http://www.airnav.com/cgi-bin/airport-info?PUC>. Accessed on March 18, 1999.
- Algermissen, S. T. 1969. Seismic Risk Studies in the United States. U.S. Department of Commerce, Environmental Science Service Administration. Presented to 4th World Conference on Earthquake Engineering, Santiago, Chile.
- Almand, J. D., and W. B. Krohn 1978. The position of the Bureau of Land Management on the protection and management of riparian ecosystems. Pages 359–361 *in* Strategies for Protection and Management of Floodplain Wetland and Other Riparian Ecosystems. USDA Forest Service General Technical Report WO-12.
- American Ornithologists' Union 1983. Check-list of North American Birds. Sixth edition. American Ornithologists' Union, Allen Press, Inc., Lawrence, Kansas. 877 pages.
- American Whitewater Affiliation. 1995a. Cottonwood Creek [Web Page]. Located at http://www.awa.org/awa/river_project/Utah/Cottonwood_Creek.html. Accessed March 18, 1999.
- American Whitewater Affiliation. 1995b. Huntington Creek [Web Page]. Located at http://www.awa.org/awa/river_project/Utah/Huntington_Creek.html. Accessed March 18, 1999.
- American Whitewater Affiliation. 1995c. San Rafael River [Web Page]. http://www.awa.org/awa/river_project/Utah/San_Rafael.html. Accessed March 18, 1999.
- Anonymous 1997. Report of Water Analysis, River Gas Corp. D-4.
- Applied Hydrology Associates, Inc. 1998. Ferron Natural Gas Development EIS Aquifer Modeling Report. Applied Hydrology Associates, Inc., Denver, Colorado.
- Armbruster, J. S. 1983. Impacts of Coal Surface Mining on 25 Migratory Bird Species of High Federal Interest. U.S. Department of the Interior, Fish and Wildlife Service, Fort Collins, Colorado. FWS/PBS-83/35. 348 pp.
- Aubry, A. M. 1998. Personal communication. Geologist, Bureau of Land Management, Moab, Utah.
- Aubry, A. M., A. McKee, and C. Wehrli. 1998. Soil Gas Survey of the Ferron Sandstone Member of the Mancos Shale, Northern Emery County, Utah. Bureau of Land Management, Utah State Office, Salt Lake City, Utah.
- Avian Power Line Interaction Committee. 1994. Mitigating Bird Collisions with Power Lines: The State of the Art in 1994. Edison Electric Institute. Washington, D.C.

- Avian Power Line Interaction Committee. 1996. Suggested Practices for Raptor Protection on Power Lines: The State of the Art in 1996. Edison Electric Institute/Raptor Research Foundation, Washington, D.C. 155 pages + appendices
- Baxter, G. T., and J. R. Simon. 1970. Wyoming Fishes. Wyoming Game and Fish Department. Bulletin No. 4. 168 pages.
- Behnke, R. J., and D. E. Benson. 1983. Endangered and Threatened Fishes of the Upper Colorado River Basin. Colorado State University Extension Service Bulletin 503A. 24 pages.
- Bell, L. H. 1982. Industrial Noise Control, Fundamentals and Applications. Marcel Dekker, New York, New York.
- Berg, L. 1997. Personal communication [*July 16* telephone conversation with E. Fleming, Greystone, Greenwood Village, Colorado. *RE: Aquatic resource data needs*]. Regional Fisheries Manager, Utah Division of Wildlife Resources, Price, Utah.
- Bicycle Utah, Inc. 1993. Bicycle Utah Vacation Guide. Bicycle Vacation Guides, Salt Lake City, Utah.
- Black, K. D., and M. D. Metcalf. 1986. An Archaeological Sample Inventory of the Elmo, Emery, and Scattered Small Tracts in Castle Valley Central Utah. Utah Bureau of Land Management Cultural Resource Series No. 19.
- Bunnel, M. D., and R. J. Hollberg. 1991. Coal Beds of the Ferron Sandstone Member in Northern Castle Valley, East-Central Utah. in Utah Geological Assoc. Pub. 19: Geology of East-Central Utah, UGA, Salt Lake City, Utah.
- Bureau of Land Management. 1984a. Price River Resource Area Management Framework Plan and Summary. Bureau of Land Management, Price, Utah.
- Bureau of Land Management. 1984b. Price River Resource Area Management Framework Plan Supplement on the Designation of Hydrocarbon Lease Categories Outside Special Tar Sands Areas. Bureau of Land Management, Price, Utah.
- Bureau of Land Management. 1986a. Supplemental Program Guidance for Energy and Mineral Resources. Bureau Manual 1624. Bureau of Land Management.
- Bureau of Land Management. 1986b. Visual Resource Inventory Manual H-8410-1. Visual Resource Contrast Rating Manual H-8431-1. BLM Lands & Renewable Resources.
- Bureau of Land Management. 1988. Environmental Assessment Supplement on Cumulative Impacts on Oil and Gas Categories. Bureau of Land Management.
- Bureau of Land Management. 1991a. Final Environmental Impact Statement for Vegetative Treatment on BLM Lands in 13 Western States. Bureau of Land Management, Washington, D.C.
- Bureau of Land Management. 1991b. Riparian-wetland initiative for the 1990's. BLM/WO/GI-91/001 +4340.

- Bureau of Land Management. 1991c. San Rafael Resource Management Plan and Record of Decision. Bureau of Land Management, Moab District, Utah.
- Bureau of Land Management. 1992. Solid Mineral Reclamation Handbook H-3042-1. Bureau of Land Management.
- Bureau of Land Management. 1994a. Recreation Guide to the San Rafael Area. Bureau of Land Management and Canyonlands Natural History Association, Moab, Utah.
- Bureau of Land Management. 1994b. Recreation opportunity spectrum maps for the Price Resource Area. Bureau of Land Management, Price, Utah.
- Bureau of Land Management. 1997a. Communication Sites and Oil and Gas Right-of-Ways. Bureau of Land Management, Price Field Office, Price, Utah.
- Bureau of Land Management. 1997b. Environmental Assessment of Texaco Exploration and Production, Incorporated Trunk C Gathering Line Project Right-of-Way Application UTU-74321. Moab District Office, Price River/San Rafael Resource Area, Price Utah.
- Bureau of Land Management. 1997c. Final Environmental Impact Statement and Record of Decision, Price Coalbed Methane Project. Bureau of Land Management, Moab, Utah.
- Bureau of Land Management and USDA Forest Service. 1989. Surface Operating Standards for Oil and Gas Exploration and Development. Third Edition. Bureau of Land Management and USDA Forest Service Rocky Mountain Regional Coordinating Committee. 45 pages.
- Call, M. W. 1978. Nesting Habitats and Surveying Techniques for Common Western Raptors. Bureau of Land Management Technical Note TN-316. 115 pages.
- Carbon County 1995. Carbon County Zoning Ordinance. Carbon County, Price, Utah.
- Carbon County 1997. Carbon County Master Plan. Carbon County, Price, Utah.
- Cavalli, P. 1998. Personal communication [23 January facsimile to E. Fleming, Greystone, Greenwood Village, Colorado. *RE*: Fish capture locations]. Native Fish Biologist, Utah Division of Wildlife Resources, Price, Utah. 5 pages.
- Church of Latter Day Saints. 1996. Membership for Utah, LDS Finance and Records. Salt Lake City, 1998.
- Colorado Division of Wildlife. 1984. The Bats of Colorado: Shadows in the Nights. Colorado Division of Wildlife, Denver, Colorado. 23 pages.
- Conway, M. W. 1997. Updated Analysis of Stress Profiles in the Injection Wells at Drunkard's Wash. 7 pages.
- Cox, C. 1998. Personal communication [January telephone conversation with L. Welch, Greystone, Greenwood Village, Colorado *RE*: Facilities at Bear Creek Campground]. County Clerk, Emery County, Castle Dale, Utah. 1 page.

- Cox, D., and S. Stevens. 1993. Water Disposal From Coalbed Methane Wells in the San Juan Basin. Society of Petroleum Engineers.
- Cox, G. 1998. Personal communications. Asset Manager, Texaco Exploration and Production, Inc. Denver, Colorado.
- Cronquist, A., A. J. Homgran, N. H. Homgran, J. L. Reveal. 1972. Intermountain Flora. Vascular Plants of the Intermountain West, U.S.A. Volume I. New York Botanical Garden, New York, New York.
- Deventer, J. S. and W. S. Platts. 1989. Microcomputer Software System for Generating Population Statistics From Electrofishing Data — User's Guide for MicroFish 3.0 USDA Forest Service General Technical Report INT-254.
- Doelling, H. H. 1972. Central Utah Coal Fields: Sevier-Sanpete, Wasatch Plateau, Book Cliffs, and Emery. Utah Geology and Mining Survey Monograph Series No. 3.
- Doelling, H. H., A. D. Smith, and F. D. Davis. 1979. Methane Content of Utah Coals. Utah Geology and Mining Survey Special Study 49. 102 pages.
- Emery County Historical Society. 1981. Emery County 1880–1980. Craftsman Printers, Lubbock, Texas.
- Emery County. 1995. Zoning Resolution for Emery County, Utah. Emery County, Castle Dale, Utah.
- Emery County. 1996. Emery County General Plan. Emery County, Castle Dale, Utah.
- Energy Information Administration. 1996a. U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves 1996 Annual Report [Web Page]. Located at <ftp://sup.eia.doe.gov/pub.oil-gas/natural-gas/data-publications/crude-oil-natural-gas-reserves-1996/current/pdf/cr96ch4.pdf>.
- Energy Information Administration. 1996b. Wellhead Value and Marketed Production of Natural Gas by State, 1992–1996. Table. Natural Gas Annual 1996 [Web Page]. Located at ftp://ftp.eia.doe.gov/pub/natural_gas/pdf/nga96v102.pdf. Accessed on June 11, 1998.
- Environmental Studies Board. 1974. Rehabilitation Potential of Western Coal Lands. Study Committee on the Potential for Rehabilitating Lands Surface Mined for Coal in the Western United States. National Academy of Sciences, National Academy of Engineering. Ballinger Publishing Company, Cambridge, Massachusetts. 198 pages.
- Evans, G., and V. Westphal. 1997. Utah Big Game Annual Report 1997. W-65-RD-45. Utah Department of Natural Resources, Division of Wildlife Resources, Salt Lake City, Utah.
- Ferdeber, N. 1997. Personal communication [*December 10* telephone conversation with S. Ollmann, Greystone, Sacramento, California. *RE*: Tax information]. County Assessor, Carbon County, Price, Utah. 1 page.
- Ferdeber, N. 1998. Personal communication [*June 12* telephone conversation with S. Ollmann, Greystone, Sacramento, California. *RE*: Ad valorem tax of wells]. County Assessor, Carbon County, Price, Utah. 1 page.

- Fisser, H. G. 1981. Shrub establishment, dominance, and ecology on the juniper and sagebrush-grass types in Wyoming. Pages 23–28 *in* L. H. Stelter, E. J. DePuit, and S. A. Mikol (technical coordinators). Shrub Establishment on Disturbed Arid and Semi-arid lands: Proceedings of the Symposium held at Laramie, Wyoming, December 2–3, 1980, Wyoming Game and Fish Department, Cheyenne, Wyoming.
- Fowler, C. 1988. Habitat Capability Model for the Northern Goshawk. USDA Forest Service, Tahoe National Forest, Nevada City, California. 21 pages.
- Fowler, J. M., and J. Witte. 1985. Oil and Gas Activity on Ranch Operations and Rangelands. *Rangelands* 7(1):35–37.
- Freethy, G. W., and G. E. Cordy. 1991. Geohydrology of Mesozoic Rocks in the Upper Colorado River Basin in Arizona, Colorado, New Mexico, Utah, and Wyoming, Excluding the San Juan Basin – Regional Aquifer-system Analysis. U.S. Geological Survey Professional Paper 1411–C. 118 pages.
- Freeze, R. A., and J. A. Cherry. 1979. *Groundwater*. Prentice-Hall, Inc. Englewood Cliffs, New Jersey.
- Funk, B. 1997. Personal communication [*RE*: Visitor Statistics for Bear Creek Campground]. Emery County, Castle Dale, Utah.
- Fyfe, R. W., and R. R. Olendorf. 1976. Minimizing the Dangers of Nesting Studies to Raptors and Other Sensitive Species. Canadian Wildlife Service Occasional Paper No. 23. 16 pages.
- Galloway, W. J, K. M. Eldred, and M. A. Simpson. 1974. Population Distribution of the United States as a Function of Outdoor Noise. EPA–550/9–74–009.
- Gas Research Institute. 1993. Policy Implications of the GRI Baseline Projection of U.S. Energy Supply and Demand to 2010. Gas Research Institute. 20 pages.
- Gas Research Institute. 1996. Technical Reference Manual for GRI–HAPCalc Version 2.0 and GRI–HAPData Version 1.0: Software for Estimating Emissions of Hazardous Air Pollutants and Criteria Air Pollutants from Natural Gas Industry Operations. Gas Research Institute, Environmental and Safety Business Unit.
- Gibson, J. M. 1994. Personal communication [letter to Robert L. Roberts, Mayor, Huntington, Utah. *RE*: Rescission of the City of Huntington Flood Hazard Boundary Map, dated January 23, 1984]. Federal Emergency Management Agency.
- Grubb, T. G. 1976. A Survey and Analysis of Bald Eagle Nesting in Western Washington. M.S. Thesis. University of Washington, Seattle, Washington. 87 pages.
- Hamon, C. E., compiler. 1982. Universal Soil-loss Equation. USDA Soil Conservation Service and State of Colorado Agronomy Note Number 50 (Revision #2).
- Harris, C. M. 1991. *Handbook of Acoustical Measurements and Noise Control*. McGraw-Hill, Inc., New York, New York.

- Harris, R. E. 1997. Personal communication. [November 17 letter to M. Bonar, Greystone, Greenwood Village, Colorado. *RE*: List of endangered and threatened species for the FNG Project]. Field Supervisor, U.S. Fish and Wildlife Service, Salt Lake City, Utah. 2 pages.
- Harris, R. E. 1999. Personal communication [January 25 letter to Field Manager, Bureau of Land Management, Price, Utah. *RE*: Section 7 Consultation on the Ferron Natural Gas Project]. Field Supervisor, U.S. Fish and Wildlife Service, Salt Lake City, Utah. 2 pages.
- Hauck, F. R. 1979. Cultural Resource Evaluation in Central Utah. Utah Bureau of Land Management Cultural Resource Series No. 3.
- Himes, R. 1996. Personal communication [letter to John Hollingshead. *RE*: Analysis of Injection Water Compatibility with Navajo Connate Water, Project SL 4377].
- Hingtgen, T. M. and W. R. Clark. 1984. Small Mammal Recolonization of Reclaimed Coal Surface-Mined Land in Wyoming. *Journal of Wildlife Management* 48:1255–1261.
- Hintze, L. F. 1988. Geologic History of Utah. Brigham Young University Geologic Studies Special Publication 7.
- Hoffmeister, D. F. 1986. Mammals of Arizona. University of Arizona Press and Arizona Game and Fish Department, Phoenix, Arizona.
- Hood, J. W., and D. J. Patterson. 1984. Bedrock Aquifers in the Northern San Rafael Swell Area, Utah, with Special Emphasis on the Navajo Sandstone. State of Utah Department of Natural Resources, Technical Publication No. 78.
- Humphry, J. M. 1999. Personal communication [January 27 facsimile to C. Begej, Greystone, Greenwood Village, Colorado *RE*: Water balance information for surface waters in the Project Area]. Emery Water Conservancy District, Castle Dale, Utah. 11 pages.
- Hunt, G. L. 1998. Personal communication. Utah Division of Oil, Gas, and Mining, Salt Lake City, Utah.
- Hurst, G. D. 1994. Personal communication [March 4 letter to C. Willis, River Gas Corporation, Northport, Alabama. *RE*: Connate and injection water analysis results for the Drunkards Wash 31–1 D–1 well]. Group Leader, Core Flow Department, Stim-Lab, Inc., Duncan, Oklahoma. 2 pages.
- Intermountain Ecosystems, LC. 1997. Ferron Natural Gas EIS Special Status Plant Species Inventory, Emery County, Utah. Intermountain Ecosystems, LC. 46 pages.
- Jensen, E. H., and J. W. Borchert. 1988. Soil Survey of Carbon Area, Utah. USDA Soil Conservation Service.
- Jensen, K. 1998. Personal communication [March 12 telephone conversation with S. Ollmann, Greystone, Greenwood Village, Colorado. *RE*: Staffing and reported offenses]. Administrator, Emery County Sheriff Department, Castle Dale, Utah. 2 pages.
- Johnsgard, P. A. 1986. Birds of the Rocky Mountains. Colorado Association University Press, Boulder, Colorado. 504 pages.

- Kaminski, M. 1997. Personal communications. Soils Specialist, Bureau of Land Management, Price, Utah.
- Keleher, B. 1995. Carbon County Trails Plan. Appendix to the Carbon County Comprehensive Plan. Carbon County, Price, Utah. 100 pages.
- Korenko, L. 1998. Personal communication [*March 4* telephone conversation with S. Ollmann, Greystone, Sacramento, California. *RE*: County landfill]. Waste Management Administrator, Carbon County Building Department, Price, Utah. 1 page.
- Kruger, P. W. 1981. Report on Climate, Air Quality, and Noise for the Cache Creek-Bear Thrust Environmental Impact Statement, U.S. Geological Survey Open File Report 81–859.
- Lawrence, A. W., and J. A. Miller. 1975. Topical Report. A Regional Assessment of Produced Water Treatment and Disposal Practices and Research Needs. Gas Research Institute GTI–95/0301.
- Leamaster, D. 1997. Personal communication [telephone conversation with Environmental Industrial Services, Helper, Utah *RE*: Culinary and Secondary Water Usage in Emery County]. District Manager, Castle Valley Special Service District, Castle Dale, Utah.
- Leonard S., G. Staidl, J. Fogg, K. Gebhardt, W. Hagenbuck, and D. Prichard. 1992. Procedures for Ecological Site Inventory — with Special Reference to Riparian-wetland Sites (draft). Bureau of Land Management Service Center Report TR 1737–7.
- Lines, G. C., and D. J. Morrissey. 1983. Hydrology of the Ferron Sandstone Aquifer and Effects of Proposed Surface-Coal Mining in Castle Valley, Utah. U.S. Geological Survey Water-Supply Paper 2195. 40 pages.
- Lipe, D. L. 1983. The southwest. Pages 420–493 in J. E. Jennings, editor. *Ancient North Americans*. W. H. Freeman, San Francisco, California.
- Lish, J. W. 1975. Status and Ecology of Bald Eagles and Nesting of Golden Eagles in Oklahoma. M.S. Thesis. Oklahoma State University, Stillwater, Oklahoma. 98 pages.
- Ludington, W. 1997. Personal communications. Wildlife Biologist, Bureau of Land Management, Price, Utah.
- Lyon, J. L. 1985. Elk and cattle on the national forests: a simple question of allocation or a complex management problem? *Western Wildlands* 11:16–19.
- Mangum. 1982. Unpublished National Aquatic Ecosystem Analysis Laboratory macroinvertebrate data.
- Masslich, W. J., and P. B. Holden. 1995. Price River Fisheries Survey: Woodside, Utah to Confluence with Green River. Bio/West Inc., Logan, Utah.
- McDonough, P. 1998. Personal communication [*March 30* memorandum to George Wilberger, Questar Regulated Services, Salt Lake City, Utah. *RE*: Ferron Pipeline Seismic Comments].
- McKee, A. 1998. Personal communications. Petroleum Engineer, Bureau of Land Management, State Office, Salt Lake City, Utah.

- Mitchell, D. L., L. Rawley, and G. Evans. 1996. Utah Upland Game Annual Report 1996. Utah Department of Natural Resources, Division of Wildlife Resources, Salt Lake City, Utah.
- Naftz, D. L., H. K. Hadley, and G. L. Hunt. 1998. Determination of Methane Concentrations in Shallow Groundwater and Soil Gas near Price, Utah. U.S. Geological Survey, Salt Lake City, Utah.
- National Oceanic and Atmospheric Administration. 1979. Climatic Atlas of the United States. National Climatic Center, Asheville, North Carolina.
- Nethercott, M. A. 1985. Geologic Map and Coal Resources of the Deadman Canyon Quadrangle, Carbon County, Utah. Utah Geological Survey Map 76.
- Nielson, J. 1997. Personal communication [*November 12* telephone conversation with S. Hoffmeister, Greystone, Greenwood Village, Colorado. *RE: Weed in Emery County*]. County Weed Coordinator, Emery County, Castle Dale, Utah.
- O'Neil, F. A. 1981. Victims of demand: the vagaries of the Carbon County coal industry. *in* P. F. Notarianni, editor. Carbon County: Eastern Utah's Industrialized Island. Utah State Historical Society, Salt Lake City, Utah.
- Occupational Health and Safety Administration. 1996. Nonfatal Occupational Injuries and Illness Incidence Rates per 100 Full-time Workers by Industry, 1996 [Web Page]. Located at www.osha.gov/oshstats/bls/Ming6.html. Accessed during April 1998.
- Office of Pipeline Safety. 1997. Natural Gas Transmission Incident Summary by Cause; 1/1/96 – 12/31/96. Located at <http://ops.dot.gov/mgtran96.htm>.
- Office of Surface Mining. 1985. Draft Reconnaissance Maps to Assist In Identifying Alluvial Valley Floors; Central Utah. Office of Surface Mining.
- Office of Technology Assessment. 1980. An assessment of Oil Shale Technologies. Office of Technology Assessment.
- Olsen, D. March 5, 1998. Personal communication [*March 5* telephone conversation with S. Ollmann, Greystone, Sacramento, California. *RE: ECDC landfill*]. Facilities Engineer. ECDC (East Carbon Development), East Carbon, Utah. 1 page.
- Page, M. 1997. Water use information. Compiled by State Engineer from information provided by PacifiCorp and the Huntington and Cottonwood Creek Commissioners Annual Reports.
- Page, M. 1998. Personal communication [*January* telephone conversation with C. Begej, Greystone, Greenwood Village, Colorado *RE: Administration of GP40 Stream Alteration Permit*]. Regional Engineer, Utah Division of Water Rights, Price, Utah.
- Parker, P. L., and T. F. King. 1990. National Register Bulletin 38: Guidelines for Evaluating and Documenting Traditional Cultural Properties. United State Department of the Interior, National Park Service, Interagency Resources Division, Washington, DC.
- Petzet, A. 1996. Utah coalbed gas exploration poised for growth. Oil and Gas Journal. August 5, 1996.

- Plummer, A. P., D. R. Christensen, and S. B. Monsen. 1968. Restoring Big-game Range in Utah. Utah Division of Fish and Game Publication No. 68-3. 183 pages.
- Reynolds, R. T., R. T. Graham, and M. H. Reiser 1992. Management Recommendations for the Northern Goshawk in the Southwestern United States. USDA Forest Service General Technical Report RM-217. 90 pages.
- Robertson, J. 1998. Personal communication [*March 4* telephone conversation with S. Ollmann, Greystone, Sacramento, California. *RE: Crime in Carbon County*]. Carbon County Sheriff, Price, Utah.
- Rose, K. L. 1993. Personal communication. Assistant Colorado State Supervisor. U.S. Fish and Wildlife Service, Grand Junction, Colorado.
- Rost, G. R., and J. A. Bailey. 1979. Distribution of mule deer and elk in relation to roads. *Journal of Wildlife Management* 43(3):634-641.
- Russon, M. P. 1992. Interim Geologic Map of the Helper Quadrangle, Carbon County, Utah. Utah Geological Survey Open File Report 262.
- Schlotterback, L. 1998. Personal communication [*March 23* facsimile to D. Douglas, Greystone, Greenwood Village, Colorado. *RE: Ferron gas chemical composition*]. Texaco Exploration and Production, Inc., Farmington, New Mexico.
- Schroedl, A. R. 1976. The Archaic of the Northern Colorado Plateau. PhD Dissertation, University of Utah, Salt Lake City, Utah.
- Schwartz, K. 1998. Personal communication. NEPA Specialist, Bureau of Reclamation, Provo, Utah.
- Sherwin, R. E., D. S. Rogers, and C. A. Johansson. 1997. Assessment of Spotted Bat (*Euderma maculatum*) and Townsend's Big-eared Bat (*Corynorhinus townsendii*) in the Proposed Southern Lease Area (LBA11). Manti-La Sal National Forest, Price, Utah.
- Shickley, G. M. 1961. Wintering bald eagles in Nebraska. 1959-1960. *Nebraska Bird Review* 29: 26-31.
- Sigler W. F., and J. W. Sigler. 1996. *Fishes of Utah: A Natural History*. University of Utah Press.
- Spahr, R., L. Armstrong, D. Atwood, and M. Rath. 1991. Threatened, Endangered, and Sensitive Species of the Intermountain Region. USDA Forest Service, Ogden, Utah.
- Spangler, J. D. 1993. Continuity and Change: A Cultural Resource Class I Inventory of the Price River Resource Area. Bureau of Land Management, Nine Mile Study Group, Murray, Utah.
- Speiker, E. M. 1931. The Wasatch Plateau Coal Field, Utah. U.S. Geological Survey Bulletin 819.
- Spencer, D. A. 1976. Wintering of the Migrant Bald Eagle in the Lower 48 States. National Agricultural Chemicals Association, Washington, D.C. 170 pages.
- Stalmaster, M. V., J. R. Newman, and A. J. Hansen. 1979. Population dynamics of wintering bald eagles on the Nooksack River, Washington. *Northwest Science* 53(2): 126-131.

- Stapley, D. 1998. Personal communication [*June 11* telephone conversation with L. Welch, Greystone, Greenwood Village, Colorado. *RE: Road and highway transportation plans and maintenance schedules*]. Encroachment and Permits Officer, Price, Utah. 1 page.
- State of Utah. 1995. Non-Point Source Management Plan for Hydrologic Modification.
- Steenhof, K. 1978. The Ecology of Wintering Bald Eagles in Southeastern South Dakota. M.S. Thesis University of Missouri, Columbia, Missouri. 148 pages.
- Stevens, C. R., and J. D. Garr. 1997. Personal communication [*December 18* letter to R.A. Lamarre, Texaco Exploration and Production, Inc. *RE: Summary of Hydrologic Modeling of SWD #1 and SWD #2, Emery County, Utah*]. Montgomery-Watson, Salt Lake City, Utah.
- Stokes, W. L. 1986. Geology of Utah. Utah Museum of Natural History and Utah Geological and Minerals Survey.
- Swisher, J. F. 1964. A roosting area of the bald eagle in northern Utah. *Wilson Bull.* 76(2):186–187.
- Symons, K. 1997. Personal communication [December telephone conversation with D. Douglas, Greystone, Greenwood Village, Colorado]. Utah Air Quality Division, Air Quality Monitoring Section, Salt Lake City, Utah.
- Tabet, D. E. 1995. CBM in ‘Dry Country’. Coalbed Gas Development Expands in Utah. Department of Natural Resources, Utah Geological Survey, Salt Lake City, Utah.
- Tabet, D. E., B. P. Hucka, and S. N. Sommer. 1995. Maps of Total Ferron Coal Thickness, Depth to the Top of the Ferron Sandstone, and Vitrinite Reflectance of Ferron Sandstone Coals.
- Todd, C. S. 1979. The Ecology of the Bald Eagle in Maine. M.S. Thesis. University of Maine, Orono, Maine. 91 pages.
- U.S. Department of Energy. 1998. Comprehensive National Energy Strategy. National Energy Policy Plan Pursuant to Section 801 of the Department of Energy Organization Act. Advance Copy. Department of Energy, Washington, D.C. 25 pages.
- U.S. Environmental Protection Agency, National Park Service, USDA Forest Service, and U.S. Fish and Wildlife Service. 1993. Interagency Workshop on Air Quality Modeling Phase I Report: Interim Recommendation for Modeling Long Range Transport and Impacts on Regional Visibility. EPA-454/R-93-015.
- U.S. Environmental Protection Agency. 1974. Information on Noise Levels Identified as Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety. EPA-550/9-74-004.
- U.S. Environmental Protection Agency. 1995a. Compilation of Air Pollutant Emission Factors, Volume I: Stationary Sources. U.S. Environmental Protection Agency, Office of Air and Radiation, Research Triangle Park, North Carolina.
- U.S. Environmental Protection Agency. 1995b. Compilation of Air Pollutant Emission Factors. U.S. Environmental Protection Agency Publication AP-42. Fifth Edition.

- U.S. Environmental Protection Agency. 1995c. User's Guide for the Industrial Source Complex (ISC) Dispersion Models. EPA-454/B-95-003a. U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, North Carolina.
- U.S. Environmental Protection Agency. 1997. Integrated Risk Information System (IRIS) Data Base. U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, North Carolina.
- U.S. Fish and Wildlife Service. 1987. Recovery Implementation Program for Endangered Fish Species in the Upper Colorado River Basin. U.S. Fish and Wildlife Service, Denver, Colorado.
- U.S. Fish and Wildlife Service. 1989. Black-Footed Ferret Survey Guidelines for Compliance with the Endangered Species Act. U.S. Fish and Wildlife Service, Denver, Colorado. 14 pages.
- U.S. Fish and Wildlife Service. 1993. 50 CFR Part 17. Endangered and Threatened Wildlife and Plants; Proposed Rule. Federal Register: 6578-6597.
- U.S. Fish and Wildlife Service. 1998a. Endangered and Threatened Wildlife and Plants; Final Rule To Determine the Plant *Pediocactus winkleri* (Winkler Cactus) To Be a Threatened Species. Federal Register 63(161):44587-44595.
- U.S. Fish and Wildlife Service. 1998b. Raptor Protection Proximal to Disturbance from Land Use Activities. Draft Guidelines. U.S. Fish and Wildlife Service, Salt Lake City, Utah.
- U.S. Geological Survey, Bureau of Land Management, USDA Forest Service. 1990. Federal Land Assessment, Workshop Syllabus (Attachment #1) in Information Bulletin 90-206, National Oil and Gas Resource Assessment Workshop.
- U.S. Geological Survey. 1969. Mineral and Water Resources of Utah. Utah Geological and Minerals Survey Bulletin 73.
- U.S. Geological Survey. 1997. Water Resources Data — Utah — Water Year 1996. UT-96-1.
- U.S. Geological Survey. 1998a. 1990 Water Use for HUC 14060007, Price [Web Page]. Located at <http://water.usgs.gov/>. Accessed on May, 2 1998.
- U.S. Geological Survey. 1998b. 1990 Water Use for HUC 14060009, San Rafael [Web Page]. Located at <http://water.usgs.gov/>. Accessed on May 2, 1998.
- USDA Forest Service. 1979. User Guide to Soils, Mining and Reclamation in the West. USDA Forest Service, Ogden, Utah.
- USDA Forest Service. 1986. Final Environmental Impact Statement, Manti-La Sal National Forest. USDA Forest Service, Price, Utah.
- USDA Forest Service. No Date. Known or Suspected Threatened, Endangered, Proposed, and Sensitive Vertebrate Species on the Manti-La Sal National Forest. USDA Forest Service, Price, Utah.

- USDA Natural Resource Conservation Service. 1996. National Soil Survey Handbook. USDA Natural Resource Conservation Service, Washington, DC.
- USDA Soil Conservation Service, Bureau of Land Management, and Utah Agricultural Experiment Station. 1988. Soil Survey of Carbon Area, Utah. U.S. Government Printing Office. Washington, D.C.
- Utah Bureau of Water Pollution Control. 1990. Water Quality Assessment for 1990. Utah Department of Health, Division of Environmental Health, Salt Lake City, Utah.
- Utah Department of Community & Economic Development. 1997. Industry Profile Data [Web Page]. Located at <http://www.ce.ex.state.ut.us/birs/industry/industry.htm>.
- Utah Department of Environmental Quality. 1995. 1995 305(b) Report to the U.S. Environmental Protection Agency. Appendix E, Stream Assessment for the Green River. Lower Colorado, Sevier Lake-Escalante Desert and the Colorado-San Juan Basins. Salt Lake City, Utah.
- Utah Department of Natural Resources. 1972. Reconnaissance of Chemical Quality of Surface Water and Fluvial Sediment in the Price River Basin, Utah. Technical Publication No. 39.
- Utah Department of Natural Resources. 1982. Reconnaissance of the Quality of Surface Water in the San Rafael River Basin, Utah. Technical Publication No. 72.
- Utah Department of Natural Resources. 1992. 1992 Utah State Comprehensive Outdoor Recreation Plan. Division of Parks and Recreation, Salt Lake City, Utah.
- Utah Department of Natural Resources. 1997a. Annual Performance Report for Federal Aid Project W-65-RD-45. Division of Wildlife Resources Publication Number 97-17.
- Utah Department of Natural Resources. 1997b. Annual Visitation for Huntington Lake and Millsite State Parks, 1986-1996. Division of Parks and Recreation, Salt Lake City, Utah.
- Utah Department of Transportation. 1996. 1995 Traffic on Utah Highways. Utah Department of Transportation, Program Development Division, Data Analysis Section, Salt Lake City, Utah.
- Utah Department of Transportation. 1997. Vehicle Miles Traveled by County by Type of Road Ownership. Transportation Planning [Web Page]. Located at <http://www.dot.state.ut.us/pla/plamenu.htm>.
- Utah Division of Drinking Water. 1993. Public Water Supply Information System. Utah Department of Environmental Quality, Division of Drinking Water, Salt Lake City, Utah.
- Utah Division of Oil, Gas and Mining. 1996. Permit Statement of Basis, Texaco E&P Inc. Well SWD #1, Utah Division of Oil, Gas and Mining, Salt Lake City, Utah.
- Utah Division of Oil, Gas, and Mining. 1997. Drilling Activity in Utah [Web Page]. Located at www.nr.state.us/ogm/statindx.html.
- Utah Division of Water Quality. 1994. Standards of Quality for Waters of the State, R317-2, Utah Administrative Code, Effective Date 2/16/94. Utah Department of Environmental Quality, Division of Water Quality, Salt Lake City, Utah.

- Utah Division of Water Quality. 1996. Utah Water Quality Assessment Report to Congress, 1996. Department of Environmental Quality, Division of Water Quality, Salt Lake City, Utah.
- Utah Division of Water Quality. 1997. November 12 and 21, 1997. STORET retrieval queries, Selected sites in Carbon and Emery counties.
- Utah Division of Water Resources. 1975. Hydrologic Inventory of the Price River Basin. Utah State Department of Natural Resources, Salt Lake City, Utah.
- Utah Division of Water Resources. 1979. Update of Hydrologic Inventory of the San Rafael River Basin. Utah State Department of Natural Resources, Salt Lake City, Utah.
- Utah Division of Wildlife Resources. 1980. Stream survey data for Cottonwood Creek, collected April 1980. Utah Division of Wildlife Resources, Price, Utah.
- Utah Division of Wildlife Resources. 1982. Stream survey data for Meetinghouse, Fish, and Deer Creeks, collected June 1982. Utah Division of Wildlife Resources, Price, Utah.
- Utah Division of Wildlife Resources. 1992. Stream survey data for Huntington Creek, collected July 1992. Utah Division of Wildlife Resources, Price, Utah.
- Utah Division of Wildlife Resources. 1997. Utah Sensitive Species List, March 20, 1997 [Web Page]. Located at www.nr.state.ut.us/dwr/sensspl.htm.
- Utah Foundation 1997. Statistical Review of Government in Utah. Salt Lake City, Utah.
- Utah Geological Survey. 1995. Utah Geological Survey Petroleum News (newsletter, July 1995).
- Utah Governor's Office of Planning & Budget. 1997a. Demographic and Economic Analysis. Carbon and Emery Counties [Web Page]. Located at <http://www.qget.state.ut.us/county/scripts/county>. Accessed on December 5, 1997.
- Utah Governor's Office of Planning & Budget. 1997b. UPED Model System — 1997 Baseline Projections [Web Page]. Demographic and Economic Analysis Section. Located at <http://www.governor.state.ut.us/dea/qget/homepg.htm>.
- Utah School and Institutional Trust Lands Administration. 1996. 2nd Annual Report [Web Page]. Located at www.state.ut.us/index.htm.
- Utah State Government. 1997. State of Utah 1997 Fire Statistics [Web Page]. www.ps.ex.state.ut.us/fm/forestry.html.
- Utah State Legislature. 1997. Potential Issues for the 1998 Utah General Session [Web Page]. Located at [www.le.state.ut.us/\(gi-bin/foiocgi.exe/prview98/query=*/dog/{@352}?\)](http://www.le.state.ut.us/(gi-bin/foiocgi.exe/prview98/query=*/dog/{@352}?)).
- Utah State Office of Education. 1997. School District Student Enrollment Information 1991–1995 Fall Enrollment [Web Page]. Located at <http://www.usoe.k-12.ut.us/homepage/datafile.htm>.

- Vian, W. E. 1971. The Wintering Bald Eagle (*Haliaeetus leucocephalus*) on the Platte River in South-Central Nebraska, M.S. Thesis, Kearney State College, Kearney, Nebraska.
- Waddell, K. M, P. K. Contratto, T. Sumson, and J. R. Butler. 1981. Hydrologic Reconnaissance of the Wasatch Plateau-Book Cliffs Coal-Fields Area, Utah. U.S. Geological Survey Water Supply Paper 2068.
- Walter, W. R., S. L. Hunter, L. A. Glenn. 1996. Preliminary Report on LLNL Mine Seismicity Deployment at the Twentymile Coal Mine [Web Page]. Lawrence Livermore National Laboratory. Located at <http://www-ep.es.llnl.gov>.
- Ward, A. L., N. E. Fornwalt, S. E. Henry, and R. A. Hodorff. 1980. Effects of Highway Operation Practices and Facilities on Elk, Mule Deer, and Pronghorn Antelope. Federal Highway Administration Report No. FHWA-RD-79-143. 48 pages.
- Wasser, C. H., and J. Shoemaker. 1982. Ecology and Culture of Selected Species Useful in Revegetating Disturbed Lands in the West. Biological Services Program, U.S. Fish and Wildlife Service FWS/OBS-82/56. 347 pages.
- Watanabe, J. 1996. Personal communication [*August 15* letter to Bryant Anderson, Emery County, Castle Dale, Utah. *RE*: FEMA Flood Hazard Mapping in Emery County]. Utah Department of Public Safety, Division of Comprehensive Emergency Management, Salt Lake City, Utah.
- Weiss, E. 1987. Ground-water Flow in the Navajo Sandstone in Parts of Emery, Grand, Carbon, Wayne, Garfield, and Kane Counties, Southeast Utah. U.S. Geological Survey Water-Resources Investigations Report 86-4012. 41 pages.
- Weiss, M. P., I. J. Witkind, and W. B. Cashion. 1990. Geologic Map of the Price 30' X 60' Quadrangle, Carbon, Duchesne, Uintah, Utah, and Wasatch Counties, Utah. U.S. Geological Survey Map I-1981.
- Western Regional Climate Center. 1997. [Web Page] Located at www.wrcc.sage.dri.edu. Accessed on November 7, 1997.
- Winger, M. 1997. Personal communication [*November 24* telephone conversation with S. Hoffmeister, Greystone, Greenwood Village, Colorado. *RE*: Current status of weeds in the county]. Extension Agent, Utah Cooperative Extension Service, Price, Utah.
- Witkind, I. J. 1988. Geologic Map of the Huntington 30' x 60' Quadrangle, Carbon, Emery, Grand, and Uintah Counties, Utah. U.S. Geological Survey Map I-1764.
- Witkind, I. J., and M. P. Weiss. 1991. Geologic Map of the Nephi 30' x 60' Quadrangle, Carbon, Emery, Juab, Sanpete, Utah and Wasatch Counties, Utah. U.S. Geological Survey Map I-1937.
- Witkind, I. J., M. P. Weiss, and T. L. Brown. 1987. Geologic Map of the Manti 30' x 60' Quadrangle, Carbon, Emery, Juab, Sanpete, and Sevier Counties, Utah. U.S. Geological Survey Map I-1631.
- Woodling, J. D. 1985. Colorado's Little Fish: A Guide to the Minnows and Other Lesser Known Fishes in the State of Colorado. Colorado Division of Wildlife. Denver, Colorado.