
REFERENCES CITED

- Ahlers, D., and M.L. Armbruster, 1993. Unpublished Data. U.S. Bureau of Reclamation, Denver, Colorado.
- Ahrens, W.H., 1994. *Herbicide Handbook*. 7th ed. Weed Society of America, Champaign, Illinois.
- Anderson, H.H., 1956. A History of the Cheyenne River Indian Agency and Its Military Post, Fort Bennett, 1868-1891. *South Dakota Report and Historical Collections* 28:390-551. South Dakota Historical Society: Pierre, South Dakota.
- Armbruster, M.L., 1990. *Characterization of Habitat Used by Whooping Cranes During Migration*. U.S. Fish and Wildlife Service Report, 90(4). Denver, Colorado.
- Ashton, D.E., and E.M. Dowd, 1991. *Fragile Legacy: Endangered, Threatened, and Rare Animals of South Dakota*. South Dakota Department of Game, Fish and Parks, Report No.91-40. Jamestown, North Dakota: Northern Prairie Wildlife Research Center Homepage (<http://www.npwrc.usgs.gov/resource/distr/others/sdrare.htm> [version 08Dec97]).
- Bailey, R.M., and M.O. Allum, 1962. *Fishes of South Dakota*. Miscellaneous Publications No. 119. University of Michigan Museum of Zoology, Ann Arbor, Michigan.
- Bauxar, J.J., 1947. *Preliminary Appraisal of the Archeological and Paleontological Resources of Angostura Reservoir, Fall River County, South Dakota*. Unpublished manuscript. South Dakota Archaeological Research Center, Rapid City, South Dakota.
- Bell, G.L., 1995a. *Assessment of a Fossil on Reclamation-Administered Lands at Angostura Reservoir, Fall River County, South Dakota*. Prepared for the Bureau of Reclamation. Museum of Geology, South Dakota School of Mines and Technology, Rapid City, South Dakota.
- _____, 1995b. *An Assessment of the Paleontological Resources on Reclamation-Administered Lands at Angostura Reservoir, Fall River County, South Dakota*. Prepared for the Bureau of Reclamation. South Dakota School of Mines and Technology, Rapid City, South Dakota.
- _____, 1997. *A Report of the Excavation of Two Fossil Vertebrates on Bureau of Reclamation-Administered Lands at Angostura Reservoir, Fall River County, South Dakota*. Prepared for the Bureau of Reclamation. South Dakota School of Mines and Technology, Rapid City, South Dakota.
- Bishop, G.A., 1981. "Occurrence and Fossilization of the *Dakoticancer* Assemblage, Upper Cretaceous Pierre Shale, South Dakota." *The GSC Museum Contributions to Natural History Reprint No. 1*: New York, New York.

-
- Bjurgstad, A.J., and M. Girard, 1984. "Wooded Draws in Rangelands of the Northern Great Plains." In *Guidelines for Increasing Wildlife on Farms and Ranches*. F.R. Henderson, ed. Great Plains Agricultural Council, Wildlife Resources Committee and Cooperative Extension Service. Kansas State University, Manhattan, Kansas.
- Boldt, C.E., D.W. Uresk, and K.E. Severson, 1978. "Riparian Woodlands in Jeopardy on the Northern High Plains." In *Strategies for Protection and Management of Flood Plains, Wetlands, and Other Riparian Ecosystems*. R.R. Johnson and J.F. McCormick, eds. U.S. Forest Service General Technical Report WO-12. Washington, DC.
- Brown, C.J.D., 1971. *The Fishes of Montana*. The Endowment and Research Foundation, Montana State University, Bozeman, Montana.
- Buechel, E., 1983. *A Dictionary—Oie Wowapiwan of Teton Sioux Lakota-English:English-Lakota Lakota-Ieska:Ieska-Lakota*. University of South Dakota, Vermillion, South Dakota.
- Buechler, J., 1986. *A Cultural Resource Survey of the Proposed Stombaugh Land Exchange, Buffalo Gap National Grasslands, Custer County, South Dakota*. NADB No. 821,258. Prepared by Dakota Research Services, Buffalo Gap, South Dakota.
- _____, 1987. *A Short Format Report of an Intensive Cultural Resource Inventory Survey of the West River Electric Association, Inc.'s 1987 Projects in Meade and Pennington Counties, South Dakota*. SARC No. BLH0049. South Dakota Archeological Research Center, Rapid City, South Dakota.
- _____, 1989. *An Intensive (Level III) Cultural Resource Inventory Survey of the 1989 Pioneer Cooperative Grazing District Land Exchange Selected Areas on the Buffalo Gap National Grassland in Eastern Fall River County, South Dakota*. Prepared for the Pioneer Cooperative Grazing District. Dakota Research Services, Buffalo Gap, South Dakota.
- Churchill, E.P., and W.H. Over, 1933. *Fishes of South Dakota*. South Dakota Department of Game, Fish, and Parks, Pierre, South Dakota.
- Clark, T.W., 1989. *Conservation Biology of the Black-footed Ferret, Mustela nigripes*. Special Science Report No. 3. Wildlife Preservation Trust, Philadelphia, Pennsylvania.
- Corke, C.P., 1994. *Reconnaissance Irrigability Classification of Lands on the Pine Ridge Indian Reservation and Related Feasibility Considerations*. Morrison Maierle/CSSA, Helena, Montana.
- Corn, J.G., and M.L. Armbruster, 1993. "Prey Availability for Foraging Piping Plovers Along the Platte River, Nebraska." In *Proceedings—Missouri River and Its Tributaries: Piping Plover and Least Tern Symposium*. K.F. Higgins and M.R. Brashiers, eds. South Dakota State University, Brookings, South Dakota.
- Emmerich, J.M., and P.A. Vohs, 1982. "Comparative Use of Four Woodland Habits by Birds." *Journal of Wildlife Management* 46:43-49.

-
- Evermann, B.W., and U.O. Cox, 1896. *Report of the Commissioner for the Year Ending June 30, 1894*. U.S. Commission of Fish and Fisheries, Washington, DC.
- EXTOXNET, 1996. *Atrazine/Cyanazine/Simazine*. Extension Toxicology Network, Pesticide Information Profiles, Oregon State University Website, Corvallis, Oregon (<http://ace.ace.orst.edu/info/extoxnet/pips>).
- Faanes, C.A., 1984. "Wooded Islands in a Sea of Prairie." *American Birds* 38:3-6.
- Fagerstone, K.A., 1987. "Black-footed Ferret, Long-Tailed Weasel, and Least Weasel." In *Wild Fur-bearer Management and Conservation in North America*. Ministry of Natural Resources, Ontario, Canada.
- Federal Register, 1985. *Endangered and Threatened Wildlife and Plants; Interior Population of the Least Tern Determined to be Endangered*. Vol. 50, No. 238 (December 11, 1985).
- _____, 1989. *Endangered and Threatened Wildlife and Plants; Determination of Endangered Status for the American Burying Beetle*. Vol. 54, No. 133 (July 13, 1989).
- _____, 1993. *Proposed Establishment of a Nonessential Experimental Population of Black-footed Ferrets in North-Central Montana*. Vol. 58, No. 69 (April, 1993).
- _____, 1995. *Endangered and Threatened Wildlife and Plants; 12-Month Finding for a Petition to List the Swift Fox as Endangered*. Vol. 60, No. 116 (June 16, 1995).
- _____, 1999. *Endangered and Threatened Wildlife and Plants: Proposed Threatened Status for the Mountain Plover*. Vol. 64, No. 30 (February 16, 1999).
- FISRWG, 1998. *Stream Corridor Restoration: Principles, Processes, and Practices*. Federal Interagency Stream Restoration Working Group, Washington, DC.
- Fosha, M.R., 1992. *Cheyenne River Geoarchaeological Survey Haakon and Stanley Counties, South Dakota 1992*. Contract Investigation Series 774. South Dakota Archaeological Research Center, Office of History, South Dakota Historical Society, Rapid City, South Dakota.
- Friedman, J.M., W.R. Osterkamp, M.L. Scott, and G.T. Auble, 1998. "Downstream Effects of Dams on Channel Geometry and Bottomland Vegetation: Regional Patterns in the Great Plains." *Wetlands* 18(4):619-633.
- Frison, G.C., 1991. *Prehistoric Hunters of the High Plains*. 2nd ed. Academic Press: New York, New York.
- Gilmore, M.R., 1977. *Uses of Plants by the Indians of the Missouri River Region*. University of Nebraska Press: Lincoln, Nebraska.
- Girard, M.M., H. Goetz, and A.J. Bjugstad, 1989. *Native Woodland Types of Southwestern North Dakota*. U.S. Forest Service Research Paper RM-281. Fort Collins, Colorado.

-
- Gonzalez, N J., 1989. *A Level III Cultural Resource Inventory of Fall River District Road Maintenance Project in Fall River County, South Dakota*. Unpublished manuscript. Nebraska National Forest, Chadron, Nebraska.
- Greene, E.A., C.L. Sowards, and E.W. Hansmann, 1990. *Reconnaissance Investigation of Water Quality, Bottom Sediment, and Biota Associated with Irrigation Drainage in the Angostura Reclamation Unit, Southwestern South Dakota, 1988-89*. Water Resources Investigation Report 90-4152. U.S. Geological Survey, Rapid City, South Dakota.
- Gries, J.P., 1996. *The Roadside Geology of South Dakota*. Mountain Press: Missoula, Montana.
- Haberman, T.W., 1983. "Historic Aspects of the Dirt Lodge Village Site in Spink County, South Dakota." *South Dakota Archeology*. Vol. 7, pp.35-62.
- Hampton, D. R., 1998. *A Survey of the Fishes and Habitat of the Cheyenne River in South Dakota*. M.S. Thesis. South Dakota State University, Brookings, South Dakota.
- Hannus, L.A., 1986. "Report on 1985 Test Excavations at the Ray Long Site (39FA65), Angostura Reservoir, Fall River County, South Dakota." *South Dakota Archaeology* 10:48-104.
- Hannus, L. A., R P. Winham, and T.V. Gillen, 1993. *Final Report 1992 Archeological-Geomorphological Investigations at the Ray Long Site (39FA65) Angostura Reservoir, South Dakota*. Augustana College, Archaeology Laboratory, Sioux Falls, South Dakota.
- Hassrick, R.B., 1964. *The Sioux—Life and Customs of a Warrior Society*. University of Oklahoma Press: Norman, Oklahoma.
- Haug, J.K., D. Byrne, L. May, B. Rhodd, and R. Williams, 1987. *The Results of the 1985 Cultural Resources Inventory at Angostura Reservoir*. South Dakota Archaeological Research Center Contract Investigations Series No. 211. Rapid City, South Dakota.
- Haug, J.K., R. Wardlow, and R. Williams, 1992. *The Results of the 1987 National Register of Historic Places Evaluations at Angostura Reservoir, South Dakota*. South Dakota Archaeological Research Center Contract Investigations Series No. 776. Rapid City, South Dakota.
- Heakin, A.J., 1998. *Water Quality Trends for the Cheyenne and Moreau Rivers, Cheyenne River Indian Reservation, South Dakota, 1972-94*. Water Resources Investigation Report 98-4092. U.S. Geological Survey, Rapid City, South Dakota.
- Hem, J.D., 1985. *Study and Interpretation of the Chemical Characteristics of Natural Water*. U.S. Geological Survey Water Supply Paper 2254. U.S. Government Printing Office: Washington, DC.
- Hodorff, R.A., C.H. Sieg, and R.L. Linder, 1988. "Wildlife Response to Stand Structure of Deciduous Woodlands." *Journal of Wildlife Management* 52:667-673.

-
- Hoof, M.M., 1998. *Cheyenne River Impact Study, Pine Ridge Reservation, Pine Ridge, South Dakota*. Oglala Lakota Nation Water Resource Department, Pine Ridge, South Dakota.
- Houtcooper, W.C., Finck, E.J., and Ostroff, A., 1985. "Rare Animals and Plants of South Dakota." *The Prairie Naturalist*. 17(3).
- Howard, J., 1980. *The Dakota or Sioux Indians: A Study in Human Ecology*. J&L Reprint Company: Lincoln, Nebraska.
- Hughes, J.T., 1949. "Investigations in Western South Dakota and Northwestern Wyoming." *American Antiquity* 14:266-277.
- Johnsgard, P.A., 1979. *Birds of the Great Plains: Breeding Species and Their Distribution*. University of Nebraska Press: Lincoln, Nebraska.
- Johnson, J.R., and J.T. Nichols, 1982. *Plants of South Dakota Grasslands: A Photographic Study*. Agricultural Experiment Station Bulletin 566. South Dakota State University, Brookings, South Dakota.
- Johnson, W.C, R.L. Burgess, and W.R. Keammerer, 1976. "Forest Overstory Vegetation and Environment on the Missouri River Floodplain in North Dakota. *Ecological Monographs* 46(1):59-84.
- Johnson, W.C., 1992. "Dams and Riparian Forests: Case Study from the Upper Missouri River." *Rivers* 3(4):229-242.
- _____, 1998. "Adjustment of Riparian Vegetation to River Regulation in the Great Plains, USA." *Wetlands* 18(4):608-618.
- Kangas, J., 1998. *Letter Format Report for Consultation Under the National Historic Preservation Act for the 1998 5.5 Lateral Improvement Project in the Angostura Irrigation District, Fall River County, South Dakota*. SARC No. BLH0152. South Dakota Archeological Center, Rapid City, South Dakota.
- Knopf, F.L., and B. Miller, 1994. "Charadrius montanus: Montane, Grassland, or Bare-Ground Plover?" *Auk* 111: pp 504-506.
- Kindscher, K., 1996. *Medicinal Wild Plants of the Prairie—An Ethnobotanical Guide*. University of Kansas Press: Lawrence, Kansas.
- Lowe, T.P., T.W. May, W.G. Brumbaugh, and D.A. Kane, 1985. "National Contaminant Biomonitoring Program: Concentrations of Seven Elements in Freshwater Fish, 1978-81. *Archives of Environmental Contamination and Toxicology*, 14:363-388.
- Lippincott, K., 1996. *A Late Prehistoric Period Pronghorn Hunting Camp in the Southern Black Hills, South Dakota: Site 39FA23*. No. 11, Special Publication of the South Dakota Archaeological Society in cooperation with the Bureau of Reclamation, Bismarck, North Dakota.

-
- Martin, T.E., and D.M. Finch, 1995. "Introduction: Importance of Knowledge and its Application in Neotropical Migratory Birds." In *Ecology and Management of Neotropical Migratory Birds: A Synthesis and Review of Critical Issues*. T.E. Martin and D. M. Finch, eds., Oxford University Press: New York, New York.
- Messerli, T., 1986. *Cultural Resource Survey of a Department of Transportation Road Project: The Oral Road in Fall County, South Dakota*. SARC No. AFA0132. South Dakota State Archaeological Research Center Contract Investigations Series No. 176. Rapid City, South Dakota.
- Miller, P., 1981. *Intensive Archaeological Surveys for 1981 Projects of Pioneer, Indian, and Cottonwood Cooperative Grazing Districts, Fall River County, South Dakota*. Prepared for Pioneer, Indian, and Cottonwood Cooperative Grazing Districts. Archaeological Associates, Rapid City, South Dakota.
- Miller, P., and G. Crossan, 1981. *Archaeological Survey of the Soil Conservation Service's Lateral 7.2A, Fall River County, South Dakota*. SARC No. AFA0060. Prepared for the U.S. Soil Conservation Service, Fall River County, South Dakota. Archaeological Associates, Rapid City, South Dakota.
- Milne, L.J., and M. Milne, 1980. *Insect Worlds: A Guide for a Man on Making the Most of the Environment*. Charles Scribner's Sons: New York, New York.
- Morris, L., L. Morris, and L. Witt, 1974. *The Fisheries of Nebraska*. Nebraska Game and Parks Commission, Lincoln, Nebraska.
- Mosconi, S.L., and R.L. Hutt, 1982. "The Effect of Grazing on the Land Birds of a Western Montana Riparian Habitat." In *Wildlife-Livestock Relationships Symposium: Proceedings 10*. J.M. Peek and P.D. Dalke, eds. Forest, Wildlife and Range Experiment Station, Moscow, Idaho.
- Noisat, B., 1992. *The Level III Cultural Resources Inventory of the Taylor/Trust for Public Lands Project, Buffalo Gap National Grasslands, Fall River Ranger District, Custer and Fall River Counties, South Dakota*. SARC No. WSD0117. Prepared for the U.S. Forest Service. Dakota Research Services, Rapid City, South Dakota.
- Pais, I., and J.B. Jones, 1997. *The Handbook of Trace Elements*. St. Lucie Press: Boca Raton, Florida.
- Plateau Ecosystems Consulting, Inc., 1998. *Aquatic Ecological Survey of the Moreau and Cheyenne Rivers, South Dakota, 1997*. Arvada, Colorado.
- Pflieger, W.L., 1975. *The Fishes of Missouri*. Missouri Department of Conservation, Jefferson City, Missouri.
- Poff, N.L., J.D. Allan, M.B. Bain, J.R. Karr, K.L. Prestegard, B.D. Richter, R.E. Sparks, and J.C. Stromberg, 1997. "The Natural Flow Regime—a Paradigm for River Conservation and Restoration." *BioScience* 47(11):769-784.

-
- Quivik, F.L., and L. Johnson, 1990. *Historic Bridges of South Dakota*. Prepared for the South Dakota Department of Transportation. Renewable Technologies, Inc., Pierre, South Dakota.
- Rotenberry, J.T., and J.A. Wiens, 1980. "Habitat Structure, Patchiness, and Avian Communities in North American Steppe Vegetation: A Multivariate Analysis." *Ecology* 61:1128-1250.
- Roth, R.R., 1976. "Spatial Heterogeneity and Bird Species Diversity." *Ecology* 57:773-782.
- Rustlund, E., 1952. *Freshwater Fish and Fishing in Native North America*. University of California Publications in Geography 9. University of California Press: Berkeley, California.
- Scott-Brown, J.M., S. Herrero, and J. Reynolds, 1987. "Swift Fox." In *Wild Furbearer Management and Conservation in North America*. M. Novak, ed. Ontario Ministry of Natural Resources, Ontario, Canada.
- Severson, K.E., and C.E. Boldt, 1977. "Problems Associated with Management of Native Woody Plants in the Western Dakotas." In *Proceedings of Sixth Wyoming Shrub Ecology Workshop*. K.L. Johnson, ed. University of Wyoming, Laramie, Wyoming.
- Shacklette, H.T., and J.G. Boerngen, 1984. *Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States*. U.S. Geological Survey Professional Paper 1270. U.S. Government Printing Office: Washington, DC.
- Sieg, C.H., 1991. *Rocky Mountain Juniper Woodlands: Year Round Avian Habitat*. U.S. Forest Service Research Paper RM-296. Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colorado.
- Schmidt, C.J., and W.G. Brumbaugh, 1990. "National Contaminant Biomonitoring Program: Concentrations of Arsenic, Cadmium, Copper, Lead, Mercury, Selenium, and Zinc in Freshwater Fish, 1976-84." *Archives of Environmental Contamination and Toxicology*. 19: 731-747.
- Schlesier, Karl ed., 1994. *Plains Indians A.D. 500-1500: The Archaeological Past of Historic Groups*. University of Oklahoma Press: Norman, Oklahoma.
- Smith, I.C., and B.L. Carson, 1997. "Fish in Minimata Bay." *Contaminants in the Environment, Vol. I-Thallium*. Ann Arbor Science: Ann Arbor, Michigan.
- South Dakota Department of Environment and Natural Resources, 1996. *Clean Lakes Report*. Pierre, South Dakota.
- _____, 1998. "South Dakota Surface Water Quality Standards for Toxic Pollutants: ARSD 74:51:01." *Water Pollution Control Program: Approved Test Procedures*. Pierre, South Dakota.
- South Dakota Department of Fish, Game, and Parks, 1992. *Annual Visitation Reports*. Division of Parks and Recreation, Pierre, South Dakota.

-
- South Dakota Department of Fish, Game, and Parks, 1997. *Annual Visitation Reports*. Division of Parks and Recreation, Pierre, South Dakota.
- South Dakota State Data Center, 1997. *County Population Projections*. Business Research Bureau, University of South Dakota, Vermillion, South Dakota.
- Stanford, J.A., J.V. Ward, W.J. Liss, C.A. Frissell, R.N. Williams, J.A. Lichatowich, and C.C. Coutant, 1996. "A General Protocol for Restoration of Regulated Rivers." *Research and Management* 12:391-413.
- Stueven, E., and W.C. Stewart, 1996. *1995 South Dakota Lakes Assessment Final Report*. South Dakota Department of Environment and Natural Resources, Pierre, South Dakota.
- Sundstrom, L., 1996. *Black Hill National Forest Cultural Resources Overview: Native American Traditional Properties*. L. Rom, T. Church, and M. Church, eds. U.S. Forest Service, Custer, South Dakota.
- Sundstrom, L., and J. Keyser, 1984. *Rock Art of Western South Dakota, the North Cave Hills and the Southern Black Hills*. SARC No. RNL0019. Special publication of the South Dakota Archaeological Society, Rapid City, South Dakota.
- Thompson, I., 1982. *National Audubon Society Field Guide to North American Fossils*. Alfred A. Knopf: New York, New York.
- Uresk, D.W., 1982. "Importance of Woodlands to Wildlife and Livestock Use on the Northern High Plains." In *Proceedings of the Great Plains Agricultural Council*, North Platte, Nebraska.
- Uresk, D.W., and C.E. Boldt, 1986. "Effect of Cultural Treatments on Regeneration of Native Woodlands on the Northern Great Plains." *Prairie Naturalist* 18:193-202.
- U.S. Army Corps of Engineers, 2001. *National Inventory of Dams* (<http://crunch.tec.army.mil/nid/webpages/nid.cfm>).
- U.S. Bureau of Indian Affairs, 1991. *Labor Market Information on the Indian Labor Force*. Washington, DC.
- _____, 1995. *Labor Market Information on the Indian Labor Force*. Washington, DC.
- _____, 1997. *Labor Market Information on the Indian Labor Force*. Washington, DC.
- U.S. Bureau of Reclamation, 1962. *Reservoir Sedimentation Guideline*. Denver, Colorado.
- _____, 1981. *Angostura Reservoir Recreational Use*. Denver, Colorado.
- _____, 1982. *Revision of the Procedure to Compute Sediment Distribution in Large Reservoirs*. Denver, Colorado.

U.S. Bureau of Reclamation, 1988. *Biological Assessment of Prairie Bend Unit on Whooping Crane, Interior Least Tern, Piping Plover, Bald Eagle, Peregrine Falcon, Eskimo Curlew, and Black-footed Ferret*. Billings, Montana.

_____, 1995. *Angostura Irrigation District Payment Capacity Study*. Denver, Colorado.

_____, 1996. *Angostura Reservoir Resource Appraisal Report*. Bismarck, North Dakota.

_____, 1998. Unpublished Data. Denver, Colorado.

U.S. Department of Commerce, 1990. *1990 Census of Population and Housing*. Bureau of Census, Washington, DC.

_____, 1992. *Census of Agriculture: Part 41, South Dakota*. Bureau of Census, Washington, DC.

_____, 1996. *Regional Economic Information Systems, 1969-1995*. Bureau of Census, Washington, DC.

_____, 1997. *Interim Population Estimates*. Bureau of Census, Washington, DC.

_____, 1998. *Regional Economic Information System*. Bureau of Economic Analysis, Washington, DC.

_____, 2000. *2000 Census of Population and Housing*. Bureau of Census, Washington, DC.

U.S. Department of Labor, 1980. *Local Area Unemployment Statistics*. Washington, DC.

_____, 1990. *Local Area Unemployment Statistics*. Washington, DC.

_____, 1999. *Local Area Unemployment Statistics*. Washington, DC.

U.S. Environmental Protection Agency, 1996. *Drinking Water Regulations and Health Advisories*. EPA 822-B-96-002. Washington, DC.

_____, 1998. *Consideration of Cumulative Impacts in EPA Review of NEPA Documents*. Washington, DC.

_____, 1999. *Guidance for Assessing Chemical Contaminant Data for Use in Fish Advisories: Vol. 1, Fish Sampling and Analysis*. 3rd Ed. Draft. EPA-823-R-99-007. Washington, DC.

U.S. Fish and Wildlife Service, 1988. *Endangered Species Technical Bulletin*. Vol. XIII, Nos. 11-12. Washington, DC.

U.S. Fish and Wildlife Service, 1992. *National Survey of Fishing, Hunting, and Wildlife-Associated Recreation*. Washington, DC.

-
- U.S. Forest Service, 1989. *Caring for Our Natural Community: Region I-Threatened, Endangered, and Sensitive Species Program*. Fort Collins, Colorado.
- U.S. Geological Survey, 1998. *Water-Data Report SD-98-1*. Water Resources Data: South Dakota Water Year 1998. Rapid City, South Dakota.
- U.S. Natural Resources Conservation Service, 1996. *Supplemental Environmental Assessment/Finding of No Significant Impact for the Fall River Users System: North and South Units, Fall River County, South Dakota*. Huron, South Dakota.
- U.S. Nuclear Regulatory Commission, 1982. *Final Environmental Impact Statement Related to the Decommissioning of the Edgemont Uranium Mill*. Tennessee Valley Authority Docket No. 40-1341. Washington, DC.
- U.S. Surface Transportation Board, 2001. *Executive Summary: Draft Environmental Impact Statement: Construction Into the Powder River Basin: Powder River Basin Expansion Project*. Washington, DC.
- Vallejo, R., 1989. *A Level III Cultural Resources Inventory of Bell-Ayre, Rittenberger Pipeline Extensions and the Mike Dam Project in Custer County, South Dakota. Project 07-05-89-10*. SARC No. PFP0088. Unpublished manuscript. Nebraska National Forest, Chadron, Nebraska.
- Wheeler, R.P., 1995. *Archaeological Remains in Three Reservoir Areas in South Dakota and Wyoming. Part I: Archeological Remains in the Angostura Reservoir Area, South Dakota*. J.L. Reprints in Anthropology, Vol. 46. Lincoln, Nebraska.
- White, R.E., 1983. *A Field Guide to the Beetles of North America*. Houghton-Mifflin: Boston, Massachusetts.
- White, T.E., and J.T. Hughes, 1948. "A Preliminary Appraisal of the Physiographic History of Horsehead Creek in the Vicinity of 39FA65." Unpublished manuscript. South Dakota Archaeological Research Center, Rapid City, South Dakota.
- Willson, M.F., 1974. "Avian Community Organization and Habitat Structure." *Ecology* 55:1017-1029.
- Winham, R.P., and L A. Hannus, 1991. *South Dakota State Plan for Archaeological Resources: Introduction and Overview to Historic Contexts and Archaeological Management Regions for Research Planning*. South Dakota Archaeological Research Center, Rapid City, South Dakota.
- Winham, R.P., K. Lippincott, and E.J. Lueck, 1988. *Cultural Resources Reconnaissance Along the Cheyenne River Arm of Lake Oahe in Dewey, Haakon, Stanley and Ziebach Counties, South Dakota, Volume I, Main Report*. Prepared for the U.S. Army Corps of Engineers. Archaeology Laboratory of the Center For Western Studies, Augustana College, Sioux Falls, South Dakota.

Attachment 1: Fish Stocked in the Reservoir

Stocked (year)	Species	Size	Number
1951	channel catfish	fingerling	2,900
	largemouth bass	fingerling	10,000
	northern pike	fry	264,000
	rainbow trout	fingerling	20,000
	walleye	fry	660,000
1952	channel catfish	fingerling	1,012
	largemouth bass	adult	251
	rainbow trout	fingerling	89,000
	rainbow	fry	23,400
1953	black bullhead	adult	2,500
	brown trout	fry	48,000
	rainbow trout	fingerling	9,000
	walleye	fry	968,000
	black crappie	adult	10,000
	bluegill	adult	2,000
	fathead minnow	adult	2,500
	largemouth bass	adult	500
	yellow perch	adult	5,000
	black bullhead	adult	2,500
1954	northern pike	adult	140
	rainbow trout	fingerling	31,760
	walleye	fry	759,000
1955	rainbow trout	fingerling	9,960
	walleye	fry	1,232,000
1956	northern pike	fry	35,000
	rainbow trout	fingerling	9,960
	walleye	fry	250,000
1962	northern pike	fry	1,065,800

Stocked (year)	Species	Size	Number
1964	northern pike	fry	1,021,000
	walleye	fry	1,570,000
1965	walleye	fingerling	103,600
1967	walleye	fry	24,080
1969	walleye	fingerling	200,500
1971	smallmouth bass	fingerling	50,000
1972	smallmouth bass	fingerling	85,000
1978	spottail shiner	adult	8,500
	yellow perch	fingerling	1,500
1983	walleye	fingerling	190,000
1987	largemouth bass	fingerling	40,000
	walleye	fingerling	250,000
1988	largemouth bass	fingerling	91,300
1989	largemouth bass	fingerling	252,900
1990	emerald shiner	adult	450
	gizzard shad	adult	310
	walleye	fingerling	99,764
1991	gizzard shad	adult	15
	walleye	fingerling	248,280
	largemouth bass	fingerling	48,000
1992	gizzard shad	adult	300
	walleye	fingerling	235,000
1993	largemouth bass	fingerling	150,000
	walleye	fingerling	235,000
1994	gizzard shad	adult	43
	largemouth bass	fingerling	167,870
1995	largemouth bass	fingerling	100,000
	walleye	fingerling	204,555
1996	largemouth bass	fingerling	135,387
	walleye	fingerling	354,070
1997	walleye	fingerling	100,150

Attachment 2: Plant Species in the Angostura Area

Scientific Name	Common Name
Grasses	
<i>Agropyron smithii</i>	western wheatgrass
<i>Agropyron cristatum</i>	crested wheatgrass
<i>Andropogon scoparius</i>	little bluestem
<i>Andropogon gerardii</i>	big bluestem
<i>Aristida obliquantha</i>	prairie threeawn
<i>Bouteloua gracilis</i>	blue gramma
<i>Bouteloua curtipendula</i>	sideoats gramma
<i>Bromus inermis</i>	smooth brome
<i>Bromus tectorum</i>	cheatgrass brome
<i>Bromus japonicus</i>	japanese brome
<i>Buchloe dactyloides</i>	buffalograss
<i>Danthonia spicata</i>	oatgrass
<i>Distichlis spicata</i>	saltgrass
<i>Koeleria pyramidalata</i>	junegrass
<i>Muhlenbergia spp.</i>	muhley species
<i>Oryzopsis spp.</i>	ricegrass species
<i>Oryzopsis asperifolia</i>	rough ricegrass
<i>Panicum spp.</i>	panic grass
<i>Phleum pratense</i>	timothy
<i>Poa spp.</i>	bluegrass species
<i>Schizachyrium scoparium</i>	little bluestem
<i>Sitanion hystrix</i>	squirreltail
<i>Sporobolus heterolepsis</i>	prairie dropseed
<i>Sporobolus cryptandrus</i>	sand dropseed
<i>Stipa viridula</i>	green neddlegrass
<i>Stipa comata</i>	needle and threadgrass

Scientific Name	Common Name
Grass-Like	
<i>Carex heliophila</i>	sandsedge sedge
<i>Carex filifolia</i>	threadleaf sedge
<i>Equisetum spp.</i>	horsetail species
Forbs	
<i>Achillea millefolium</i>	western yarrow
<i>Allium spp.</i>	onion
<i>Ambrosia psilotachya</i>	western ragweed
<i>Anemone patens</i>	pasque flower
<i>Antennaria neglecta</i>	field pussytoes
<i>Apocynum androsaemifolium</i>	dogbane
<i>Aralia nudicaulis</i>	sassparilla
<i>Artemisia ludoviciana</i>	Louisiana sagewort
<i>Aster spp.</i>	aster species
<i>Astragalus spp.</i>	milkvetch species
<i>Bidens spp.</i>	beggar's tick
<i>Campanula rotundifolia</i>	bluebell
<i>Cirsium arvense</i>	Canada thistle
<i>Cirsium spp.</i>	thistle species
<i>Cynoglossum officinale</i>	hounds tongue
<i>Dalea enneandra</i>	bigtop dalea
<i>Dodecatheon pulchellum</i>	southern shooting star
<i>Echinacea angustifolia</i>	purple coneflower
<i>Erigeron spp.</i>	fleabane species
<i>Eriogonum spp.</i>	buckwheat species
<i>Euphorbia marginata</i>	snow-on-the-mountain species
<i>Fragaria virginiana</i>	strawberry
<i>Galium spp.</i>	bedstraw species
<i>Glycyrrhiza lepidota</i>	American licorice
<i>Grindelia squarrosa</i>	curlycup gumweed
<i>Gaurea coccinea</i>	scarlet gaura
<i>Helianthus annuus</i>	common sunflower
<i>Lathyrus ochroleucus</i>	sweetpea
<i>Leucocrinum montanum</i>	common starlily

Scientific Name	Common Name
<i>Liatris spp.</i>	gay feather
<i>Lygodesmia juncea</i>	rush skeletonplant
<i>Maianthemum canadense</i>	wild lily of the valley
<i>Melilotus officinalis</i>	yellow sweet clover
<i>Monarda fistulosa</i>	horsemint
<i>Oenothera caespitosa</i>	stemless evening primrose
<i>Oxytropis spp.</i>	crazyweed species
<i>Petalostemon purpureum</i>	purple prairie clover
<i>Petalostemon candidum</i>	white prairie clover
<i>Petalostemon spp.</i>	prairie clover species
<i>Phlox hoodii</i>	hoods phlox
<i>Plantago spp.</i>	plantain species
<i>Potentilla spp.</i>	potentilla species
<i>Psoralea spp.</i>	scurfpea species
<i>Psoralea tenuiflora</i>	slimflower scurfpea
<i>Psoralea eseculenta</i>	common breadroot scurfpea
<i>Psoralea argophylla</i>	silverleaf scurfpea
<i>Ratbida columnifera</i>	upright prairie cornflower
<i>Rudbeckia hirta</i>	blackeyed susan
<i>Scrophularia lanceolata</i>	figwort
<i>Smilacina stellata</i>	false solomon's seal
<i>Solidago spp.</i>	goldenrod
<i>Sphaeralcea coccinea</i>	scarlet globemallow
<i>Stellaria media</i>	chickweed
<i>Taraxacum officinale</i>	dandelion
<i>Thermopsis rhombifolia</i>	goldenpea
<i>Tragopogon dubius</i>	salsify species
<i>Trifolium spp.</i>	clover
<i>Verascum thapsus</i>	velvet mullen
<i>Vicia spp.</i>	vetch species
<i>Vilia americana</i>	American vetch
<i>Viola spp.</i>	violet species
<i>Zigadenus spp.</i>	deathcamus species

Scientific Name	Common Name
Trees and Shrubs	
<i>Amelanchier alnifolia</i>	servoceberry
<i>Amorpha canescens</i>	lead plant
<i>Arctostaphylos uva-ursi</i>	kinnikinnik
<i>Artemisia carruthii</i>	silver sagebrush
<i>Artemisia filifolia</i>	sand sagebrush
<i>Artemisia frigida</i>	fringed sage
<i>Artemisia ludoviciana</i>	Louisiana sagebrush
<i>Artemisia spp.</i>	sagebrush species
<i>Artemisia tridentata</i>	big sagebrush
<i>Atriplex gardneri</i>	nuttail saltbrush
<i>Betula papyrifera</i>	birch
<i>Chrysothamnus nauseosus</i>	rubber rabbitbrush
<i>Crataegus spp.</i>	hawthorn species
<i>Eurotia lanata</i>	common winterfat
<i>Gutierrezia sarothrae</i>	broom snakeweed
<i>Juniperus communis</i>	common juniper
<i>Juniperus scopulorum</i>	rocky mountain juniper
<i>Opuntia polycantha</i>	plains pricklypear cactus
<i>Prunus americana</i>	American plum
<i>Prunus virginiana</i>	common chokecherry
<i>Rhus trilobata</i>	skunkbush sumac
<i>Ribes spp.</i>	gooseberry
<i>Rosa woodsii</i>	wild rose
<i>Rubus idaeus</i>	red raspberry
<i>Salix spp.</i>	willow species
<i>Sarobatus vermiculatus</i>	greasewood species
<i>Sheperdia argenta</i>	silver buffaloberry
<i>Spiraea betulifolia</i>	wild spiraea
<i>Symphoricarpos occidentalis</i>	western snowberry
<i>Yucca glauca</i>	small yucca

Attachment 3: Wildlife Species in the Angostura Area

Scientific Name	Common Name
Mammals	
<i>Antilocapra americana</i>	American pronghorn
<i>Canis latrans</i>	coyote
<i>Castor canadensis</i>	beaver
<i>Cynomys ludovicianus</i>	black-tailed prairie dog
<i>Dipodomys ordi</i>	Ord's kangaroo rat
<i>Erethizon dorsatum</i>	porcupine
<i>Felis rufus</i>	bobcat
<i>Geomys bursarius</i>	plains pocket gopher
<i>Lepus townsendi</i>	white-tailed jackrabbit
<i>Mephitis mephitis</i>	striped skunk
<i>Microtus ochrogaster</i>	prairie vole
<i>Mus musculus</i>	house mouse
<i>Mustela nigripes</i>	black-footed ferret
<i>Myotis thysanodes</i>	fringe-tailed bat
<i>Odocoileus virginianus</i>	white-tailed deer
<i>Odocoileus hemionus</i>	mule deer
<i>Ondatra zibethica</i>	muskrat
<i>Onychomys leucogaster</i>	northern grasshopper mouse
<i>Perognathus hispidus</i>	hispid pocket mouse
<i>Perognathus fasciatus</i>	Wyoming pocket mouse
<i>Peromyscus maniculatus</i>	deer mouse
<i>Plecotus townsendi</i>	Townsend's big-ear bat
<i>Procyon lotor</i>	raccoon
<i>Rattus norvegicus</i>	Norway rat
<i>Reithrodontomys megalotis</i>	western harvest mouse
<i>Sorex nanus</i>	least shrew

Scientific Name	Common Name
Mammals (continued)	
<i>Spermophilus tridecemlineatus</i>	thirteen-lined ground squirrel
<i>Spilogale putorius</i>	plains spotted skunk
<i>Sylvilagus species</i>	cottontail
<i>Taxidea taxus</i>	American badger
<i>Vulpes velox</i>	swift fox
<i>Vulpes vulpes</i>	red fox
Birds	
<i>Accipiter gentilis</i>	northern goshawk
<i>Accipiter cooperii</i>	copper's hawk
<i>Accipiter striatus</i>	sharp-shinned hawk
<i>Actitis macularia</i>	spotted sandpiper
<i>Aechmophorus occidentalis</i>	western grebe
<i>Aechmophorus occidentalis</i>	red-winged blackbird
<i>Ammodramus savannarum</i>	grasshopper sparrow
<i>Ammodramus bairdii</i>	Baird's sparrow
<i>Anas discors</i>	blue-winged teal
<i>Anas cyanoptera</i>	cinnamon teal
<i>Anas platyrhynchos</i>	mallard
<i>Anas americana</i>	American widgeon
<i>Anas acuta</i>	northern pintail
<i>Anas strepera</i>	gadwall
<i>Anas clypeata</i>	northern shoveler
<i>Anas crecca</i>	green-winged teal
<i>Anthus spinoletta</i>	water pipit
<i>Aquila chrysaetos</i>	golden eagle
<i>Ardea herodias</i>	great-blue heron
<i>Asio flammeus</i>	short-eared owl
<i>Athene cunicularia</i>	burrowing owl

Scientific Name	Common Name
Birds (continued)	
<i>Aythya americana</i>	redhead
<i>Aythya Valisineria</i>	canvasback
<i>Bartramia longicauda</i>	upland sandpiper
<i>Botaurus lentiginosus</i>	American bittern
<i>Branta canadensis</i>	Canada goose
<i>Bubo virginianus</i>	great horned owl
<i>Buteo jamaicensis</i>	red-tailed hawk
<i>Buteo regalis</i>	ferruginous hawk
<i>Buteo lagopus</i>	rough-legged hawk
<i>Buteo lineatus</i>	red-shouldered hawk
<i>Buteo swainsoni</i>	swainson's hawk
<i>Calamospiza melanocorys</i>	lark bunting
<i>Calcarius ornatus</i>	chestnut-collared larkspur
<i>Carduelis tristis</i>	American goldfinch
<i>Cathartes aura</i>	turkey vulture
<i>Centrocercus urophasianus</i>	sage grouse
<i>Charadrius montanus</i>	mountain plover
<i>Charadrius vociferus</i>	killdeer
<i>Chilidonias niger</i>	black tern
<i>Chondestes grammacus</i>	lark sparrow
<i>Chordeiles minor</i>	nighthawk
<i>Circus cyaneus</i>	northern harrier
<i>Coccyzus americanus</i>	yellow-billed cuckoo
<i>Coccyzus erythrophthalmus</i>	black-billed cuckoo
<i>Colaptes auratus</i>	northern flicker
<i>Columba livia</i>	rock dove
<i>Corvus brachyrhynchos</i>	American crow
<i>Cygnus buccinator</i>	trumpeter swan
<i>Dendroica petechia</i>	yellow warbler

Scientific Name	Common Name
Birds (continued)	
<i>Eremophila alpestris</i>	horned lark
<i>Falco sparverius</i>	American kestrel
<i>Falco columbarius</i>	merlin
<i>Falco mexicanus</i>	prairie falcon
<i>Falco peregrinus</i>	peregrine falcon
<i>Fulica americana</i>	American coot
<i>Geothlypis trichas</i>	common yellowthroat
<i>Grus canadensis</i>	sandhill crane
<i>Haliaeetus leucocephalus</i>	bald eagle
<i>Hirundo pyrrhonota</i>	cliff swallow
<i>Hirundo rustica</i>	barn swallow
<i>Icterus spurius</i>	orchard oriole
<i>Icterus galbula</i>	bullock's oriole
<i>Lanius ludovicianus</i>	loggerhead shrike
<i>Larus delawarensis</i>	ring-billed gull
<i>Lophodytes cucullatus</i>	hooded merganser
<i>Meleagris gallopavo</i>	wild turkey
<i>Mergus merganser</i>	common merganser
<i>Molothrus ater</i>	brown-headed cowbird
<i>Numenius americanus</i>	long-billed curlew
<i>Oreoscoptes montanus</i>	sage thrasher
<i>Oxyura jamaicensis</i>	ruddy duck
<i>Pandion haliaetus</i>	osprey
<i>Passer domesticus</i>	house sparrow
<i>Passerculus sandwichensis</i>	savannah sparrow
<i>Phalaropus tricolor</i>	wilson's phalarope
<i>Phasianus colchicus</i>	ring-necked pheasant
<i>Pica pica</i>	black-billed magpie
<i>Pipilo erythrophthalmus</i>	rufous-sided towhee

Scientific Name	Common Name
Birds (continued)	
<i>Podiceps nigricollis</i>	eared grebe
<i>Podilymbus podiceps</i>	pied-billed grebe
<i>Pooecetes gramineus</i>	vesper sparrow
<i>Quiscalus quiscula</i>	common grackle
<i>Recurvirostra americana</i>	American avocet
<i>Salpinctes obsoletus</i>	rock wren
<i>Sayornis saya</i>	say's phoebe
<i>Sialia currucoides</i>	mountain bluebird
<i>Spizella breweri</i>	brewer's sparrow
<i>Stelgidopteryx serripennis</i>	north rough-winged swallow
<i>Sterna hirundo</i>	common tern
<i>Sterna antillarum</i>	least tern
<i>Sturnella neglecta</i>	western meadowlark
<i>Sturnus vulgaris</i>	European starling
<i>Tosostoma rufuma</i>	brown thrasher
<i>Troglodytes edon</i>	house wren
<i>Turdus vertic migratorius</i>	robin
<i>Tympanuchus phasianellus</i>	sharp-tailed grouse
<i>Tyrannus alis</i>	western kingbird
<i>Tyrannus tyrannus</i>	eastern kingbird
<i>Tyto alba</i>	barn owl
<i>Xanthocephalus xanthocephalus</i>	yellow-headed balckbird
<i>Zenaida macroura</i>	mourning dove
Reptiles and Amphibians	
<i>Ambystoma tigrinum</i>	blotched tiger salamander
<i>Bufo woodhousii</i>	Woodhouse's toad
<i>Lampropeltis triangulum</i>	pale milk snake
<i>Rana pipiens</i>	northern leopard frog
<i>Trionys spiniferus</i>	spiny-softshell turtle

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U.S. Department of the Interior
Mission Statement

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to tribes.

Bureau of Reclamation
Mission Statement

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

