4.1 CONSULTATION

4.1.1 PUBLIC PARTICIPATION SUMMARY

Chapter 2 details the public participation to date. The initial scoping document (Project Record) was sent on February 2, 2004 to approximately 91 individuals, government agencies, tribal governments, news media, businesses, and organizations that have shown interest in similar projects on the Custer National Forest. The public comment period ended on May 1, 2004. A legal advertisement inviting comments was placed in the Billings Gazette (Billings, MT) in February 2, 2004, summarizing the information provided in the document. News releases were sent to local newspapers.

Public meetings were held in Red Lodge, Pryor, Bridger, Billings, and Columbus, Montana and Lovell, Wyoming in February 2004 to discuss the scoping document. Public meetings were also held in Red Lodge, Bridger, Billings, and Columbus, Montana and Lovell, Wyoming in July 2006.

Seven collaboration meetings were held over a period of four months in early 2007 (January through April). The attendance at the collaboration sessions ranged from 65 to 159 individuals. The attendees worked together during these seven half day sessions reviewing information and maps to identify points of agreement. While no specific collaborative alternative was developed, several points of agreement on roads and trails were reached (see Table 2-1).

In response to these efforts, over 5000 letters, personal comments, or phone calls were received. Collaborative group session information was documented and reviewed. The analysis of electronic, written and verbal comments preliminarily identified several potential issues. Some of these issues were identified as significant issues and were used to formulate many elements of the alternatives.

The Draft EIS was published in the Federal Register October 5, 2007 which began a 60 day comment period (original 45 day comment period with a 15 day extension). Also, a news release was provided to local news media at the beginning of the comment period. The Draft EIS was made available to interested parties identified in the updated EIS mailing list. In response to the comment period, over 500 letters, personal comments, or phone calls were received. A content analysis of the comments was conducted and response to comments is found in Chapter 5.

4.1.2 CONSULTATION WITH OTHERS

The following agencies were consulted during preparation of the EIS:

U.S. Fish and Wildlife Service Montana Department of Fish, Wildlife, and Parks Bureau of Land Management

Coordination with the Crow Tribe has been ongoing in the form of the original project scoping letter, public meetings, agency meetings, letter correspondences and proposed/scheduled field trips which

outlined the proposed project specifics and requested any concerns that they may have regarding cultural resources or traditional cultural properties. This coordination effort is intended to insure that any tribal concerns or comments are addressed throughout the NEPA process in regards to ARPA, AIRFA, NAGPRA and/or Bulletin 38 issues.

4.2 DISTRIBUTION

This document has been distributed in hardcopy or electronic format to individuals that have expressed an interest in the project and receiving this document, and to the officials, agencies, firms, and organizations listed below

U.S. Federal Officials

Honorable Denny Rehberg – Congressman Honorable John Tester – Senator Honorable Max Baucus - Senator

U.S. Federal Agencies

Advisory Council on Historic Preservation USDA APHIS PPD/EAD Natural Resources Conservation Service

USDA National Agricultural Library U.S. Army Corps of Engineers, Northwestern Division

Environmental Protection Agency

U.S. Department of Interior, Office of Environmental

Policy and Compliance

Northwest Power Planning Council Federal Aviation Administration Federal Highway Administrator U.S. Department of Energy

Native American Tribes

The Crow Tribe

Local Officials

Albert Brown - Carbon County Commissioner David Davidson – Carbon County Commissioner John Prinkki – Carbon County Commissioner Dennis Hoyem – Stillwater County Commissioner Maureen Davey - Stillwater County Commissioner Jerry L. Friend – Stillwater County Commissioner Elaine Allstad – Sweetgrass County Commissioner Lloyd Berg – Sweetgrass County Commissioner Phillip Hathaway - Sweetgrass County Commissioner Larry Lahren - Park County Commissioner Jim Durgan – Park County Commissioner Dick Murphy - Park County Commissioner Bill Kennedy – Yellowstone County Commissioner Jim Reno – Yellowstone County Commissioner John Ostlund – Yellowstone County Commissioner

Libraries

Billings Parmly Library Stillwater County Library Bridger Public Library Red Lodge Carnegie Library

Organizations and Firms

Montana River Action Yellowstone Valley Audubon Society Greater Yellowstone Coalition Montana Native Plant Society Treasure State ATV Association Vovageur Outward Bound Pryor Mountain Wild Mustang Center

Wiley Church

Montana Pilot's Association Billings Rod and Gun Club Capital Trail Vehicle Association Families for Outdoor Recreation Montana Wilderness Association Beartooth Back Country Horsemen Montana Fish, Wildlife, and Parks Beartooth Mountain Christian Ranch Montana Wilderness Association Families for Outdoor Recreation Montana 4X4 Association Treasure State ATV Association Citizens for Balanced Use

International Mountain Bike Association

Outdoors Montana Billings Motorcycle Club American Motorcycle Association Magic City Four Wheelers Park City Recreation Association Frontier Heritage Alliance Montana Snowmobile Association

Treasure State Alliance

Rimrock 4X4 Club

Quiet Trails

Montana Wildlife Federation Stillwater Protective Association Yellowstone River Parks Association Yellowstone Valley Cycling Club Northern Plains Resource Council Montana Multiple Use Association Bench Ranch Guest and Guide Services GeoScience Associates, Inc.

Paint Brush Adventures Benbow ATV Rentals

4.3 LIST OF PREPARERS

The following people prepared the EIS in an interdisciplinary manner.

Babete Anderson, Public Affairs Specialist/Executive Assistant, USDA Forest Service

Contribution: Human Environment

Education: Embry Riddle Aeronautical University, Montana State University-Billings

Experience: 22 years in public information with the USDA, Forest Service.

Mike W. Bergstrom, Zone Archaeologist, USDA Forest Service

Contribution: Cultural Resources; Archeological Resources

Education: B.S., Sociology - Anthropology Option

Experience: 23 years as an archaeologist, 13 years with the USDA Forest Service

Brenda Christensen, Civil Engineer, USDA Forest Service

Contribution: Public Safety; Maintenance and Administration of Roads and Trails; Editing

Education: B.S., Civil Engineering

Experience: 19 years as a Civil Engineer with USDA Forest Service; Registered Professional

Engineer since 1994 in the state of Oregon.

Doug Epperly, Recreation Program Manager, USDA Forest Service

Contribution: Project Leader; Chapters 1 and 2; Implementation and Enforcement; Editing

Education: B.S., Forestry

Experience: 20 years of land management and NEPA experience with the USDA Forest Service; 5

years of land management and NEPA coordination with the US Bureau of Reclamation

Krista Gebert, Regional Economist (Acting), USDA Forest Service

Contribution: Economics

Education: M.A., Economics, B.A., Economics

Experience: Economist with the USDA FS Rocky Mountain Research Station since 1996.

Jeff Gildehaus, Outdoor Recreation Planner, USDA Forest Service

Contribution: Recreation

Experience: 19 years in Recreation with the USDA Forest Service

Mary Gonzales, GIS Specialist, USDA Forest Service

Contribution: Mapping

Education: B.S., Renewable Natural Resources

Experience: 5 years as a GIS Specialist and 15 years as a Culturist with USDA Forest Service

Thomas Highberger, Outdoor Recreation Planner, USDA Forest Service

Contribution: Proposed Action and Alternative Development

Experience: 35 years in Recreation Management with USDA Forest Service

Terry Jones, Range Management Specialist, USDA Forest Service

Contribution: Proposed Action and Alternative Development

Education: B.S., Range Management

Experience: 20 years as a Range Management Specialist with USDA Forest Service

Halcyon LaPoint, Archeologist, USDA Forest Service

Contribution: Cultural Resources; Traditional Cultural Properties

Education: M.A., Anthropology

Experience: 21 years as an Archeologist with USDA Forest Service

John R. Lane, Soil Scientist, USDA Forest Service

Contribution: Soils

Education: B.S. Forest Resource Management; M.S. Soils.

Experience: 21 years as a Soil Scientist with USDA Forest Service, USDA Natural Resource

Conservation Service (Soil Conservation Service), USDI National Park Service, and Private Industry

Mark Nienow, Forest Hydrologist, USDA Forest Service

Contribution: Water Quality Education: B.S., Water Resources

Experience: 20 years as a Hydrologist with USDA Forest Service

Pat Pierson, Geologist, USDA Forest Service

Contribution: Proposed Action and Alternative Development

Education: B. S. Forest Management, B. S. Geology

Experience: 30 years in Natural Resource Management with USDA Forest Service

Barbara Pitman, Wildlife Biologist, USDA Forest Service

Contribution: Wildlife and Habitat

Education: B.S., Geology, and further education in Wildlife Biology Experience: 7 years as Wildlife Biologist with USDA Forest Service

Kim Reid, Range Management Specialist, USDA Forest Service

Contribution: Vegetation Ecology; Weeds; Sensitive Plants; Editing

Education: B.S., Range Management

Experience: 29 years in Range Management, Field Ecology, and Botany with USDA Forest Service

Jeff Stockwell, Fire Management Officer, USDA Forest Service

Contribution: Proposed Action and Alternative Development

Education: B.S. Forestry

Experience: 20 years in Fire Management with USDA Forest Service

Keith Stockmann, Economist, USDA Forest Service

Contribution: Economics

Education: B.A., Economics, M.S., Environmental Studies and Ph.D., Forestry

Experience: 7 years as an Economist with USDA Forest Service

Darin A. Watschke, Fisheries Biologist, USDA Forest Service

Contribution: Fisheries and Aquatics

Education: B.S., Fish and Wildlife Management; M.S., Fisheries Ecology

Experience: 10 years in Fisheries with USDA Forest Service; Fisheries Biologist since 2004.

Allie Wood, Wilderness and Trails, USDA Forest Service

Contribution: Proposed Action and Alternative Development

Education: B.S. Natural Resource Management

Experience: 15 years in Wilderness and Trails Management with USDA Forest Service

Annette Yeager, Natural Resource Specialist, USDA Forest Service

Contribution: Project File Management

Education: B.S. Biology

Experience: 10 years in Natural Resource Management with USDA Forest Service

4.4 REFERENCES

Chapter 2 References

4.4.1 PUBLIC SAFETY

USDA, Forest Service, Engineering Staff, EM 7700-30. December 2005. Guidelines for Engineering Analysis of Motorized Mixed Use on National Forest System Roads.

4.4.2 AIR QUALITY

- USDA Forest Service. 2007. FEIS Travel Management Plan, Response to Comments Air Quality. USDA Forest Service, Gallatin National Forest, Bozeman, MT. 2p.
- Story, M. 2000. Eastside National Forests Air Quality Assessment. USDA Forest Service, Gallatin National Forest, Bozeman, MT. 27p.
- Story, M., K. Schlenker and J. Grenon. 2008. Wilderness Air Quality Value (WAQV) Class 2
 Monitoring Plan Absaroka Beartooth and Lee Metcalf Wilderness, Gallatin, Custer,
 Beaverhead, Shoshone NF and Butte District BLM. USDA Forest Service, Gallatin National
 Forest, Bozeman, MT. 20p.
- MTDEQ. 2005. Citizens Guide to Air Quality in Montana Managing, Maintaining, and Improving Montana's Air Quality. Montana Dept. of Environmental Quality, Helena, MT. 5p.

Chapter 3 References

4.4.3 RECREATION

4.4.3.1 Recreation

- Cordell, H. K., et al, 1999. Outdoor Recreation in American Life: A National Assessment of Demand and Supply Trends. Champaign, Illinois: Sagamore Publications.
- English, Donald B.K, et al, 2002. Forest Service National Visitor Use Monitoring Process: Research Method Documentation. USDA Forest Service. General Technical Report SRS-57, Asheville, NC.
- Holtrop, Joel, 2008. The Impacts of Unmanaged Off-Road Vehicles on Federal Land. Statement Before the United States House of Representatives Committee on Natural Resources. March 13, 2008

- Kocis, Susan M., et al, 2003. Custer National Forest, National Visitor Use Monitoring Results, August 2003. USDA Forest Service.
- Montana Fish, Wildlife, and Parks, 2000. Montana State Trail Plan. Found at: http://fwp.mt.gov/parks/admin/trails.html
- Roper, 2003. Outdoor Recreation in America 2003: Recreation's Benefits to Society Challenged by Trends. Report prepared for the Recreation Roundtable by RoperASW, Inc.
- Roper Starch, 2000. Outdoor Recreation in America 2000: Addressing Key Societal Concerns. Report prepared for the Recreation Roundtable by Roper Starch Worldwide, Inc.
- USDA Forest Service, 2003. National ROS Inventory Mapping Protocol. Washington, DC.
- USDA Forest Service, 1982. ROS User's Guide. Washington, DC.

4.4.3.2 Human Environment

- Cordell, H. K. and others. 1999. Outdoor recreation in American Life: A National Assessment of Demand and Supply Trends. Champaign, Illinois; Sagamore Publications.
- McCool, S. and J. Harris, 1994. The Montana Trail USERS Study, Research Report 35: Institute for Tourism and Recreation Research, School of Forestry, University of Montana, Missoula, MT
- Montana Fish, Wildlife & Parks. 1997. Montana Residents' Opinion and Attitudes toward Montana Fish, Wildlife and Parks, Volume 1 Survey Findings, Helena, MT
- Montana Fish, Wildlife and Parks. 1998a. Final recommendations. Hunter Behavior Advisory Council. Helena, MT
- Montana Fish, Wildlife and Parks. 1998b. 2020 Vision for Montana state parks. Montana State Park System Plan: Public review draft. Helena, MT
- USDA, 1989. An analysis of the outdoor recreation and wilderness situation in the United States 1989-2040 A technical document support the 1989 USDA Forest Service RPA assessment. Fort Collins: Rocky Mountain Forest and Range Experiment Station, USDA Forest Service
- Williams, Daniel. 1993a. Conflict in the great outdoors. Parks & Recreation. September 1993

4.4.3.3 Noise

- League for the Hard of Hearing, 2004. Noise Level Fact Sheet posted on: www.llh.org/noise/decibel.htm
- USDI, 2000. Winter Use Plans Final Environmental Impact Statement, Yellowstone and Grand Teton National Parks and the John D. Rockefeller, Jr. Memorial Parkway, Volume 1. National Park Service, Yellowstone National Park, Wyoming, USA. _____.
- USDI 2003. Winter Use Plans Final Supplemental Environmental Impact Statement, Yellowstone and Grand Teton National Parks and the John D. Rockefeller, Jr. Memorial Parkway, Volume 1. National Park Service, Yellowstone National Park, Wyoming, USA.
- USFS, 1993. Sound Levels of Five Motorcycles Traveling Over Forest Trails. Rock Creek ORV Area. San Dimas Technology and Development Program. USDA Forest Service. 9323 1802-SDTDC.
- USFS, 2006. Gallatin NF Travel Management FEIS.

4.4.4 CULTURAL RESOURCES

4.4.4.1 Archeological Resources

- ASPPN (Archeological Sites Protection and Preservation Notebook) I-13 1989. A Study of Vandalism of Archeological Resources in Southwestern Colorado. Edited by Dr. Paul R. Nickens, September 1989, US Army Engineer Waterways Experiment Station, Vicksburg, MS.
- Aldrich, Neary and Gutkoski (Surveyors) 1965. Engineering plan view map of the Dry Head Overlook. On file at the Supervisor's Office, Custer National Forest Supervisor's Office, Billings, Montana.
- Annin, Jim 1964. They Gazed on the Beartooths. Three-volume set originally printed by the Reporter Printing & Supply Company, Billings, Montana. Reprinted in 1996 by the Livingston Enterprise, Livingston, Montana.
- Anonymous 1911-12. The Beartooth National Forest, Its Resources, and Its Value and Relation to the Public. Manuscript on file at the Supervisor's Office, Custer National Forest Supervisor's Office, Billings, Montana.
- Beckes, Michael R. and James D. Keyser 1983. The Prehistory of the Custer National Forest: An Overview. Manuscript on file at the Supervisor's Office, Custer National Forest Supervisor's Office, Billings, Montana.
- Bonnichsen, Robson and David Young 1978. The 1978 Pryor Mountain Archaeological Fieldschool and Research Project: A Preliminary Report. Manuscript on file at the Supervisor's Office, Custer National Forest, Billings, Montana.
- Bonney, Orrin H., and Lorraine Bonney 1970. Battle Drums and Geysers. The Swallow Press Incorporated, Chicago, Illinois.
- Brown, Lionel A. 1969. Archeology of the Lower Bighorn Canyon, Montana. University of Montana Contributions to Anthropology, Number 2.
- Brownell, Joan L. 2002. Civilian Conservation Corps, Beartooth Ranger District, Custer National Forest, Montana. Billings, Montana. Manuscript on file at the Supervisor's Office, Custer National Forest, Billings, Montana.
- Campbell, Newell P. (Yakima Valley Community College, Yakima, Washington) 1978. Caves of Montana. Montana College of Mineral Science and Technology, Bulletin 105, Butte, Montana.
- Caywood, Janene, James McDonald and Theodore Catton 1990. Evaluation of Region 1 Forest Service-Owned Buildings for Eligibility to the National Register of Historic Places. Draft Report prepared for United States Department of Agriculture, Region 1 Forest Service, Missoula, Montana by Historical Research Associates, Inc., Missoula, Montana.
- Conner, Stuart W. 1967a. A Capsule Appraisal of the Prehistoric Archeology of the Big Horn Pryor Area of Southern Montana. Manuscript on file at the Supervisor's Office, Custer National Forest, Billings, Montana.
- Conner, Stuart W. 1967b. Inventory of Archaeological Sites in the Big Horn Pryor Area of Southern Montana. Manuscript on file at the Supervisor's Office, Custer National Forest, Billings, Montana.
- Davis, Leslie B. 1975. Preliminary Archaeological Reconnaissance of Designated Tracts in the Gallatin, Custer and Shoshone National Forests in Montana and Wyoming, Regions 1 and 2.

- Contract report prepared for the Forest Service by Montana State University, Bozeman, Montana.
- Deaver, Sherri and Ann Kooistra-Manning 1995. Ethnographic Overview of the McKenzie, Medora, Sioux, Ashland and Beartooth Ranger Districts of the Custer National Forest. Prepared by Ethnoscience, Billings, Montana. Manuscript on file at the Supervisor's Office, Custer National Forest, Billings, Montana.
- Department of Natural Resources and Conservation 2001. Glacier Lake Dams. Helena, Montana. Manuscript on file at the Supervisor's Office, Custer National Forest, Billings, Montana.
- Ethos Consultants (Havre, Montana) and Legacy Consulting Services (Butte, Montana) 2005. Mystic Lake Hydroelectric Project, FERC Project No. 2301, Cultural Resource Management Archaeological Resources Inventory Report: Text, Tables, Figures and CRIS Site Forms. Report prepared for PPL Montana, Butte, Montana. Manuscript on file at the Supervisor's Office, Custer National Forest, Billings, Montana.
- Gregg, Michael L. 1977. Final Report: Archeological Inventory and Assessment for the Mystic Lake Project. Prepared under the authority of United States Department of Agriculture, Forest Service, Custer National Forest Archeological Permit for Don Sprague, Head, Environmental Protection Department, The Montana Power Company by Archeology and Cultural Resources Division, Mineral Research Center, Montana Tech Alumni Foundation, Butte, Montana. Manuscript on file at the Supervisor's Office, Custer National Forest, Billings, Montana.
- Greiser, Sally T. and Heidi Plochman 1981. Archaeological Investigations at the West Rosebud Lake Archaeological Site (24ST651). Manuscript on file at the Supervisor's Office, Custer National Forest, Billings, Montana.
- Harvey, David 1974. A General Historical Survey of the Pryor Mountains. Western Interstate Commission for Higher Education, Boulder, Colorado.
- Hazlitt, Ruth 1934. The Journal of Francois Antoine Laroque from the Assiniboine River to the Yellowstone. Translated and edited by Ruth Hazlitt, Volume 14, Numbers 3 and 4 and Volume 15, Number 1, 1934. In Frontier Omnibus. Edited by John W. Hakola, Montana State University Press, Missoula, Montana.
- Husted, Wilfred M. 1969. Bighorn Canyon Archeology. Smithsonian Institution River Basin Surveys Publications in Salvage Archeology, Number 12, Lincoln, Nebraska.
- Kirk, C. H. nd. A History of Montana Power, Volume 1. Unpublished manuscript on file at the Montana Historical Society, Helena, Montana.
- Konrad, Victor 1984. The Pryor Mountain Homestead Landscape. Department of Anthropology and Canadian-American Center, University of Maine at Orono.
- Lee, Craig M. 2006. Ice Patch Archaeology: A historical review and the preliminary results of a 2006 Montana survey. PowerPoint presentation on file at the Supervisor's Office, Custer National Forest, Billings, Montana.
- Loendorf, Lawrence L. 1969. The Results of the Archaeological Survey in the Pryor Mountain Bighorn Canyon Recreation Area--1968 Field Season. Manuscript on file at the National Park Service, Midwest Archeological Center, Lincoln, Nebraska.
- Loendorf, Lawrence L. 1971. The Results of the Archaeological Survey in the Pryor Mountain Bighorn Canyon Recreation Area--1969 Field Season. Manuscript on file at the National Park Service, Midwest Archeological Center, Lincoln, Nebraska.

- Loendorf, Lawrence L. 1974a. The Results of the Archaeological Survey in the Pryor Mountain Bighorn Canyon Area--1970 Field Season. Manuscript on file at the National Park Service, Midwest Archeological Center, Lincoln, Nebraska.
- Loendorf, Lawrence L. 1974b. Excavation of Archaeological Sites in the Sub-Alpine Zone, Pryor Mountains, Montana. Manuscript on file at the National Park Service, Midwest Archeological Center, Lincoln, Nebraska.
- Loendorf, Lawrence L. and Joan Louise Brownell 1980. The Bad Pass Trail. Manuscript on file at the National Park Service, Midwest Archeological Center, Lincoln, Nebraska.
- Loendorf, Lawrence L., James C. Dahlberg and Lori O. Weston 1981. The Pretty Creek Archaeological Site 24CB4 and 5. Manuscript on file at the National Park Service, Midwest Archeological Center, Lincoln, Nebraska.
- Mulloy, William 1943. A Prehistoric Campsite Near Red Lodge, Montana. American Antiquity, Volume 9, Number 2, pp. 170-179.
- Mulloy, William 1958. A Preliminary Historical Outline for the Northwestern Plains. University of Wyoming Publications, Volume XXII (1 and 2), Laramie, Wyoming.
- Nabokov, Peter and Lawrence Loendorf 1994. Every Morning of the World. Research administered by the Rocky Mountain Region, USDI, National Park Service, supplemented by the USDA, National Forest Service, Custer National Forest, and USDI, Bureau of Land Management, Montana State Office. On file at the Supervisor's Office, Custer National Forest, Billings, Montana.
- Nelson, N. C. 1943. Contribution to Montana Archaeology. American Antiquity, Volume 9, pp. 162-169.
- Northwest Cave Research Institute 1993. Survey and Inventory of Caves in the Pryor Mountains. Northwest Cave Research Institute, Seattle, Washington.
- Peterson, Helen M. 1966. Pryor Mountain Area Land of Legend, History, Mystery. The Billings Gazette. April 10, 1966, page 9.
- Peterson, Lynn M., John Boughton and Edwin Hagic 2004. Investigations at the Buckeye Site (24CB1266) in Southwestern Montana. Archaeology in Montana. Volume 45, Number 1, pp. 1-81.
- Scott, Sara 2005. Personal communication. Helena, Montana.
- Smith, Philip S. (Acting Director) 1923. One-page letter, dated August 25, 1923, to J. C. Whitham (Forest Supervisor). On file at the Supervisor's Office, Custer National Forest, Billings, Montana.
- Trails and Tales Historical Committee 1983. Trails and Tales South of the Yellowstone. Printed by Midland Printing and Supply Company, Billings, Montana.
- USDA (United States Department of Agriculture) 1962. Granite Peak, Patriarch of the Beartooth Mountains. Brochure on file at the Supervisor's Office, Custer National Forest, Billings, Montana.
- USDA (United States Department of Agriculture) 1986. Custer National Forest Management Plan. On file at the Supervisor's Office, Custer National Forest, Billings, Montana.
- USDA Forest Service 2001. Off-Highway Vehicle, Record of Decision and Plan Amendment for Montana, North Dakota and Portions of South Dakota.

- Van West, Carla Rebecca 1979. Data Base and Assessment of Archeological Resources in Bighorn Canyon National Recreation Area. Manuscript on file at the National Park Service, Midwest Archaeological Center, Lincoln, Nebraska.
- Walker-Kuntz, Sunday A., Edwin R. Hajic and Lynelle A. Peterson 2006. The Spiro Site (24CB1332): A Middle Plains Archaic Housepit Site. Archaeology in Montana. Volume 47, Number 2, pp. 1-55.
- Wedel, Waldo R. 1961. Prehistoric Man on the Great Plains. University of Oklahoma Press.
- Wedel, Waldo R. 1967. Two-page letter, dated October 16, 1967, to Stuart W. Conner, Billings, Montana. On file at the Supervisor's Office, Custer National Forest, Billings, Montana.
- White, Robert 1990. The Sage Creek Water Wars, Fought with Law Instead of Guns. Frontier Printing Company, Cheyenne, Wyoming.
- Zupan, Shirley and Harry J. Owens 1979 (Copyright), 1997 (First printing), 2000 (Second printing). Red Lodge, Saga of a Western Area. Frontier Press, Inc., Billings, Montana.

4.4.4.2 Traditional Cultural Properties

- Deaver, S. and A. Kooistra-Manning. 1995. Ethnographic overview of the McKenzie, Medora, Sioux, Ashland and Beartooth ranger districts of the Custer National Forest. Unpublished manuscript on file at Custer National Forest Supervisor's office, Billings, MT.
- Nabokov, P. and L. Loendorf. 1994. Every Morning of the World, Unpublished manuscript on File with Rocky Mountain Region, USDI, National Park Service, Denver.
- Parker, P.L. and T.F. King. 1990. Guidelines for evaluating and documenting traditional cultural properties. National Register Bulletin No. 38. National Park Service, GPO, Washington, D.C.
- Reed, G. 2007. Personal communication with Steve E. Williams, Custer National Forest Supervisor, Billings, MT.

4.4.5 WATER QUALITY, FISHERIES, AND AQUATICS

4.4.5.1 Water

- Cole, D.N. 1991. Changes on trails in the Selway-Bitteroot Wilderness, Montana, 1978-1989. USDA-Forest Service, Intermountain Research Station, Research paper INT-450. 5 p.
- Deluca, T. H., W. A. Patterson IV, W. A. Freimund, and D. N. Cole. 1998. Influence of llamas, horses, and hikers on soil erosion from established recreation trails in western Montana, USA. Environmental Management 22(2):255-262.
- Elliot, W.J. 2000. Chapter 9. Roads and other corridors. In: Drinking water from forests and grasslands. USDA Forest Service, Southern Research Station, General Technical Report, SRS-39, Asheville, NC,. pp. 85-100.
- Federal Register. 1982. National Forest System Land and Resource Management Planning, Department of Agriculture, Forest Service. 36 CFR Part 219. Vol. 47, No. 190, September 30, 1982. 4 pages.

- Furniss, M. J., T. D. Roeloffs, and S. C. Yee. 1991. Road construction and maintenance. Pages 297-323 in W. R. Meehan, editor. Influences of forest and rangeland management on salmonid fishes and their habitats. American Fisheries Society Special Publication 19.
- Logan, R. 2001. Water quality BMP's for Montana forests. Montana State University- Extension Publications. Bozeman, MT. 59p.
- MacDonald, L.H. and J.D. Stednick. 2003. Forests and water: A state-of-the-art review for Colorado. Colorado Water Resources Research Institute, CSU, Fort Collins, CO. 65 p.
- Meadows, D. 2007. Effects of all terrain vehicles on national forest lands and grasslands (DRAFT). USDA Forest Service. San Dimas Technology and Development Center. 117 p.
- MT-DEQ, 2004. 2004 Montana Integrated Water Quality Report. [Online]. Available:http://nris.state.mt.us/wis/environet/2004Home.html. Dept. of Environmental Quality. Helena, MT.
- MT-DEQ, 2006. 2006 Montana 305(b)/303(d) water quality assessment database. [Online]. Available: http://www.deq.state.mt.us/CWAIC/default.aspx. Dept. of Environmental Quality. Helena, MT.
- MT-NRIS, 2005. Montana State Library Natural Resource Information System. Average Annual Precipitation Map Stillwater and Carbon County. [Online]. Available: http://nris.state.mt.us/gis/gisdatalib/downloads/precip_Stillwater.pdf and Carbon.pdf
- Patric, J.H., J.O. Evans, and J.D. Helvey. 1984. Summary of sediment yield data from forested land in the United States. Journal of Forestry, 82(1):101-104.
- Seyedbagheri, K.A. 1996. Idaho forestry best management practices: compilation of research on their effectiveness. General Technical Report 339. USDA Forest Service, Intermountain Research Station, Ogden, UT. 89p.
- Stednick, J.D. 2000. Chapter 10. Timber Management. In: Drinking water from forests and grasslands. USDA Forest Service, Southern Research Station, General Technical Report, SRS-39, Asheville, NC,. pp. 103-119.
- Stewart, I.T., D.R. Cayan and M.D. Dettinger. 2004. Changes in snowmelt runoff timing in western North America under a 'business as usual' climate scenario. Climate Change 62: 217-232. Kluwer Academic Publishers. Netherlands.
- Sudgen, B.D. and S.W. Woods. 2007. Sediment production from forest roads in western Montana. Journal of American Water Resources Association. 43(1):193-206.
- U.S. Code. Title 16-Conservation, Chapter 2-National Forests, Subchapter I-Establishment and Administration, Sec. 528- Development and administration of renewable surface resources for multiple use and sustained yield of products and services; Congressional declaration of policy and purpose. [Online]. Available: http://www.gpoaccess.gov/uscode/. Search 16USC528.
- U.S. Code. Title 16-Conservation, Chapter 2-National Forests, Subchapter I-Establishment and Administration, Sec. 531- Definitions. [Online]. Available: http://www.gpoaccess.gov/uscode/. Search 16USC531.
- USDA-FS, 1995. Forest Service Handbook 2509.22 Soil and Water Conservation Practices. U.S. Department of Agriculture Forest Service, Missoula, Montana. Chapters 11, 12, 15, 17 and 18.
- USDA-FS, 2002. Best management practices effectiveness monitoring report. [Online]. Available: http://www.fs.fed.us/r1/lolo/resources-natural/index-best-mgt-prac.shtml. U.S. Department of Agriculture Forest Service, Lolo National Forest, Missoula, Montana. 117 p.

- USDA- NRCS. 2007. SNOTEL Data for sites on the Big Horn, Custer, and Gallatin National Forests and Yellowstone National Park. U.S. Department of Agriculture, Natural Resource and Conservation Service. [Online]. Available: http://www3.wcc.nrcs.usda.gov/nwcc/sweavg.jsp?state=WY, and ftp://ftp.wcc.nrcs.usda.gov/data/snow/ads/mt/mt7100sn.html.
- USGS. 2008. Montana flood frequency and basin characteristics data. [Online]. Available: http://mt.water.usgs.gov/freq?page_type=table. U.S.Geological Survey, Helena, MT
- Wilson, J.P. and J.P. Seney. 1994. Erosional impact of hikers, horses, motorcycles, and off-road bicycles on mountain trails in Montana. Mountain Research and Development. 14(1):77-88.

4.4.5.2 Fisheries and Aquatics

- Allendorf, F. W., and R. F. Leary. 1988. Conservation and distribution of genetic variation in a polytypic species, the cutthroat trout. Conservation Biology 2: 170-184.
- Benke, R. J. 1992. Native trout of western North America. American Fisheries Society Monograph 6:79.
- Bjornn, T. C., and Reiser, D. W. 1991. Habitat requirements of salmonids in streams. Pages 83-138 in W. R. Meehan, editor. Influences of forest and rangeland management on salmonid fishes and their habitats. American Fisheries Society Special Publication 19.
- Black, J. H. 1970. Some aspects of the distribution, natural history and zoogeography of the toad genus Bufo in Montana. Master of Science Thesis, University of Montana. Missoula, Montana.
- Byorth, P. A. 1990. An evaluation of Yellowstone cutthroat trout production in three tributaries of the Yellowstone River, Montana. Master's thesis. Montana State University, Bozeman.
- Dale, D., and T. Weaver. 1974. Trampling effects on vegetation of the trail corridors of north Rocky Mountain forests. Journal of Applied Ecology 11:767-772.
- Deluca, T. H., W. A. Patterson IV, W. A. Freimund, and D. N. Cole. 1998. Influence of llamas, horses, and hikers on soil erosion from established recreation trails in western Montana, USA. Environmental Management 22(2):255-262.
- Dole, J. W. 1971. Dispersal of recently metamorphosed leopard frogs Rana pipiens. Copeia, 1971(2): 221-228.
- Dunham, J. B., and B. E. Riemann. 1999. Metapopulation structure of bull trout: influences of physical, biotic and geometrical landscape characteristics. Ecological Applications 9(2):642-655.
- Everest, F. H., R. L. Beschta, J. C. Scrivener, K V. Koski, J.R. Sedell, and C. J. Cederholm. 1987. Fine sediment and salmonid production a paradox. Pages 98-142 in E. Salo and T. Cundy, editors. Streamside management and forestry and fishery interactions. University of Washington, College of Forest Resources, Contribution 57, Seattle, Washington.
- Forman, R. T. et al. 2003. Pages 225-252 in Road ecology: science and solutions. Island Press, Washington, DC, USA.
- Furniss, M. J., T. D. Roeloffs, and S. C. Yee. 1991. Road construction and maintenance. Pages 297-323 in W. R. Meehan, editor. Influences of forest and rangeland management on salmonid fishes and their habitats. American Fisheries Society Special Publication 19.

- Gresswell, R. E. 1995. Yellowstone cutthroat trout. Pages 36-54 in M. K. Young, technical editor. Conservation assessment for inland cutthroat trout. U.S. Forest Service General Technical Report RM-GTR-256.
- Henderson, R., J. L. Kershner, and C. A. Toline. 2000. Timing and location of spawning by nonnative wild rainbow trout and native cutthroat trout in the South Fork Snake River, Idaho, with implications for hybridization. North American Journal of Fisheries Management 20: 584-596.
- Hendricks, P., and J.D. Reichel. 1996. Preliminary amphibian and reptile survey of the Ashland District, Custer National Forest: 1995. Montana Natural Heritage Program. Helena, MT.
- Hicks, B. J., J. D. Hall, P. A. Bisson, and J. R. Sedell. 1991. Responses of salmonids to habitat changes. Pages 483-518 in W. R. Meehan, editor. Influences of forest and rangeland management on salmonid fishes and their habitats. American Fisheries Society Special Publication 19.
- Hogan, D. L. and B. R. Ward. 1997. Watershed geomorphology and fish habitat. Chapter 2 in P. A. Slaney and D. Zaldokas, editors. Fish habitat rehabilitation procedures. Watershed Restoration Circular 9, Vancouver, British Columbia, Canada.
- Kondolf, G. M. 2000. Assessing salmonid spawning gravel quality. Transactions of American Fisheries Society 129:262-281.
- May, B. E. 1996. Yellowstone cutthroat trout. Pages 11-34 in D. Duff, editor. Conservation assessment for inland cutthroat trout: distribution, status and habitat management implications. U.S. Forest Service, Northern, Rocky Mountain, Intermountain, and Southwestern Regions.
- May, B. E., W. Urie, and B. B. Shepard. 2003. Range-Wide Status of Yellowstone Cutthroat Trout (Oncorhynchus clarki bouvieri): 2001. USDA Forest Service, Bozeman, Montana and Montana Departments of Fish, Wildlife and Parks, Helena, Montana
- Maxell, B. 2000. Management of Montana's amphibians: a review of factors that may present a risk to population viability and accounts on the identification, distribution, taxonomy, habitat use, natural history, and status and conservation of individual species. Report to USFS Region 1, Order Number 43-0343-0-0224. University of Montana, Wildlife Biology Program. Missoula, Montana.
- McIntosh, B. A., J. R. Sedell, R. F. Thurow, S. E. Clark, and G. L. Chandler. 2000. Historical changes in pool habitats in the Columbia River Basin. Ecological Applications 10(5):1478-1496.
- Metter, D.E. 1961. Water levels as an environmental factor in breeding season of Bufo boreas boreas. Copeia 1961: 488.
- MFWP (Montana Department of Fish, Wildlife, and Parks). 2000. Cooperative Conservation Agreement for Yellowstone Cutthroat Trout within Montana. Montana Departments of Fish, Wildlife and Parks, Helena, Montana.
- MFWP (Montana Department of Fish, Wildlife, and Parks). 2005. Filed guide to animals. Available: http://fwp.state.mt.us/fieldguide
- MFWP (Montana Department of Fish, Wildlife, and Parks). 2006. 2006 Absaroka-Beartooth Mountain Lakes Guide. Unpublished Report. Montana Department of Fish, Wildlife, and Parks. Helena, MT.
- Nienow, M. 2007. Beartooth Ranger District Travel Management Plan, draft environmental impact statement. U.S. Forest Service, Custer National Forest, Billings, Montana, USA.

- Nussbaum, R. A., E. D. Brodie, and R. M. Storm. 1983. Amphibians and reptiles of the Pacific Northwest. University Press of Idaho, Moscow, Idaho.
- Reichel, J. D. 1995. Preliminary amphibian and reptile survey of the Sioux District of the Custer National Forest:1994. Montana Natural Heritage Program. Helena, MT.
- Rieman, B. E., and J. D. McIntyre. 1993. Demographic and habitat requirements for conservation of bull trout. U.S. Forest Service General Technical Report INT-302.
- Rieman, B. E., D. Lee, J. McIntyre, K. Overton, and R. Thurow. 1993. Consideration of extinction risks for salmonids. Fish Habitat Relationships Technical Bulletin 14. U.S. Forest Service, Intermountain Research Station, Boise, Idaho, USA.
- Rosgen, D. 1996. Applied river morphology. Printed Media Companies, Minneapolis, Minnesota, USA: pages 4-4 to 4-10.
- Stebbins, R.C. 1985. A field guide to western reptiles and amphibians. Houghton Mifflin Company, Boston.
- Stebbins, R. C. and N. W. Cohen. 1995. A natural history of amphibians. Princeton University Press. Princeton, NJ.
- Thornton, C. I., S. R. Abt, and W. P. Clary. 1997. Vegetation influence on small stream siltation. Journal of the American Water Resources Association 33(6):1279-1288.
- Thurow, R. F., and J. G. King. 1994. Attributes of Yellowstone cutthroat trout redds in a tributary of the Snake River, Idaho. Transactions of the American Fisheries Society 123: 37-50.
- Varley, J. D., and R. E. Gresswell. 1988. Ecology, status, and management of the Yellowstone cutthroat trout. American Fisheries Society Symposium 4:13-24.
- Waters, T. F. 1995. Sediment in streams: sources, biological effects, and control. American Fisheries Society Monograph 7:79-80; 86-118; 169-180.
- Werner, J. K., B. A. Maxell, P. Hendricks, and D. L. Flath. 2004. Amphibians and reptiles of Montana. Montana Press Publishing Company, Missoula, Montana. 262 pages.
- Wilson, J. P., and J. P. Seney. 1994. Erosional impacts of hikers, horses, motorcycles, and off-road bicycles on mountain trails in Montana. Mountain Research and Development 14:77-88.
- Young, M. K. 2001. Yellowstone Cutthroat Trout: Species of Special Concern Status Review. http://www.fisheries.org/AFSmontana/SSCpages, Montana Chapter of the American Fisheries Society.

4.4.6 WILDLIFE

- Adams, Rick A. 2003. Bats of the Rocky Mountain West: Natural History, Ecology, and Conservation. U. Press of CO, Boulder, Colorado.
- Andersen, D. E., O. J. Rongstad, and W. R. Mytton. 1990. Home-Range Changes in Raptors Exposed to Increased Human Activity Levels in Southeastern Colorado. Wildlife Society Bulletin 18:134-142.
- Anthony, R.G. and F.B. Isaacs. 1989. Characteristics of bald eagle nest sites in Oregon. Journal of Wildlife Management 53:148-159.

- Apps C. D. 2000. Cited in USDA Forest Service. 2007. Northern Rockies Lynx Management Direction Record of Decision. March 2007. National Forests of Montana, and parts of Idaho, Wyoming, and Utah.
- Askins, R. A. 1994. Open Corridors in a Heavily Forested Landscape: Impact on Shrubland and Forest-Interior Birds. Wildlife Society Bulletin 22:339-347.

 Aubry, K. B., G. M. Koehler, and J. R. Squires. 1999. Ecology of Canada Lynx in Southern Boreal Forests. Pages 373-396 in L.F. Ruggiero, K.B. Aubrey, S.W. Buskirk, G.M. Koehler, C. J. Krebs, K.S. McKelvey, and J.R. Squires. 2000. Ecology and Conservation of Lynx in the U.S. U.S. Forest Service General Technical Report. RMRS GTR-30.
- Baker, W.L. and R.L. Knight. 2000. Cited in Gucinski, H., M.J. Furness, R.R. Ziemer, and M.H. Brookes. 2001. Forest Roads: A Synthesis of Scientific Information. General Technical Report PNW-GTR-509. USDA Forest Service, Pacific Northwest Research Station, Portland, Oregon. 103pp.
- Banci V. 1994. Wolverine. Pages 92-123. Chapter 5 in Ruggiero, L.F., K.B. Aubry, S.W. Buskirk, L.J. Lyon, and W.J. Zielinski. 1994. The scientific basis for conserving forest carnivores, American marten, fisher, lynx and wolverine in the western United States. USDA For. Serv. Rocky Mt. For. and Range Exp. Stn., Gen. Tech. Rep. RM-254, Fort Collins, CO.
- Beecham, J., C. Cameron, and T. Reynolds. 2007. Rocky Mountain Bighorn Sheep (Ovis canadensis): A Technical Conservation Assessment. Prepared for the USDA Forest Service, Rocky Mountain Region. Available online at http://www.fs.fed.us/r2/projects/scp/assessments/rockymountainbighornsheep.pdf
- Bergin, T. M., L. B. Best, and K. E. Freemark. 1997. An Experimental Study of Predation on Artificial Nests in Roadsides Adjacent to Agricultural Habitats in Iowa. Wilson Bulletin 109(3):437-448.
- Boyd-Heger, D.K. 1997. Cited in Mech, L. D. and L. Boitani, editors. 2003. Wolves: Behavior, Ecology, and Conservation. University of Chicago Press. Chicago and London.
- Boyle, S.A, and F.B. Samson. 1985. Effects of Nonconsumptive Recreation on Wildlife: a Review. Wildlife Society Bulletin 13:110-116.
- Bowles, A. E, 1995. Responses of Wildlife to Noise. In Pages 109-156 In Knight, R.L. and K.J.Gutzweiler. eds. Wildlife and Recreationists: Coexistence Through Management and Research. Island Press. Washington DC. 372 pp. Cited in USDA Forest Service. 2006. Gallatin National Forest Travel Plan Final Environmental Impact Statement. December 2006. Bozeman, MT.
- Brittell, J. D., R. J. Poelker, S. J. Sweeney, and G. M. Koehler. 1989. Native Cats of Washington. In T. W. Butts, editor. 1992. Lynx (Felis lynx) Biology and Management: A Literature Review and Annotated Bibliography. U.S. Forest Service, Missoula, Montana, USA.
- Brody, A.J. and M.R. Pelton. 1989. Effects of roads on black bear movements in western North Carolina. Wildlife Society Bulletin. 17:5-10
- Bruns, E.H. 1977. Winter Behavior of pronghorns in relation to habitat. Journal of Wildlife Management 41:560-571.
- Bunch, T., and G. Workman. 1993. Sonic boom/animal stress project report on elk, antelope, and Rocky Mountain bighorn sheep. The Journal of the Acoustical Society of America 93(4):2378.

- Canfield, J. E., L. J. Lyon, J. M. Hillis, and M. J. Thompson. 1999. Ungulates. Pages 6.1-6.25 in G. Joslin and H. Youmans, coordinators. Effects of Recreation on Rocky Mountain Wildlife: A Review for Montana. The Wildlife Society, Helena, Montana, USA.
- Cassirer, E. Frances, David J. Freddy, and Ernest D Ables. 1992. Elk Responses to Disturbance by Cross-Country Skiers in Yellowstone National Park. Wildlife Society Bulletin 20 (4):375-381.
- Christensen, A. G., L. J. Lyon, and J. W. Unsworth. 1993. Elk Management in the Northern Region: Considerations in Forest Plan Updates or Revisions. U.S. Forest Service General Technical Report INT-303.
- Claar, J., N. Anderson, D. Boyd, B. Conrad, G. Hickman, R. Hompesch, G. Olson, H. Ihsle Pac, T. Wittinger, and H. Youmans. 1999. Carnivores. Pages 7.1-7.63 in G. Joslin and H. Youmans, coordinators. Effects of Recreation on Rocky Mountain Wildlife: A Review for Montana. The Wildlife Society, Helena, Montana, USA.
- Clark, T. W., A. H. Harvey, R. D. Dorn, D. L. Genter, and C. Groves, eds. 1989. Rare, sensitive, and threatened species of the Greater Yellowstone Ecosystem. Northern Rockies Conservation Cooperative, Montana Natural Heritage Program, The Nature Conservancy, and Mountain West Environmental Services. 153 pp.
- Copeland, J. 1996. Biology of the Wolverine in Central Idaho. Thesis, University of Idaho, Moscow, Idaho, USA.
- Copeland, J. and H. Hudak. 1995. Conservation Strategy for Wolverine in Idaho. Draft March 14, 1995. Idaho Dept. of Fish and Game, Boise, Idaho; and U.S. Forest Service, Sawtooth National Forest, Twin Fall, Idaho.
- Copeland, J. and Inman, K. Unknown date. Cited in USDA Forest Service. 2006. Gallatin national Forest Travel Plan Final Environmental Impact Statement. December 2006. Bozeman, MT. Ch. 3-460.
- Coleman, J.S. and J.D. Frasier. 1989. Habitat use and home ranges of Black and Turkey Vultures. Journal of Wildlife Management 53:782-792.
- Craighead, J.J., J.S. Sumner, and J.A. Mitchell. 1995. The Grizzly Bears of Yellowstone: Their Ecology in the Yellowstone Ecosystem, 1959-1992. Craighead Wildlife Wildlands Institute, Missoula, Montana.
- Dobkin, D. S. 1992. Neotropical Migrant Landbirds in the Northern Rockies and Great Plains: A Handbook for Conservation and Management. U.S. Forest Service Publication R1-93-34.
- Dwyer, N. and G.W. Tanner. 1992. Cited in Trombulak, S.C., and C.A. Frissell. 1999. Review of Ecological Effects of Roads on Terrestrial and Aquatic Communities. Conservation Biology Vol. 14, No. 1:18-30.
- Ehrlich, P. R., D. S. Dobkin, and D. Wheye. 1988. The Birder's Handbook: A Field Guide to the Natural History of North American Birds. Simon & Schuster, New York, New York, USA.
- Erickson, G. 1972. The ecology of Rocky Mountain bighorn sheep in the Sun River area of Montana with special reference to summer food habits and range movements cited in Valdez, R. and P.R. Krausman, eds. 1999.
- Fernandez, C. 1993. Cited in Trombulak, S.C., and C.A. Frissell. 1999. Review of Ecological Effects of Roads on Terrestrial and Aquatic Communities. Conservation Biology Vol. 14, No. 1:18-30.
- Forman, R.T. and L.E. Alexander. 1998. Roads and Their Major Ecological Effects. Annual Review of Ecology and Systematics. Nov. 1998. 29:207-231.

- Forman, et al. 2003. Cited in USDA Forest Service. 2006. Gallatin National Forest Travel Plan Final Environmental Impact Statement. December 2006. Bozeman, MT.
- Fritts, S., R. Stephenson, R. Hayes, and L. Boitani. 2003. Wolves and Humans. Pages 289-316 in L.D. Mech, and L. Boitani, editors. Wolves: Behavior, Ecology, and Conservation. University of Chicago Press, Chicago, Illinois. USA.
- Gabrielsen, G.W. and E.N. Smith. 1995. Cited in USDA Forest Service. 2006. Gallatin National Forest Travel Plan Final Environmental Impact Statement. December 2006. Bozeman, MT.
- Gaines, W.L., P.H. Singleton, and R.C. Ross. 2003. Assessing the Cumulative Effects of Linear Recreation Routes on Wildlife Habitats on the Okanogan and Wenatchee National Forests. USDA Forest Service Pacific Northwest Research Station General Technical Report PNW-GTR-586. 79pp.
- Gard, N. W., M. J. Hooper, and R. S. Bennett. 1992. Effects of Pesticides and Contaminants on Neotropical Migrants. Pages 310-313 in: D.M. Finch and P.W. Stangel, editors. Status and Management of Neotropical Migratory Birds. U.S. Forest Service General Technical Report RM-229.
- Genter, David L. and Katharine A. Jurist. 1995. Bats of Montana. Summary information for Assessing Mines for Bats Workshop-June 14-15, 1995, Helena, MT. MT Nat. Her. Program. 11 pp.
- Graves, T.A. 2002. Spatial and Temporal Response of Grizzly Bears to Recreational Use on Trails. Thesis, University of Montana, Missoula, Montana. 56pp.
- Grover, K.E. and M.J. Thompson. 1986. Factors influencing spring feeding site selection by elk in the Elkhorn Mountains, Montana. Journal of Wildlife Management 50:466-470.
- Gutzwiller, K. J., K. L. Clements, H. A. Marcum, C. A. Wilkins, and S. H. Anderson. 1998. Vertical Distribution of Breeding-Season Birds: Is Human Intrusion Influential? Wilson Bulletin 110(4) 1998:497-503.
- Hanebury, Lou. 7/25/2007. Verbal communication. U.S. Fish and Wildlife Service.
- Harvey, M., J.S. Altenbach, and T. Best. 1999. Bats of the United States. Arkansas Game and Fish Commission and U.S. Fish and Wildlife Service. 64pp.
- Hash, H.S. 1987. Wolverine Pages 575-585 in M. Novak, J.A. Baker, and M.E. Obbard, compilers and editors. Wild furbearer management and conservation in North America. Ontario Ministry of Natural Resources, Toronto, Ontario, Canada.
- Hendricks, Paul; C. Currier; and J. Carlson. 2004. Bats of the BLM Billings Field Office in south-central Montana, with Emphasis on the Pryor Mountains. Report to the Bureau of Land Management Billings Field Office. Montana Natural Heritage Program, Helena, MT. 19 pp. + appendices.
- Hermanson, John W., and Thomas J. O'Shea. 1983. Antrozous pallidus. American Society of Mammalogists. Mammalian Species No.213. 8 pages.
- Hillis, J. M., M. J. Thompson, J. E. Canfield, L. J. Lyon, C. L. Marcum, P. M. Dolan, and D. W. McCleerey. 1991. Defining Elk Security: The Hillis Paradigm. Pages 38-54 in A. G. Christensen, L. J. Lyon, and T. N. Lonner, compilers. Proceedings of Elk Vulnerability A Symposium. Montana State University, Bozeman, Montana, USA.
- Hornocker, M. G., and H. S. Hash. 1981. Ecology of the Wolverine in Northwestern Montana. Canadian Journal of Zoology 59:1286-1301.

- Hutchins, M. and V. Geist. 1987. Behavioral Considerations in the Management of Mountain-dwelling Ungulates. Mountain Research and Development 7(2):135-144.
- Hutto, R. L., S. J. Hejl, J. F. Kelly, and S. M. Pletschet. 1995. A Comparison of Bird Detection Rates Derived From On-Road Versus Off-Road Point Counts in Northern Montana. Pages 103-110 in: U.S. Forest Service General Technical Report PSW-GTR-149.
- Interagency Conservation Strategy Team (ICST). 2003. Final Conservation Strategy for the Grizzly Bear in the Yellowstone Ecosystem. USFWS, Missoula, Montana, USA. http://mountain-prairie.fws.gov/species/mammals/grizzly/conservationstrategygrizzlybearGYA.pdf
- Interagency Conservation Strategy Team (ICST). 2007. Final Conservation Strategy for the Grizzly Bear in the Yellowstone Ecosystem. http://www.fws.gov/mountain%2Dprairie/species/mammals/grizzly/Final_Conservation_Strate gy.pdf
- Jacobson, S. L. 2004. Cited in USDA Forest Service. 2006. Gallatin National Forest Travel Plan Final Environmental Impact Statement. December 2006. Bozeman, MT.
- Joslin, G., and H. Youmans, coordinators. 1999. Effects of Recreation on Rocky Mountain Wildlife: A Review for Montana. Wildlife Society, Montana Chapter, USA. (www.montanatws.org).
- Knight, R.L. and D.N. Cole 1995. Cited in Joslin, G., and H. Youmans 1999. Effects of Recreation on Rocky Mountain Wildlife: A Review for Montana. Committee on Effects of Recreation on Wildlife, Montana Chapter of the Wildlife Society. 307pp.
- Knight, R.L., and Cole, D.N. 1995a. Cited in USDA Forest Service. 2006. Gallatin National Forest Travel Plan Final Environmental Impact Statement. December 2006. Bozeman, MT.
- Knight, R.L. and K.J.Gutzweiler. eds. 1995. Cited in USDA Forest Service. 2006. Gallatin National Forest Travel Plan Final Environmental Impact Statement. December 2006. Bozeman, MT.
- Koehler, G.M. and J.D. Brittell. 1990. Managing spruce-fir habitat for lynx and snowshoe hares. Journal of Forestry. 10:10-14.
- LCAS. 2000. Cited in USDA Forest Service. 2007. Northern Rockies Lynx Management Direction Record of Decision. March 2007. National Forests of Montana, and parts of Idaho, Wyoming, and Utah.
- Lyon, L.J. 1983. Road Density Models Describing Habitat Effectiveness for Elk. Journal of Forestry 81(9):592-595.
- Lyon, L.J. 1985. Cited in Gucinski, H., M.J. Furness, R.R. Ziemer, and M.H. Brookes. 2001. Forest Roads: A Synthesis of Scientific Information. General Technical Report PNW-GTR-509. USDA Forest Service, Pacific Northwest Research Station, Portland, Oregon. 103pp.
- Lyon, L. J., and M. G. Burcham. 1998. Tracking Elk Hunters with the Global Positioning System. U.S. Forest Service Research Paper RMRS-RP-3.
- Lyon, L.J., and A. G. Christensen. 1992. A Partial Glossary of Elk Management Terms. U.S. Forest Service General Technical Report INT-288.
- MacArthur, R.A., V. Geist, and R.H. Johnson. 1982. Cardiac and Behavioral Responses of Mountain Sheep to Human Disturbance. Journal of Wildlife Management 46:351-358.
- Mace, R. D., and J. S. Waller. 1996. Grizzly Bear Distribution and Human Conflicts in Jewel Basin Hiking Area, Swan Mountains, Montana. Wildlife Society Bulletin 24(3):461-467.

- Magoun, A.J. 1985. Populations, Characteristics, Ecology, and Management of Wolverines in Northwestern Alaska. Thesis, University of Alaska, Fairbanks, Alaska, USA. Cited in Banci 1994, p.110.
- Maxell, B.A., and D.G. Hokit. 1999. Cited in USDA Forest Service. 2006. Gallatin National Forest Travel Plan Final Environmental Impact Statement. December 2006. Bozeman, MT.
- McKelvey, K.S., K. Aubry, and Y. Ortega. 2000. History and distribution of lynx in the contiguous United States. Pages 207-264. Ch. 8 in Ruggiero, L.F., K.B. Aubry, S.W. Buskirk, G.M. Koehler, C.J. Krebs, K.S. McKelvey, and J.R. Squires. (Tech. Eds.) 2000. Ecology and conservation of lynx in the United States. Univ. Press of Colorado. Boulder, CO 480 pp.
- McLellan B. N., and D. M. Shackleton. 1988. Grizzly Bears and Resource-Extraction Industries: Effects of Roads on Behavior, Habitat Use, and Demography. Journal of Applied Ecology 25:451-460.
- Mech, L.D., S.H. Fritts, G.L. Radde, and W.J. Paul. 1988. Wolf distribution and road density in Minnesota. Wildlife Society Bulletin 16:85-87.
- Mech, D.L., and L. Boitani, Editors. 2003. Wolves: Behavior, Ecology, and Conservation. University of Chicago Press.
- MFWP. 2007. Montana's Species of Concern. Montana Fish, Wildlife and Parks website. (http://fwp.mt.gov/wildthings/concern/birds.html)
 MFWP. July 5, 2007. Pryor Mountain Bighorn Counts for Custer National Forest. Montana Department of Fish, Wildlife and Parks internal report.
- Montana Department of Fish, Wildlife and Parks. 2003. Montana Gray Wolf Conservation and Management Plan, Final Environmental Impact Statement. Montana Department of Fish, Wildlife and Parks, Helena, Montana. USA.
- Montana Department of Fish, Wildlife and Parks. 2004. Amended Record of Decision, Montana Gray Wolf Conservation and Management Plan, May 2004. 3pp.
- Morrison, M.L. 2002. Wildlife Restoration: Techniques for Habitat Analysis and Animal Monitoring. Society for Ecological Restoration. 209pp.
- MNHP 2007. Species of Concern Report. Montana Natural Heritage Program website. (http://nhp.nris.state.mt.us/SpeciesOfConcern/Default.aspx)
- Norling, B.S., S.H. Anderson, and W.A. Hubert. 1992. Roost sites used by Sandhill Crane staging along the Platte River, Nebraska. Great Basin Naturalist 52:253-261.
- Oldemeyer, J., W. Barmore, and D. Gilbert. 1971. Winter ecology of bighorn sheep in Yellowstone National Park. Journal of Wildlife Management 35:257-269.
- Pallister, Gregory L. 1974. The seasonal distribution and range use of bighorn sheep in the Beartooth Mountains, with special reference to the West Rosebud and Stillwater herds. Unpublished thesis. Montana State University, Bozeman, Montana.
- Paquet, P.C. 1993. Cited in Mech, L. D. and L. Boitani, editors. 2003. Wolves: Behavior, Ecology, and Conservation. University of Chicago Press. Chicago and London.
- Papouchis, C., Singer, F., and W. Sloan. 2001. Responses of desert bighorn sheep to increased human recreation. Journal of Wildlife Management 65(3):573-582.
- Paruk J.D. 1987. Cited in Trombulak, S.C., and C.A. Frissell. 1999. Review of Ecological Effects of Roads on Terrestrial and Aquatic Communities. Conservation Biology Vol. 14, No. 1:18-30.

- Pulliainen, E. 1968. Breeding Biology of the Wolverine (Gulo gulo) in Finland. Annales Zoologica Fennici 5:338-344. Cited in Banci 1994, p. 110.
- Rich, A. C., D. S. Dobkin, and L. J. Niles. 1994. Defining Forest Fragmentation by Corridor Width: The Influence of Narrow Forest-Dividing Corridors on Forest-Nesting Birds in Southern New Jersey. Conservation Biology 8(4):1109-1120.
- Rowland, M. M., M. J. Wisdom, D. H. Johnson, B. C. Wales, J. P. Copeland, and F. B. Edelmann. 2003. Evaluation of Landscape Models for Wolverines in the Interior Northwest, USA. Journal of Mammalogy 84(1):92-105.
- Ruediger, B. 1996. The relationship between rare carnivores and highways. Proceedings of the Florida Department of Transportation/Federal Highway Administration Transportation-related Wildlife Mortality Seminar, April 30-May 2, 1996. U.S. Department of Transportation. Federal Highway Administration. FHWA-PD-96-041, Washington, DC. ((REF'D IN Gen Wdlf sec of Gallatin's 1 km buffer ref p167 and p168))
- Ruggiero, L. F., K. B. Aubry, S. W. Buskirk, G. M. Koehler, C. J. Krebs, K. S. McKelvey, and J. R. Squires. 1999. The Scientific Basis for Lynx Conservation: Qualified Insights. Pages 443-454 in L. F. Ruggiero, K. B. Aubry, S. W. Buskirk, G. M. Koehler, C. J. Krebs, K. S. McKelvey, and J. R. Squires. 2000. Ecology and Conservation of Lynx in the United States. U.S. Forest Service General Technical Report RMRS-GTR-30WWW. (http://www.fs.fed.us/rm/pubs/rmrs_gtr30.html)
- Ruggiero, L.F., K.B. Aubry, S.W. Buskirk, G.M. Koehler, C.J. Krebs, K.S. McKelvey, and J.R. Squires. (Tech. Eds.) 2000. Ecology and conservation of lynx in the United States. Univ. Press of Colorado. Boulder, CO 480 pp.
- Schmidt, Dr. Cheryl A. 2003. Conservation Assessment for the Long-eared Myotis in the Black Hills National Forest South Dakota and Wyoming. USDA Forest Service, Rocky Mountain Region, Black Hills National Forest, Custer, SD.
- Silliman, S.G. 2002. Grizzly Bear Recovery Policy and Its Consequences. California State Polytechnic University, Ponoma, California.
- Skagen, S. K., T. R. Stanley, and M. B. Dillon. 1999. Do Mammalian Nest Predators Follow Human Scent Trails in the Shortgrass Prairie? Wilson Bulletin 111(3):415-420.
- Skovlin, J. M., P. Zager, and B. K. Johnson. 2002. Elk Habitat Selection and Evaluation. Pages 531-555 in D. E. Toweill and J. W. Thomas, editors. North American Elk: Ecology and Management. Smithsonian Institution Press, Washington D.C., USA.
- Steidl, R.J., and B.F. Powell. 2002. Assessing the Effects of Human Activities on Wildlife. The George Wright Forum Vol. 23-2:50-58.
- Stemp, R. 1983. Heart rate responses of bighorn sheep to environmental factors and harassment cited in Canfield et al. 1999.
- Stewart, S. 1975. Ecology of the West Rosebud and Stillwater bighorn sheep herds, Beartooth Mountains, Montana. Unpublished thesis. Montana State University, Bozeman, Montana.
- Theil, R.P. 1985. Relationship between road density and wolf habitat suitability in Wisconsin. American Midland Naturalist. 113:340-342.
- Toweill, D. E., and J. W. Thomas. 2002. The Future of Elk and Elk Management. Pages 793-841 in D. E. Toweill and J. W. Thomas, editors. North American Elk: Ecology and Management. Smithsonian Institution Press, Washington D.C., USA.

- Trapp, Jon. July 2007. MT. Dept. Fish, Wildlife and Parks. Personnal communication.
- Trombulak, S.C., and C.A. Frissell. 1999. Review of Ecological Effects of Roads on Terrestrial and Aquatic Communities. Conservation Biology Vol. 14, No. 1:18-30.
- USDA Forest Service. 2006. Gallatin National Forest Travel Plan Final Environmental Impact Statement. December 2006. Bozeman, MT.
- USDA Forest Service. 2007a. Northern Rockies Lynx Management Direction Record of Decision. March 2007. National Forests of Montana, and parts of Idaho, Wyoming, and Utah.
- USDI. 1987. Northern Rocky Mountain Wolf Recovery Plan. U.S. Fish and Wildlife Service, Helena, Montana.
- USDI. 1993. Cited in USDA Forest Service. 2006. Gallatin National Forest Travel Plan Final Environmental Impact Statement. December 2006. Bozeman, MT.
- _____. 2000. Proposal to Reclassify and Remove the Gray Wolf from the List of Endangered and Threatened Wildlife in Portions of the Conterminous United States. Federal Register 65:43, 449-496. http://www.gpoaccess.gov/fr/index.html
- . 2003. Endangered and Threatened Wildlife and Plants; Notice of Remanded Determination of Status for the Contiguous United States Distinct Population Segment of the Canada Lynx; Clarification of Findings; Final Rule. U.S. Fish and Wildlife Service. Federal Register 50 Code of Federal Regulations, Part 17, Volume 68(128):6840076-6840101.
- ______. 2007. Endangered and Threatened Wildlife and Plants; Final Rule Designating the Greater Yellowstone Area Population of Grizzly Bears as a Distinct Population Segment; Removing the Yellowstone Distinct Population Segment of Grizzly Bears from the Federal List of Endangered and Threatened Wildlife; 90-Day Finding on a Petition to List as Endangered the Yellowstone Distinct Population Segment of Grizzly Bears; Final Rule. U.S. Fish and Wildlife Service. Federal Register 50 Code of Federal Regulations, Part 17, Volume 72(60):14866-14938.
- _____. 2007. Rocky Mountain Wolf Recovery 2006 Annual Report. C.A. Sime and E.E. Bangs, eds. USFWS, Ecological Services, 585 Shepard Way, Helena, MT. 59601. 235pp. http://westerngraywolf.fws.gov/annualreports.htm.
- USFWS 2007. U.S. Fish and Wildlife Service; Nez Perce Tribe; National Park Service; Montana Fish, Wildlife and Parks; Idaho Fish and Game; and USDA Wildlife Services. 2007. Rocky Mountain Wolf Recovery 2006 Annual Report. C.A. Sime and E.E. Bangs, ed. USFWS, Ecological Services, 585 Shepard Way, Helena, MT. 235pp.
- Van Dyke, F.G., R.H. Brocke, and H.G. Shaw. 1986. Use of Road track counts as indices of mountain lion presence. Journal of Wildlife Management 50:102-109.
- Vore, J., and R. Desimone. 1991. Effects of an Innovative Hunting Regulation on Elk Populations and Hunter Attitudes. Pages 23-29 in A. G. Christensen, L. J. Lyon, and T. N. Lonner, compilers. Proceedings of Elk Vulnerability a Symposium. Montana State University, Bozeman, Montana, USA.
- Wisdom, M.J., R.S. Holthausen, and B.K. Wales. 2000. Cited in Gucinski, H., M.J. Furness, R.R. Ziemer, and M.H. Brookes. 2001. Forest Roads: A Synthesis of Scientific Information. General Technical Report PNW-GTR-509. USDA Forest Service, Pacific Northwest Research Station, Portland, Oregon. 103pp.

- Wisdom, M., A. Ager, H. Preisler, N. Cimon, and B. Johnson. 2004. Cited in USDA Forest Service. 2006. Gallatin National Forest Travel Plan Final Environmental Impact Statement. December 2006. Bozeman, MT.
- Wockner, G., F. Singer, and K. Schoenecker. 2003. Habitat Suitability Model for Bighorn Sheep and Wild Horses in Bighorn Canyon and the Pryor Mountain Wild Horse Range. Natural Resources Ecology Lab, Colorado State University, and USGS Biological Resources Division, Fort Collins, Colorado.
- Worthington, David J. 1991. Abundance and Distribution of Bats in the Pryor Mountains of South Central Montana and North Eastern Wyoming. Div. of Biol. Res., U. of MT., Missoula, MT for Montana Nat. Her. Prog, Bur. Land Man. Billings Resource Area, and Custer Nat. For.
- Young, J. S., and R. L. Hutto. 1999. Habitat and Landscape Factors Affecting Cowbird Distribution in the Northern Rockies. Studies in Avian Biology 18:41-51.

4.4.7 SOILS

- Burroughs Jr., E. R., and J. G. King. 1989. Reduction of soil erosion on forest roads. General Technical Report. Intermountain Research Station INT-264. Ogden, Utah: USDA Forest Service.
- Ford, Gary L., C. Lee Maynord, John A. Nesser, and Deborah S. Page-Dumroese. 1997. Landtype Associations of the Northern Region, 1997: A First Approximation. Rocky Mountain Research Station, General Technical Report. RMRS-GTR-2-CD. February 1998.
- Gucinski, Hermann; Furniss, Michael J.; Ziemer, Robert R.; Brookes, Martha H.
- 2001. Forest roads: a synthesis of scientific information. Gen. Tech. Rep. PNWGTR-
- 509. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific
- Northwest Research Station. 103 p.
- Holzer, Donald B., Carl E. Davis, and Stan Peterson. 1977. Landtypes of the Beartooth Face Planning Unit, Custer Gallatin Shoshone National Forests. USDA Forest Service, Custer and Gallatin National Forests. November 1977.
- Weaver, T. and D. Dale. 1978. Trampling Effects of Hikers, Motorcycles and Horses in Meadows and Forests. The Journal of Applied Ecology, Vol. 15, No. 2. (Aug., 1978), pp. 451-457.
- Wilson, John P. and Joseph P. Seney. 1994. Erosional Impact of Hikers, Horses, Motorcycles, and Off-Road Bicycles on Mountain Trails in Montana. Mountain Research and Development, Vol. 14, No. 1. (Feb., 1994), pp. 77-88.
- USDA Forest Service. 1999. Chapter 2550 Soil Management, Forest Service Manual 2500 Watershed and Air Management, R1 Supplement 2500-99-1, Effective 11/12/1999.
- USDA Soil Conservation Service. 1975. Soil Survey of Carbon County Area, Montana. USDA Department of Agriculture, Natural Resource Conservation Service in Cooperation with USDA-Forest Service and Montana Agricultural Experiment Station.

4.4.8 VEGETATION

4.4.8.1 Vegetation

- Affleck, Rosa T. 1995. Measurements From Off-Road Vehicles on Seasonal Terrain. Engineering Research and Development Center, Hanover NH Cold Regions Research and Engineering Lab. http://handle.dtic.mil/100.2/ADA464712
- Cole, D.N. 1988. Disturbance and recovery of trampled montane grassland and forests in Montana. USDA Forest Service, Intermountain Research Station, Ogden, UT.
- Cole, David N. 1993. Trampling Effects on Mountain Vegetation in Washington, Colorado, New Hamsphire, and North Carolina. Research Paper INT-464. Ogden, UT: USDA Forest Service, Intermountain Research Station. 56p.
- Cole, David N. 1995a. Disturbance of natural vegetation by camping: Experimental applications of low-level stress. Environmental Management. 19(3): 405-416.
- Cole, David N. 1995b. Experimental trampling of vegetation. I. Relationship between trampling intensity and vegetation response. Journal of Applied Ecology. 32: 203-214.
- Cole, David N. 1995c. Experimental trampling of vegetation. II. Predictors of resistance and resilience. Journal of Applied Ecology. 32: 215-224.
- Switalski and Jones. 2008. Best Management Practices. For Off Road Vehicle Use on Forestlands. A Guide for Designating and Managing Off-Road Vehicle Routes. http://www.wildlandscpr.org/files/ORV_BMP_2008.pdf
- Weaver, T., and D. Dale. 1978. Trampling Effects of Hikers, Motorcycles, and Horses in Meadows and Forests. Journal of Applied Ecology 15(2): 451-457.

4.4.8.2 Weeds

- Bais, et al. 2003 Bais, H. P., Vepachedu, R., Gilroy, S., Callaway, R. M., and Vivanco, J. M. (2003) Allelopathy and exotic plant invasion: From molecules and genes to species interactions. *Science* 301: 1377–1380.
- Banks, et al. 2004. Roads Enhance Exotic Plant Invasions, Montana Native Plant Society Conservation Committee.
- Forcella, F. and Harvey, S. J. 1983. Relative abundance in an alien weed flora. Oecologia (1983) 59:292-295.
- Forcella F. Harvey S. J. (1983) Eurasian weed infestation in western Montana in relation to vegetation and disturbance. Madrono 30:102–109
- Gelbard, J. L. and J. Belnap. 2003. Roads as conduits for exotic plant invasions in a semiarid landscape. Conservation Biology 17: 420-432.
- Grover, S. T. 2007. Do horses spread non-native plants on trails. Back Country Horsemen of Montana News.
- Hodkinson, D. J. and Thompson, K. 1997. Plant Dispersal: The Role of Man. The Journal of Applied Ecology, Vol. 34, No. 6 (Dec., 1997), pp. 1484-1496.
- Hourdequin, M. 2000. Ecological Effects of Roads. Conservation Biology, pp. 16-17. Volume 14, No. 1, February 2000.

- Lonsdale, W. M. and A. M. Lane. 1994. Tourist vehicles as vectors of weed seeds in Kakadu National Park, northern Australia. Biological Conservation 69: 277-283.
- Mack, R. N. and Lonsdale, W.M. 2001. Humans as Global Plant Dispersers. BioScience Article: pp. 95-102.
- Mantas, M. 2003. Evaluating risk to native plant communities from selected exotic plant species. USDA Forest Service and The Nature Conservancy. Unpublished report with CD.
- Sheley, R. and J. Petroff. 1999. Biology and management of noxious rangeland weeds. Oregon State University Press. Corvallis, Oregon. Pages 6, 11, 69.
- Tyser, R. W. and C. A. Worley. 1992. Alien flora in grasslands adjacent to road and trail corridors in Glacier National Park, Montana (U.S.A.). Conservation Biology 6: 253-262.
- USDA 2006. Custer National Forest Weed Management EIS.

4.4.8.3 Sensitive Plants

- Beatty, B.L., W.F. Jennings, and R.C. Rawlinson. (2004, October 21). Pyrrocoma carthamoides Hook. var. subsquarrosa (Greene) G. Brown & Keil (largeflower goldenweed): a technical conservation assessment. [Online]. USDA Forest Service, Rocky Mountain Region. Available: http://www.fs.fed.us/r2/projects/scp/assessments/pyrrocomacarthamoidesvarsubsquarrosa.pdf
- Ladyman, J.A.R. (2005, November 28). Salix barrattiana Hooker (Barratt's willow): a technical conservation assessment. [Online]. USDA Forest Service, Rocky Mountain Region. Available: http://www.fs.fed.us/r2/projects/scp/assessments/salixbarrattiana.pdf
- Lesica, P. 1995. Conservation status of Haploppapus carthamoides var. subsquarrosus in Montana. Unpublished report to the U.S. Forest Service and the U.S. Bureau of Land Management. Montana Natural Heritage Program. 22 pp. plus appendices.
- Lyman, J.C. (2005, January 28). Shoshonea pulvinata Evert & Constance (Shoshone carrot): a technical conservation assessment. USDA Forest Service, Rocky Mountain Region. Available: http://www.fs.fed.us/r2/projects/scp/assessments/shoshoneapulvinata.pdf
- McCracken, C. 2005-2007. Personal communication regarding Ranunculus jovis in the Pryor Mountains.
- Mergen, D.E. (2006, July 17). Cypripedium parviflorum Salisb. (lesser yellow lady's slipper): a technical conservation assessment. [Online]. USDA Forest Service, Rocky Mountain Region. Available: http://www.fs.fed.us/r2/projects/scp/assessments/cypripediumparviflorum.pdf
- Mincemoyer, S. 2006. Surveys of Significant Plant Resources in Southeast and South-central Montana on the Billings and Miles City Field Offices of the Bureau of Land Management. Montana Natural Heritage Program, Helena, MT.
- MNHP, 2006. Montana Natural Heritage Program. A web based information database http://nhp.nris.state.mt.us/animalguide, Montana Natural Heritage Program, Helena, MT.
- NatureServe. 2007. NatureServe Conservation Status Factors. http://www.natureserve.org/explorer.
- Reid, K. 2001. Haplopappus carthamoides var. subsquarrosus Monitoring in Seeley Pasture of Rock Creek Allotment. Unpublished memo to Beartooth District Ranger, USDA Forest Service. 13 pp.
- Rocchio, J., M. March, and D.G. Anderson. (2006, March 20). Epipactis gigantea Dougl. ex Hook. (stream orchid): a technical conservation assessment. [Online]. USDA Forest Service, Rocky

- Mountain Region. Available: http://www.fs.fed.us/r2/projects/scp/assessments/epipactisgigantea.pdf
- Shelly, S. 1988. Report on the Conservation Status of Shoshonea pulvinata, A Candidate Threatened Species. Unpublished report for USDA Forest Service. Montana Natural Heritage Program, Helena, Montana. 36 pp.
- USDA, Forest Service, Custer National Forest and National Grasslands Land and Resource Management Plan. 1986.
- USFS 2005 Custer NF TES Plant Protocol. 13 p.
- USDA, 1999. Shoshone National Forest. Ecological Evaluation of the Potential Pat O'Hara Mountain Research Natural Area within the Shoshone National Forest, Park County, Wyoming. Prepared by George P. Jones and Walter Fertig, WY Natural Diversity Database. 49 pp.
- USDA, 2000. Shoshone National Forest. Pyrrocoma Carthamoides var. Subsquarrosa, Absaroka Goldenweed. 2 pp.
- USDA 2005 PLANTS Database. http://plants.usda.gov/
- USDI. 2005. Bureau of Land Management Instruction Memorandum No. MT-2005-055. 2005 Montana/Dakotas Special Status Plant Species Policy.
- WYNDD (Wyoming Natural Diversity Database) 2005. http://uwadmnweb.uwyo.edu/

4.4.9 INVENTORIED ROADLESS AREAS

- Federal Register. 2001. Special Areas; Roadless Area Conservation; Final Rule, Department of Agriculture, Forest Service. 36 CFR Part 294. Vol. 66, No. 9, January 12, 2001. 2 pages.
- USDA, Forest Service, Record of Decision for Land and Resource Management Plan and Environmental Impact Statement for the Custer National Forest and National Grasslands. 1987.
- USDA, Forest Service, Custer National Forest and National Grasslands Land and Resource Management Plan. 1986.

4.4.10 ECONOMICS

- Bureau of Business and Economic Research, School of Business Administration 2003. J.T. Sylvester. Snowmobiling in Montana: A 2002 Update. University of Montana. 10 p.
- English, D.B.K., S.M. Kocis, S.J. Zarnoch, and J.R. Arnold. 2002. Forest Service National Visitor Use Monitoring Process: Research Method Documentation. United States Department of Agriculture, Forest Service, Southern Research Station, Research Paper SRS-57, July 2002.
- Hewings, G.J.D. (1985). Regional Input-Output Analysis, Scientific Geography Series Vol. 6, Sage Publications.
- Kocis, S.M., D.B.K. English, S.J. Zarnoch, R. Arnold, L. Warren. 2003. National Visitor Use Monitoring Results: Custer National Forest. USDA Forest Service: Region1, August 2003
- Minnesota IMPLAN Group 2004. County IMPLAN Data. www.implan.com.
- Montana Department of Justice. 2005. Vehicle registration bureau. Personal data request, May 2005. Deer Lodge, MT.

Stynes Daniel J. and White Eric M. 2006. Spending Profiles for National Forest Recreation Visitors by Activity.

Stynes, D.J. and E.W. White. 2005. Spending Profiles of National Forest Visitors, NVUM Four Year Report. East Lansing, Michigan: Michigan State University, Department of Recreation and Tourism and Department of Forestry, May 2005.

4.5 GLOSSARY

Area – A discrete, specifically delineated space that is smaller, and in most cases much smaller, than a Ranger District.

Designated Road, Trail, or Area - A National Forest System road, a National Forest System trail, or an area on National Forest System lands that is designated for motor vehicle use pursuant to 36 CFR 212.51 on a motor vehicle use map. (36 CFR 212.1)

Designation – Motor vehicle use on NFS roads and trails, and in areas on NFS lands shall be designated by vehicle class and, if appropriate, by time of year.

Forest Road or Trail - A forest road or trail is a road or trail wholly or partly within, or adjacent to, and serving the National Forest System and which is necessary for the protection, administration, and utilization of the National Forest System and the use and development of its resources. (23 USC 101)

Motor Vehicle Use Map (MVUM) – - Map required by the 2005 Motorized Travel Rule that indicates designated roads, trails and areas.

National Forest System Road (System Road) - A forest road other than a road which has been authorized by a legally documented right-of-way held by a State, *county* or other local public road authority. (36 CFR 212.1, 36 CFR 251.51, 36 CFR 261.2)

National Forest System Trail (System Trail) - A forest trail other than a trail which has been authorized by a legally documented right-of-way held by a State, county or other local public road authority. (36 CFR 212.1)

Off-highway Vehicle – Any motor vehicle designed for or capable of cross-country travel on or immediately over land, water, snow, ice, marsh, swampland or other natural terrain.

Road – A motor vehicle route over 50 inches wide, unless identified and managed as a trail.

Route Decommissioning – Activities that result in the stabilization and restoration of unneeded roads to a more natural state.

Season of Use - The time of year that a system road is designated for use.

Temporary road or trail – A road or trail necessary for emergency operations or authorized by contract, permit, lease, or other written authorization that is not a forest road or trail and that is not included in a forest transportation atlas.

Trail – A route 50 inches or less in width or a route over 50 inches wide that is identified and managed as a trail.

Unauthorized road (non-system road) – A road or trail that is not a forest road or trail.

Other Relevant Info: State laws regarding operation of motor vehicles apply to system roads; state laws regarding operation of motor vehicles do not apply to system trails. (CFR's defer to state laws on system roads.).

Chapter 4: Consultation, Distribution, List of Preparers, References, and Glossary - End of Chapter 4 -