

CHAPTER 6 REFERENCES

Big Sky Acoustics, LLC (BSA). 2007. Memorandum to Terry Grotbo at Geomatrix, regarding noise level measurements conducted for the Indian Creek Mine Expansion EIS Project on August 6, 2007. August 8, 2007.

Bison Engineering Inc. 1999. Air Quality Data Summary, Indian Creek Lime Plant, Townsend, Montana, 4th Quarter 1998. February.

Broadwater County Planning Board (BCPB). 2003. Broadwater County Growth Policy Plan and Comprehensive Economic Development Strategy. July. Available online at <http://www.co.broadwater.mt.us>.

Brown, M. 2005. Electronic Mail from Mike Brown of Graymont Mining Company to Richard Leferink of Maxim Technologies Regarding Graymont Mine Financial Information. October 13.

Butts, T. 1993. A survey of bats of the Helena National Forest, Montana. Montana Natural Heritage Program. Helena.

_____ **2005.** Limestone Hills South Extension Bat Surveys June-August 2005. Unpublished report prepared for Graymont Western US Inc. Townsend, Montana, by Continental Divide Ecological Consulting. Helena, Montana.

Carlson, T. 2008. Personal communication from Tom Carlson, wildlife biologist with FWP to Joe Elliott (Geomatrix) concerning bighorn sheep die-off in Indian Creek area. May 14, 2008.

Chen-Northern, Inc. 1991. Laboratory analysis including sieve analysis and Atterberg Limits calculations. Reject rock was judged “non-plastic” with 9.85% passing a No.200 screen and 100% passing the ½ inch screen. September 25, 1991.

Chorney, E. 2004. Electronic Mail from Elton Chorney of Graymont Mining Company to Mike Brown of Graymont Mining Company Regarding Graymont Mine Financial Information. July 13.

_____ **2007.** Personal communication between Elton Chorney of Graymont Mining Company and Jessica Peterson of Geomatrix Consultants, Inc. regarding contracted services and vendor expenditures. August 7.

Davis, L., S. Aaberg and J. Fosher, Jr. 1980. Cultural resources in the Limestone Hills Army National Guard Training Site, Broadwater County, Montana. Department of Sociology/Anthropology, Montana State University. Bozeman.

Design Build Engineering and Consulting, Inc. (DBEC). 2007. Limestone Hills Curl-leaf Mountain Mahogany Reseeding Program. Prepared for Montana Army National Guard. February.

- ECON, Inc. 1980.** Soils Report, Indian Creek Mine, Broadwater County, Montana. Prepared for Continental Lime Co. December.
- Ecosystem Research Group. 2006.** Elkhorn vegetation study Phase II, Final Report. Elkhorn Working Group. Missoula, Montana. Available online at:
http://www.ecosystemrg.com/elkhorn/elkhorn_pdf/Section_4.pdf
- Egan, M. 1988.** Architectural Acoustics. McGraw-Hill, Inc. 411 pp.
- Federal Highway Administration (FHWA). 1998.** FHWA Traffic Noise Model, Look-Up Tables, Final Report, July 1998. U.S. Department of Transportation. FHWA-PD-98-047.
- Federal Transit Administration. 1995.** Transit Noise and Vibration Impact Assessment, Final Report, April 1995. U.S. Department of Transportation. DOT-T-95-16.
- Fedstats. 2007.** Broadwater County Mapstats from Fedstats, Bureau of Economic Analysis, Bureau of Labor Statistics, National Agricultural Statistics Service, National Center for Health Statistics, U.S. Census Bureau, Retrieved July. Available online at: <http://www.fedstats.gov/qf/states/30/30007.html>
- Fidel, S. 1983.** Community Response to Blasting. Journal of the Acoustical Society of America 74(3), September 1983.
- Foresman, K. R. 2001.** The Wild Mammals of Montana. American Society of Mammalogists. Special Publication No. 12.
- Geomatrix Consultants, Inc. 2008.** Limestone Hills Browse Summary. January.
- Gillespie, J. 2004.** Facsimile Memorandum from Broadwater County Clerk and Recorder/Treasurer to Karen Lyncoln of KLLyncoln, Inc. Regarding Broadwater County Property Tax Information. July 8, 2004.
- Graymont Western US Inc. (Graymont), 1981.** Operating Permit #00105 issued pursuant to Montana Metal Mines Reclamation Act by Montana Department of State Lands. June 15, 1981.
- _____ **2005.** Letter dated May 3, 2005, from E. Chorney (Graymont) to P. Plantenberg (DEQ) regarding Indian Creek Mine overburden and waste rock samples.
- _____ **2006.** MPDES Permit Renewal Application, Graymont Western US Inc., Indian Creek Plant, MPDES Permit No. MTR000090. Includes Storm Water Pollution Prevention Plan. September 2006.
- _____ **2007a.** Operating and Reclamation Plan, Indian Creek Mine and Plant. March.
- _____ **2007b.** Weed Management Plan. October.

- _____. **2007c.** Personal Communication. Blasting information provided by Elton Chorney, Manager, Indian Creek Mine to Big Sky Acoustics. Time of blasting discussed during initial EIS team site tour, July 2, 2007. Weight of explosive charges provided by email, August 7, 2007.
- Greatschools. 2008.** website www.greatschools.net accessed May 6, 2008.
- Harris, C., ed. 1998.** Handbook of Acoustical Measurements and Noise Control. Acoustical Society of America, Woodbury, New York.
- Hingtgen, T. and W. Clark. 1984a.** Small mammal recolonization of reclaimed coal surface-mined land in Wyoming. *J. Wildl. Manage.* 48(4): 1255-1261.
- _____. **1984b.** Impact of small mammals on the vegetation of reclaimed land in the northern Great Plains. *J. Range Manage.* 37(5): 438-441.
- Hydrometrics, Inc. 2006.** Baseline Water Resources near the Indian Creek Mine, Broadwater County, Montana. Prepared for Graymont Western US, Inc., Townsend, MT. December.
- _____. **2007.** Baseline Water Resources near the Indian Creek Mine, Broadwater County, Montana. Prepared for Graymont Western US, Inc., Townsend, MT. February.
- International Organization for Standardization (ISO). 1996.** Standard 9613-2, *Attenuation of Sound during Propagation Outdoors, Part 2: General Method of Calculation.*
- Kehoe, A. 1992.** *North American Indians, A Comprehensive Account.* (Second Edition). Prentice Hall, Englewood Cliffs, NJ.
- Kendy, E., and R.E. Tresch, 1996.** Geographic, Geologic, and Hydrologic Summaries of Intermontane Basins of the Northern Rocky Mountains, Montana. U.S. Geological Survey, Water-Resources Investigations Report 96-4025. Helena, Montana. August 1996.
- Kroeber, A. 1939.** Cultural and Natural Areas of Native North America. Originally published as Univ. of California Publications in American Archaeology and Ethnology. Vol. 38. Reprinted in 1963 by University of California Press, Berkeley and Los Angeles.
- Mackie, R.J., D.F. Pack, K.L. Hamlin, and G.L. Dusek. 1998.** Ecology and Management of Mule Deer and White-tailed Deer in Montana. Montana Department of Fish, Wildlife and Parks.
- Menge, C. 2005.** "Assessment of Community Reaction to Proposed Club Racetrack." *Proceedings of the Institute of Noise Control Engineering (INCE) NOISE-CON 2005 Conference*, Minneapolis, Minnesota. October 17-19, 2005.
- Montana Army National Guard (MTARNG). 2008.** GIS data layers provided by Environmental Office, Center for Environmental Management of Military Lands.

Montana Army National Guard (MTARNG), Graymont Western US, Inc., U.S. Department of the Interior, Bureau of Land Management (BLM). 2005. Memorandum of Agreement between Montana Army National Guard and Graymont Western US, Inc., and Bureau of Land Management concerning Compatible Joint Use at Limestone Hills. February.

Montana Army National Guard (MTARNG), U.S. Department of the Interior, Bureau of Land Management (BLM). 2007. Draft Legislative Environmental Impact Statement Limestone Hills Training Area Land Withdrawal. Fort Harrison. Helena, Montana. April.

Montana Bureau of Mines & Geology – Groundwater Information Center (MBMG-GWIC), 2007. Groundwater Well Information. Available online at: <http://mbmgwic.mtech.edu>.

Montana Department of Environmental Quality (DEQ). 1997. Water Samples for Abandoned Hardrock Mine Priority Sites, Montana State Library, Helena, MT. Available online at: <http://nris.mt.gov/nsdi/nris/shape/minehwatr.zip>.

_____ **2001.** Checklist Environmental Assessment, Graymont Western US, Inc. Indian Creek Limestone Quarry North Ridge Amendment to Operating Permit 00105. August.

_____ **2004.** Air Quality Permit No. I554-I6. October.

_____ **2005.** DEQ Emission Inventory Summary.

_____ **2006a.** DEQ Emission Inventory Summary.

_____ **2006b.** Circular DEQ-7, Montana Numeric Water Quality Standards. February 2006.

_____ **2007a.** Letter from Herb Rolfes, Operating Permit Section Supervisor, Environmental Management Bureau, Montana Department of Environmental Quality to Elton Chorney, Mine Manager, Graymont Western Indian Creek Mine concerning Third Deficiency Review of Graymont LOM. April 12, 2007.

_____ **2007b.** Clean Water Act Information Center (CWAIC), 305(b)/303(d) Information. <http://deq.mt.gov/CWAIC/default.aspx>.

_____ **2007c.** Graymont Western DMR Data for Outfalls 001-A and 003-A, MTR000090. Emailed from Jeff May (DEQ) to Doug Rogness (Geomatrix Consultants) on September 10, 2007. Helena, Montana.

Montana Fish, Wildlife and Parks (FWP). 2004. Statewide elk management plan for Montana: Draft. Montana Department of Fish, Wildlife and Parks. Helena, MT.

Montana Department of Fish, Wildlife and Parks (FWP), U.S. Department of the Interior, Bureau of Land Management (BLM), and Continental Lime, Inc. 1997. Memorandum of Understanding (MOU) Bighorn Sheep Reintroduction Elkhorn Mountains. October.

Montana Department of Natural Resources and Conservation (DNRC). 2003. Montana's Basin Closures and Controlled Groundwater Areas. December 2003.

Montana Department of Transportation (MDT). 2001. Traffic Noise Analysis and Abatement: Policy and Procedure Manual, June 2001.

Montana Natural Heritage Program (MTNHP). 2004. Animal Field Guide. Available online at: <http://nhp.nris.state.mt.us/animalguide>.

_____ **2007.** Rare Plants Guidebook. Available online at: <http://nhp.nris.mt.gov/plants/guidebook.asp>

Morris, M., R. Kelsey, and D. Griggs. 1976. The geographic and ecological distribution of big sagebrush and other woody Artemisias in Montana. Proceedings of the Montana Academy of Sciences 36: 56-79.

Mueggler, W. and W. Stewart. 1980. Grassland and shrubland habitat types of western Montana. USDA Forest Service General Technical Report INT-66. Intermountain Forest and Range Experiment Station. Ogden, Utah.

National Association of Counties (NACO). 2007. Broadwater County, 2007. Available online at: http://www.naco.org/Template.cfm?Section=Find_a_County&Template=/cfiles/counties/cities

National Oceanic and Atmospheric Administration (NOAA). 1973. NOAA ATLAS 2, Volume I – MONTANA (1973); Figure 30 – Isopluvials of the 100 Year, 24 Hour Precipitation in Tenths of an Inch.

Natural Resource Information System (NRIS), 2007. Water Rights Query System. Available online at: <http://nris.mt.gov/dnrc/waterrights/default.aspx>.

Nelson, R. 2007. Facsimile Memorandum from Broadwater County Treasurer to Karen Lincoln of Geomatrix Consulting Regarding Broadwater County Financial Information. July 31.

NPA Data Services, Inc. 2004. Montana Population Projections. February.

Pfister, R., B. Kovalchik, S. Arno and R. Presby. 1977. Forest habitat types of Montana. USDA Forest Service General Technical Report INT-34. Intermountain Forest and Range Experiment Station. Ogden, Utah.

Putnam, S. 2006. Letter from Stanley Putnam, Brigadier General, Montana National Guard to Patrick Plantenberg, Operating Permit Section Supervisor, Montana Department of Environmental Quality regarding Graymont Western US application to amend current operating permit #00105. April 15, 2006.

Resource Management Associates, Inc. 2006a. Graymont Western U.S. Inc. Soil Survey 2004 South Claims Area. Updated May 2006 for Dolomite Claims Area. May 2006.

- _____ **2006b.** Graymont Western US Inc., Visual Resource Management 2006 Mine Expansion.
- Roundy, B., E. McArthur, J. Haley and D. Mann. 1993.** Proceedings: Wildland Shrub and Arid Land Restoration Symposium. General Technical Report INT-GTR-315. Ogden, Utah: USDA Forest Service.
- Rupke, A. and A. Knox. 2006.** Graymont Geologic Services Indian Creek: Ridges Drilling Project (September, October 2005). May 2006.
- Scher, J. 2002.** *Juniperus scopulorum*. In: Fire Effects Information System (Online). U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory. Available online at: <http://www.fs.fed.us/database/feis/>
- Schuman, G. and T. Booth. 1998.** Strategies for establishment of big sagebrush (*Artemisia tridentata* ssp. *wyomingensis*) on Wyoming mined lands. Final Report. Abandoned Coal Mine Research Program. High Plains Grassland Research Service. Cheyenne, Wyoming.
- Scow, K. 2005.** Baseline Vegetation Inventory South Extension Indian Creek Project, Montana. Unpublished technical report prepared for Graymont Western U.S. Inc. by WESTECH Environmental Services, Inc. Helena, Montana.
- _____ **2006.** Baseline Vegetation Inventory Dolomite Claims Indian Creek Project, Montana. Unpublished technical report prepared for Graymont Western U.S. Inc. by WESTECH Environmental Services, Inc. Helena, Montana.
- _____ **2007a.** Personal communication from Ken Scow to John Beaver. August 24, 2007.
- _____ **2007b.** Revegetation monitoring, Indian Creek Project, Montana. Unpublished technical report in preparation for Graymont Western US, Inc. by Westech Environmental Services, Inc. Helena, Montana.
- _____ **2008.** Personal communication from Ken Scow to John Beaver. February 8, 2008.
- Soil Conservation Service (SCS). 1985.** Range condition rating for foothills and mountains within the 10 to 14-inch precipitation zone, southwestern Montana. Technical Guide II-E-8.
- Sonoran Institute. 2003.** Population, Employment, Earnings, and Personal Income Trends, Broadwater County, Lewis and Clark County, and Jefferson County, Montana. Economic Profile System.
- _____ **2007.** A Socio Economic Profile of Broadwater County, Montana, Economic Profile System (EPS), produced May 30, 2007.
- Tetra Tech EM Inc. 1998.** Wetlands and Waters of the United States Delineation Report prepared for Limestone Hills and Fort Harrison Properties. Unpublished technical report prepared for Montana Army National Guard. Helena, Montana.
- Tisdale, E. and M. Hironaka. 1981.** The sagebrush-grass region: A review of the ecological literature. University of Idaho, Forest and Range Experiment Station. Bulletin Number 33. Moscow, Idaho.

Tomeo, N. 2007. Electronic Communication from Broadwater County Commissioners Office to Karen Lyncoln of Geomatrix Consultants Regarding Broadwater County Financial Information. August 1.

Trainor, M. 2007. Personal communication with M. Trainor of WESTECH Environmental, Inc. regarding lesser rushy milkvetch monitoring in areas burned on MTARNG property. October.

U.S. Army Center for Health Promotion and Preventative Medicine (USACHPPM). 2003. Installation Environmental Noise Management Plan - Fort Harrison Training Center, Limestone Hills Training Center, Montana Army National Guard. January 2003.

_____**2005.** Operational Noise Manual: An Orientation for Department of Defense Facilities, November 2005.

_____**2007.** Noise Levels of Common Army Equipment. Available online at: <http://chppm-www.apgea.army.mil/hcp/NoiseLevels.aspx>, August 13, 2007.

U.S. Army Corps of Engineers. 2007. Jurisdictional Determination Form Instructional Handbook.

U.S. Bureau of the Census. 1997. 1990 Census of Population and Housing – Summary Tape 3. June.

_____**2001.** State and County Quick Facts. Broadwater County, Lewis and Clark County, and Jefferson County. Available online at: <http://quickfacts.census.gov/qfd/states/30/30081.html>.

_____**2002.** Montana Decennial Census Total Resident Population Incorporated Cities/Towns and Census Designated Places.

_____**2007.** State and County Quick Facts. Broadwater County, State of Montana. Available online at: <http://quickfacts.census.gov/qfd/states/30/3007.html>.

U. S. Department of Agriculture, Forest Service (USFS). 1987. Ecodata classification handbook 2090.11 USDA Forest Service Region I. Missoula, Montana.

U. S. Department of Agriculture, Forest Service (USFS). Helena National Forest. 1986. Helena National Forest Plan. April.

_____**2006.** Elkhorn Cooperative Management Area, 2006 FINAL Program of Work. Available online at: www.fs.fed.us/r1/helena

U. S. Department of Agriculture, Soil Conservation Service. 1985. Range condition rating for foothills and mountains within the 10 to 14-inch precipitation zone, southwestern Montana. Technical Guide II-E-8.

U. S. Department of Agriculture, Natural Resources Conservation Service (NRCS). 2007. Broadwater County Area Soil Survey.

U.S. Department of the Interior, Bureau of Land Management BLM Butte District and U.S. Department of Agriculture, Forest Service, Helena National Forest and Deerlodge National Forest, 1995. Elkhorns Travel Management Plan and Amendment to the Montana BLM Headwaters Resource Management Plan in Broadwater, Jefferson and Lewis and Clark Counties, Montana. August 1995.

U.S. Department of the Interior, Bureau of Land Management (BLM). 1982. BLM Guide to Social Assessment.

_____ **1984.** Headwaters District Resource Management Plan.

_____ **2002.** Instruction Memorandum 2002-167, Guidance for Social and Economic Analysis.

_____ **2003.** Visual Resource Management. Website at: <http://www.blm.gov/nstc/VRM/index.html>

_____ **2006.** Montana to Receive \$17,269,635 from Interior under Federal Payment in Lieu of Taxes Program, Bureau of Land Management Press Release, June 21. Available online at: <http://www.mt.blm.gov/ea/news06/PILT.mt.6-21-06.pdf>.

_____ **2007.** M. Goertel, BLM Rangeland Management Specialist, comments on draft preliminary Indian Creek Mine EIS. November.

U.S. Department of Labor. 2004. Local Area Unemployment Statistics, Bureau of Labor Statistics. Available online at: <http://www.bls.gov>.

U.S. Environmental Protection Agency (EPA). 1979. Protective Noise Levels, Condensed Version of EPA Levels Document. EPA 550/9-79-100 (N-96-01 II-A-86).

U.S. Geological Survey (USGS). 2007. National Water Information System. Available online at: <http://waterdata.usgs.gov/nwis>. September 2007.

Vicklund, L., G. Shuman, and A. Hild. 2004. Influence of sagebrush and grass seeding rates on sagebrush density and plant size. USDA Forest Service Proceedings RMRS-P-31.

Westech Environmental Services (Westech). 1993. Supplementary Vegetation Information for Continental Lime, Inc. Indian Creek Operation, Broadwater County, Montana. July.

_____ **1999.** Vegetation/Land Condition Report for the Limestone Hills Property 1998. Prepared for: Montana Army National Guard, Environmental Office. May.

_____ **2007.** Unpublished Reclamation Monitoring Data for Indian Creek Project.

Wheeler, J. 2008. Personal communication, Environmental Office, Center for Environmental Management of Military Lands, Fort Harrison, Montana, to Joe Murphy, Geomatrix Consultants, Inc. March 14, 2008.