

## References

- AECOM. 2010a. Regional Geology; Geology and Minerals Issues Related to the Proposed HB In-Situ Solution Mine Project. Fort Collins, Colorado.
- AECOM. 2010b. Hydrological Assessment and Groundwater Modeling Report for the HB In-Situ Solution Mine Project EIS.
- Alderman, D. 2010. Assistant Project Manager Bureau of Land Management Carlsbad Field Office, personal communication with E. Dietrich of AECOM, September 1.
- American Geological Institute. 1997. Dictionary of Mining, Mineral, and Related Terms, second edition.
- American West Analytical Laboratories. 2010. PCA Well 1 Analysis Report. American West Analytical Laboratories. Salt Lake City, Utah.
- Arizona Game and Fish Department (AGFD). 1993. Bats of Arizona. Arizona Wildlife Views.
- Arnwine, J. 2010. Manager, Eddy County Department of Emergency Management. Personal communication with G. Blankenship, Blankenship Consulting LLC. March 12, 2010.
- Ausenco Pipeline Systems Inc. 2010. Preliminary Capacity Analysis – Caprock Water Pipelines East Plan & HB/Eddy Plant Lines. Sent to Intrepid Potash, Inc. August 27.
- Avian Power Line Interaction Committee (APLIC). 1994. Mitigating Bird Collision with Power Lines: The State of the Art in 1994. Washington, D.C: Edison Electric Institute/Raptor Research Foundation.
- Bachman, G. O. 1985. Assessment of Near-surface Dissolution at or near the Waste Isolation Pilot Plant (WIPP), Southeastern New Mexico.
- Bachman, G. O. 1983, Regional Geology of the Ochoan Evaporites, Northern Part of the Delaware Basin: New Mexico Bureau of Mines and Mineral Resources Open File Report 184. May.
- Baker, W. L. 2000. Measuring and Analyzing Forest Fragmentation in the Rocky Mountains and Western United States. *Forest Fragmentation in the Southern Rocky Mountains*. R. L. Knight, F. W. Smith, S. W. Buskirk, W. H. Romme, and W. L. Baker, eds. Boulder, Colorado: University Press of Colorado.
- Baker and Knight. 2000. Roads and Forest Fragmentation in the Southern Rocky Mountains. *Forest Fragmentation in the Southern Rocky Mountains*. R. L. Knight, F. W. Smith, S. W. Buskirk, W. H. Romme, and W. L. Baker, eds. Boulder, Colorado: University Press of Colorado.
- Balch, R. S., M. Cather, and V. Bammidi. 2009. Oil and Gas Potential Analysis of the Secretary of the Interior's Potash Area, Southeastern New Mexico, Petroleum Recovery Research Center Report 09-07 New Mexico Tech November 13, 2009.
- Barker, J., I. Gundiler, and P. Walsh. 2008. New Mexico Potash – Past, Present, and Future: *New Mexico Earth Matters*. Summer, New Mexico Bureau of Mines and Bureau of Geology and Mineral Resources.

- Belnap, J. and D. A. Gillette. 1997. Disturbance of biological soil crusts: Impacts on potential wind erodibility of sandy desert soils in southeastern Utah, *Land Degradation and Development*. Vol. 8.
- Belnap, J. and J. S. Gardner. 1993. Soil microstructure of the Colorado Plateau: the role of the cyanobacterium *Microcoleus vaginatus*. *Great Basin Naturalist* 53(1).
- Benavides, J. R. 2009. Letter from J. R. Benavides, Governor of Pueblo of Isleta, to J. Stovall, U.S. Department of the Interior, Bureau of Land Management, Carlsbad Field Office. February 19.
- Berg, R. R. 1979. Reservoir Sandstone of the Delaware Mountain Group in Guadalupian Delaware Mountain Group of West Texas and Southeast New Mexico. Symposium and Field Conference Guidebook, Society of Economic Mineralogists and Paleontologists Permian Basin Section, Publication 79-19.
- Biota Information System of New Mexico (BISON-M). 2009. Biological Database for New Mexico. The New Mexico Department of Game and Fish in cooperation with the Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, U.S. Bureau of Reclamation, U.S. Forest Service, the University of New Mexico, and Conservation Management Institute. Website: <http://www.bison-m.org/databasequery.aspx> . Accessed November 9, 2009.
- British National Coal Board. 1975. Subsidence Engineers Handbook.
- Broadhead, R. F., Z. Jianhua, and W. D. Raatz. 2004, July. Play Analysis of Major Oil Reservoirs in the New Mexico Part of the Permian Basin: Enhanced Production Through Advanced Technologies. New Mexico Bureau of Geology and Mineral Resources, Open File Report 479.
- Brooks, Brenda, Director of Community Affairs, Louisiana Energy Services. 2010. Personal communication with G. Blankenship, Blankenship Consulting LLC. March 10, 2010.
- Bureau of Land Management (BLM). 2010a. Paleontology Laws Omnibus Public Land Management Act - Paleontological Resources Preservation. February 22. [http://www.blm.gov/wo/st/en/prog/more/CRM/paleontology/paleontological\\_laws.print.html](http://www.blm.gov/wo/st/en/prog/more/CRM/paleontology/paleontological_laws.print.html). Accessed March 1, 2010.
- Bureau of Land Management (BLM). 2010b. Email Correspondence Regarding Existing Surface Disturbance within the Project Area from David Alderman. December 14, 2010.
- BLM 2010c. Geocommunicator National Integrated Land System (NILS). <http://www.geocommunicator.gov/GeoComm/>. Accessed December 2010.
- Bureau of Land Management (BLM). 2009. Restoring Desert Grasslands. New Mexico: BLM.
- Bureau of Land Management (BLM). 2008. Proposed Resource Management Plan and Final Environmental Impact Statement for Public Lands Administered by the Bureau of Land Management Rawlins Field Office, Rawlins, Wyoming. January. [http://www.blm.gov/wy/st/en/programs/Planning/rmps/rawlins/feis\\_prmp.html](http://www.blm.gov/wy/st/en/programs/Planning/rmps/rawlins/feis_prmp.html). Accessed March 1, 2010.
- Bureau of Land Management (BLM). 2007a. Instruction Memorandum No. 2008-009. October, 18 [http://www.blm.gov/wo/st/en/info/regulations/Instruction\\_Memos\\_and\\_Bulletins/national\\_instruction/20080/im\\_2008-009.html](http://www.blm.gov/wo/st/en/info/regulations/Instruction_Memos_and_Bulletins/national_instruction/20080/im_2008-009.html). Accessed March 1, 2010.

- Bureau of Land Management (BLM). 2007b. November. Special Status Species Proposed Resource Management Plan Amendment/Final Environmental Impact Statement. Prepared by the U.S. Department of the Interior Bureau of Land Management, Pecos District Office, Roswell, New Mexico.
- Bureau of Land Management (BLM). 2004. Protocol Agreement between New Mexico Bureau of Land Management and New Mexico State Historic Preservation Officer.
- Bureau of Land Management (BLM). 2001. Approval of Standards and Guidelines and Final Decision regarding the Resource Management Plan Amendments dated January 12, 2001, from the Secretary of the Interior.
- Bureau of Land Management (BLM). 1997. Carlsbad Approved Resource Management Plan Amendment and Record of Decision. Prepared by the U.S. Department of the Interior Bureau of Land Management, Roswell District, Carlsbad Resource Area, Roswell, New Mexico. October.
- Bureau of Land Management (BLM). 1994, September. Roswell Resource Area Draft Resource Management Plan/Environmental Impact Statement. Carlsbad Resource Area Draft Resource Management Plan Amendment/Environmental Impact Statement. Prepared by the U.S. Department of the Interior Bureau of Land Management, Roswell District, Roswell Resource Area, Carlsbad Resource Area, Roswell, New Mexico.
- Bureau of Land Management (BLM). 1988. Carlsbad Resource Management Plan. BLM, Carlsbad, New Mexico.
- Bureau of Land Management (BLM). 1981. PCA Pit-Cave Description.
- Bureau of Land Management (BLM). 1978. Duval Snake Pit Description.
- Burgess, H. 2010. City Administrator, City of Carlsbad, New Mexico. Personal communication with G. Blankenship, Blankenship Consulting LLC. March 10, 2010.
- Burlington Northern Santa Fe. 2010. Where can I ship. [http://www.bnsf.com/customers/pdf/maps/div\\_sw.pdf](http://www.bnsf.com/customers/pdf/maps/div_sw.pdf). Accessed December 2, 2010.
- Calzia, J. P. and W. L. Hiss. 1978. Igneous Rocks in Northern Delaware Basin, New Mexico and Texas, in Austin, G.S. (compiler), Geology and Mineral Deposits of Ochoan Rocks in Delaware Basin and Adjacent Areas. New Mexico Bureau of Mines and Mineral Resources Circular 159.
- Cearley, J. D. 2000. Early West Texas Drilling and Formation Evaluation Technology: American Association of Petroleum Geologists southwest Section 2000 Proceedings. Internet website: [www.barnettshale.us/](http://www.barnettshale.us/). Accessed December 17, 2009.
- Center of Excellence for Hazardous Material Management (CEHMM). 2008. Center of Excellence for Hazardous Materials Management Site Survey for Proposed Construction Site Intrepid Potash, LLC Sec. 2, T21S, R29E.
- Cheesemen, R. J. 1978. Geology and Oil/Potash Resources Delaware Basin, Eddy and Lea Counties, New Mexico in Austin, G.S. (compiler), Geology and Mineral Deposits of Ochoan Rocks in Delaware Basin and Adjacent Areas, New Mexico Bureau of Mines and Mineral Resources Circular 159.
- City of Carlsbad. 2009. Housing Analysis and Strategic Plan. Prepared by Sites West. June.

- City of Carlsbad. Undated. City of Carlsbad, Municipal Water System. 2008 Annual Consumer Report on the Quality of Your Drinking Water. June 2.
- City of Carlsbad. 2003. Draft Greater Carlsbad Comprehensive Plan: Strategy 2020.
- Collins, E. E., compiler. 1993a. Fault Number 907, Unnamed Fault at Base of Guadalupe Mountains, in Quaternary fault and fold database of the United States. <http://earthquakes.usgs.gov/regional/qfaults>. Accessed May 5, 2010.
- Collins, E. E., compiler. 1993b. Fault number 911, West Delaware Mountains Fault Zone, in Quaternary Fault and Fold Database of the United States. <http://earthquakes.usgs.gov/regional/qfaults>. Accessed May 5, 2010.
- Council on Environmental Quality (CEQ). 2005. Memorandum. Guidance on the Consideration of Past Actions in Cumulative Effects Analysis. From: James L. Connaughton, Chairman To: Heads of Federal Agencies. June 24.
- Council on Environmental Quality (CEQ). 1998. Final Guidance for Incorporating Environmental Justice Concerns in EPA's NEPA Compliance Analyses. April.
- Cowardin, L. M., V. Carter, F. Golet, and E. LaRoe. 1979. Classification of Wetlands and Deepwater Habitats of the United States. U.S. Fish and Wildlife Service.
- Cranston, C. 2009. Lead Mining Engineer, BLM Carlsbad Field Office. Personal communication with S. Graber, AECOM. December 15, 2009.
- Daly, S. 2010. Personal Communication with S. Daly, BLM regarding Lehmann's lovegrass. November 17, 2010.
- Dane, C. H. and G. O. Bachman. 1958. Preliminary Geologic Map of the Southeastern Part of New Mexico. USGS Survey Miscellaneous Geologic Investigations Map I-256, scale 1:380,160.
- Davis, S. 2009. Carlsbad's Earliest Potash-Mining Facilities Being Salvaged. *Pay Dirt Magazine*. Reprinted from the *Carlsbad Current-Argus*. June.
- Davies, P. B. 1983. Structural Characteristics of a Deep-Seated Dissolution-Subsidence Chimney in Bedded Salt. *Sixth International Symposium on Salt* Vol. 1.
- Degenhardt, W. G., C. W. Painter, and A. H. Price. 1996. Amphibians and Reptiles of New Mexico. Albuquerque, New Mexico: University of New Mexico Press.
- Dehler, C. M. and J. L. Pederson. 1998. Preliminary geologic map of the Carlsbad East 1:24,000 quadrangle, Eddy County, New Mexico.
- Dunrud, D. R. and B. B. Nevins. 1981. Solution Mining and Subsidence in Evaporite Rocks in the United States. U.S. Geological Survey Miscellaneous Investigations Series I-1298.
- Eddy County. 2008. Eddy County Comprehensive Plan – Final. October.
- Eddy County. 2007. About Eddy County. <http://www.co.eddy.nm.us/aboutus.html>. Accessed December 2009.
- Executive Order 13186. (2001). Responsibilities of Federal Agencies To Protect Migratory Birds, Federal Register, Vol. 66, No. 11, 3853. January 17.

- FC&E Engineering, LLC. 2010. Draft Ambient Air Quality Modeling Report. Intrepid Potash--New Mexico, LLC New HB Mill. April.
- Federal Emergency Management Agency (FEMA). 1991. National Flood Insurance Program, Flood Insurance Rate Maps. Eddy County, New Mexico, Unincorporated Areas. Community-Panel Numbers: 350120-0375B, 350120-0475B, 350120-0500B. Available online at: <http://www.msc.fema.gov/webapp/wcs/stores/servlet/CategoryDisplay?catalogId=10001&storeId=10001&categoryId=12001&langId=-1&userType=G&type=1&dfirmCatId=12009>. Accessed January 11, 2010.
- Federal Land Managers' Air Quality Related Values Workgroup (FLAG). 2008. Phase I Report—Revised. June.
- Department of the Interior, Office of the Secretary. 1986. Oil, Gas and Potash Leasing and Development Within the Designated Potash Area of Eddy and Lea Counties, New Mexico. Federal Register Vol. 51, No. 208. October 28.
- Fenneman, N. M. 1928. Physiographic Divisions of the United States: Annals of the Association of American Geographers, Vol. 18, No. 4. Washington D.C.: USGS. December.
- Findley, J. S., A. H. Harris, D. O. Wilson, and C. Jones. 1975. Mammals of New Mexico. Albuquerque, New Mexico: University of New Mexico Press.
- Galloway, D. L., G. W. Bawden, S. A. Leake, and D. G. Honegger. 2008. Land Subsidence Hazards. *Landslide and Land Subsidence Hazards to Pipelines*. Chapter 2.
- Gelbard, J. L. and J. Belnap. 2003. Roads as Conduits for Exotic Plant Invasions in a Semiarid Landscape. *Conservation Biology* 17(2): 420-432.
- Geohydrology Associates, Inc. 1979. Water-Resources Study of the Carlsbad Potash Area, New Mexico. Prepared for the BLM, Denver, Colorado. Contract YA-512-CT8-195.
- Geohydrology Associates, Inc. 1978. Ground-Water Study Related to Proposed Expansion of Potash Mining near Carlsbad, New Mexico. Prepared for BLM, Denver, Colorado. Contract YA-512-CT7-217.
- GFLOW 2007. Haitjema Software., Analytic Element Model Version 2.1.2, July.
- Giroux, R. L., J. T. Brandell, and T. A. Scott. 1988. Annulus Packoff System Provides Economy in Recompletion of Permian Basin Wells (SPE 17298). Society of Petroleum Engineers Permian basin Oil and Gas Recovery Conference, Midland, Texas. March 10-11.
- Golder and Associates. 1979. Report to USDO and USGS on Recommendations on Abandonment of the Will-Weaver Mine and Shafts. Prepared for the U.S. Geological Survey by Golder and Associates. November.
- Goodbar, J. 2010. Cave and Karst Specialist, BLM Carlsbad, New Mexico, personal communication with AECOM. February 8, 2010.
- Griffith, G. E., J. M. Omernik, M. M. McGraw, G. Z. Jacobi, C. M. Canavan, T. S. Schrader, D. Mercer, R. Hill, and B. C. Moran. 2006. Ecoregions of New Mexico. Reston, Virginia: U.S. Geological Survey (map scale 1:1,400,000).

- Griswald, J. 2009. Brine Well Information. Internet website: <http://www.emnrd.state.nm.us/ocd/brinewells.htm>. Accessed December 23, 2009.
- Harris, A. H. 1993. Quaternary Vertebrates of New Mexico. Vertebrate Paleontology in New Mexico. New Mexico Museum of Natural History and Science, Bulletin 2.
- Harbaugh, A.W., E.R., Banta, M.C, Hill, and M.G., McDonald. 2000. MODFLOW-2000, the U.S. Geological Survey modular ground-water model -- User guide to modularization concepts and the Ground-Water Flow Process: U.S. Geological Survey Open-File Report 00-92.
- Harvey, M. J. et al. 1999. Bats of the United States. Arkansas Game and Fish Commission.
- Hayes, P. T. 1964. Geology of the Guadalupe Mountains, New Mexico. USGS Professional Paper 446. Internet website: [http://www.nps.gov/history/history/online\\_books/cave/446/contents.htm](http://www.nps.gov/history/history/online_books/cave/446/contents.htm). Accessed November 30, 2009.
- Hill, C. A. 2000. Overview of the Geologic History of Cave Development in the Guadalupe Mountains, New Mexico. *Journal of Cave and Karst Studies*. August.
- Hill, C. A. 1996. Geology of the Delaware Basin, Guadalupe, Apache, and Glass Mountains: Permian Basin Section of the Society of Economic Paleontologists and Mineralogists Publication No. 96-39.
- Hill, C. A. 1987. Geology of Carlsbad Cavern and other Caves in the Guadalupe Mountains, New Mexico and Texas. New Mexico Bureau of Mines and Mineral Resources Bulletin 117. [http://www.nps.gov/history/history/online\\_books/geology/publications/state/nm/1987-117/index.htm](http://www.nps.gov/history/history/online_books/geology/publications/state/nm/1987-117/index.htm). Accessed May 5, 2010.
- Holzworth, G. C. 1972. Mixing Heights, Wind Speeds, and Potential for Urban Air Pollution Throughout the Contiguous United States. Triangle Park, North Carolina: United States Environmental Protection Agency (USEPA) Office of Air Programs, Research. Publication Number AP-101.
- Hopkins, J. S. 2006. Water Quality Survey Summary for the Lower Pecos River Watershed (From Sumner Dam to the Texas State Line), 2003. New Mexico Environment Department, Surface Water Quality Bureau. Available online at: <http://www.nmenv.state.nm.us/swqb/Surveys/LowerPecosSurvey-2003.pdf>. Accessed January 12, 2010.
- Hudson, L. 2010. Biologist, USFWS Ecological Services, Albuquerque. Personal communication with E. Dietrich, AECOM Environment. May 14, 2010.
- Hunter, B., F. Tahmourpour, and R. Faul. 2009. Cementing Casing Strings Across Salt Zones: An Overview of Global Best Practices (SPE 122079). Presented at the 2009 Society of Petroleum Engineers Asia Pacific Oil and Gas Conference and Exhibition, Jakarta, Indonesia, 4-6 August 2009.
- Hunter, R. L. 1985. Regional Water Balance for the WIPP Site and Surrounding Area, New Mexico. SAND 84-2233.
- Independent Petroleum Association of New Mexico. Undated. History New Mexico Oil and Gas: Northwest and Southeast. Internet website: [http://www.ipanm.org/index.php?option=com\\_content&view=article&id=21&Itemid=19](http://www.ipanm.org/index.php?option=com_content&view=article&id=21&Itemid=19). Accessed December 21, 2009.

- Interagency Monitoring of Protected Visual Environments (IMPROVE). undated. Spatial and Seasonal Patterns: Guadalupe Mountains National Park. Website: [http://vista.cira.colostate.edu/improve/Data/Graphic\\_Viewer/seasonal.htm](http://vista.cira.colostate.edu/improve/Data/Graphic_Viewer/seasonal.htm). Accessed January, 24, 2011.
- Intergovernmental Panel on Climate Change (IPCC). 2007. Climate Change 2007: Synthesis Report (Summary for Policymakers". Cambridge, England and New York, New York: Cambridge University Press. Internet website: [http://www.ipcc.ch/pdf/assessment-report/ar4/syr/ar4\\_syr\\_spm.pdf](http://www.ipcc.ch/pdf/assessment-report/ar4/syr/ar4_syr_spm.pdf). Accessed January 12, 2010.
- Intrepid Potash, Inc. 2010a. Correspondence. Intrepid Response to Air Quality Data Request. January.
- Intrepid Potash, Inc. 2010b. Minor Source NSR Permit Application, New HB Mill. May.
- Intrepid Potash, Inc. 2010c. Ambient Air Quality Modeling Summary Report, Impact of Proposed HB Solution Mill Project Air Emissions on Living Desert State Park. September.
- Intrepid Potash, Inc. 2010d. Intrepid Response to Hazardous Materials and Spill Plan Data Request HB In-Situ Project EIS, sent to the Bureau of Land Management and AECOM. May 24.
- Intrepid Potash , Inc. 2009. Intrepid Response to Socioeconomic Data Request HB In-Situ Project from K. Ryan, Intrepid. November 11.
- Intrepid Potash Inc./Shaw. 2008a. Mine Operations and Closure Plan HB In-situ Project, HB Potash LLC, Eddy County, New Mexico Submitted to: Bureau of Land Management Carlsbad Field Office, Carlsbad, New Mexico. Prepared by Shaw Environmental and Infrastructure, Inc. May 28.
- Intrepid Potash Inc./Shaw. 2008b. Technical Memorandum: Reviewed Subsidence Associated with Potash Mining; Tech Memo HB Potash EA-004, HB Potash LLC, Eddy County, New Mexico. Prepared by Shaw Environmental and Infrastructure, Inc. December, 17.
- Intrepid Potash Inc./Shaw. 2008c. Technical Memorandum: Subsidence Overview Tech Memo HB Potash DP-006. HB Potash LLC, Eddy County New Mexico. Prepared by Shaw Environmental and Infrastructure, Inc. September 29.
- Johnsgard, P. A. 1990. Hawks, Eagles, and Falcons of North America. Washington and London: Smithsonian Institution press.
- Johnson, K. S. 2005. Subsidence Hazards Due to Evaporite Dissolution in the United States Environ Geol. May 18.
- Johnson, K. S., E. W. Collins, and S. J. Seni. 2003a. Sinkholes and Land Subsidence owing to Salt Dissolution Near Wink, Texas, and Other Sites in Western Texas and New Mexico. Evaporite-karst and Engineering/Environmental Problems in the United States, Oklahoma Geological Survey Circular 109.
- Johnson, P.S., L. A. Land, L. G. Price, and F. T. Titus (Editors). 2003b. Water Resources of the Lower Pecos Region, New Mexico: Science, Policy, and a Look to the Future. New Mexico Bureau of Geology and Mineral Resources. Socorro, NM. Available online at: <http://geoinfo.nmt.edu/publications/decisionmakers/2003/>. Accessed October 19, 2009.
- Kern, J. V. 1984. You and U. S. Potash 1925-1968. United States Borax and Chemical Corporation, Los Angeles, California.

- King, P. B. 1948. Geology of the Southern Guadalupe Mountains, Texas. U.S. Geological Survey Professional Paper 215. [http://www.nps.gov/history/online\\_books/gumo/215/index.htm](http://www.nps.gov/history/online_books/gumo/215/index.htm). Accessed April 23, 2010.
- Kuwanwisiwma, L. 2009. Letter from L. Kuwanwisiwma, Director Hopi Cultural Preservation Office, to J. Stovall, Field Office Manager, Bureau of Land Management, Carlsbad Field Office. February 23.
- LaFleur, K. K. and W. P Lovelace. 1969. Brine Deterioration of Cement and a Replacement Cementing Technique (SPE 2454). Prepared for the Rocky Mountain Regional Meeting of the Society of Petroleum Engineers, Denver, Colorado. May 26-27.
- Lambert, S. J. 1983. Dissolution of Evaporites in and Around the Delaware Basin, Southeastern New Mexico and West Texas. Albuquerque, New Mexico: Sandia National Laboratories.
- Lehman, T. and S. Chatterjee. 2005. Depositional setting and vertebrate biostratigraphy of the Triassic Dockum Group of Texas: J. Earth Syst. Sci. 114, No. 3. June.
- Loera, J. 2010. Letter to J. Stovall, BLM Carlsbad Field Office Manager, from J. Loera, War Captain/Tribal Historic and Preservation Officer. March 24, 2010.
- Lone Mountain Archaeological Services, Inc. 2009a. A Treatment Plan for Three Sites, for the Proposed Intrepid Potash-NM LLC HB Solar Pond Project, Eddy County, New Mexico. NM State Permit No. 09-073. Lone Mountain Project No. 1195. January 14.
- Lone Mountain Archaeological Services, Inc. 2009b, July 10. Class III Cultural Resource Survey of 153 Acres for Five Subsidence Transects in and Around the HB Mine, Eddy County, New Mexico. NMCRIIS Activity No. 114228. Albuquerque, New Mexico:Lone Mountain Archaeological Services, Inc.
- Lyon 1983. Lyon, L. J. Road Density Models Describing Habitat Effectiveness for Elk. *Journal of Forestry*. Vol. 81, Number 9.
- McAda, D. P. 1984. Projected Water Level Declines in the Ogallala Aquifer in Lea County New Mexico. Water Resources Investigation Report 84—4062. United States Geological Survey.
- Mercer, J. W. 1983. Geohydrology of the Proposed Waste Isolation Pilot Plant, Los Medanos Area, Southeastern New Mexico. U.S. Geological Survey WRIR 83-4016.
- Meteyer, C. U. et al. 1997. Sodium toxicity and pathology associated with exposure of waterfowl to hypersaline playa lakes of southeast New Mexico. *Journal of Veterinary Diagnostic Investigation*.
- Miller, R. R. 1982. First Fossil Record (Plio-Pliocene) of Threadfin Shad, *Dorosoma Petenense*, from the Gatuna Formation of Southeastern New Mexico. *Journal of Paleontology* Vol. 56, no. 2.
- Montgomery, R. F. 1965. The Oil and Gas Resources of Southeastern New Mexico in USGS, 1965, Mineral and Water Resources of New Mexico: New Mexico Bureau of Mines & Mineral Resources Bulletin No. 87.
- Montgomery, S. L., J. Worrall, and D. Hamilton. 1999, December. Delaware Mountain Group, West Texas and Southeastern New Mexico, A Case of Refound Opportunity: Part 1—Brushy Canyon: American Association of Petroleum Geologists Bulletin Vol. 83.

- Muller, S. C. and R. Galyen. 2009. Polyhalite Resources and a Preliminary Economic Assessment of the Ochoa Project Lea County, Southeast New Mexico. Prepared for Trigon Uranium Corporation. August 19.
- Murphy, R. 2010. Personal communication with E. Bray AECOM, Fort Collins, Colorado.
- Musharrafieh, G. and M. Chudnoff. 1999. Numerical Simulation of Groundwater Flow For Water Rights Administration in the Lea County Underground Water Basin New Mexico. Technical Report 99-1. New Mexico Office of the State Engineer.
- National Atmospheric Deposition Program (NRSP). 2011. Champaign, IL: NADP Program Office, Illinois State Water Survey. Website <http://nadp.sws.uiuc.edu/sites/siteinfo.asp?net=NTN&id=TX22> accessed January 24, 2011.
- National Association of Realtors. 2009. Real Estate Listings, Homes for Sale and Rental Property Listings – REALTOR.com©. Internet data search. [http://www.realtor.com/realestateandhomes-search/Carlsbad\\_NM?sby=2&source=web&nscs=106239%2c51528%2c30301%2c19531](http://www.realtor.com/realestateandhomes-search/Carlsbad_NM?sby=2&source=web&nscs=106239%2c51528%2c30301%2c19531). Accessed March 9, 2010.
- National Atlas. 2009. Landslide Layer. September 17. <http://nationalatlas.gov/natlas/Natlasstart.asp>. Accessed May 5, 2010.
- National Park Service (NPS). 2010. Public Use Statistics Office. 2007 Visitation Statistics, NPS Visitation Database Reports, Park By Month 1979-2009, Carlsbad Caverns and Guadalupe Mountains National Park. <http://www2.nature.nps.gov/stats/>. Accessed March 2010.
- National Park Service (NPS). 1995. National Register Bulletin 15: How to Apply the National Register Criteria for Evaluation. Revised. Washington, D.C: National Park Service Interagency Resources Division, National Register Branch.
- Natural Resource Conservation Service (NRCS). 2008a. Soil Survey Geographic (SSURGO) database for Eddy Area, New Mexico. Fort Worth, Texas: NRCS.
- Natural Resource Conservation Service (NRCS). 2008b. The Plants Database, National Plant Data Center, Baton Rouge, Louisiana. Internet website:<http://plants.usda.gov>. Accessed December 2008.
- Natural Resources Conservation Service (NRCS). 2006. Land Resource Regions and Major Land Resource Areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296.
- Natural Resources Conservation Service (NRCS). 2005. Watershed Boundary Dataset. GIS Digital Coverage. NRCS, Fort Worth, Texas. Available online at: <http://www.ncgc.nrcs.usda.gov/products/datasets/watershed/>. Accessed November 12, 2009.
- NatureServe. 2009. NatureServe Explorer: An online encyclopedia of life [web application]. Version 7.1. Arlington, Virginia: NatureServe. Available <http://www.natureserve.org/explorer>. Accessed November 30, 2009.
- Nelson, N. 2008. December 4. Letter from J. Stovall, Bureau of Land Management to J. Biella, Archaeologist with the Department of Cultural Affairs, Historic Preservation Division. Stamped and signed by Norman Nelson, for New Mexico State Historic Preservation Officer.

- New Mexico Administrative Code (NMAC). 2009. Title 20: Environmental Protection, Chapter 4: Water Quality, Part 4: Standards For Interstate And Intrastate Surface Waters. New Mexico Commission of Public Records, Administrative Law Division, Santa Fe, NM. Available online at: <http://www.nmcpr.state.nm.us/nmac/parts/title20/20.006.0004.htm>. Accessed January 12, 2010.
- New Mexico Avian Conservation Partners Website (NMACP). 2010. Online list of avian species in need of conservation. Website: <http://www.nmpartnersinflight.org/index.html>. Accessed June 24, 2010.
- New Mexico Business Weekly. 2008. Boomtown Eunice chips away at housing shortage. May 23.
- New Mexico Bureau of Geology and Mineral Resources. 2003. Geologic Map of New Mexico; Scale 1:500,000. <http://geoinfo.nmt.edu/publications/maps/geologic/state/home.cfm>. Accessed December 20, 2010.
- New Mexico Department of Finance and Administration. 2009. Net Taxable Valuation – 2009 Final Valuations. <http://fmb.nmdfa.state.nm.us/content.asp?CustComKey=202788&CategoryKey=203096&pn=Page&DomName=fmb.nmdfa.state.nm.us>. Accessed March 10, 2010.
- New Mexico Department of Game and Fish (NMDGF). 2008. Threatened and Endangered Species of New Mexico. Santa Fe, New Mexico: Biennial Review and Recommendations.
- New Mexico Energy, Minerals and Natural Resources Department. 2009. 2008 Annual Report. <http://www.emnrd.state.nm.us/main/documents/EMNRD-Annual-Report-2008.pdf>. Accessed January 2010.
- New Mexico Environment Department (NMED). 2006. Permit No. 0755-M5-R2. Permittee Intrepid Potash New Mexico LLC. Carlsbad, New Mexico.
- New Mexico Environment Department (NMED). 1999a. Permit No. 421-M4. Permittee Intrepid Potash New Mexico LLC. Carlsbad, New Mexico.
- New Mexico Environment Department (NMED). 1999b. Permit No. 321-M3. Permittee Intrepid Potash New Mexico LLC. Carlsbad, New Mexico.
- New Mexico Environment Department (NMED). 2010a. Notification of Spills and Unauthorized Discharges. <http://www.nmenv.state.nm.us/gwb/low.htm>. Accessed October 18, 2010.
- New Mexico Environment Department (NMED). 2010b. Hazardous Waste. [http://www.nmenv.state.nm.us/swb/documents/Solid\\_Waste\\_Rules\\_Regulations.pdf](http://www.nmenv.state.nm.us/swb/documents/Solid_Waste_Rules_Regulations.pdf). Accessed October 13, 2010.
- New Mexico Environment Department-Air Quality Bureau (NMED-AQB). 2010a. Title 20, Chapter 2 – Air Quality Regulations. Internet website: [http://www.nmcpr.state.nm.us/nmac/\\_title20/T20C002.htm](http://www.nmcpr.state.nm.us/nmac/_title20/T20C002.htm). Accessed August 6, 2010.
- New Mexico Environment Department-Air Quality Bureau (NMED-AQB). 2010b. Air Dispersion Modeling Guidelines. April. Internet website: <http://www.nmenv.state.nm.us/aqb/modeling/modelingpubs.html>. Accessed August 9, 2010.
- New Mexico LPC/SDL Working Group (Working Group). 2005. Collaborative Conservation Strategies for the Lesser Prairie-Chicken and Sand Dune Lizard in New Mexico.

- New Mexico Mining and Minerals Division. 2009. 2009 Energy, Minerals & Natural Resources Department Annual Report <http://www.emnrd.state.nm.us/MMD/Publications/2009AnIRpt.htm>. Accessed October 13, 2010.
- New Mexico Office of the State Engineer (NMOSE). 2010. New Mexico Water Rights Reporting System, Point of Diversion By Location. Available online at: <http://nmwrrs.ose.state.nm.us/nmwrrs/wellSurfaceDiversion.html>. Accessed January 8, 2010.
- New Mexico Office of the State Engineer (NMOSE). 1999. Lea County Regional Water Plan. (Region 16). Available online at: [http://www.ose.state.nm.us/isc\\_regional\\_plans16.html](http://www.ose.state.nm.us/isc_regional_plans16.html). Accessed September 29, 2010.
- New Mexico Public Education Department. 2010. Enrollment by District: 2009 – 2010. <http://www.ped.state.nm.us/IT/fs/05/09.10.enroll.dist.pdf>. Accessed March 9, 2010.
- New Mexico Rare Plant Technical Council (NMRPTC). 1999. New Mexico Rare Plants. Albuquerque, NM: New Mexico Rare Plants Home Page. <http://nmrareplants.unm.edu>. Latest update: September 4, 2009.
- New Mexico State University. 2007. The Chihuahuan Desert. Digital Desert Library. <http://ddl.nmsu.edu/chihuahua.html>. Accessed September 2010.
- New Mexico Statutes Annotated (NMSA) .1978. New Mexico Cultural Properties Act. New Mexico Statute §§ 18-6-1 through 18-6-17, as amended through 2005.
- New Mexico Taxation and Revenue Department. 2009. 2008 Property Tax Facts. [http://www.tax.state.nm.us/pubs/TaxreseStat/2008\\_propertytaxfacts.pdf](http://www.tax.state.nm.us/pubs/TaxreseStat/2008_propertytaxfacts.pdf). Accessed March 2010.
- New Mexico Water Quality Control Commission (NMWQCC). 2008. 2008-2010 State of New Mexico CWA §303(d)/§305(b) Integrated Report. NMED Surface Water Quality Bureau, Santa Fe, New Mexico. Available online at: <http://www.nmenv.state.nm.us/swqb/303d-305b/2008-2010/>. Accessed January 12, 2010.
- Oil Conservation Division (OCD). 2009a. Online Database. State of New Mexico, Energy, Minerals and Natural Resources Department, Santa Fe, New Mexico. Internet website: <http://www.emnrd.state.nm.us/ocd/OCDOnline.htm>. Accessed December 17, 2009.
- Oil Conservation Division (OCD). 2009b. Well Bore Diagrams for Wells in the Potash Area. State of New Mexico, Energy, Minerals and Natural Resources Department, Santa Fe, New Mexico.
- Oil Conservation Commission (OCC). 1988. Order R-111-P. As Amended, Pertaining to the Potash Areas of Eddy and Lea Counties, New Mexico. State of New Mexico, Energy, Minerals and Natural Resources Department, Santa Fe, New Mexico.
- Padilla, D. 2010. Personal communication with R. Dutton, Sammons/Dutton LLC on yearly attendance at selected state parks in 2009. March 15, 2010.
- Palacas, J. G., R. P. Snyder, J. P. Baysinger, and C. N. Threlkeld. 1982. Geochemical Analysis of Potash Mine Seep Oils, Collapsed Breccia Pipe Oil Shows and Selected Crude Oils, Eddy County, New Mexico. USGS Open File Report 82-421.
- Parker, P. L. and T. F. King. 1998. Guidelines for Evaluating and Documenting Traditional Cultural Properties. National Register Bulletin 38. Washington, D.C: National Park Service, Interagency Resources Division, National Register Branch.

- Payne, M. W. 1976. Basinal Sandstone Facies, Delaware Basin, West Texas and Southeast New Mexico: The American Association of Petroleum Geologists Bulletin volume 60. No. 4. April.
- Peterson, M. D. A. D. Frankel, S. C. Harmsen, C. S. Mueller, K. M. Haller, R. L. Wheeler, R. L. Wesson, Y. Zeng, O. S. Boyd, D. M. Perkins, N. Luco, E. H. Field, C. J. Wills, and K. S. Rukstales. 2008. Documentation for the 2008 Update of the United States National Seismic Hazard Maps. U.S. Geological Survey Open File Report 2000-1128.
- Powers, D. W. 2003a. Jal Sinkhole in Southeastern New Mexico: Evaporite Dissolution, Drill Holes, and the Potential for Sinkhole Development; in Johnson, K. S.; and J. T. Neal, editors, Evaporite Karst and Engineering/Environmental Problems in the United States: Oklahoma Geological Survey Circular 109.
- Powers, D. W. and D. Owsley. 2003b. Evaporite Karst and Realigning New Mexico Highway 128, in Johnson, K. S. and J. T. Neal, editors, Evaporite Karst and Engineering/Environmental Problems in the United States: Oklahoma Geological Survey Circular 109.
- Powers, D. W., S. J. Lambers, S. E. Shaffer, L. R. Hill, and W. D. Weart, eds. 1978. Geologic Characterization Report for the Waste Isolation Pilot Plant (WIPP) Site, Southeastern New Mexico. SAND78-1596.
- Propst, D. L. 1999. Threatened and Endangered Fishes of New Mexico. Technical Report No. 1, New Mexico Department of Game and Fish.
- Reed, R. A., J. Johnson-Barnard, and W.L. Baker. 1966. Contribution of Roads to Forest Fragmentation in the Rocky Mountains. *Conservation Biology*. Vol. 10, Number 4.
- Richey, S. F. and J. G. Wells. 1984. Geohydrology of the Delaware Basin and Vicinity, Texas and New Mexico. U.S. Geological Survey Open File Report 84-4077.
- Roche, S. L. 1997. Time-lapse Multicomponent, Three-Dimensional Seismic Characterization of a San Andres Shelf Carbonate Reservoir, Vacuum Field, Lea County, New Mexico. Unpublished Ph.D dissertation Colorado School of Mines. Available at [http://geophysics.mines.edu/rcp/theses/old/Roche\\_1997/slrchp2.html](http://geophysics.mines.edu/rcp/theses/old/Roche_1997/slrchp2.html). Accessed November 23, 2009.
- Schenk, C. J., R. M. Pollastro, T. A. Cook, M. J. Pawlewicz, T. R. Klett, R. R. Charpentier, and H. E. Cook. 2008. Assessment of undiscovered oil and gas resources of the Permian Basin Province of west Texas and southeast New Mexico, 2007, U.S. Geological Survey Fact Sheet 2007-3115.
- Schowengerdt, R. 2009. Shaw Environmental Project Engineer. Personal communication to B. Berg, AECOM, September 13, 2009.
- Sebastian, L. and S. Larralde. 1989. Living on the Land: 11,000 Years of Human Adaptation in Southeastern New Mexico, An Overview of Cultural Resources in the Roswell District. Cultural Resources Series No. 6, New Mexico Bureau of Land Management, Roswell District. On file Bureau of Land Management Roswell District.
- Schulz, G. E. 1972. Vertebrate Paleontology of the Southern High Plains in Kelly, V.C. and F.D. Trauger (eds), Guidebook to the Geology of East Central New Mexico, New Mexico Geological Society 23<sup>rd</sup> Field Conference September 28, 29, and 30 1972.
- Shumsky, S. 2010. City of Carlsbad Planning Supervisor. Personal communication with G. Blankenship, Blankenship Consulting LLC. March 10, 2010.

- Sisselman, R. (ed). 1978. Mining Tabular Carlsbad Deposits. E/MJ Operating Handbook of Mineral Underground Mining. Vol. 3-E/MJ Library of Operating Handbooks.
- Snyder, R. P. and L. M. Gard. 1982. Evaluation of Breccia Pipes in Southeastern New Mexico and Their Relationship to the Waste Isolation Pilot Plant (WIPP) Site. USGS Open File Report 82-968.
- Soil Quality Institute. 2001. Rangeland Soil Quality—Wind Erosion. NRCS, May.
- Southwest Region National Speleological Society. 1991. New Mexico Gypsum Karst Project (GYPKAP) Report #2, January 1988 to December 1991.
- Stafford, K. W. 2008. Hypogene Karst and Sulfate Diagenesis of the Delaware Basin: Southeastern New Mexico and Far West Texas. Unpublished Ph.D. dissertation Department of Earth and Planetary Science, New Mexico Institute of Mining and Technology, Socorro, New Mexico 87801.
- Stovall, J. 2010. Letter to Governor A. Senclair, Ysleta del Sur Pueblo, from J. Stovall, BLM Carlsbad Field Office Manager. February 1, 2010.
- Tillery, A. 2008. Current (2004–07) Conditions and Changes in Ground-Water Levels from Predevelopment to 2007, Southern High Plains Aquifer, Southeast New Mexico—Lea County Underground Water Basin. USGS Scientific Investigations Map 3044. Available online at: <http://pubs.usgs.gov/sim/3044/>. Accessed September 29, 2010.
- Trimble, D. E. 1990. The Geologic Story of the Great Plains. Theodore Roosevelt History Association. reprinted from the U.S. Geological Survey Bulletin 1493, published in 1980.
- U.S. Bureau of Economic Analysis (USBEA). 2009. Regional Economic Information System (REIS) – a downloadable database and data access software. <http://www.bea.gov/regional/docs/reis2007dvd.cfm>. Downloaded and installed on May 7, 2009. - Table CA04 - County Income and Employment Summary, 1969 to 2007. - Table C25N Full and Part-time Employment NAICS, 1969 to 2007.
- U.S. Bureau of Labor Statistics. 2010. Local Area Unemployment Statistics, 1999 to 2009. <http://data.bls.gov/PDQ/servlet/SurveyOutputServlet>. Accessed March 2010.
- U.S. Census Bureau. 2009a. Annual Estimates of the Resident Population for Counties of New Mexico (CO EST2008-01-35): April 1, 2000 to July 1, 2008. <http://www.census.gov/popest/counties.html>. Accessed January 2010.
- U.S. Census Bureau. 2009b. Annual Estimates of the Resident Population for Incorporated Places in New Mexico (SUB EST2008-04-35): April 1, 2000 to July 1, 2008. <http://www.census.gov/popest/counties.html>. Accessed January 2010.
- U.S. Census Bureau. 2009c. American Community Survey 2006-2008, Selected Social, Economic, Housing and Demographic Characteristics: 2006-2008 – Eddy County, New Mexico. [http://factfinder.census.gov/servlet/ADPGeoSearchByListServlet?ds\\_name=ACS\\_2008\\_3YR\\_G00\\_&\\_lang=en&\\_ts=286400833055](http://factfinder.census.gov/servlet/ADPGeoSearchByListServlet?ds_name=ACS_2008_3YR_G00_&_lang=en&_ts=286400833055). Accessed March 11, 2010.
- U.S. Census Bureau. 2009d. Small Area Income & Poverty Estimates, Model-based Estimates for States, Counties and School Districts, 2008. <http://www.census.gov/cgi-bin/saie/saie.cgi>. Accessed March 9, 2010.

- U.S. Census Bureau. 2009e. Monthly New Privately-owned Residential Building Permits, Eddy County, New Mexico (015). <http://censtats.census.gov/cgi-bin/bldgprmt/bldgdisp.pl>. Accessed March 10, 2010.
- U.S. Census Bureau. 2002a. Census 2000 Summary File 1, Table P8, Hispanic or Latino by Race (Total Population). [http://factfinder.census.gov/servlet/CTGeoSearchByListServlet?ds\\_name=DEC\\_2000\\_SF1\\_U&\\_lang=en&\\_ts=286393138470](http://factfinder.census.gov/servlet/CTGeoSearchByListServlet?ds_name=DEC_2000_SF1_U&_lang=en&_ts=286393138470). Accessed January 21, 2010.
- U.S. Census Bureau. 2002b. Census 2000 Summary File 3, Table P88, Ratio of Income in 1999 to Poverty Level. [http://factfinder.census.gov/servlet/CTGeoSearchByListServlet?ds\\_name=DEC\\_2000\\_SF3\\_U&\\_lang=en&\\_ts=286393198814](http://factfinder.census.gov/servlet/CTGeoSearchByListServlet?ds_name=DEC_2000_SF3_U&_lang=en&_ts=286393198814). Accessed January 21, 2010.
- U.S. Census Bureau - Census. 2000. Demographic Profiles – Loving Village, New Mexico. <http://censtats.census.gov/data/NM/1603544420.pdf>. Accessed March 2010.
- U.S. Department of Agriculture (USDA), National Agricultural Statistics Service. 2009. 2007 Census of Agriculture – On-Line County Profiles. [http://www.agcensus.usda.gov/Publications/2007/Online\\_Highlights/County\\_Profiles/New\\_Mexico/cp35015.pdf](http://www.agcensus.usda.gov/Publications/2007/Online_Highlights/County_Profiles/New_Mexico/cp35015.pdf). Accessed January 2010.
- U.S. Environmental Protection Agency (USEPA). 2010a. National Ambient Air Quality Standards. Internet website: <http://www.epa.gov/air/criteria.html#3>. Accessed August 6, 2010.
- U.S. Environmental Protection Agency (USEPA). 2010b. Inventory of U.S. Greenhouse Gas Emissions and Sinks, 1990-2008. EPA 430-R-10-006. April 15.
- U.S. Environmental Protection Agency (USEPA). 2010c. Enforcement and Compliance History Online. <http://www.epa-echo.gov/cgi-bin/get1cReport.cgi?tool=echo&IDNumber=110007975076>. Accessed October 18, 2010.
- U.S. Environmental Protection Agency (USEPA). 2009. Pollutants & Sources. Technology Transfer Network, Air Toxics Web Site. March 23, 2009. U.S. Internet website: <http://www.epa.gov/ttn/atw/pollsour.html>. Accessed August 9, 2010.
- U.S. Environmental Protection Agency (USEPA). 2008a. Monitor Values Report - Criteria Air Pollutants. Internet website : <http://iaspub.epa.gov/airsdata/adaqs.monvals> accessed 11/15/2010.
- U.S. Environmental Protection Agency (USEPA). 2008b. Climate Change – Science – State of Knowledge. Internet website: <http://www.epa.gov/climatechange/science/stateofknowledge.html>. Accessed January 12, 2010.
- U.S. Environmental Protection Agency (USEPA). 2008c. Draft Supplemental Environmental Impact Statement Red Dog Mine Extension – Aqgaluk Project Volume I. Seattle, Washington.
- U.S. Environmental Protection Agency (USEPA). 2006. RCRA Orientation Manual. EPA 530-R-06-003. March.
- U.S. Environmental Protection Agency (USEPA). 2005. Emission Facts - Average Carbon Dioxide Emissions Resulting from Gasoline and Diesel Fuel, Office of Transportation and Air Quality, EPA420-F-05-001. February
- U.S. Environmental Protection Agency (USEPA). 2004. The Clean Air Act, as amended through Public Law 108–201. February 24.

- U.S. Environmental Protection Agency (USEPA). 2003. Guidance for Estimating Natural Visibility Conditions Under the Regional Haze Program. Office of Air Quality Planning and Standards. Triangle Park, North Carolina: Emissions, Monitoring and Analysis Division, Air Quality Trends Analysis Group, Research. EPA-454/B-03-005. September.
- U.S. Environmental Protection Agency (USEPA). 2002a. Facility Emissions Report - Criteria Air Pollutants. Internet website: <http://www.epa.gov/air/data/netemis.html?co~35015~Eddy%20Co%2C%20New%20Mexico>. Accessed January 12, 2010.
- U.S. Environmental Protection Agency (USEPA). 2002b. Facility Emissions Report Hazardous Air Pollutants. Internet website: <http://www.epa.gov/air/data/ntiemis.html?co~35015~Eddy%20Co,%20New%20Mexico>. Accessed January 14, 2011
- U. S. Environmental Protection Agency (USEPA). 1998. Guidance for Incorporating Environmental Justice Concerns in EPA's NEPA Compliance Analysis. Washington, D.C: U.S. Environmental Protection Agency, Office of Federal Activities.
- U.S. Environmental Protection Agency (USEPA). 1995. Compilation of Air Pollutant Emission Factors, AP-42. 5th Edition. Research Triangle Park, North Carolina. Internet website: <http://www.epa.gov/ttn/chief/ap42/index.html>. Accessed March 2010.
- U.S. Fish and Wildlife Service (USFWS). 2009a. New Mexico Ecological Services, Listed and Sensitive Species for Eddy County.
- U.S. Fish and Wildlife Service (USFWS). 2009b. Migratory Bird Mortality in Oilfield Wastewater Disposal Facilities. Wyoming Ecological Service Field Office – Environmental Contaminates Program.
- U.S. Fish and Wildlife Service (USFWS). 2008. Conclusion of Section 7 Consultation for the Little Canyon Project Natural Gas Development Project Proposed by XTO. FWS/R6 ES/UT 06-F-0309; 6-UT-09-F-003. Memorandum from Utah Field Supervisor, Ecological Services, West Valley City, Utah. December 4.
- U.S. Fish and Wildlife Service (USFWS). 1990. National Wetlands Inventory. Tower Hill South & Illinois Camp SE, New Mexico. 1:24,000 Scale.
- U.S. Fish and Wildlife Service (USFWS). 1984a. National Wetlands Inventory. Hobbs, New Mexico – Texas. 1:100,000 Scale. Available online at: <http://www.fws.gov/southwest/es/nwi/Raster.html>. Accessed January 11, 2010.
- U.S. Fish and Wild Life Service (USFWS). 1984b. Gypsum Wild Buckwheat (*Eriogonum gypsophilum*) Recovery Plan. Albuquerque, New Mexico: Office of Endangered Species USFWS.
- U.S. Fish and Wildlife Service (USFWS). 1981. Federal Register, 740FR 3730. Endangered and Threatened Plants; Determination of Two New Mexico Plants to be Endangered Species and Threatened Species, with Critical Habitat.
- U.S. Geological Survey (USGS). 2010. National Earthquake Information Center; Earthquake Database. [http://earthquake.usgs.gov/earthquakes/eqarchives/epic/epic\\_circ.php](http://earthquake.usgs.gov/earthquakes/eqarchives/epic/epic_circ.php). Accessed May 5, 2010.
- U.S. Geological Survey (USGS). 2009a. Minerals Yearbook: The Mineral Industry in New Mexico 2006. Internet website: <http://minerals.usgs.gov/minerals/pubs/state/nm.html>. Accessed December 4, 2009.

- U.S. Geological Survey (USGS). 2009b. National Hydrography Dataset. GIS Digital Coverage. USGS, Reston, Virginia. Available online at: <http://nhd.usgs.gov/index.html>. Accessed November 12, 2009.
- U.S. Geological Survey and New Mexico Bureau of Mines and Mineral Resources (USGS and NMBMMR). 2006. Quaternary Fault and Fold Database for the United States. <http://earthquake.usgs.gov/hazards/qfaults/>. Accessed May 5, 2010.
- U.S. Geological Survey (USGS). 2005. National Gap Analysis Program. Southwest Regional GAP Analysis Project—Land Cover Descriptions. RS/GIS Laboratory, College of Natural Resources, Utah State University.
- U.S. Geological Survey (USGS). 1933 to 2004. Minerals Yearbook, Commodity: Potash.
- U.S. Geological Survey National Gap Analysis Program (USGS). 2004. Provisional Digital Land Cover Map for the Southwestern United States. Version 1.0. RS/GIS Laboratory, College of Natural Resources, Utah State University.
- U.S. Mineral Management Service. 2009. Total Reported Royalty Revenues – New Mexico, Fiscal Year 2009. <http://www.mrm.mms.gov/MRMWebStats/StateAndOffshoreRegions.aspx?state=NM&yeartype=FY&year=2009&dateType=AY>. Accessed March 12, 2010.
- University of New Mexico Bureau of Business and Economic Research (UNM-BBER). 2008. Projected Population Projections for New Mexico and Counties, July 1, 2005 to July 1, 2035. <http://bber.unm.edu/demo/table1.htm>. Accessed March 11, 2010.
- Van Sambeek. 2008. HB Project Surface Subsidence (Revised). Technical Memorandum from Dr. Leo L. Van Sambeek to Mr. Craig Cranston, Bureau of Land Management, Carlsbad Resource Area, Carlsbad, New Mexico. December 15.
- Vine, J. D. 1960. Recent Domal Structures in Southeast New Mexico: American Association of Petroleum Geologists Bulletin Vol. 44, No. 12. December.
- Vine, J. D. 1963. The Geology of Nash Draw, Eddy County, New Mexico: U.S. Geological Survey Bulletin 1141-B.
- Walker, P. W. and R. Dello-Russo. 2009. A Cultural Resources Inventory of Two Proposed HB Monitor Wells: IP-024 and IP-025, and Associated Access Roads, Eddy County, New Mexico, for Intrepid Potash – NM, LLC. NMCRIS Activity No. 114324. Santa Fe, New Mexico: Escondida Research Group, LLC. June.
- Walker, P. W. and R. Dello-Russo. 2008a. A Cultural Resources Inventory of Three Proposed Monitor Wells: IP-015, IP-016, and IP-019 and Associated Access Roads, Eddy County, New Mexico for Intrepid Potash. NMCRIS Activity No. 108589. Santa Fe, New Mexico : Escondida Research Group, LLC Santa Fe, New Mexico. April.
- Walker, P. W. and R. Dello-Russo. 2008b. A Cultural Resources Inventory of Three Proposed HB Monitor Wells: IP-020, IP-022, and IP-030 and Associated Access Roads, Eddy County, New Mexico for Intrepid Potash. NMCRIS Activity No. 110690. Santa Fe, New Mexico: Escondida Research Group, LLC. June.
- Walker, P. W. and R. Dello-Russo. 2008c. A Cultural Resources Inventory of the Proposed Intrepid Potash – NM, LLC HB Solar Pond Project, Eddy County, New Mexico. NMCRIS Activity No. 110389. Santa Fe, New Mexico: Escondida Research Group, LLC. September.

- Walker, P. W. and R. Dello-Russo. 2008d. A Cultural Resources Inventory of the Proposed IP-40 Core Hole Location for Intrepid Potash – NM, LLC, Lea County, New Mexico. NMCRIS Activity No. 112111. Santa Fe, New Mexico: Escondida Research Group, LLC. November.
- Walker, P. W. and R. Dello-Russo. 2007. A Cultural Resources Inventory of Two Proposed Solution Wells for Intrepid Potash – NM, LLC: IP-017 and IP-018 Wells with Associated Access Roads, Eddy County, New Mexico. NMCRIS Activity No. 107825. Santa Fe, New Mexico: Escondida Research Group, LLC. September 30.
- Walsh, P. 2006. Geologic trends of oil and gas production in the Secretary of the Interior's Potash Area, Southeastern New Mexico, Final Report to the Bureau of Land Management, New Mexico Bureau of Geology and Mineral Resources Open File Report 498.
- Walter, J. C. 1953. Paleontology of Rustler Formation, Culberson County, Texas. *Journal of Paleontology*, Vol. 27, no. 5.
- Walters, R. F. 1978. Land Subsidence in Central Kansas related to Salt Dissolution. Bulletin 214. Lawrence, Kansas: Kansas Geological Survey.
- Watkins, R. Z., J. Chen, J. Pickens, and K. D. Brososke. 2003. Effects of Forest Roads on Understory Plants in a Managed Hardwood Landscape. *Conservation Biology* 17(2):411-419.
- Weller, C., J. Thomson, P. Morton, and G. Aplet. 2002. Fragmenting Our Lands: The Ecological Footprint from Oil and Gas Development – A Spatial Analysis of a Wyoming Gas Field. Washington, DC: The Wilderness Society. September.
- Western Region Climate Center (WRCC). 2010. Period of Record Monthly Climate Summary, Carlsbad FAA Airport (Station ID 291475). Internet website: <http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?nm1475>. Accessed August 9, 2010.
- Williams-Stroud, S., J. P. Searls, and R. J. Hite. 1994. Potash Resources, in Carr, D.D. (ed) *Industrial Minerals and Rocks*, 6th Edition, Society for Mining, Metallurgy, and Exploration, Inc.
- Williamson, T. E. and S. G. Lucas. 1996, February. Mammal Footprints from the Miocene Ogallala Formation, Eastern New Mexico. *New Mexico Geology* Vol. 18, Number 1.
- Wills, N. 1942. Getty-Barber Area in Bates, R.L. (compiler); *Oil and Gas Resources of New Mexico*, New Mexico School of Mines, State Bureau of Mines and Mineral Resources, Bulletin No. 18.
- Younger, D. 2009. Outdoor Recreation Planner, BLM Carlsbad Field Office. Personal communication with S. Graber, AECOM. November 20, 2009.