5.0 REFERENCES CITED

Chapter 2 Environmental Resources Information

Section 2.1 Cultural and Historic Resources

Hafermehl, Louis N. 2007.

Letter Report on National Register Evaluations of SH GAL G (Three Kuylen Barns, Stark County, North Dakota) and SH GAL H (Perdaem Barn, Stark County, North Dakota).

USDI National Park Service. 1991.

How to Apply National Register Criteria for Evaluation, prepared by the staff of the National Register of Historic Places Office. (National Register Bulletin No.15). Washington, DC: U.S. Department of the Interior, National Park Service.

Section 2.2 Climate

Jansen, Ray E. 1998.

Climate of North Dakota Report, prepared for the National Weather Service, Fargo, ND: North Dakota State University, Available from the Northern Prairie Wildlife Research Center Available on the Web: http://www.npwrc.usgs.gov/resource/habitat/climate/index.htm#contents (accessed June 2007).

National Weather Service (NWS). 2007.

NOAA Hydrologic Data Systems (NHDS) Group; Access of Historical Data. U.S. National Oceanic and Atmospheric Administration. Available on the Web: http://dipper.nws.noaa.gov/hdsb/data/archived/ (accessed June 2007).

North Dakota State Water Commission (NDSWC). 2007.

Precipitation Data Query. Available on the Web:

 $\frac{http://www.swc.state.nd.us/4DLink2/4dcgi/wellsearchform/Map\%20and\%20Data\%20Resources}{(accessed June \ 2007).}$

TRC Environmental Corporation. 2005.

Application for a Permit to Construct: South Heart Coal LLC, South Hearth Power Project, dated August 18, 2005. Windsor, Connecticut: TRC.

Section 2.3 Geology

American Society for Testing and Materials (ASTM) International. 2000.

Standard Practice for Description and Identification of Soils-Visual-Manual Procedure. (D2488-00; Book of Standards Volume: 04.08) West Conshohocken, PA: ASTM International, 11 p.

Armstrong, C.A. 1984.

Evaluation of The Hydrologic System and Potential Effects of Mining in the Dickinson Lignite Area, Eastern Slope and Western Stark and Hettinger Counties, North Dakota. (WRIR 84-4194) U.S. Geologic Survey, 35 p. Available on the Web: http://pubs.er.usgs.gov/usgspubs/wri/wri844194 (accessed June 2007).

- Berkas W.R. and S.C. Komor. 1996.
- Arsenic and Selenium in Soils and Shallow Ground Water in the Turtle Lake, New Rockford, Harvey Pumping, Lincoln Valley, and LaMoure Irrigation Areas of The Garrison Diversion Unit, North Dakota. (WRIR 96-4205) U.S. Geological Survey, 197 p. Available on the Web: http://pubs.er.usgs.gov/usgspubs/wri/wri964205 (accessed March 2010).
- Biek, Robert F. and Mark A.Gonzalez. 2001.
- The Geology of Theodore Roosevelt National Park, Billings and McKenzie Counties, North Dakota Scale 1:24,000. (Miscellaneous Series 86). Bismarck, ND: North Dakota Geological Survey, 74 p.
- Biek, Robert F. and Edward C. Murphy. 1995.
- Geology of the Davis Buttes, Dickinson North, Dickinson South, and Lehigh Quadrangles, Stark and Dunn Counties, North Dakota [Scale 1:24,000]. (Open File Report 95-1). Bismarck, ND: North Dakota Geological Survey, 64 p.
- Biek, Robert F; and Edward C.Murphy 1997.
- Dickinson Geology; a Guide to the Geology, Mineral Resources, and Geologic Hazards of the Dickinson Area [Scale 1:62500]. (Geologic Investigation, Report: GI-1). Bismarck, ND: North Dakota Geological Survey, 76 p.
- Bluemle, John P. 1975.
- Guide to the Geology of Southwestern North Dakota including Adams, Billings, Bowman, Dunn, Golden Valley, Grant, Hettinger, McKenzie, Mercer, Morton, Oliver, Sioux, Slope, and Stark counties. (Educational Series no.9). Bismarck, ND: North Dakota Geological Survey, 37 p.
- Bluemle, John P. 2000.
- *The Face of North Dakota, 3rd Edition.* (Educational Series no.26). Bismarck, ND: North Dakota Geological Survey, 205 p.
- Cant, Douglas J. 1984.
- Subsurface Facies Analysis <u>in</u> Facies Models Second Edition edited by Walker, Roger G, Geoscience Canada Reprint Series 1, Toronto, Ontario, p. 297-310.
- Carlson, C.G., and S.B. Anderson. 1965.
- Sedimentary and Tectonic History of North Dakota Part of Williston Basin: *Bulletin of the American Association of Petroleum Geologists* v. 49(11 November): pp. 1833 1846.
- Clayton, L., C.G. Carlson, W.L. Moore, G. Groenewold, F.D. Holland, Jr. and S.R. Moran. 1977. The Slope (Paleocene) and Bullion Creek (Paleocene) Formations of North Dakota, (Report of Investigation 59). Bismarck, ND. North Dakota Geological Survey, 14 p.
- Clayton, L., S.R. Moran, and J.P. Bluemle. 1980.
- Explanatory Text to Accompany the Geologic Map of North Dakota. (Report of Investigation 69). Bismarck, ND. North Dakota Geological Survey, 93 p.
- Clechenko, Elizabeth, Kelly D. Clay, Guy J. Harrington, and Cynthia A. Stiles. 2007.
- Terrestrial Records of a Regional Weathering Profile at the Paleocene-Eocene Boundary in the Williston Basin of North Dakota: *Bulletin of the Geological Society of America* v.119(3/4): pp.428-442.

Daly, D.J. 1986.

Stratigraphy and Depositional Environments of Fox Hills Formation (Late Cretaceous), Williston Basin: AAPG Rocky Mountain Section Meeting, Sept. 7 1986, Casper, Wyoming. *American Association of Petroleum Geologist (AAPG) Bulletin* v. 70(8): 1036 p.

Denson, N.M., Bachman, G.O., and Zeller, H.D. 1959.

Uranium-Bearing Lignite in Northwestern South Dakota and Adjacent Sites: in Uranium in Coal in the Western United States, U.S. Geological Surevey Bulletin 1055, pp. 11-57.

Denson, N.M. and J. R. Gill. 1965.

Uranium-Bearing Lignite and Carbonaceous Shale in the Southwestern Part of the Williston Basin – A Regional Study. (Professional Paper 463), Washington D.C. United States Geological Survey, 75 p.

Dodd, William E. 2007.

Personal communication (e-mail) from William E. Dodd (Assistant Director, North Dakota Public Service Commission, Abandoned Mine Lands Division; 600 E. Boulevard Dept. 408, Bismarck, North Dakota 58505-0480) to Ana Vargo (Geologist, Golder Associates Inc.) re: Stark County abandoned coal mine, dated January 16, 2007.

Erickson M.L. and R.J. Barnes. 2005.

Glacial Sediment Causing Regional-Scale Elevated Arsenic in Drinking Water. *Groundwater* v. 43(6): pp 796-805.

Flores, R.M. and C.W. Keighin. 1999.

Fort Union Coal in the Williston Basin, North Dakota: A Synthesis; Chapter WS <u>in</u> 1999 Resource Assessment of Selected Tertiary Coal Beds and Zones in the Northern Rocky Mountains and Great Plains Region (U.S. Geological Survey Professional Paper 1625-A). Available on the Web: http://pubs.usgs.gov/pp/p1625a/Chapters/WF.pdf (accessed January 2008).

Forsman, N.F. 1985.

Petrology of the Sentinel Butte Formation (Paleocene), North Dakota. (Ph.D. Dissertation). Grand Forks, ND: University of North Dakota, 236 p.

Frye, C.I. 1969.

Stratigraphy of the Hell Creek Formation in North Dakota. (Bulletin 54). Bismarck, ND: North Dakota Geological Survey, 65 p.

Hickey, Leo J. 1972.

Stratigraphic Summary of the Golden Valley Formation, (Paleocene-Eocene) of Western North Dakota <u>in</u> Depositional Environments of the Lignite-Bearing Strata in Western North Dakota, edited by F.T.C. Ting. (Miscellaneous Series 50). Bismarck, ND: North Dakota Geological Survey, p 105-122.

Hickey, Leo J. 1977.

Stratigraphy and Paleobotany of the Golden Valley Formation (Early Tertiary) of Western North Dakota [Scale 1:250000]. (Memoir 150). Boulder CO: Geological Society of America.

Holland, Frank D. 1957.

Guidebook for Geologic Field Trip in the Dickinson Area, North Dakota [Scale: 1:155170]. (Miscellaneous Series 5). Bismarck, ND: North Dakota Geological Survey.

Holweger, Todd. 2007.

Personal communication (e-mail) from Todd Holweger (Mineral Resources Permit Manager, NDIC DMR, Oil and Gas Div.; 314B 3rd Ave. W., Dickenson, North Dakota 58601-4938) to Ana Vargo (Geologist, Golder) re: well file No. 6369 and 4975, dated July 10, 2007.

Jacob, Arthur F. 1976.

Geology of the Upper Part of the Fort Union Group (Paleocene), Williston Basin, with Reference to Uranium. (Report of Investigation No. 58). Bismarck, ND: North Dakota Geological Survey, 49 p., 3 pl.

Keim, James W. 1961.

Report on Photogeologic Mapping of Lignites near Dickinson, Stark County, North Dakota. Unpublished report by the Northern Pacific Railway Company, 17 p.

Krauskopf, K.B. and D.K. Bird. 1995.

Introduction to Geochemistry. Third Edition. McGraw-Hill, Boston, MA. 647 p.

Lamarre, Robert A. 2003.

Hydrodynamic and Stratigraphic Controls for a Coalbed Methane Accumulation in Ferron Coals of East-Central Utah: *International Journal of Coal Geology* v. 56: pp. 97-110.

Menge, M.L. 1977.

Preliminary Report on the Coal Resources of the Dickinson Area, Billings, Dunn, and Stark Counties, North Dakota [Scale: 1:63360]. (Open File Report 77-482). Washington DC: U.S. Geological Survey, 11 p.

Merrill, S.D., J.R. Deutsch, and M.W. Pole. 1987.

Saturation Percentage, <u>in</u> Reclaiming Mine Spoils and Overburden in the Western United States, Analytic Parameters and Procedures, edited by R.D. Williams and G.E. Schuman. Ankeny, Iowa: Soil Conservation Society of America, 336 p.

Missouri River Basin Commission. 1978.

North Dakota Tributaries, Study Team Report: Volume 6 *in Report on the Yellowstone Basin and Adjacent Coal Area, Level B Study*. Omaha, NE: Missouri River Basin Commission.

Moore, George W., Melin, Robert E., and Kepferle, Roy C. 1959.

Uranium-Bearing Lignite in Southwestern North Dakota. (Bulletin 1055-E). Washington D.C. United States Geological Survey, pp. 147-166.

Moos, Dean K. 2006.

Personal communication (phone) from Dean K. Moos (Assistant Director, North Dakota Public Service Commission, Reclamation Division: 600 E. Boulevard Dept. 408, Bismarck, North Dakota 58505-0480) to Jake Waples, Ed Pottorff, Matt Rhoades, and Donna DeFrancesco (Golder) re: South Heart Overburden Drilling, dated October 12, 2006.

Moran, S.R, G.H. Groenewold, and J.A. Cherry. 1978.

Geologic, Hydrologic, and Geochemical Concepts and Techniques in Overburden Characterization for Mined-Land Reclamation. (Report of Investigation 63) Bismarck, ND: North Dakota Geological Survey, 152 p.

Munsell Color. 1998.

Munsell Soil Color Charts revised Washable Edition. New Windsor, New York: Gretag Macbeth.

Murphy, Edward C. 2006a.

Uranium Belfield 100K Sheet, North Dakota. North Dakota Geological Survey 100K Series: Blfd – u. 1:100,000. Available on the Web: https://www.dmr.nd.gov/ndgs/uraniummaps/pdf/blfd 100k u .pdf (accessed December

Murphy, Edward C. 2006b.

2008).

Uranium Dickinson 100K Sheet, North Dakota. North Dakota Geological Survey 100K Series: Dksn – u. 1:100.000. Available on the Web:

https://www.dmr.nd.gov/ndgs/uraniummaps/pdf/dksn 100k u .pdf (accessed December 2008).

Murphy, Edward C. 2007a.

Personal communication from Edward C. Murphy (Director and State Geologist, North Dakota Geological Survey; 600 East Boulevard, Bismarck, North Dakota 58505) to Ed Pottorff and Rick Kinshella (Project Manager, Golder) re: backfill procedures at North Dakota coal mines, dated October 12, 2007.

Murphy, Edward C. 2007b.

Uranium Deposits in Southwestern North Dakota. North Dakota Geological Survey Investigations No. 40. 1:360,000. Available on the Web:

https://www.dmr.nd.gov/ndgs/uraniummaps/pdf/GI-40%20rev.pdf (accessed December 2008).

Murphy, Edward C. Ed. 2008.

Mineral Resources of North Dakota: Uranium. Available on the Web: https://www.dmr.nd.gov/ndgs/Mineral/nd_uranium.asp (accessed December 2008).

Murphy, Edward C., J.W. Hoganson, and N.F. Forsman. 1993.

The Chadron, Brule, and Arikaree Formations in North Dakota: the Buttes of Southwestern North Dakota. (Report of Investigation RI-96). Bismarck, ND: North Dakota Geological Survey.

Nelson, Kraig. 2007.

Personal communication (e-mail) from Kraig Nelson (GIS Specialist, North Dakota Public Service Commission, Abandoned Mine Lands Division; 600 E. Boulevard Dept. 408, Bismarck, North Dakota 58505-0480) to Ana Vargo (Geologist, Golder) re: Abandoned coal mine data from Stark County, dated July 27, 2007.

North Dakota Industrial Commission (NDIC). 2010.

Well Search for T139N R98W and T138N R98W. *Department of Mineral Resources (DMR), Oil and Gas Division*. Available on the Web: http://www.dmr.nd.gov/oilgas/findwellsvw.asp (accessed January 2010).

Northern Pacific Railway Company (NPRC). 1963.

Preliminary Evaluation of the Dickinson Lignite Field, 6 p., 6 pls.

Price, W.A. 1997.

Guidelines and Recommended Methods for the Prediction of Metal Leaching and Acid Rock
Drainage at Minesites in British Columbia. Reclamation Section, British Columbia Ministry
of Employment and Investment, Energy and Minerals Division, British Columbia. 158 p.

Public Service Commission (PSC). 1995a.

Policy Memorandum No. 3 to Mine Operators: 1) Covering Toxic-Forming Materials with Nontoxic Material and 2) Covering Combustible Materials with Noncombustible Material, revised, dated March 8, 1995. Bismarck, ND: North Dakota Public Service Commission.

Public Service Commission (PSC). 1995b.

Policy Memorandum No. 17 to Mine Operators: Suitable Plant Growth Material (SPGM) Removal and Redistribution Under NDAC Chapter 69-05.2-15 (revised January 1, 1987), revised, dated March 8, 1995. Bismarck, ND: North Dakota Public Service Commission.

Roberts, Kris D. 1994.

A Survey of Naturally Occurring Uranium In Groundwater in Southwestern North Dakota *in Proceedings North Dakota Water Quality Symposium, March 30-31, 1994, Holiday Inn, Fargo, North Dakota*, edited by Bruce D. Saliz. Fargo, ND: North Dakota Water Resources Research Institute, pp. 284 – 294.

Royse, Chester F. 1967.

The Tongue River-Sentinel Butte Contact in Western North Dakota [Scale 1:400,000]. (Report of Investigation RI 45). Bismarck, ND: North Dakota Geologic Survey, 53 p., 1 pl.

Royse, Chester F. Jr. 1970.

A Sedimentologic Analysis of the Tongue-River-Sentinel Butte Interval (Paleocene) of the Williston basin, western North Dakota. *Sedimentary Geology* v. 4: p. 19-80.

Royse, Chester F. Jr. 1972.

The Tongue River and Sentinel Butte Formations (Paleocene) of Western North Dakota: A review, <u>in Depositional Environments of the Lignite-Bearing Strata in Western North Dakota</u>, edited by F.T.C. Ting. (Miscellaneous Series No. 50). Bismarck, ND: North Dakota Geological Survey, p 31-42.

Schlumberger. 1989.

Log Interpretation Principles/Applications. Schlumberger Educational Services, Houston, Texas.

Trapp, H. and M.G. Croft. 1975.

Geology and Ground-Water Resources of Hettinger and Stark Counties, North Dakota, Part I: Geology. (County Ground Water Studies no.16). Bismarck, ND: North Dakota State Water Commission, plates included. Available on the Web: http://www.swc.state.nd.us/4DLink9/4dcgi/GetContentRecord/PB-264 (accessed January 2008).

Towse, Donald Fredrick. 1957.

Uranium Deposits in Western North Dakota and Eastern Montana. Economic Geology, volume 52, number 8, pp. 904-913.

Tychsen, Paul Charles. 1950.

Geology and Ground-Water Hydrology of the Heart River Irrigation Project and the Dickinson Area. North Dakota. (Circular 34). Washington DC: U. S. Geological Survey, 59 pp. Available on the Web: http://www.pubs.er.usgs.gov/usgspubs/cir/cir34 (accessed January 2008).

U.S. Environmental Protection Agency (USEPA). 1994.

Acid Mine Drainage Prediction, Technical Document EPA530-R-94-036.

Section 2.4 Soils Resources

Larson, K.E., Bahr, A.F., Freymiller, W. Kukowski, R., Opdahl, D. Stoner, H., Weiser, P.K., Patterson, D. and Olson, O. 1968.

Soil Survey of Stark County, North Dakota, prepared in Cooperation with the North Dakota Agricultural Experiment Station. Washington, DC: U.S. Soil Conservation Service, 116p.

Natural Resources Conservation Service (NRCS). 2007a.

Soil Survey Geographic Database for Stark County North Dakota. Fort Worth, TX: USDA NRCS. Available on the Web: http://SoilDataMart.nrcs.usda.gov/ (accessed September 7, 2007).

NRCS. 2007b.

National Soil Survey Handbook, Title 430-VI. USDA NRCS. Available on the Web: http://soils.usda.gov/technical/handbook (accessed September 7, 2007).

NRCS. 2007c.

Official Soil Series Descriptions. USDA NRCS. Available on the Web: http://soils.usda.gov/technical/osd/index.html (accessed September 7, 2007).

NRCS. 2006.

Keys to Soil Taxonomy, 10th ed. USDA NRCS, Soil Survey Staff. Available on the Web: http://soils.usda.gov/technical/classification/tax_keys/keys.pdf (accessed September 7, 2007).

Schoeneberger, Philip J., D.A. Wysocki, E.C. Benham, and W.D. Broderson, (eds). 2002.

Field Book for Sampling and Describing Soils, Version 2.0. Lincoln, NE.: USDA Natural Resources Conservation Service, National Soil Survey Center.

Trapp, Henry, Jr. and M.G. Croft. 1975.

Geology and Groundwater Resources of Hettinger and Stark Counties, North Dakota, Part I: Geology. (County Ground-Water Studies 16). Bismarck ND: North Dakota State Water Commission. Available on the Web: http://www.swc.state.nd.us/4DLink9/4dcgi/GetContentRecord/PB-264 (accessed January 2008).

U.S. Department of Agriculture (USDA). 1993.

Soil Survey Manual. (Agriculture Handbook 18). Soil Conservation Service. Washington, D.C.: U.S. Government Printing Office. Available on the Web: http://www.soils.usda.gov/technical/manual/ (accessed January 2008).

USDA. 1999.

Soil Taxonomy; a Basic System of Soil Classification for Making and Interpreting Soil Surveys, 2nd ed. (Agriculture Handbook 436). Pittsburgh PA: Natural Resources Conservation Service, Soil Survey Staff. Available on the Web:

http://soils.usda.gov/technical/classification/taxonomy/ (accessed January 2008).

Section 2.5 Ground Water Hydrology

Armstrong, C.A. 1984.

Evaluation of the Hydrologic System and Potential Effects of Mining in the Dickinson Lignite Area, Eastern Slope and Western Stark and Hettinger Counties, North Dakota. (WRIR 84-4194) Washington D.C.: U.S. Geologic Survey, 35 p. Available on the Web: http://www.pubs.er.usgs.gov/usgspubs/wri/wri844194 (accessed June 2007).

Environmental Protection Agency (EPA). 2007.

National Primary Drinking Water Regulations. Available on the Web:. http://www.epa.gov/safewater/contaminants/index.html#listsec (accessed November 2007).

Fetter, Charles W. 1994.

Applied Hydrology, 3rd ed. Upper Saddle River, New Jersey. Prentice Hall. History.

Great Northern Power Development (GNPD). no date.

Geologic data provided at technical meeting with Golder, July 2006, Houston, Texas.

Groenewold, Gerald H. and Robert D. Koob. 1984

Hydrogeochemical Aspects of Surface Mining Reclamation in the Northern Great Plains. **Transactions of the American Society of Agricultural Engineers**. v. 27: pp.1711-1718.

Hansen, W.R. 1991.

Guidelines for Naming Aquifers <u>in Suggestions</u> to Authors of the Reports for the United States Geolgoical Survey, 7th ed., pp. 65-82.

Laney, R.L. and C.B. Davidson. 1986.

Aquifer Nomenclature Guidelines. United States Geological Survey (Open File Report 86-534).

Langmuir, Donald. 1997.

Aqueous Environmental Geochemistry. Upper Saddle River, NJ.: Prentice-Hall, 600 p.

Langmuir, Donald, P. Chrostowski, R. Chaney, and B. Vigeault. 2003.

Issue Paper on the Environmental Chemistry of Metals, submitted by ERG, Lexington, MA for the U.S. Environmental Protection Agency Risk Assessment Forum: Papers Addressing Scientific Issues in the Risk Assessment of Metals, Available on the Web: http://cfpub.epa.gov/ncea/raf/recordisplay.cfm?deid=59052 (accessed January 2008).

Moran, S.R, G.H. Groenewold, and J.A. Cherry. 1978.

Geologic, Hydrologic, and Geochemical Concepts and Techniques in Overburden Characterization for Mined-Land Reclamation. (Report of Investigation No. 63). Bismarck ND: North Dakota Geological Survey.

National Research Council. 1990.

Surface Coal Mining Effects on Ground Water Recharge, by the Committee on Ground Water Recharge in Surface-Mined Areas. Washington, D.C.: National Academy Press. Available on the Web: http://www.nap.edu/catalog/1527.html. (accessed January 2009).

National Weather Service (NWS). 2007.

NOAA Hydrologic Data Systems (NHDS) Group; Access of Historical Data. U.S. National Oceanic and Atmospheric Administration. Available on the Web: http://dipper.nws.noaa.gov/hdsb/data/archived/ (accessed June 2007).

North Dakota State Water Commission (NDSWC). 2007.

Ground and Surface Water Data Query. Web site:

http://www.swc.state.nd.us/4DLink2/4dcgi/wellsearchform/Map%20and%20Data%20Resources; (accessed October 2007).

Poland, J.F., B.E. Lofgren, and F.S. Riley. 1972.

Glossary of Selected Terms Useful in Studies of the Mechanics of Aquifer Systems and Land Subsidence due to Fluid Withdrawals. (Water Supply Paper 2035). United States Geological Survey. 9p.

Rehm, B. W., G. H. Groenewold, and K. A. Morin. 1980.

Hydraulic Properties of Coal and Related Materials, Northern Great Plains. *Ground Water*, v. 18 (6): pp. 551-561.

Trapp, H. and M.G. Croft. 1971.

Geology and Ground-water Resources of Hettinger and Stark Counties, North Dakota. Part II: Ground Water Basic Data. (County Ground Water Studies no.16). Bismarck, ND: North Dakota State Water Commission, plates included. Available on the Web: http://www.swc.state.nd.us/4DLink9/4dcgi/GetContentRecord/PB-264 (accessed January 2008).

Seaber, Paul R. 1988.

Hydrostratigraphic Units, Chapter 2 <u>in Hydrogeology</u> (The Geology of North America, v. 0-2). Boulder, Colorado: The Geological Society of America.

Trapp, H. and M.G. Croft. 1975.

Geology and Ground-water Resources of Hettinger and Stark Counties, North Dakota, Part I: Geology. (County Ground Water Studies no.16). Bismarck, ND: North Dakota State Water Commission, plates included. Available on the Web: http://www.swc.state.nd.us/4DLink9/4dcgi/GetContentRecord/PB-264 (accessed January 2008).

Whitehead, R.L. 1996.

Ground Water Atlas of the United States; Segment 8: Montana, North Dakota, South Dakota, Wyoming. (Hydrologic Investigations Atlas 730-I). Washington DC: U.S. Geological Survey. Available on the Web: http://capp.water.usgs.gov/gwa/ch_i/index.html. (accessed October 2007)

Appendix 2.5-5 Aquifer Testing at the South Heart Lignite Mine

Bouwer, H. and R.C. Rice. 1976.

A Slug Test Method for Determining Hydraulic Conductivity of Unconfined Aquifers with Completely or Partially Penetrating Wells. **Water Resources Research**. v. 12, (3) pp. 423-428.

Cooper, H. H. and C.E. Jacob. 1946.

A Generalized Graphical Method for Evaluating Formation Constants and Summarizing Well Field History. **Transactions of the American Geophysical Union**. v. 27, pp. 526-534.

Duffield, Glenn M. 2007.

AQTESOLV for Windows Version 4.5 Professional. [software] Reston, VA: HydroSOLVE, Inc.

Papadopulos, I.S. and H.H. Cooper. 1967.

Drawdown in a Well of Large Diameter. Water Resources Research v. 3 (1), pp. 241-244.

Peres, A.M., M. Onur and A.C. Reynolds. 1989.

A New Analysis Procedure for Determining Aquifer Properties from Slug Test Data. Water Resources Research v. 25 (7), pp. 1591-1602.

Appendix 2.5-8 Well Certification Program

North Dakota State Water Commission (SWC). 2008.

Ground and Surface Water Data Query. Available on the Web:

http://swc.state.nd.us/4DLink2/4dcgi/wellsearchform/Map%20and%20Data%20Resources (accessed September 19, 2008).

Section 2.6 Surface Water

Armstrong, Clarence A. 1984.

Evaluation of the Hydrologic System and Potential Effects of Mining in the Dickinson Lignite Area, Eastern Slope and Western Stark and Hettinger Counties, North Dakota. (WRIR 84-4194) U.S. Geologic Survey, 35 p. Available on the Web: http://pubs.er.usgs.gov/usgspubs/wri/wri844194 (accessed June 2007).

Biek, Robert F; and Edward C.Murphy. 1997.

Dickinson Geology; a Guide to the Geology, Mineral Resources, and Geologic Hazards of the Dickinson Area [Scale 1:62500]. (Geologic Investigation, Report: GI-1). Bismarck, ND: North Dakota Geological Survey, 76 p.

EPA. 2002.

Nutrient & Sediment TMDL Development for Patterson Lake, North Dakota. U.S. Environmental Protection Agency Region 8 and North Dakota Department of Health. 40 pgs.

EPA. 2004.

Detailed TMDL Report—South Branch Heart River, North Dakota. (TMDL ID 9812). Denver CO: U.S. Environmental Protection Agency Region 8. Available on the Web: http://iaspub.epa.gov/tmdl/waters_list.tmdl_report?p_tmdl_id=9812 (accessed January 2008).

Missouri River Basin Commission. 1978.

North Dakota Tributaries, Study Team Report; Volume 6 <u>in</u> Report on the Yellowstone Basin and Adjacent Coal Area, Level B Study. Omaha, NE: Missouri River Basin Commission.

North Dakota Department of Health (NDDH). 1998.

North Dakota 1998 Total Maximum Daily Load List. Bismarck, ND: North Dakota Department of Health, Division of Water Quality. Available on the Web:

http://www.health.state.nd.us/wq/sw/Z7_Publications/303(d)Lists/tmdl_98.pdf
(accessed January 2008).

NDDH. 2001.

Standards of Quality for Waters of the State. (Chapter 33-16-02 of the North Dakota Century Code). Bismarck, ND: North Dakota Department of Health, Division of Water Quality.

NDDH. 2006.

North Dakota 2006 Integrated Section 305(b) Water Quality Assessment Report and Section 303(d) List of Waters Needing Total Maximum Daily Loads. Bismarck, ND: North Dakota Department of Health, Division of Water Quality.

Rutledge, A.T. 1998.

Computer Programs for Describing the Recession of Ground-water Discharge and for Estimating Mean Ground-Water Recharge and Discharge from Streamflow Data – Update. (WRIR 98-4148). Washington DC: U.S. Geological Survey, 43 p.

U.S. Geological Survey (USGS). 1997.

Water Quality in the E.A. Patterson Lake Basin, North Dakota, June 1995 through May 1996. (WRIR 97-4215). Bismarck, ND: U.S. Geological Survey.

USGS. 2006.

National Elevation Dataset. Available on the Web: http://www.ned.usgs.gov/ (accessed June 2006).

USGS. 2007.

USGS Surface-water Monthly Statistics: USGS 06343000 Heart River Near South Heart, ND. Available on the Web:

http://waterdata.usgs.gov/nwis/monthly?referred_module=sw&site_no=06343000&por_06343000_1=720820,00060,1,1946-07,1984-09&format=html_table&date_format=YYYY-MM-DD&rdb_compression=file&submitted_form=parameter_selection_list (accessed November 2007).

Wax. Peter. 2006.

Lake Water Quality Assessment for Edward Arthur Patterson Lake, Stark County, North Dakota.

Bismarck, ND: North Dakota Department of Health, Division of Water Quality. Available on the
Web: http://www.health.state.nd.us/wq/sw/Z7 Publications/LakeReports/Patterson_Final.pdf
(accessed January 2008).

Williams-Sether, Tara. 1992.

Techniques for Estimating Peak-flow Frequency Relations for North Dakota Streams. (WRIR 92-4020). Washington, DC: U.S. Geological Survey.

Winter, Thomas C., R.D. Benson, R.A. Engberg, G.J. Wiche, D.G. Emerson, O.A. Crosby, and J.E. Miller. 1984.

Synopsis of Ground-water and Surface-water Resources of North Dakota. (Open File Report 84-732). Washington, DC: U.S. Geological Survey.

Section 2.7-1 Land Use

Klingebiel, A., and P. Montgomery. 1961.

Land Capability Classification. (Agriculture Handbook 210). Washington, DC: USDA Soil Conservation Service.

Natural Resources Conservation Service (NRCS). 2004.

Forage Suitability Interpretations. Electronic Field Office Technical Guide. Stark County, North Dakota. Section II. Available on the Web:: http://www.nrcs.usda.gov/technical/efotg/ (accessed December 2008).

North Dakota Public Service Commission (PSC). 2003.

Standards for Evaluation of Revegetation Success and Recommended Procedures for Pre- and Post-mining Vegetation Assessments. July. Bismarck, North Dakota.

U.S. Department of Agriculture (USDA). 2007a.

National Soil Survey Handbook, Title 430-VI. Available on the Web: http://www.soils.usda.gov/technical/handbook (accessed October 2007).

USDA. 2007b.

North Dakota Agricultural Statistics. National Agricultural Statistics Service. Available on the Web: http://www.nass.usda.gov (accessed August 2007).

Section 2.7-2 Vegetation

Bailey, Liberty H. 1949.

Manual of Cultivated Plants, Revised Edition. New York, NY: The Macmillan Company, 1116 p.

Beetle, Alan A. 1970.

Recommended Plant Names. (Research Journal 31). Laramie WY: University of Wyoming, Agricultural Experiment Station, 124 p.

Brinson, Mark M. 1993.

A Hydrogeomorphic Classification for Wetlands. (Wetlands Research Program Technical Report WRP-DE-4). Washington, DC: U.S. Army Corps of Engineers, Waterways Experiment Station, 79 p.

Gleason, H.A. and A. Cronquist. 1991.

Manual of Vascular Plants of Northeastern United States and Adjacent Canada, 2nd edition. New York NY: The New York Botanical Garden, 910 p.

Great Plains Flora Association. 1977.

Atlas of the Flora of the Great Plains. Ames, IA: Iowa State University Press, 600 p.

Great Plains Flora Association. 1986.

Flora of the Great Plains. Lawrence, KS: University Press of Kansas, 1392 p.

Hanson, Jesse. 2006.

Letter from J. Hanson (Coordinator of Planning and Natural Resources Division, North Dakota Parks and Recreation Department) to Patrick Farmer (Westech Biologist) re: Sensitive biota and communities in Stark County, North Dakota, dated June 27, 2006.

Holmgren, N.H. 1998.

Illustrated Companion to Gleason and Conquest's Manual: Illustrations of the Vascular Plants of Northeastern United States and Adjacent Canada. New York, NY: The New York Botanical Garden, 937p.

Natural Resources Conservation Service (NRCS). 2003.

Ecological Site Description: Major Land Resource Area (MLRA) 54–Rolling Soft Shale Plain, North Dakota, South Dakota and Montana. (Field Office Technical Guide) USDA NRCS, October, 2003.

NRCS 2007a.

Rangeland Similarity Index. U.S. Department of Agriculture. Natural Resources Conservation Service. ND-CPA-20. Revised June 2007.

NRCS. 2007b.

Soil Survey Geographic Database for Stark County, North Dakota. Fort Worth, TX: USDA NRCS. Available on the Web: http://SoilDataMart.nrcs.usda.gov (accessed October 2007).

North Dakota Department of Agriculture (NDDA). 2007.

Noxious Weeds Listed. (North Dakota Century Code Chapter 63-01.1 Noxious Weeds). Available on the Web: http://www.agdepartment.com/Programs/Plant/NoxiousWeeds (accessed October 2007).

North Dakota Public Service Commission (PSC). 2003.

Standards for Evaluation of Revegetation Success and Recommended Procedures for Pre- and Post-mining Vegetation Assessments (revised July 2003). Bismarck, ND: North Dakota Public Service Commission, Reclamation Division.

Stewart, Robert E. and Harold A. Kantrud. 1971.

Classification of Natural Ponds and Lakes in the Glaciated Prairie Region. (Resource Publication 92). Washington, DC: U.S. Fish and Wildlife Service, Bureau of Sport Fisheries and Wildlife, 57 p.

Welch, Guy. 2006.

Personal communication (field meetings) from Guy Welch (Vegetation Specialist, North Dakota Public Service Commission; 600 E. Boulevard Dept. 408, Bismarck, North Dakota 58505-0480) to Ken Scow (Biologist, Westech) re: Vegetation Scope of Work, dated August 18 and 22, 2006.

Zollinger, Richard. 2004.

Drought-related Livestock Poisoning by Weeds. Available on the Web: http://www.ag.ndsu.edu/disaster/drought/livestockpoisoningbyweeds (accessed October 2007).

Section 2.9 Fish and Wildlife Resources

Anderson, S.H. and K.J. Gutzwiller. 1994.

Habitat Evaluation Methods, <u>in</u> Research and Management Techniques for Wildlife and Habitats, 5th Edition, edited by Theodore A. Bookhout. Bethesda, MD: The Wildlife Society.

Berard, E. 2006.

Personal communication from E. Berard (District Fisheries Supervisor, Southwest Fisheries District, North Dakota Game and Fish Department) to P. Farmer (Biologist, Westech) re: fish in the Heart River and South Branch Heart River, dated September 25, 2006.

Coenenberg, J.B., E.J. Depuitt and W.H. Wilmuth. 1977.

Wildlife Vegetation Classification System. Bozeman, MT: Montana State University, Montana Agricultural Experiment Station.

Connelly, M.W., J.W. Gratson and M.K. Reese. 1998.

"Sharp-tailed Grouse (*Tympanuchus phasianellus*)," No. 354<u>in</u> *The Birds of North America*, edited by A. Poole and F. Gill. Philadelphia, PA: The Birds of North America Inc.

Dolton, D.D. 1993.

The Call-count survey: Historic Development and Current Procedures, <u>in</u> Ecology and Management of the Mourning Dove, edited by T.S. Baskett and others. (Wildlife Management Institute book) Harrisburg, PA: Stackpole Books.

del Hoyo, J., A Elliott and J. Sargatal (eds.). 1994.

New World Vultures to Guineafowl; v. 2 of the *Handbook of the Birds of the World*. Barcelona, Spain: Lynx Edicions.

Grondahl, Chris. 2000.

"Sparrows of North Dakota." Reprint from *North Dakota Outdoors* available at North Dakota Game and Fish Department offices.

Grondahl, Chris. and John Schumacher. 1997.

"The Owls of North Dakota." Reprint from *North Dakota Outdoors* available at North Dakota Game and Fish Department offices.

Hoberg, Ted and Cully Gause. 1992.

"Reptiles and Amphibians of North Dakota." Reprint from *North Dakota Outdoors* available at North Dakota Game and Fish Department offices.

James, F.C. and C.E. McCulloch. 2002.

Predicting Species Presence and Abundance, <u>in Predicting Species Occurrences</u>: Issues of Accuracy and Scale, edited by J. Michael Scott, and others Washington, DC: Island Press.

Kerr, R.M. 1986.

Habitat Mapping, <u>in Inventory and Monitoring of Wildlife Habitat</u>, compiled and edited by Allen Y. Cooperrider. Denver, CO: U.S. Bureau of Land Management Service Center.

NatureServe. 2007a.

NatureServe Explorer: an Online Encyclopedia of Life. Arlington, VA: NatureServe. Available on the Web:

http://www.natureserve.org/explorer/servlet/NatureServe?searchName=Haliaeetus+leucocephalus (accessed September 2007).

NatureServe. 2007b.

NatureServe Explorer: an Online Encyclopedia of Life. Arlington, VA: NatureServe. Available on the Web:

http://www.natureserve.org/explorer/servlet/NatureServe?sourceTemplate=tabular_report.wmt&loadTemplate=species_RptComprehensive.wmt&selectedReport=RptComprehensive.wmt&summaryView=tabular_report.wmt&elKey=100438&paging=home&save=true&startIndex=1&nextStartIndex=1&reset=false&offPageSelectedElKey=100438&offPageSelectedElType=species&offPageYesNo=true&post_processes=&radiobutton=radiobutton&selectedIndexes=100438&selectedIndexes=102676 (accessed September 2007).

NatureServe. 2007c.

NatureServe Explorer: an Online Encyclopedia of Life. Arlington, VA: NatureServe. Available on the Web: http://www.natureserve.org/explorer/ (accessed September 2007).

North Dakota Parks and Recreation Department (NDPRD). 2006.

Letter addressed to P. Farmer (Biologist, Westech) re: North Dakota Natural Heritage inventory species of concern and significant ecological communities within a 20-mile radius of the proposed South Heart Project, dated June 27, 2006.

Ratti, J.T. and E.O. Garton. 1994.

Research and Experimental Design, <u>in</u> Research and Management Techniques for Wildlife and Habitats, 5th Edition, edited by Theodore A. Bookhout (ed.). Bethesda, MD: The Wildlife Society.

Rich, T. No date.

Checklist of the Birds of Southwestern North Dakota. Dickinson, ND: Bureau of Land Management, Dakotas District Office.

Stewart, Robert E. 1975.

Breeding Birds of North Dakota. Fargo, ND: Tri-College Center for Environmental Studies.

Svingen, Dan and Ron Martin. 2004.

Bird Status and Distribution on the Little Missouri National Grassland: 2004. Dickinson, ND: U.S. Forest Service, Medora Ranger District.

U.S. Fish and Wildlife Service (USFWS). 2007a.

Endangered Species of North Dakota, Listed by County. USFWS Mountain-Prairie Region.

Available on the Web: http://www.r6.fws.gov/endspp/CountyLists/NORTHDAKOTA.htm
(accessed September 2007).

USFWS. 2007b.

Black-footed Ferret Fact Sheet. USFWS Mountain-Prairie Region. Available on the Web: http://www.fws.gov/mountain-prairie/species/mammals/blackfootedferret/revfact.chy.pdf (accessed September 2007).

USFWS. 2007c.

Whooping Crane Life History. Available on the Web: http://ecos.fws.gov/docs/life_histories/B003.html (accessed September 2007).

Western Technology and Engineering, Inc. (WESTECH). 1993.

Wildlife Habitat Types Effective June 1, 1993. Unpublished technical report. Helena, MT: WESTECH Environmental Services, Inc.

Section 2.10 Wetlands Appendix 2.10-1

Brinson, Mark M. 1995.

The HGM Approach Explained. National Wetlands Newsletter v. 17 (6 Nov-Dec): pp. 7-13.

Cowardin, Lewis M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979.

Classification of Wetlands and Deepwater Habitats of the United States. (FWS/ OBS-79/31). Washington, DC: U.S. Fish and Wildlife Service, Biological Services Program, 103 p.

Dorn, Robert D. 1984.

Vascular Plants of Montana. Cheyenne, WY: Mountain West Publishing, 176 p.

Environmental Laboratory. 1987.

Corps of Engineers Wetland Delineation Manual. (Technical Report Y-87-1) Vicksburg, MS: U.S. Army Engineer Waterways Experiment Station. Available on the Web: http://el.erdc.usace.army.mil/wetlands/pdfs/wlman87.pdf (accessed March 2007).

Great Plains Flora Association. 1986.

Flora of the Great Plains. Lawrence, KS: University Press of Kansas, 1392 p.

Hitchcock, C.L., A. Cronquist, M. Ownbey and J.W. Thompson. 1955-1969.

Vascular Plants of the Pacific Northwest. Seattle WA: University of Washington Press, 5 vols.

Hitchcock, C.L. and A. Cronquist. 1973.

Flora of the Pacific Northwest. Seattle, WA: University of Washington Press, 730 p.

Kuylen, Robert F. 2007.

Personal communication, interview, from Robert F. Kuylen (landowner) to Dean Culwell (Westech) re: Saline seep location, dated August 1, 2007.

Larson, G.E. 1993.

Aquatic and Wetland Vascular Plants of the Northern Great Plains. (General Technical Report RM-238). Golden, CO: U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, 681 p.

North Dakota Public Service Commission (PSC). 2003.

Standards for Evaluation of Revegetation Success and Recommended Procedures for Pre- and Post-mining Vegetation Assessments (revised July 2003). Bismarck, ND: North Dakota Public Service Commission, Reclamation Division.

Reed, P.B. 1997.

Revision of the National List of Plant Species that Occur in Wetlands. Washington, DC: U.S. Fish and Wildlife Service, 209 + 253 p.

Smith, R.D., A. Amman, C. Bartoldus and M. Brinson. 1995.

An approach for Assessing Wetland Functions Using Hydrogeomorphic Classification, Reference Wetlands, and Functional Indices. (Wetland Research Technical Report WRP-DE-9). Vicksburg, MS: U.S. Army Corps of Engineers, Waterways Experiment Station.

Stewart, Robert E. and Harold A. Kantrud. 1971.

Classification of Natural Ponds and Lakes in the Glaciated Prairie Region. (Resource Publication 92). Washington, DC: U.S. Fish and Wildlife Service, Bureau of Sport Fisheries and Wildlife, 57 p.

U.S. Army Corps of Engineers (USACE). 2006.

Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Great Plains Region, edited by J.S. Wakeley, R.W. Lichvar, and C.V. Noble (Draft for Peer Review and Field Testing, dated August 30, 2006). Vicksburg, MS: U.S. Army Engineer Research and Development Center.

USDA Natural Resources Conservation Service (NRCS). 2006.

Field Indicators of Hydric Soils in the United States; a Guide for Identifying and Delineating Hydric Soils, version 6.0. Lincoln NE: National Soil Survey Center.

USDA NRCS. 2005.

National Hydric Soils List by State. Available on the Web:

http://www.soils.usda.gov/use/hydric/lists/state.html (accessed August 2005).

USDA NRCS. No date.

Western Wetland Flora: Field Office Guide to Plant Species. Sacramento, CA: U.S. Department of Agriculture, NRCS West Region.

USDA Soil Conservation Service. 1991.

Hydric Soils of the United States. In cooperation with the National Technical Committee for Hydric Soils. (Misc. Pub. 1491; revised 9/18/02 in Federal Register)). Washington, DC: U.S. Department of Agriculture, SCS.

U.S. Fish & Wildlife Service (USFWS). 2007.

National Wetlands Inventory Data Extraction [Software that supplies shapefiles of wetland polygons]. Available on the Web at http://wetlandsfws.er.usgs.gov/NWI/download.html (accessed March 2007).

Chapter 3 Operation Plans

Ennis, S., S. Bundrock, and E. Munkhtogoo. 2007.

Memorandum on South Heart Coal Project, Slope Stability Assessment and Pit Slope Design Guidelines, prepared by Norwest Corporation, dated May 16, 2007

Barfield, Billy J., R. C. Warner, and C. T. Haan. 1983.

Applied Hydrology and Sedimentology for Disturbed Areas. Stillwater, OK: Oklahoma Technical Press.

Galatowitsch, S. M. and A. G. van der Valk. 1996.

The Vegetation of Restored and Natural Prairie Wetlands. *Ecological Applications* v. 6: pp. 102-112.

Golder Associates Inc. 2007.

Draft report on South Heart Geomorphic Field Work, August 24, 2007. Lakewood, CO: prepared by Golder Associates, Inc.

Harvey, M. D., and C.C. Watson. 1986.

Fluvial Processes and Morphological Thresholds in Incised Channel Restoration. *Water Resources Bulletin* v. 3(3): pp. 359-368.

McWhorter D.B. 1981.

Procedures for Predictive and Analysis of Selected Hydrologic Impacts of Surface Mining. Final Report Cincinnati, OH: U.S. Environmental Protection Agency, Office of Research and Development, Industrial Environmental Research Laboratory.

Rumble, M.A. 1989.

Surface Mine Impoundments as Wildlife and Fish Habitat. (General Technical Report RM-183). Fort Collins, CO: U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, 6p.

- USDA Soil Conservation Service. 1985.
- *Hydrology*; Section 4 of the SCS National Engineering Handbook. U.S. Washington, DC: USDA Soil Conservation Service.
- U.S. Department of Transportation (USDOT). 1977.
- Hydraulic Charts for the Selection of Highway Culverts. Washington DC: Federal Highway Administration, Office of Engineering, Bridge Division, Hydraulics Branch.
- U.S. National Weather Bureau (NWB). 1964.
- Rainfall Frequency Atlas of the United States for Durations from 30 Minutes to 24 Hours and Return Periods from 1 to 100 Years, prepared by David M. Hershfield. (U.S. Weather Bureau Technical Paper No. 40). Washington DC: Dept. of Commerce, Weather Bureau.
- Williams-Sether, Tara. 1992.
- Techniques for Estimating Peak-flow Frequency Relations for North Dakota Streams (WRIR 92-4020). Washington, DC: U.S. Geological Survey Water Resources Investigations Report 92-4020. Prepared in cooperation with North Dakota Department of Transportation. 57 p.

Chapter 4 Post-mining and Reclamation Plans

- Barth, R.C. 1983.
- Soil-Depth Requirements to Reestablish Perennial Grasses on Surface-Mined Areas in the Northern Great Plains. Mineral & Energy Resources. Colorado School of Mines. 1983, pp 1-20.
- Bowen, C., Schuman, G.E., Olson, R., Ingram, L. 2005.
- Influence of Topsoil Depth on Plant and Soil Attributes of Twenty-four Year Old Reclaimed Mined Land. Arid Land Research and Management. 19(3):267-284.
- Buchanan, B.A., Matt P. Owens, Tim Ramsey, and John T. Mexal. 2006.
- Evaluating Effects of Spoil Thickness and Cover Soil Depth On Vegetation Using Three Years Of Plant Cover And Production. Proceedings of the 10th Billings Reclamation Symposium June 4 through June 8, 2006, Billings, MT.
- Biondini, M. E. and E. Redente. 1986.
- Interactive Effect of Stimulus and Stress on Plant Community Diversity in Reclaimed Lands. *Reclamation and Revegetation Research* v. 4: pp. 211-222.
- DePuit, E.J., J.G. Coenenberg and C.L. Skilbred. 1980.
- Establishment of Diverse Native Plant Communities on Coal Surface-mined Lands in Montana as Influenced by Seeding Method, Mixture and Rate. (Research Report 163). Bozeman, MT: Montana State University, Montana Agricultural Experiment Station.
- Depuit, E. J. 1984.
- Potential Topsoiling Strategies for Enhancement of Vegetation Diversity on Mined Lands. Environmental Geochemistry and Health. Volume 6, Number 3 / October, 1984. pp. 115-120.
- Doll, E.C., S. D. Merrill, and G. A. Halvorson. 1984.
- Soil Replacement for Reclamation of Stripmined Lands in North Dakota. Agricultural Experiment Station, Bulletin 514, North Dakota State University, Fargo ND. July 1984, pp 1 24.

- Doll, E.C., N. C. Wollenhaupt, G. A. Halvorson and S. A. Schroeder. 1984.
- Planning and Evaluating Cropland Reclamation After Stripmining in North Dakota. Environmental Geochemistry and Health, Volume 6, Number 3. October, 1984.
- Duebbert, Harold F., Erling T. Jacobson, Kenneth F. Higgins, and Eerling B. Podell. 1981. *Establishment of Seeded Grasslands for Wildlife Habitat in the Prairie Pothole Region*. (Special Scientific Report, Wildlife No. 234). Washington, DC: U.S. Fish and Wildlife Service.
- Franzen, D. W. 2007.
- North Dakota Fertilizer Recommendation Tables and Equations: Based on Soil Test Levels and Yield Goals. (Publication SF-882). Fargo, ND: North Dakota State University Extension.

 Available on the Web: http://www.ag.ndsu.edu/pubs/plantsci/soilfert/sf882w
 httm#Table% 2014 (accessed August 2008).
- Frouz, J. 2006.
- Soil and Soil Biota in Reclaimed and Non-Reclaimed Post Mining Sites. Proceedings of the 10th Billings Reclamation Symposium June 4 through June 8, 2006, Billings, MT.
- Halvorson, G.A., S. W. Melsted, S. A. Schroeder, M. W. Pole, C. M. Smith, and E. Deibert. 1980. Root Zone Management in North Dakota Coal Mine Reclamation. North Dakota Farm Resources. 1980, Vol/issue 37:6, pp 9-23.
- Holzworth, L. 2006.
- Warm-season Grasses for "Extending the Green Period" in Eastern Montana. (Plant Material Technical Note No. MT-53). Bozeman, MT: USDA Natural Resource Conservation Service.
- Howard G. S. and Marilyn J. Samuel. 1979.
- The Value of Fresh-stripped Topsoil as a Source of Useful Plants for Surface Mine Revegetation. Journal of Range Management. January 1979, pp 76-77.
- Musslewhite, B.D., J.R. Vinson, C.R. Johnston, T.H Brown, G.W. Wendt, and G.F. Vance. 2006. *Salinity And Sodicity Interactions of Weathered Minesoils In The Four Corners Region.* Proceedings of the 10th Billings Reclamation Symposium June 4 8, 2006, Billings, MT.
- North Dakota Public Service Commission (PSC). 1985.
- Guideline for Estimating Reclamation Costs for Establishing Performance Bond Amounts for Permit Areas, dated December 31, 1985 (Revised on July 1, 2007).
- Pole, M.W., Armand Bauer, LeRoy Zimmerman, and Sigurd W. Melsted. 1979.
- Effects of Topsoil Thickness Placed on Spoilbanks on Wheat and Corn Yields in North Dakota. From the 4th Annual Canadian Land Reclamation Association Meeting. Regina, Saskatchewan. 1979. pp 139-155.
- Power, J.F., R. E. Ries, and F. M. Sandoval. 1978.
- Reclamation of Coal-Mined Land In The Northern Great Plains. Journal of Soil and Water Conservation. March-April 1978.
- Power J.F., Fred M. Sandoval, and Ronald E. Ries. 1978.
- Restoration of Productivity to Disturbed Land in the Northern Great Plains. The Reclamation of Disturbed Arid Lands. 1978, pp 33-49.

- Power, J.F., F. M. Sandoval, and R. E. Ries. 1979.
- Topsoil-Subsoil Requirements to Restore North Dakota Mined Land to Original Productivity.

 Presented before the Symposium on Surface Coal Mining and Reclamation Coal Conference & Expo V on October 23-25, 1979. Louisville, Kentucky.
- Power, J.F., F. M. Sandoval, R. E. Ries, and S. D. Merrill. 1981.
- Effects of Topsoil and Subsoil Thickness on Soil Water Content and Crop Production on a Disturbed Soil. Soil Science Society of America Journal. Volume 45, no. 1, January-February 1981, pp 124-129.
- Power, J.F.R. E. Ries and F. M. Sandoval 1982.
- Quality Parameters of Spring Wheat and Forage Crops Related to Topsoil and Subsoil Thickness. Published in Soil Sci Soc Am J 46:381-386 (1982).
- Sandoval F. M. and W. L. Gould. 1978.
- *Improvement of Saline- and Sodium-Affected Disturbed Lands.* Reclamation of Drastically Disturbed Lands. 1978, pp 485-504.
- Schladweiler, B.K., George F. Vance, David E. Legg, Larry C. Munn and Rose Haroian. 2005. Topsoil Depth Effects on a Reclaimed Coal Mine and Native Area Vegetation in Northeastern Wyoming. Proceedings of the Joint Conference of the 9th Billings Land Reclamation Symposium and the 20th Annual Meeting of the American Society of Mining and Reclamation; June 3 - 6, 2003, Billings, Mt.
- Schladweiler, B.K., G. F. Vance, D. E. Legg, L. C. Munn and R. Haroian. 2003.
- Evaluation of Topsoil Depth Effects on Various Plant Parameters within a Reclaimed Area in Northeastern Wyoming. Rangeland Ecology and Management. Vol. 58(2), March 2005. pp. 167-176.
- Schroeder, S.A., M. W. Pole and Armand Bauer. 1980.
- Water Use Efficiency as Influenced by Topsoil Thickness and Fertility on Reclaimed Land. North Dakota Farm Resources. 1980, Vol/issue 37:6, pp 24-26.
- Schuman G.E., and James F. Power. 1981.
- Topsoil Management on Mined Lands. Journal of Soil and Water Conservation. March-April 1981, Volume 36, Number 2, pp 77-78.
- Schuman, G. E. and James F. Power. 1980.
- Plant Growth as Affected by Topsoil Depth and Quality on Mined Lands. For Soil Conservation Society of American and WRCC-21 Symposium, Billings MT, March 26-27, 1980. pp 6-1 to 6-9.
- Schuman, G.E., E. M. Taylor, Jr., F. Rauzi, and B. A. Pinchak. 1985.
- Revegetation of Mined Land: Influence of Topsoil Depth and Mulching Method. Journal of Soil and Water Conservation, March-April 1985, pp 249 -252.
- USDA-Soil Conservation Service (SCS). 1981.
- Range Seeding; National Conservation Practice Standard(?) Ac. 550. (Technical Guide Notice ND-138). Bismarck, ND: U.S. Soil Conservation Service.

USDA Natural Resource Conservation Service (NRCS). 1999.

Restoration of Woody Plants Within Native Range Communities. (Plant Materials Technical Note MT-31): NRCS Montana State Office. Available on the Web:

http://www.mt.nrcs.usda.gov/technical/ecs/plants/technotes/pmtechnoteMT31.html
(accessed August 2008).

USDA NRCS. 2002a.

Tree Care and Management. (FOTG--Section I - i --Reference List--Windbreaks & Woodland Tree Care Management). NRCS North Dakota State Office. Available on the Web: http://efotg.nrcs.usda.gov/references/public/ND/Tree_Care_and_Management.pdf (accessed August 2008).

USDA NRCS. 2002b.

Design and Installation Guide: Tree / Shrub Establishment – 612 (FOTC Section IV--Conservation Practices). NRCS North Dakota State Office. Available on the Web: http://efotg.nrcs.usda.gov/references/public/ND/612 design install guide.pdf (accessed August 2008).

USDA NRCS. 2003.

The Ecological Site Information System. Available on the Web: http://esis.sc.egov.usda.gov/About.aspx (accessed August 2008).

USDA NRCS. 2006.

Land Resource Regions and Major Land Resource Areas of the United States, Caribbean and the Pacific Basin. (Handbook 296). Washington, DC. USDA Natural Resources Conservation Service.

USDA NRCS. 2007.

The PLANTS Database. Baton Rouge, LA: USDA NRCS National Plant Data Center. Available on the Web: http://plants.usda.gov (October 2007).

Vining, K.C. and Schroeder, S.A. 1993.

Compaction Amelioration on Soil Properties and Crop Yields from Reclaimed Minesoils.

Proceedings of the Sixth Billings Symposium, Planning, Rehabilitation and Treatment of Disturbed Lands, March 21-27, 1993, Billings, MT. Reclamation Research Unit Publication N. 9301.

Welch, Guy. 2007.

Personal Communication, from Sanjay Advani (Ecologist, Golder) to Guy Welch (Vegetation Specialist, North Dakota Public Service Commission; 600 E. Boulevard Dept. 408, Bismarck, North Dakota 58505-0480). re: Planting rates for native grasses and woodland revegetation, dated October 18,2007.

Zollinger, R. K. 2007.

2007 North Dakota Weed Control Guide. Fargo, ND: North Dakota State University Extension Service. Available on the Web: http://www.ag.ndsu.edu/weeds/w253/w253w.htm (accessed August 2008).