

## LIST OF PREPARERS

Throughout the EIS process, multiple individuals have contributed to EIS development in varying degrees related to their areas of expertise. Individual staff involvement has varied both in time and in level of involvement, and has ranged from development of text for the EIS and Co-lead Agencies' papers, to review of text in these documents and/or supporting documents prepared by consultants, the project proposer, and others.

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## LIST OF REFERENCES

### GENERAL INFORMATION

The Reference Section follows the general Chicago Manual of Style Guidelines, in that the following information is included in each citation, where possible, and in this order:

1. Author Last Name, First Name [followed by second author First Name Last Name, and third author First Name Last Name, etc., if applicable].
2. Year of Publication.
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For Example:

- Smith, David. 2013. *Updated Formatting Guide for NorthMet Reference List*. St. Paul, MN: The Best Printing Press.
- Smith, David and Mark Jones. 2012. *Basic Formatting for NorthMet Master Reference List*. *References Today*, 4(31): 50-62. April 1, 2012.
- Smith, David, Mark Jones, and John Doe. 2011. *Guidelines for Creating Consistency in Formatting*. Accessed: September 22, 2013. Retrieved from: <http://www.allaboutnorthmetrefs.com>

The intext citations help the reader locate the full reference information in the Master Reference List.

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For Example:

- (Smith 2013)
- (Smith and Jones 2012)
- (Smith et al. 2011)

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## MASTER REFERENCE LIST

- 1854 Treaty Authority. 2006. *1854 Treaty Authority Ceded Territory Conservation Code*. August 2, 2006.
- . 2007. *Code for Treaty Gathering*. July 24, 2007. Retrieved from:  
<http://1854treatyauthority.org/cms/files/Code%201854%20Gathering%202007.pdf>
- . 2012. *Ceded Territory Conservation Code. Final Version, Revised Edition Approved on May 5, 2012*. Retrieved from:  
<http://www.1854treatyauthority.org/cms/files/Code%201854%20Conservation%20Code%202012.pdf>
- . 2013. *1854 Treaty Authority Fishing Seasons, 2013-2014*. Board approved March 14, 2013. Retrieved from:  
<http://www.lic.wisc.edu/glifwc/Polymet/SDEIS/references/1854%20Treaty%20Authority%202013.pdf>
- Abel, R.L. 2011. *Measuring Habitat Use by Bats Using Acoustic Methods in Northeastern Minnesota*. Master's Thesis. January 2011.
- Addison, J. and E.E. McConnell. 2008. *A Review of Carcinogenicity Studies of Asbestos and Non-asbestos Tremolite and Other Amphiboles*. Regulatory Toxicology and Pharmacology Supplement, 52(1): 187-99. October 2008. Retrieved from:  
<http://www.sciencedirect.com/science/article/pii/S0273230007001493>
- AECOM. 2009a. *2009 NorthMet Mine/Forest Service Additional Parcel Northern Goshawk and Owl Survey - Final Report*. Document No. 05461-007-0400. Prepared for PolyMet Mining Corporation. August 2009.
- . 2009b. *Threatened, Endangered, and Sensitive Species and Habitat Assessment for the Proposed PolyMet Land Exchange*. Document No. 05461-004-0400. Prepared for PolyMet Mining Corporation. October 2009.
- . 2011a. *2008 NorthMet Mine/Forest Service Additional Parcel Summer Wildlife and Wetland Assessment - Final Report*. Document No. 05461-005-0400. Prepared for PolyMet Mining Corporation. May 2011.
- . 2011b. *2009 Hay Lake Parcel and McFarland Parcel Summer Wildlife and Wetland Assessment Final Report*. Document No. 05461-008-0400. Prepared for PolyMet Mining Corporation. October 2011.
- . 2011c. *Hunting Club, Lake County, and Wolf Land Parcels Fall 2010 Wildlife and Wetland Assessment Final Report*. Document No. 6018-8563-0400. Prepared for PolyMet Mining Corporation. October 2011.
- . 2011d. *Wetland, Lake Shoreline, Stream Frontage, and Floodplain Assessment for the Proposed PolyMet Land Exchange*. Document No. 05461-004-0500. Prepared for PolyMet Mining Corporation. June 2011.

- ACHP (Advisory Council on Historic Preservation). 2008. *Consultation with Indian Tribes in the Section 106 Review Process: A Handbook*. Washington D.C.: Government Printing Office. Retrieved from: <http://www.achp.gov/regs-tribes2008.pdf>
- Allan, S. 1993. *Final Report on Data Recovery Investigations of the Cedar Creek Sites, 21AK58, a Multicomponent Habitation Site*. Cedar Creek Archaeological Data Recovery Project, Archaeology Department, Minnesota Historical Society.
- AluChem, Inc. 2010. *Magnesium Hydroxide MSDS*. CAS # 1309-42-8. September 10, 2010.
- ANSI (American National Standard Institute). 2005. *Quantities and Procedures for Description and Measurement of Environmental Sound – Part 4: Noise Assessment and Prediction of Long-term Community Response*. S12.9-2205/Part 4 (Revision of ANSI S12.9-1996/Part 4). Accredited Standards Committee S12, Noise Standards. Melville, NY: Acoustical Society of America.
- Apfelbaum, S., R. Cockrell, J. Larson, D. Eppich, N. Thomas, and R. Odum. 1995. *Determination of Life Cycle Assessment Ecosystem Impact Indicators of Mining Activities for the Mesabi Iron Range, Minnesota*. October 1995.
- Apps, C.D. 2000. *Space-use, Diet, Demographics, and Topographic Associations of Lynx in the Southern Canadian Rocky Mountains: A Study*. In Ruggiero, L.F., K.B. Aubry, S.W. Buskirk, G.M. Koehler, C.J. Krebs, K.S. McKelvey, and J. R. Squires (eds.). *Ecology and Conservation of Lynx in the United States*: 351-371. Boulder, CO: University Press.
- Archer, D. 2005. *Fate of Fossil Fuel CO<sub>2</sub> in Geologic Time*. *Journal of Geophysical Research*, 110, C09S05. doi:10.1029/2004JC002626.
- Arrowhead (Arrowhead Regional Development Commission). 2014. *City of Babbitt Comprehensive Plan*. Prepared for City of Babbitt by ARDC Regional Planning Division. December 2014.
- Arzigian, C. 2008. *Minnesota Statewide Multiple Property Documentation Form for the Woodland Tradition*. Mississippi Valley Archaeology Center at the University of Wisconsin LaCrosse. Report on file at the Minnesota State Historic Preservation Office.
- Atkins, A. 2007. *Creating Minnesota: A History from the Inside Out*. St. Paul, Minnesota: Minnesota Historical Society Press. Retrieved from: [http://www.worldcat.org/title/creating-minnesota-a-history-from-the-inside-out/oclc/140101139&referer=brief\\_results](http://www.worldcat.org/title/creating-minnesota-a-history-from-the-inside-out/oclc/140101139&referer=brief_results)
- Atkinson, M.A.L. 2006. *Chapter 4: Molecular and Cellular Responses to Asbestos Exposure*. From Ronald F. Dodson, Ph.D. and Samuel P. Hammar M.D. (eds.). *Asbestos: Risk Assessment, Epidemiology, and Health Effects*. CRC Press.
- Auer, N.A. 1996. *Importance of Habitat and Migration to Sturgeons with Emphasis on Lake Sturgeon*. *Canadian Journal of Fisheries and Aquatic Sciences*, 53(S1): 152-160.
- Auer, N.A. (ed.). 2003. *A Lake Sturgeon Rehabilitation Plan for Lake Superior*. Great Lakes Fishery Commission, Miscellaneous Publication 2003-02. May 2003.
- Bailey, T.N., E.E. Bangs, M.F. Portner, J.C. Malloy, and R.J. McAvinchey. 1986. *An Apparent Overexploited Lynx Population on the Kenai Peninsula, Alaska*. *Journal of Wildlife Management*, 50(2): 279-289.



- Balogh, S.J., Y.H. Nollet, and H.J. Offerman. 2004. *A Comparison of Total Mercury and Methylmercury Export from Various Minnesota Watersheds*. Science of the Total Environment, 340: 261-270. Retrieved from: <http://www.sciencedirect.com/science/article/pii/S0048969704006370>
- Balogh, S.J., E.B. Swain, and Y.H. Nollet. 2006. *Elevated Methylmercury Concentrations and Loadings During Flooding in Minnesota Rivers*. Science of the Total Environment, 368: 138-148.
- Barbour, M.T., J. Gerritsen, B.D. Snyder, and J.B. Stribling. 1999. *Rapid Bioassessment Protocols for Use in Streams and Wadeable Rivers: Periphyton, Benthic Macroinvertebrates and Fish*, Second Edition. EPA 841-B-99-002. Washington, D.C: U.S. Environmental Protection Agency; Office of Water. Retrieved from: <http://water.epa.gov/scitech/monitoring/rsl/bioassessment/index.cfm>
- Barnard Dunkelberg. 2009. *Sitka Rocky Gutierrez Airport Final EIS*. Accessed: March 21, 2012. Retrieved from: [http://www.faa.gov/airports/environmental/records\\_decision/media/rod\\_sit\\_2009.pdf](http://www.faa.gov/airports/environmental/records_decision/media/rod_sit_2009.pdf)
- Barr (Barr Engineering). 1976. *1976 Physical Chemical Data Summary: Water Resources Monitoring, Minnamax Project, AMAX Exploration*. Minneapolis, MN.
- . 2005. *RS26 – Partridge River Level 1 Rosgen Geomorphic Survey*. Rosgen Classification Partridge River from Headwaters to Colby Lake. Draft-01. December 8, 2005.
- . 2006a. *Cumulative Wetland Effect Analysis – East Reserve Mining Project*. Prepared for Ispat Inland Mining Company. July 10, 2006.
- . 2006b. *RS02 – Hydrogeological – Drill Hole Monitoring and Data Collection – Phase 1*. Hydrogeologic Investigation – Phase 1. PolyMet NorthMet Mine Site. Draft-02. November 16, 2006.
- . 2006c. *RS10 – Hydrogeological – Drill Hole Monitoring and Data Collection – Phase 2*. Hydrogeologic Investigation – Phase II. PolyMet NorthMet Mine Site. Draft-02. November 16, 2006.
- . 2006d. *RS14 – Wetland Delineation and Wetland Functional Assessment Report*. Draft-02. November 20, 2006.
- . 2006e. *RS44 – Wetland Hydrology Study Report*. Draft-02. November 20, 2006.
- . 2006f. *RS64 – Technical Memorandum: Existing Tailings Basin Water Information*. Draft-01. February 7, 2006.
- . 2006g. *RS 70 – Mercury Deposition and Bioaccumulation Cumulative Impact Report, Cumulative Impacts Analysis, Minnesota Iron Range Industrial Development Projects, Mercury Deposition and Evaluation of Bioaccumulation in Fish in Northeast Minnesota*. November 2006.
- . 2006h. *RS71 – Cumulative Impacts Analysis, Minnesota Iron Range Industrial Development Projects, Assessment of Potential Visibility Impacts in Federal Class I Areas in Minnesota*. November 2006.
- . 2007a. *RS10A – Hydrogeological – Drill Hole Monitoring and Data Collection – Phase 3*. Hydrogeologic Investigation – Phase III. March 2007.

- . 2007b. *RS14 – Supplemental Information to the Wetland Delineation Report*. Addendum 01. Submitted in support of the PolyMet Mining Corp.'s NorthMet Mine and Ore Processing Facilities Project Detailed Project Description. September 2007.
- . 2007c. *RS22 – Mine Waste Water Management for the PolyMet NorthMet Mine Site*. Technical Detail Report. Draft-02. October 17, 2007.
- . 2007d. *RS29T – Technical Design Evaluation Report - Wastewater Treatment Technology NorthMet Project*. Draft-02. March 30, 2007. Addendum, October 2007.
- . 2007e. *RS52 – PolyMet Technical Design Evaluation Report - Mine Closure Plan Report*. July 2007.
- . 2007f. *RS55T – Tailings Basin Modifications to Eliminate Water Release via Seepage*. PolyMet Technical Design Evaluation Report. Draft-02. February 13, 2007.
- . 2007g. *RS63 – Technical Memorandum: Updated PolyMet Mining Baseline Surface Water Quality Information Report*. Draft-02. June 29, 2007.
- . 2007h. *RS76 – Technical Memorandum: Summary and Interpretation of Surface Water Quality Monitoring Data, PolyMet Mining Company*. June 29, 2007.
- . 2007i. *Technical Memorandum: Results of Autumn 2007 Field Surveys for Botrychium rugulosum at PolyMet Mine Site*. November 7, 2007.
- . 2007j. *RS70 – Addendum 01, Supplemental Information to the November 2006 Air Quality Cumulative Impact Assessment Report on Mercury Deposition and Evaluation of Bioaccumulation in Fish in Northeast Minnesota*. August 2007.
- . 2007k. *RS58A – Emission Control Technology Review for NorthMet Project Processing Plant*. October 2007.
- . 2007l. *RS61 – Fiber Information, NorthMet Mine and Ore Processing Facilities Project, Fibers Data Related to the Processing of NorthMet Deposit Ore*. Draft-03. June 2007.
- . 2007m. *RS58B – Emission Control Technology Review for NorthMet Project Mine Site*. Draft-02. September 2007.
- . 2008a. *RS74 – External Memorandum: Changes to the Tailings Basin Flows in the Embarrass River Watershed*. Memo to J. Scott and S. Arkley from K. Wenigmann, G. Williams, and M. Wong. October 14, 2008.
- . 2008b. *Technical Memorandum: Lined Tailings Basin Alternative – EIS Data Request*. From Gregg Williams, Mark Jacobson, Cheryl Feigum at Barr Engineering Company to the PolyMet Project File. Project No. 23/69-862-006-001. April 8, 2006.
- . 2008c. *RS13B – Tailings Basin – Mitigation Design Water Balance*. Draft-01. September 8, 2008.
- . 2008d. *RS22B – Mine Site Model Report, Appendix B: Groundwater Modeling of the NorthMet Mine Site*. Draft-03. St. Paul, Minnesota.
- . 2008e. *RS73B – Streamflow and Lake Level Changes: Hydrologic/Hydraulic Modeling Results for the PolyMet NorthMet Mine Site*. Draft-03. September 12, 2008.

- . 2008f. *RS74A – Surface Water and Groundwater Quality Modeling: Mine Site*. Draft-02. September 16, 2008.
- . 2008g. *RS74B – Surface Water and Groundwater Quality Modeling: Plant Site*. Draft-02. September 14, 2008.
- . 2008h. *Technical Memorandum: Indirect Wetland Impacts at the Mine Site*. From Cheryl Feigum, Mark Jacobson at Barr Engineering Company to Jon Ahlness, Steve Dewar. Project No. 23/69/-862-008-002. June 2, 2008.
- . 2008i. *Technical Memorandum: Plant Site Groundwater Impacts Predictions*. November 12, 2008.
- . 2008j. *Technical Memorandum: Water Quality Estimates for LTVSMC Tailings Basin Cell 2E and Cell 2W Seepage*. February 8, 2008.
- . 2008k. *Technical Memorandum: Wetland Impacts - Tailings Basin Mitigation Alternative*. From Mark Jacobson, Cheryl Feigum at Barr Engineering Company to Jon Ahlness, Stuart Arkley. Project No. 23/69/-862-006-001. June 2, 2008.
- . 2008l. *Technical Memorandum: Wetland Impacts - Tailings Basin Mitigation Alternative*. From Mark Jacobson, Cheryl Feigum at Barr Engineering Company to Stuart Arkley. Project No. 23/69/-862-006-001. May 28, 2008.
- . 2008m. *RS20T – Wetland Mitigation Plan*. Report Prepared for PolyMet Mining, Inc. Draft-04. January 15, 2008.
- . 2008n. *RS57A – Stationary Point and Fugitive Source Emission Calculations for the NorthMet Project Plant Site*. November 2008. Updated March 5, 2012.
- . 2008o. *Long-Range Hydrology Study Final Report*. Prepared for Northshore Mining Company. November 2008.
- . 2009a. *Cumulative Effects Analysis of Wildlife Habitat and Threatened and Endangered Wildlife Species: Keetac Expansion Project*. Prepared for U.S. Steel. February 2009.
- . 2009b. *2009 Wild Rice and Sulfate Monitoring: Spring Mine Creek, Embarrass River, Partridge River, Pike River, and Lower St. Louis River*. Prepared for PolyMet Mining Inc. – NorthMet Project. DRAFT. September 2009.
- . 2009c. *Technical Memorandum: Colby Lake Water Quality Samples*. April 7, 2009.
- . 2009d. *Technical Memorandum: Results of Residential Well Sampling North of LTVSMC Tailings Basin*. January 27, 2009.
- . 2009e. *Technical Memorandum: Results of Tailings Basin Hydrogeological Investigation*. June 2, 2009.
- . 2009f. *Technical Memorandum: Tailings Basin Area Geologic and Hydrogeologic Setting*. Memo to Stuart Arkley, MDNR, from Tom Radue and Tina Pint, Barr Engineering. April 2, 2009.
- . 2009g. *NorthMet Project Greenhouse Gas and Climate Change Evaluation Report*. Prepared for PolyMet Mining Inc. Minneapolis, Minnesota. June 2009.

- . 2009h. *Technical Memorandum: TB-1 Preliminary Results of Site-Specific Soil Sorption Tests: Tailings Basin Area*. To Jim Scott, PolyMet, from Don E. Richard. June 24, 2009.
- . 2010a. *2009 Wild Rice Survey and Sulfate Monitoring Report*. Prepared for Mesabi Nugget Phase II.
- . 2010c. *Technical Memorandum: Results from the Additional Baseline Monitoring for Sulfate and Methylmercury in the Embarrass River Watershed, July – November 2009*. April 9, 2010.
- . 2010d. *Wetland Hydrology Monitoring Report 2007-2009*. Prepared for PolyMet Mining, Inc. March 2010.
- . 2010e. *Peter Mitchell Pit Concept Mitigation Plan: Aquatic Habitat Enhancement through In-Pit Disposal of Overburden and Rock*. Prepared for Northshore Mining Company. May 2010.
- . 2011a. *2010 Wild Rice and Water Quality Monitoring Report: Second Creek, Spring Mine Creek, Trimble Creek, Unnamed Creek (PM 11), Wyman Creek, Embarrass River, Partridge River, Pike River, and St. Louis River*. Prepared for PolyMet Mining Corporation. January 2011.
- . 2011b. *Aquatic Biota Survey Report for the NorthMet Project*. Prepared for PolyMet Mining Corporation. August 2011.
- . 2011c. *Mineral Character Determination Related to Exchange of Lands Between PolyMet Mining and USFS*. Prepared for PolyMet Mining Corporation. December 1, 2011.
- . 2011d. *NorthMet Project Baseline Wetland Type Evaluation*. Report Prepared for PolyMet Mining, Inc., Hoyt Lakes, Minnesota. April 2011.
- . 2011e. *Proposed Water Management Plans*. Mesabi Nugget Phase II Project. Prepared for Mesabi Mining, LLC. February 2011.
- . 2011f. *NorthMet Mine and Ore Processing Facility Project, Mineral Fibers Data Related to the Processing of NorthMet Deposit Ore, Addendum 02*. Fine Particle Air Emission Control Technology Update. December 2011. Version 2.
- . 2011g. *Work Plan for a Supplemental Air Emissions Risk Analysis (AERA) for the NorthMet Mine Site, Version 2*. November 14, 2011.
- . 2011h. *NPDES Field Studies Report - SD026*. Prepared for Cliffs Erie LLC. and Polymet Mining Inc. September 2011.
- . 2011i. *Technical Memorandum: Comparison of Hydrogeologic Setting – Canisteo Pit, Minntac Mine near Kinney, and NorthMet Mine Site*. May 22, 2011.
- . 2011j. *Zim Sod Wetland Mitigation Site Wetland Mitigation Plan. Preliminary Wetland Mitigation Plan 2011*. Prepared for PolyMet Mining, Inc., Hoyt Lakes, Minnesota. November 2011.
- . 2011k. *NPDES Field Studies Report - SD033*. September 2011.
- . 2011L. *NPDES Field Studies Report - Tailings Basin*. September 2011.
- . 2012a. *2011 Wild Rice and Water Quality Monitoring - Second Creek, Spring Mine Creek, Trimble Creek, Unnamed Creek PM 11, Wyman Creek, Embarrass River, Partridge River, and Pike River*. February 2012.

- . 2012b. *Cumulative Impacts Analysis: Local Mercury Deposition and Bioaccumulation in Fish*. Prepared for PolyMet Mining, Inc. July 2012.
- . 2012c. *NorthMet Mine Site Water Modeling Work Plan, Version 6*. February 14, 2012.
- . 2012d. *NorthMet Plant Site Water Modeling Work Plan, Version 6*. July 2, 2012.
- . 2012e. *Memo: Partridge River Hydrologic Impacts-XP-SWMM Results*. From Greg Williams, Barr Engineering to Mike Liljegren, MDNR. December 10, 2012.
- . 2012f. *Technical Memorandum: Summary of Water Related Model Calibrations and Plant Site Corroborations*. From Greg Williams, Barr Engineering, to Erik Carlson, MDNR. July 24, 2012.
- . 2012g. *NorthMet Memorandum: Traffic Information*. February 8, 2012.
- . 2012h. *Class I Area Air Dispersion Modeling, Version 2*. May 2012.
- . 2012i. *Class II Mine Site Air Quality Dispersion Modeling Report, Version 2*. August 2012.
- . 2012j. *Class II Plant Site Air Quality Dispersion Modeling Report, Version 2*. November 2012.
- . 2012k. *Mercury Emission Control Technology Review for NorthMet Project Processing Plant, Version 2*. February 2012.
- . 2012l. *Green House Gas and Climate Change Evaluation, NorthMet Project*. June 2012.
- . 2012m. *Technical Memorandum: Response to Questions on Saline Groundwater*. From John Swenson and Jere Mohr, Barr, to Bill Johnson, MDNR. September 7, 2012.
- . 2012n. *Technical Memorandum: Results of Sensitive Plant Species Surveys along Dunka Road and Pipeline Route*. Minneapolis, Minnesota. Original date: August 8, 2008. Revised February 3, 2012.
- . 2012o. *Cumulative Impacts Analysis, Assessment of Potential Visibility Cumulative Impacts in Federal Class I Areas in Minnesota, Version 3*. January 2012.
- . 2012p. *Technical Memorandum: Mine Site Surficial Aquifer Dataset Size*. From Tina Pint, Barr, to Tom Hingsberger, USACE; Tom Hale, USFS; and Erik Carlson, MDNR. July 6, 2012.
- . 2012q. *Table 3A: Attachment to Form AQDMR-01: NorthMet Plant Site Alone NAAQS/MAAQS Modeling Results*. In *Class II Plant Site Air Quality Dispersion Modeling Report, Version 1*. August 2012.
- . 2012r. *RS57 – Stationary Point and Fugitive Source Emission Calculations for the NorthMet Project Plant Site*. November 2008. Updated March 5, 2012.
- . 2013a. *CDF059 Tributary Flow Augmentation, Version 4*. January 25, 2013.
- . 2013c. *NorthMet Project - Local Mercury Deposition and Bioaccumulation in Fish, Addendum 01*. March 13, 2013.
- . 2013d. *Potential Emissions – Processing Plant*. Hoyt Lakes, Minnesota.
- . 2013f. *Final Pilot Testing Report*. Plant Site Wastewater Treatment Plant Pilot Testing Program. Prepared for PolyMet Mining Inc. January 2013.
- . 2013h. *CDF061 – Plant Site Groundwater Flow Method, Version 1*. January 17, 2013.

- . 2013i. *Supplemental Air Emissions Risk Analysis (AERA) – Mine Site, Version 3*. February 21, 2013.
- . 2013j. *Supplemental Air Emissions Risk Analysis (AERA) – Plant Site, Version 3*. March 25, 2013.
- . 2013k. *Technical Memorandum: NorthMet Flotation Tailings Basin: Containment System Effects on Slope Stability*. April 19, 2013.
- . 2013l. *2012 Wild Rice and Water Quality Monitoring Summary*. Prepared for PolyMet Mining Inc. January 2013.
- . 2013m. *CDF062 Colby Lake Probabilistic Water Quality, Version 2*. January 31, 2013.
- . 2013o. *Rosgen Classification: Unnamed Creek South of Dunka Road*. Prepared for PolyMet Mining, Inc. September 2013.
- . 2013p. *Technical Memorandum: Wildrice Survey Results Summary*. From Rachel Walker, Barr, to Bill Johnson, MDNR; Shirley Frank, USFS; Doug Bruner, USACE. November 5, 2013.
- . 2013q. *Patridge River Level 2 Rosgen Geomorphic Survey. Rosgen Classification: Patridge River above Dunka Road*. Prepared for PolyMet Mining, Inc. September 2013.
- . Personal Communication. Email from Christie Kearney (Barr) RE: Vegetation Section. February 6, 2013.
- . 2014a. *Memorandum: Requested Baseline Information [for Road Traffic]*. From Pat Sheehy, Barr to Yinka Afon, ERM. November 4, 2014
- . 2014b. *Hydrogeology of Fractured Bedrock in the Vicinity of the NorthMet Project*. December 2014.
- . 2014c. *Mercury Overview: A Summary of Potential Mercury Releases from the NorthMet Project and Potential Effects on the Environment*. Prepared for PolyMet Mining, Inc. September 2014.
- . 2014d. *Technical Memorandum: Ongoing Groundwater and Surface Water Data Collection for NorthMet Water Quality Modeling - Version 1*. June 20, 2014.
- . 2014e. *Technical Memorandum: NorthMet FTB East Dam Conceptual Model – Draft 02*. June 20, 2014.
- . Personal Communication. Email from Pat Sheehy (Barr) to Adeyinka Afon (ERM) RE: Offsite rail and road traffic baseline information. November 6, 2014.
- . 2015a. *Technical Memorandum: Results of County Well Index Review*. February 2, 2015.
- . 2015b. *Groundwater Modeling of the NorthMet Flotation Tailing Basin Containment System – Supporting Document for Water Management Plan – Plant Site (Attachment C)*. January 2015.
- . 2015c. *Groundwater Modeling of the NorthMet Plant Site, Supporting Document for Water Modeling Data Package, Volume 2 – Plant Site*. January 2015.
- . 2015d. *Sensitivity Analysis of the NorthMet Water Quality Model – Version 2*. Barr Engineering January 2015.
- . 2015e. *Memorandum: Groundwater Containment System Modeling in GoldSim – Version 3*. From Barr Engineering to Jennifer Saran, PolyMet Mining, Inc. January 21, 2015.

- . 2015f. *Mercury Overview: A Summary of Potential Mercury Releases from the NorthMet Project and Potential Effects on the Environment*. Prepared for PolyMet Mining, Inc. March 2015.
- . 2015g. *Technical Memorandum: NorthMet Project: Estimate of Mercury Loading to the Lower St. Louis River, Version 3*. From Cliff Twaroski and Denise Levitan to Richard Clark, MPCA. January 28, 2015.
- . 2015h. *Memorandum: Summary of Project Impacts to Partridge Rive Average Annual Hydrology*. From Greg Williams to Bill Johnson, MDNR. March 24, 2105.
- . 2015i. *Memorandum: Summary of Existing Conditions Hydrology in the Partridge River and Embarrass River*. From Greg Williams to Bill Johnson, MDNR. March 24, 2015.
- . 2015j. *Technical Memorandum: Potential Indirect Wetland Impacts, Fragmentation*. From Barr Engineering Company to Lisa Faye, Colleen Allen, and Ralph Augustin, MDNR. March 27, 2015.
- . 2015k. *Aitkin Wetland Mitigation Site Hydrology Monitoring, 2012-2014*. Prepared for PolyMet Mining, Inc. April 2015.
- . 2015l. *Hinkley Wetland Mitigation Site Hydrology Monitoring, 2014*. Prepared for PolyMet Mining, Inc. April 2015.
- . 2015m. *Zim Wetland Mitigation Site Hydrology Monitoring, 2012-2014*. Prepared for PolyMet Mining, Inc. April 2015.
- Barr (Barr Engineering) and HC Itasca. 2009. *Dissolved Solids and Chemical Balance – Mesabi Nugget Phase II Project*. Draft 01. Prepared for Steel Dynamics, Inc. Mesabi Mining, LLC. by Barr Engineering and HC Itasca. December 14, 2009.
- Bassett Acoustics. 2004. *Environmental Impact Statement for the Clermont Coal Mine Project*. Queensland, Australia. August 2004.
- BBER (Bureau of Business and Economic Research). 2009. *The Economic Impact of Non-Ferrous Mining on the State of Minnesota and the Arrowhead Region and Douglas County, WI*. Duluth, MN: University of Minnesota Duluth, Labovitz School of Business and Economics, Bureau of Business and Economic Research. March 2009.
- . 2012. NorthMet Economic Impact. 2011. *Update: Economic Impact of PolyMet’s NorthMet Project on St. Louis County, Minnesota*. Duluth, MN: University of Minnesota Duluth, Labovitz School of Business and Economics, Bureau of Business and Economic Research. March 2012.
- Bell Museum (Bell Museum of Natural History). 2011. *Bell Museum of Natural History Vascular Plant Database*. Saint Paul, MN: University of Minnesota Herbarium. Accessed: August 16, 2011. Retrieved from: <http://www.bellmuseum.umn.edu/research-collections/plants/minnesota-flora>
- . 2014. *Carex ormostachya*. *Bell Museum Digital Records of Plant Specimens Located in the University of Minnesota Herbarium*. Accessed: October 13, 2014. Retrieved from: <http://search.bellmuseum.umn.edu/>
- Benton-Banai, E. 1988. *The Mishomis Book: The Voice of the Ojibway*. St. Paul, MN: Indian County Press and Publications, Inc.

- Berman and Crump. 2003. *Final Draft: Technical Support Document for a Protocol to Assess Asbestos-Related Risk*. Berman and Crump Protocol, Prepared for Office of Solid Waste and Emergency Response. Washington DC: USEPA. Original version September 4, 2001, updated in 2003.
- Berndt, M.E. 2003. *Mercury and Mining in Minnesota*. Minerals Coordinating Committee, Final Report. Submitted June 30, 2003, Revised October 15, 2003. Retrieved from:  
[http://files.dnr.state.mn.us/lands\\_minerals/mercuryandmining.pdf](http://files.dnr.state.mn.us/lands_minerals/mercuryandmining.pdf)
- Berndt, M.E. and T.K. Bavin. 2012a. *Methylmercury and Dissolved Organic Carbon Relationships in a Wetland-rich Watershed Impacted by Elevated Sulfate from Mining*. Environmental Pollution, 161. February 2012. doi:10.1016/j.envpol.2011.06.006.
- . 2012b. *On the Cycling of Sulfur and Mercury in the St. Louis River Watershed, Northeastern Minnesota: An Environmental and Natural Trust Fund Final Report*. St. Paul, MN: Minnesota Department of Natural Resources. August 15, 2012.
- Berndt, M.E., J. Jeremiason, and B.Von Kroff. 2014. *Hydrologic and Geochemical Controls on the St. Louis River Chemistry with Implications for Regulating Sulfate to Control Methylmercury Concentrations*. November 3, 2014. Retrieved from:  
[http://files.dnr.state.mn.us/lands\\_minerals/reclamation/berndt\\_et\\_al\\_2014.pdf](http://files.dnr.state.mn.us/lands_minerals/reclamation/berndt_et_al_2014.pdf)
- Bettis, E.A. III and D.M. Thompson. 1981. *Holocene Landscape Evolution in Western Iowa - Concepts, Methods, and Implications for Archaeology*. In S.F. Anfinson (ed.). Current Directions in Midwestern Archaeology: Selected Papers from the Mankato Conference, pp. 1–14. Occasional Papers in Minnesota Archaeology, 9. St. Paul, MN: Minnesota Archaeological Society.
- Bies, D. and C. Hansen. 2009. *Engineering Noise Control, Fourth Edition*. New York, NY: Taylor & Francis.
- Bloom, N.S. 1992. *On the Chemical Form of Mercury in Edible Fish and Marine Invertebrate Tissue*. Canadian Journal of Fisheries and Aquatic Sciences, 49(5): 1010-1017.
- Boreal (Boreal.org). Personal Communication. Email from Margaret Watkins (Boreal.org) RE: VIC Files and PolyMet (Old LTV Tailings Basin). April 13, 2009.
- Bottomley, D.J. 1996. *A Review of Theories on the Origins of Saline Waters and Brines in the Canadian Precambrian Shield*. Wastes and Impacts Division, Directorate of Fuel Cycles and Materials Regulation. Atomic Energy Control Board: Ottawa, Canada. February 1996.
- Brand, C.J. and L.B. Keith. 1979. *Lynx Demography during a Snowshoe Hare Decline in Alberta*. Journal of Wildlife Management, 43(4): 827-849.
- Branfireun, B.A., N.T. Roulet, C.A. Kelly, and J.W.M. Rudd. 1999. *In Situ Sulphate Stimulation of Mercury Methylation in a Boreal Peatland: Toward a Link Between Acid Rain and Methyl Mercury Contamination in Remote Environments*. Global Biochemical Cycles, 13(3): 743–750.
- Branfireun, B.A., K. Bishop, N.T. Roulet, G. Granberg, and M. Nilsson. 2001. *Mercury Cycling in Boreal Ecosystems: The Long-term Effect of Acid Rain Constituents on Peatland Pore Water Methylmercury Concentrations*. Geophysical Research Letters, 28(7): 1227-123.



- Branfireun B.A. and N.T. Roulet. 2002. *Controls on the Fate and Transport of Methylmercury in a Boreal Headwater Watershed, Northwestern Ontario, Canada*. Hydrology and Earth System Science, 6(4): 785–794.
- Breneman, D. 2005. *Stream and Wetland Biological Survey*. NRRI Technical Report Number NRRI/TR-2005/05. Prepared for PolyMet Mining Corporation. February 2005.
- Brooks, K.N. 1992. *Chapter 10: Surface Hydrology*. In Wright, H.E. (ed.). *The Patterned Peatlands of Northern Minnesota*, 153-162. Minneapolis: University of Minnesota Press.
- Burdett, C.L. and G.J. Niemi. 2002. *Conservation Assessment for Three-toed Woodpecker (Picoides tridactylus)*. Prepared for USDA. Forest Service (USFS). October 2002.
- Burns, Mary. 1985. *Preliminary Survey of Historical Routes and Trails in Northern Wisconsin and Upper Michigan*. Mercer, WI: Sigurd Olson Environmental Institute.
- Business Journal (Minneapolis/St. Paul Business Journal). 2014. *U.S. Steel Cancels Minnesota Mine Expansion*. September 17, 2014. Retrieved from: <http://www.bizjournals.com/twincities/news/2014/09/17/ussteel-cancels-keetac-mine-expansion-keewatin.html>
- Buskirk, S.W., L.F. Ruggiero, and C.J. Krebs. 2000. *Habitat Fragmentation and Interspecific Competition: Implications for Lynx Conservation*. In Ruggiero, L.F., K.B. Aubry, S.W. Buskirk, G.M. Koehler, C.J. Krebs, K.S. McKelvey, and J. R. Squires (eds.). *Ecology and Conservation of Lynx in the United States*, 83-100. Boulder, CO: University Press.
- BWSR (Minnesota Board of Water and Soil Resources). 2009. *Section 3.2: Wetland Base Data: Hennepin Conservation District Wetland Inventory*. MnRam (Minnesota Routine Assessment Method) Guidelines. July 14, 2009.
- Carlisle, D.M., M.R. Meador, T.M. Short, C.M. Tate, M.E. Gurtz, W.L. Bryant, J.A. Falcone, and M.D. Woodside. 2013. *The Quality of Our Nation's Waters—Ecological Health in the Nation's Streams, 1993–2005*. U.S. Geological Survey Circular 1391. Retrieved from: <http://pubs.usgs.gov/circ/1391/>
- CEQ (Council on Environmental Quality). 1981. *Memorandum to Agencies: Forty Most Asked Questions Concerning CEQ's National Environmental Policy Act Regulations: 2a. Alternatives Outside the Capability of Applicant or Jurisdiction of Agency*. Retrieved from: <http://energy.gov/sites/prod/files/G-CEQ-40Questions.pdf>
- . 1997. *Considering Cumulative Effects under the National Environmental Policy Act*. Executive Office of the President. Washington, DC. January 1997. Retrieved from: [http://energy.gov/sites/prod/files/nepapub/nepa\\_documents/RedDont/G-CEQ-ConsidCumulEffects.pdf](http://energy.gov/sites/prod/files/nepapub/nepa_documents/RedDont/G-CEQ-ConsidCumulEffects.pdf)
- . 2010. *Draft NEPA Guidance on Consideration of the Effects of Climate Change and Greenhouse Gas Emissions*. February 18, 2010. Retrieved from: <https://www.whitehouse.gov/sites/default/files/microsites/ceq/20100218-nepa-consideration-effects-ghg-draft-guidance.pdf>

- CFR (Code of Federal Regulations). *Code of Federal Regulations (Annual Edition)*. Washington, D.C.: U.S. Government Printing Office. Retrieved from:  
<http://www.gpo.gov/fdsys/browse/collectionCfr.action?collectionCode=CFR>
- Chester, A.H. 1902. *Explorations of the Iron Regions of Northern Minnesota, During the Years 1875 and 1880*. St. Paul, Minnesota. May 3, 1902.
- Chisholm, I. 2006. *Memorandum Addressing Monitoring Template for Addressing Geomorphological Impact of Mining in the Northeast*. November 27, 2006.
- Christian, D.P. 1993. *Distribution and Abundance of Bog Lemmings (Synaptomys Cooperi and S.Borealis) and Associated Small Mammals in Lowland Habitats in Northern Minnesota Sensitive Small Mammals of the Chippewa National Forest*. Prepared for John Mathisen, CNF, and Rich Baker, MDNR. March 1993.
- City of Babbitt. 1996. *Zoning Ordinance for the City of Babbitt*. Hard copy on file with the City of Babbitt, Babbitt Minnesota. Accessed: October 6, 2011.
- ClearTech Industries Inc. 2010. *Potassium Permanganate MSDS*. April 1, 2010.
- Cleland, D.T., P.E. Avers, W.H. McNab, M.E. Jensen, R.G. Bailey, T. King, W.E. Russell. 1997. *National Hierarchical Framework of Ecological Units*. In Boyce, M. S. and A. Haney, A. (eds.). 1997. *Ecosystem Management Applications for Sustainable Forest and Wildlife Resources*, 181-200. New Haven, CT: Yale University Press.
- Cleland, D.T., Charles E. and Richard A. Carlson, Jr. 2002. *The Elders Speak: Natural Resource use by the Forest County Potawatomi Community*. Report prepared for the Forest County Potawatomi Community by Aurora Associates.
- Cliffs Erie. 2009. *Cliffs Erie Tailings Basin Monitoring Surface Water and Ground Water Sampling Results*. May 2009.
- Clifton, J.A., G. Cornell, and J.M. McClurken. 1986. *People of the Three Fires: the Ottawa, Potawatomi and Ojibwe of Michigan*. Grand Rapids: Michigan Indian Press.
- Climate Registry, The. 2008. *Accurate, Transparent, and Consistent Measurement of GHGs Across North America*. General Reporting Protocol. Version 1.1. May 2008.
- Clinton, President William J. 1994. *Memorandum on Government-to-Government Relations with Native American Tribal Governments*. April 29, 1994. Retrieved from:  
<http://www.gpo.gov/fdsys/pkg/WCPD-1994-05-02/pdf/WCPD-1994-05-02-Pg936.pdf>
- Cochran, P.A and T.C. Pettinelli. 1987. *Northern and Southern Brook Lampreys (Ichthyomyzon fassor and I. gagei) in Minnesota*. Prepared for Conservation Biology Research Grants Program, Division of Ecological Services, MDNR.
- Coffin, B.A., and L. Pfannmuller, eds. 1988. *Minnesota's Endangered Flora and Fauna*. Minneapolis, MN: University of Minnesota Press.
- Compeau, G.C. and R. Bartha. 1985. *Sulfate-reducing Bacteria: Principal Methylators of Mercury in Anoxic Estuarine Sediment*. *Applied and Environmental Microbiology*, 50: 498-502.

- Compton, W.J., J.M. Rhymer, and M. McCollough. 2002. *Habitat Selection by Wood Turtles (Clemmys Insculpta): An Application of Paired Logistic Regression*. Ecology, 83(3): 833-843.
- Connaughton, J.L. 2005. *Memorandum: Guidance on the Consideration of Past Actions in Cumulative Effects Analysis*. Executive Office of the President – Council on Environmental Quality. Washington, D.C. June 24, 2005. Retrieved from: [http://energy.gov/sites/prod/files/nepapub/nepa\\_documents/RedDont/G-CEQ-PastActsCumulEffects.pdf](http://energy.gov/sites/prod/files/nepapub/nepa_documents/RedDont/G-CEQ-PastActsCumulEffects.pdf)
- Cook County. 2011. *Online Zoning Information database*. Retrieved from: <http://www.co.cook.mn.us/index.php/government/departments/planning-and-zoning>
- Cooper, L.R. and E. Johnson. 1964. *Sandy Lake Ware and its Distribution*. American Antiquity, 29(4).
- COSEWIC (Committee on the Status of Endangered Wildlife in Canada). 2003. *COSEWIC Assessment and Update Status Report on the Shortjaw Cisco Coregonus Zenithicus*. Retrieved from: <http://publications.gc.ca/collections/Collection/CW69-14-252-2003E.pdf>
- Coyne, J. 2015. *U.S. Steel Cuts More from Minnesota Ore*. Pittsburgh Business Times. March 31, 2015. Retrieved from: <http://www.bizjournals.com/pittsburgh/news/2015/03/31/u-s-steel-announces-cuts-more-from-minnesota-ore.html?page=all>
- CSCC (Ciba Specialty Chemicals Corporation). 2005. *MagnaFloc 342 MSDS*. October 7, 2005.
- CSS (College of St. Scholastica). 2012. *Fast Facts*. Accessed: May 9, 2012. Retrieved from: <http://www.css.edu/About/Fast-Facts.html>
- Cummings, K.S., and C.A. Mayer. 1992. *Field Guide to Freshwater Mussels of the Midwest*. Manual 5. Champagne, IL: Illinois Natural History Survey.
- Davis, Jessie C. 1968. *Beaver Bay Original North Shore Village*. Duluth, MN: St. Louis County Historical Society.
- Day, Stephen. 2008. *Memo: RS46 Agency Work Plan Request for Section 4.1 DRAFT*. SRK Consulting. Memo to Jim Scott, PolyMet. June 18, 2008.
- DelGiudice, Glenn D. 2012. *2012 Minnesota Moose Harvest*. Forest Wildlife Populations and Research Group.
- . 2014. *2014 Aerial Moose Survey*. Forest Wildlife Populations and Research Group.
- DelGiudice, G.D., M. DonCarlos, and J. Erb. 2007. *An Incidental Take Plan for Canada Lynx and Minnesota's Trapping Program*. St. Paul, MN: Minnesota Department of Natural Resources.
- Dobbs, Clark, A. 1989. *Outline of Historic Contexts for the Prehistoric Period ca.12,000B.P. – A.D. 1700*. In Minnesota History in Sites and Structures: A Comprehensive Planning Series. Institute for Minnesota Archaeology Reports of Investigations Number 37. Prepared for the Minnesota State Historic Preservation Office.
- DOI (U.S. Department of the Interior). 1998. *Guidelines for Evaluating And Documenting Traditional Cultural Properties*. National Register Bulletin 38. Contributing Authors Patricia L. Parker and Thomas F. King. Retrieved from: <http://www.nps.gov/nr/publications/bulletins/pdfs/nrb38.pdf>
- . 2012. *Payments in Lieu of Taxes*. Retrieved from: <http://www.doi.gov/pilt/index.cfm>

- DOJ (U.S. Department of Justice). 2007. *Massachusetts v. EPA*, 549 U.S. 497, US Supreme Court Decision. Retrieved from: <http://www.justice.gov/enrd/3589.htm>
- Doll, R. and J. Peto. 1985. *Asbestos: Effects on Health of Exposure to Asbestos*. HMSO Publishing. ISBN 0 11 883803 2.
- Dore, W.G. 1969. *Wild Rice*. Ottawa, Canada: The Queen's Printer for Canada.
- Douglas, M., I.D. Clark, K. Raven, and D.J. Bottomley. 2000. *Groundwater Mixing Dynamics at a Canadian Shield Mine*. Journal of Hydrology, 235(1-2): 88-103. August 2000.
- Dow (Dow Chemical Company). 2009. *Methyl Isobutyl Carbinol Product Safety Assessment*. June 26, 2009.
- Dyno (Dynamo Nobel). 2010. *Blasting and Explosives Quick Reference Guide*. 2010.
- EDR (Environmental Data Resources, Inc.). 2009a. *EDR Radius Map Report with GeoCheck, McFarland Lake. PolyMet Land Exchange*. Inquiry Number 2525843.1s. June 23, 2009.
- . 2009b. *DataMap Area Study. PolyMet Land Exchange*. Inquiry Number 2525996.1r. June 25, 2009.
- . 2011a. *EDR Radius Map Report with GeoCheck, Lake County Land North / Wolf Land 1*. Inquiry Number 3034605.2s. April 7, 2011.
- . 2011b. *EDR Radius Map Report with GeoCheck, Lake County Land South Parcel*. Inquiry Number 3034575.2s. April 7, 2011.
- . 2011c. *EDR Radius Map Report with GeoCheck, Wolf Land Parcel 2*. Inquiry Number 3034618.2s. April 7, 2011.
- . 2011d. *EDR Radius Map Report with GeoCheck, Wolf Land Parcel 3*. Inquiry Number 3034628.2s. April 7, 2011.
- . 2011e. *EDR Radius Map Report with GeoCheck, Wolf Land Parcel 4*. Inquiry Number 3034643.2s. April 8, 2011.
- . 2011f. *EDR Radius Map Report with GeoCheck, Hunting Club Land*. Inquiry Number 3034656.2s. April 8, 2011.
- EDS (Engineered Drilling Solutions, Inc.). 2009a. *MagnaFloc 10 MSDS*. 2009. Prepared by Engineered Drilling Solutions, Inc., Safety Department, October 1, 2009.
- . 2009b. *MagnaFloc 351 MSDS*. 2009. Prepared by Engineered Drilling Solutions, Inc., Safety Department, October 1, 2009.
- Edwards, A.J. 2012. *1994-2011 Big Game and Furbearer Harvest Report*. 1854 Treaty Authority. Technical Report 12-02. February 2012.
- eFlora. 2011. *Flora Search Engine*. Accessed: August 16, 2011. Retrieved from: [www.efloras.org](http://www.efloras.org)
- . 2014. *Carex ormostachya in Flora of North America*. FNA Vol. 23. Pages 433, 437, 438. Accessed: October 21, 2014. Retrieved from: [www.efloras.org](http://www.efloras.org)

- Eggers, S.D. 2011a. *Technical Memorandum: Distinguishing Between Bogs That Are Entirely Precipitation Driven Versus Those with Some Degree of Mineral Inputs from Groundwater and/or Surface Water Runoff*. November 7, 2011.
- . 2011b. *USACE Draft Memorandum: Distinguishing Between Bogs That Are Entirely Precipitation Driven Versus Those with Some Degree of Mineral Inputs from Groundwater and/or Surface Water Runoff*. September 12, 2011.
- . 2015. *Technical Memorandum: Response to Public Comments on Distinguishing Ombrotrophic and Somewhat Minerotrophic Bog Communities for Purposed of Estimating Potential Indirect Impacts*. USACE: CEMVP-OP\_R (MVP-1999-5528-JAK). January 15, 2015.
- Eggers, S.D., and D.M. Reed. 1997. *Wetland Plants and Communities of Minnesota and Wisconsin*. U.S. Army Corps of Engineers, St. Paul District. Retrieved from: <http://www.npwrc.usgs.gov/resource/plants/mnplant/index.htm>
- . 2014. *Wetland Plants and Plant Communities of Minnesota and Wisconsin – Version 3.1*. U.S. Army Corps of Engineers, St. Paul District, St. Paul, MN. 478 pp.
- Eisler, R. 1987. *Mercury Hazards to Fish, Wildlife, and Invertebrates: A Synoptic Review*. U.S. Fish and Wildlife Service Biological Report 85 (1.10). April 1987.
- . 1988a. *Arsenic Hazards to Fish, Wildlife, and Invertebrates: A Synoptic Review*. U.S. Fish and Wildlife Service Biological Report 85 (1.12). January 1988.
- . 1988b. *Lead Hazards to Fish, Wildlife, and Invertebrates: A Synoptic Review*. U.S. Fish and Wildlife Service Biological Report 85 (1.14). April 1988.
- Emmons & Olivier Resources, Inc. 2006. *Cumulative Effects Analysis on Wildlife Habitat and Travel Corridors in the Mesabi Iron Range and Arrowhead Regions of Minnesota*. Prepared for the Minnesota Department of Natural Resources. May 1, 2006.
- ENSR (ENSR International). 2000. *Winter 2000 Wildlife Survey for the Proposed NorthMet Mine Site, St. Louis County, Minnesota*. Document No. 5461-001-300, Polymet Mining Corporation, Golden, CO.
- . 2005. *NorthMet Mine Summer Fish and Wildlife Study*. Document No. 05461-002-400.
- . 2006. *RS62 Canada Lynx Assessment Final Report*. Draft-01. Document No. 05461-002-320. Prepared for PolyMet Mining Corporation PolyMet. August 2006.
- Erb, J. 2008. *Distribution and Abundance of Wolves in Minnesota, 2007-08*. Minnesota Department of Natural Resources, St. Paul.
- Erb, J. and S. Benson. 2004. *Distribution and Abundance of Wolves in Minnesota, 2003-04*. Minnesota Department of Natural Resources, St. Paul.
- Erb, J. and B. Sampson. 2013. *Distribution and Abundance of Wolves in Minnesota, 2012-13*. Minnesota Department of Natural Resources, St. Paul.
- Erb, J., C. Humpal, and B. Sampson. 2014. *Minnesota Wolf Population Update 2014*. Prepared for Minnesota Department of Natural Resources, St Paul.

- ERM (Environmental Resources Management). 2010. *Memorandum: NorthMet Mine Tailings Basin Cover Options Evaluation and Recommendations*. From ERM to NorthMet EIS Co-lead Agencies Senior Management Team. December 30, 2010.
- . Personal Communication. Email from Dona Nelson (ERM) to Jo Render (ERM) RE: Lake County Zoning Designations. October 10, 2011.
- . 2013. *NorthMet Mining Project GoldSim Water Quality Model -- Phase 3 Quality Assurance Memo*. February 25, 2013.
- . Personal Communication. NorthMet AOC and Consent Decree Information Request. Email exchanges with Jim Robin, MPCA, and Dirk Leemkuil, ERM. October 9, 16, 17, and 21, 2014.
- ERM and MDNR (Environmental Resources Management and Minnesota Department of Natural Resources). 2011. *Analogue Information Relating to Mine Pit Cone of Depression Impacts on the Surficial Aquifer*. J.L. Adams (ERM) and M. Liljegren (MDNR). May 23, 2011.
- Essentia (Essentia Health-Northern Pines Care Center). 2012. *Find a Clinic/Hospital*. Accessed: May 9, 2012. Retrieved from: <http://www.essentiahealth.org/NorthernPinesCareCenter/FindaClinic/Essentia-HealthNorthern-Pines-Care-Center-37.aspx>
- Farvolden, R.N., O. Pfannkuch, R. Pearson, and P. Fritz. 1988. *Region 12, Precambrian Shield*. The Geology of North America, Volume O-2, Hydrogeology. W. Back, J.S. Rosenshein, and P.R. Seaber, eds. Geological Society of America.
- Fitzgerald, W.F. and T.W. Clarkson. 1991. *Mercury and Methylmercury: Present and Future Concerns*. Environmental Health Perspectives, 96:159-166.
- Flottec, LLC. 2009. *Material Safety Data Sheet: Flottec PAX Collector*. Revision No 3. November 1, 2009.
- Fond du Lac (Fond du Lac Bank of Lake Superior Chippewa). 1992. *Fond du Lac Ceded Territory Conservation Code*. Ordinance #02/92, Amended.
- . Personal Communication. Letter from Nancy Schuldt (Water Projects Coordinator, Fond du Lac Environmental Program) to Tamara Cameron (Chief, Regulatory Branch, USACE) RE: Federally Approved Water Quality Standards. March 6, 2012.
- Foose, M.P. and R.W. Cooper. 1978. *Preliminary Geologic Report on the Harris Lake Area, Northeastern Minnesota U.S. Geological Survey*. Minnesota Geological Survey, St. Paul, Minnesota. Open-File Report 78-385. Retrieved from: <http://pubs.usgs.gov/of/1978/0385/report.pdf>
- . 1981. *Faulting and Fracturing in Part of the Duluth Complex, Northeastern Minnesota*. Canadian Journal of Earth Sciences, 18(4): 810-814.
- Forman, R.T.T. and L.E. Alexander. 1998. *Roads and Their Major Ecological Effects*. Annual Review of Ecology and Systematics, 29: 207-31. Retrieved from: [arjournals.annualreviews.org](http://arjournals.annualreviews.org)
- Foster, M.E. and P.J. Hudleston. 1986. "Fracture Cleavage" in the Duluth Complex, Northeastern Minnesota. Geological Society of America Bulletin, 97(1): 85-96. doi: 10.1130/0016-7606(1986)97<85:FCITDC>2.0.CO;2

- Foth (Foth Infrastructure & Environment, LLC). 2012. *Economic Assessment of Conceptual Underground Mining Option for the NorthMet Project*. Prepared by Theodore J. Bornhort, LLC, Subconsultant to Foth Infrastructure & Environment, LLC for PolyMet Mining, Inc. St. Paul, Minnesota. October 2012.
- . 2013. *Memorandum: PolyMet--Proposed SDEIS Financial Assurance Language*. To Brad Moore and Jon Cheery, PolyMet Mining, Inc., from Kris Baran, Curt Dungey, and Steve Donohue, Foth. March 11, 2013.
- Foth and Van Dyke. 1999. *Supplemental Site Specific Resource Information: PolyMet Mining Corporation, NorthMet 1999 Exploration Project*. Prepared for PolyMet Mining Corporation. Golden, CO. August 1999.
- Frelich, L. and P. Reich. 2009. *Wilderness Conservation in an Era of Global Warming and Invasive Species: a Case Study from Minnesota's Boundary Waters Canoe Area Wilderness*. *Natural Areas Journal*, 29(4).
- Freudenberg, W.R. and L.J. Wilson. 2002. *Mining the Data: Analyzing the Economic Implications of Mining for Nonmetropolitan Regions*. *Sociological Inquiry*, 72(4). Fall 2002.
- Fritz, S.K. and Frappe, P. 1987. *Geochemical Trends for Groundwaters from the Canadian Shield*. *Geological Association of Canada Special Paper*, 33: 19-38.
- Froese, R. and D. Pauly (eds.). 2011. *Cottus ricei, Spoonhead Sculpin*. FishBase. Accessed: January 27, 2012. Retrieved from: <http://www.fishbase.org/summary/speciessummary.php?id=4083>
- Fuller, A.K. and D.J. Harrison. 2005. *Influence of Partial Timber Harvesting on American Martens in North-Central Maine*. *Journal of Wildlife Management*, 69(2): 710–722.
- Gaffney, J.S. and N.A. Marley. 2014. *In-depth Review of Atmospheric Mercury: Sources, Transformations, and Potential Sinks*. Energy and Emission Control Technologies. Dove Press. August 6, 2014.
- Galloway, M.E. and B.A. Branfireun. 2004. *Mercury Dynamics of a Temperate Forested Wetland*. *Science of the Total Environment*, 325: 239–254.
- Gamble, J.F. and G.W. Gibbs. 2008. *An Evaluation of the Risks of Lung Cancer and Mesothelioma from Exposure to Amphibole Cleavage Fragments*. *Regulatory Toxicology and Pharmacology*, 52(1), Supplement, S154-S156. October 2008. Retrieved from: <http://www.sciencedirect.com/science/article/pii/S0273230007001468>
- Gibbon, G.E. and A.R. Woolworth. 1977. *An Archaeological and Historic Sites Survey of Voyageurs National Park, Minnesota*. Report on file at Minnesota Historical Society.
- Gilmour, C.C., E.A. Henry, and R. Mitchell. 1992. *Sulfate Stimulation of Mercury Methylation in Freshwater Sediments*. *Environmental Science and Technology*, 26: 2281.
- Gilmour, C.C., D. Krabbenhoft, W. Orem, G. Aiken. 2004. *Appendix 2B-1: Influence of Drying and Rewetting on Mercury and Sulfur Cycling in Everglades and STA Soils*. 2004 Everglades Consolidated Report. South Florida Water Management District, West Palm Beach, FL. Retrieved from:

- [https://my.sfwmd.gov/portal/page/portal/pg\\_grp\\_sfwmd\\_sfer/portlet\\_prevreport/final/appendices/app2b-1.pdf](https://my.sfwmd.gov/portal/page/portal/pg_grp_sfwmd_sfer/portlet_prevreport/final/appendices/app2b-1.pdf)
- Gilmour, C.C., M. Podar, A.L. Bullock, A.M. Graham, S.D. Brown, A.C. Somenahally, A. Johs, R.A. Hurt, K.L. Bailey, and D.A. Elias. 2013. *Mercury Methylation by Novel Microorganisms from New Environments*. *Environ. Sci. Technol*, 47: 11810-11820.
- Girgin, S., N. Kazanci, M. Dügel. 2010. *Relationship Between Aquatic Insects and Heavy Metals in an Urban Stream Using Multivariate Techniques*. *International Journal of Environmental Science Technology*, 7(4): 653-664. Autumn 2010.
- GLO (Government Land Office). 1873. *Field Notes of the Exterior and Subdivision Lines of Township No. 59 N Range 13 W of the 4th Principal Meridian*. Retrieved from: [http://www.glorerecords.blm.gov/results/default.aspx?searchCriteria=type=survey|st=MN|cty=137|twp\\_nr=59|twp\\_dir=N|rng\\_nr=13|rng\\_dir=W|m=46](http://www.glorerecords.blm.gov/results/default.aspx?searchCriteria=type=survey|st=MN|cty=137|twp_nr=59|twp_dir=N|rng_nr=13|rng_dir=W|m=46)
- Goldade, C.M., J.A. Dechant, D.H. Johnson, A.L. Zimmerman, B.E. Jamison, J. O. Church, and B.R. Euliss. 2002. *Effects of Management Practices on Wetland Birds: Yellow Rail*. Jamestown, ND: Northern Prairie Wildlife Research Center.
- Golder (Golder Associates, Inc.). 2007. *RS49 - Stockpile Conceptual Design*. Draft-02. October 25, 2007.
- Goodyear, C.D., T.A. Edsall, D.M.O. Dempsey, G.D. Moss, and P.E. Polanski. 1982. *Atlas of the Spawning and Nursery Areas of Great Lakes Fishes, Volume II: Lake Superior*. FWS/OBS-82/52. Washington, DC.: U.S. Fish and Wildlife Service, Biological Services Program. September 1982.
- Grandmaison, D. D., K. Kirschbaum, and T. Catton. 2013. *Superior National Forest Bat Monitoring: Summary of 2013 Survey Effort*. Duluth, MN: Superior National Forest, USDA Forest Service, Department of Agriculture.
- Grand Portage (Grand Portage Reservation Tribal Council). 2013. *Concerns about the Traditional Cultural Properties Identified in the NorthMet Project Area*. Letter to Brenda Halter, Forest Superior. June 27, 2013.
- Greenberg, A.M., and J. Morrison. 1982. *Group Identities in the Boreal Forest: The Origin of the Northern Ojibwa*. *Ethnohistory*, 29(2).
- Guinn, J.E. 2004. *Bald Eagle Nest Site Selection and Productivity Related to Habitat and Human Presence in Minnesota*. Doctoral Dissertation, North Dakota State University. May 2004.
- Gylseth, B., T. Norseth, and V. Skaug. 1981. *Amphibole Fibers in a Taconite Mine and in the Lungs of the Miners*. *American Journal of Industrial Medicine*, 2: 175-184.
- Hall, B.D., V.L. St. Louis, K. R. Rolffhus, R.A. Bodaly, K.G. Beaty, M.J. Paterson, and K.A. Peech Cherewyk. 2005. *Impacts of Reservoir Creation on the Biogeochemical Cycling of Methyl Mercury and Total Mercury in Boreal Upland Forests*. *Ecosystems*, 8: 284-266. DOI: 10.1007/s10021-003-0094-3.
- Hall, S.P. 1987. *Fort Snelling, Colossus in the Wilderness*. St. Paul, MN: Minnesota Historical Society Press.
- Hamilton, J.R. 2009. *Ceramic Types of Northeastern Minnesota*. *Minnesota Archaeologist*, 68: 131-141.



- Hanchett, A.H. and T. Clark. 1865. *Report of the State Geologist: Physical Geography, Meteorology, and Botany of the Northeastern District of Minnesota*. St. Paul, MN: Frederick Driscoll, Incidental Printer.
- Hansen, J., M. Sato, and R. Ruedy. 2013. *Global Temperature Update Through 2012*. January 15, 2013. Retrieved from: [http://www.nasa.gov/pdf/719139main\\_2012\\_GISTEMP\\_summary.pdf](http://www.nasa.gov/pdf/719139main_2012_GISTEMP_summary.pdf)
- Harmon, S.M., J.K. King, J.B. Gladden, G.T. Chandler, and L.A. Newman. 2004. *Methylmercury Formation in a Wetland Mesocosm Amended with Sulfate*. *Environmental Science and Technology*, 38: 650-658.
- Harrison, C., E. Redepenning, C.L. Hill, G.R. Rap, Jr., S.E. Aschenbrenner, J.K. Huber, and S.C. Mulholland. 1995. *The Paleo-Indian of Southern St. Louis County, Minnesota: The Reservoir Lake Complex*. University of Minnesota.
- Hatch, J.T., K.P. Schmidt, D.P. Siems, J.C. Underhill, R.A. Bellig, and R.A. Baker. 2003. *A New Distributional Checklist of Minnesota Fishes, with Comments on Historical Occurrence*. Accessed: January 27, 2012. Retrieved from: [http://mnmms.org/sites/default/files/pages/Aug\\_2012/MN%20Fisheries.pdf](http://mnmms.org/sites/default/files/pages/Aug_2012/MN%20Fisheries.pdf)
- Headwaters Economics. 2009. *Economic Profile System-Human Dimensions Toolkit*. Spreadsheet-based toolkit. Retrieved from: <http://headwaterseconomics.org/tools/eps-hdt>
- Heath, D.J. 2011. *Results of a September 2009 Freshwater Mussel (Mollusca:Bivalvia:Unionidae) Survey in the Partridge River near the Proposed NorthMet Mine Project, Northeastern Minnesota - Final*. Prepared for Barr Engineering Company Barr. August 2011.
- Hem, J.D. 1992. *Study and Interpretation of the Chemical Characteristics of Natural Water*. U.S. Geological Survey, Water Supply Paper 2254. Retrieved from: <http://pubs.usgs.gov/wsp/wsp2254/html/pdf.html>
- Heutmaker, J.F. and G.B. Morey. 1982. *Lineament Map, Hibbing Sheet*. From Minnesota Geological Survey Miscellaneous Map Series. M-49. Retrieved from: <http://conservancy.umn.edu/bitstream/59984/1/umn22428%5b1%5d.pdf>
- Heyes, A., T.R. Moore, J.W.M. Rudd, and J.J. Dugoua. 2000. *Methyl Mercury in Pristine and Impounded Boreal Peatlands, Experimental Lakes Area, Ontario*. *Canadian Journal of Fisheries and Aquatic Sciences*, 57(11): 2211-2222.
- Hibbing Taconite Company. 2000. *Voluntary Mercury Reduction Agreement. Hibbing Taconite Company*. December 20, 2000. Retrieved from: <http://www.pca.state.mn.us/index.php/view-document.html?gid=331>
- Hickerson, H. 1970. *The Chippewa and Their Neighbors: A Study in Ethnohistory*. New York: Holt, Rinehart and Winston.
- Hohman-Caine, Dr. C.A. and G.E. Goltz. 1995. *Brainerd Ware and the Early Woodland Dilemma*. *Minnesota Archaeologist*, 54.
- . 2006. *Phase I Archaeological Survey. NorthMet Mine Impact Area, Polymet Mining, St. Louis County, Minnesota*. Prepared for Barr Engineering By Soils Consulting, January 2006.

- . 2008. *Phase I Archaeological Survey of Dunka Road Expansion and Substation and Phase II Archaeological Evaluation of Northmet Archaeological Site*. Northmet Mine Impact Area, Polymet Mining, St. Louis County, Minnesota. Prepared for Barr Engineering By Soils Consulting. January 2008.
- Hoyt Lakes Planning Commission. 2010. *Hoyt Lakes Minnesota Zoning Ordinance*. July 27, 2010. Retrieved from: <http://hoytlakes.com/html/city-departments/zoning-planning.html>
- Hubbs, C.L. and K.F. Lagler. 2007. *Fishes of the Great Lakes Region*. Revised by G.R. Smith. Ann Arbor, MI: University of Michigan Press.
- H-Valley Chemical Inc. 2006. *Ferric Chloride MSDS*. September 21, 2006.
- HydroGeoLogic, Inc. 1996. *MODFLOW-SURFACT software Version 3.0. Overview: Installation, Registration, and Running Procedures*. Herndon, VA.
- IDOT (Illinois Department of Transportation). 2011. *Highway Traffic Noise Assessment Manual*. June 2011. Retrieved from: <http://www.idot.illinois.gov/assets/uploads/files/doing-business/manuals-guides-&-handbooks/highways/design-and-environment/htnamanual.pdf>
- IHMM (Institute of Hazardous Materials Management). 2012. *What are Hazardous Materials*. Accessed: April 24, 2012. Retrieved from: [http://www.ihmm.org/index.php?option=com\\_content&view=article&id=61&Itemid=161](http://www.ihmm.org/index.php?option=com_content&view=article&id=61&Itemid=161)
- Ilgren, E.B. 2004. *The Biology of Cleavage Fragments: a Brief Synthesis and Analysis of Current Knowledge*. *Indoor and Built Environment*, 13: 343-356.
- IMPROVE. No date. *Interagency Monitoring of Protected Visual Environments (IMPROVE) Network Data*. Retrieved from: <http://vista.cira.colostate.edu/improve/>
- Jaakko Poyry (Jaakko Poyry Consulting, Inc.). 1994. *Final Generic Environmental Impact Statement Study on Timber Harvesting and Forest Management in Minnesota*. Minnesota Environmental Quality Board: St. Paul, Minnesota. April 1994. Retrieved from: <http://conservancy.umn.edu/handle/11299/169527>
- Jannett, F.J. 1998. *Small Mammal Community Dynamics in Cook County, Minnesota*. Prepared for Natural Heritage and Nongame Research Program, Section of Ecological Services, MN Department of Natural Resources. April 25, 1998.
- Jennings, C.E. and W.K. Reynolds. 2005. *Surficial Geology of the Mesabi Iron Range, Minnesota*. Minnesota Geological Survey, Miscellaneous Map M-164, scale 1:100,000. Retrieved from: <http://reflections.mndigital.org/cdm/ref/collection/mgs/id/883>
- Jeremiason J.D., D.R. Engstrom, E.B. Swain, E.A. Nater, B.M. Johnson, J.E. Almendinger, B.A. Monson, and R.K. Kolka. 2006. *Sulfate Addition Increases Methylmercury Production in an Experimental Wetland*. *Environmental Science and Technology*, 40: 3800-3806.
- Jiang, H., C.Y. Wu, and T. Biewen. No Date. *Metals Emissions for Taconite Ore Processing Facilities in Minnesota*. Minnesota Pollution Control Agency. St. Paul, MN.
- Johnson, E. 1969. *Preliminary Notes on the Prehistoric Use of Wild Rice*. *Minnesota Archaeologist*, 30(2): 31-43.

- . 1991. *Ceramic Stratigraphy at the Creech Site 21 CA 14*. Minnesota Archaeologist, 50(1): 3-6.
- Johnson, M. D. and G. A. Lieberman. 1981. "Volume 4 - Chapter 1: Aquatic Biology Resources." In *Regional Copper-Nickel Study*. Minnesota Environmental Quality Board, St. Paul, MN.
- Johnson, E. and J. Schaaf. 1978. *Cultural Resources Investigation at the Lake Winnibigoshish Dam Site--21 IC 4*. Archaeology Laboratory, Department of Anthropology, University of Minnesota. On file at Minnesota State Historic Preservation Office.
- Johnson-Groh, C. 2004. *Botrychium (moonwort) Rare Plant Surveys for Polymet Project*. Prepared for Barr Engineering Company. Gustavus Adolphus College, Minnesota. September 2004.
- Jones, P.M. 2002. *Characterization of Ground-Water Flow Between the Canisteo Mine Pit and Surrounding Aquifers, Mesabi Iron Range, Minnesota*. Water-Resources Investigations Report 02-4198. Mound View, MN: U.S. Geological Society.
- Judd, L. 2013. *Effects of Mercury (Hg) and Methylmercury (MeHg) on Bald Eagle (Haliaeetus leucocephalus) Populations in the Great Lakes region*. Memo from Laura Judd to Minnesota DNR, NorthMet Project. February 5, 2013.
- Julig, P.J. 1988. *The Cummins Site Complex and Paleoindian Occupations in the Northwestern Lake Superior Region*. Ph.D. Thesis, University of Toronto.
- Julig, P.J., J.H. McAndrews, and W.C. Mahaney. 1990. *Geoarchaeology of the Cummins Site on the Beach of Proglacial Lake Minong, Lake Superior Basin, Canada*. In *Archaeological Geology of North America, Centennial Special Volume 4*, Geological Society of America, edited by Norman P. Lasca and Jack Donahue.
- Justin, M. and B. Thompson. 1995. *Roosevelt Lake Narrows Site Summary and Conclusions*. In *Archaeological Data Recovery at the Roosevelt Lake Narrows Site, Cass County, Minnesota*, edited by Michael Justin. Woodward-Clyde Report 93e209. Prepared for the Minnesota Department of Transportation. On file at the Minnesota State Historic Preservation Office.
- Kappler, Charles J. (ed.). 1904. *Indian Affairs: Laws and Treaties*. Vol. II, Treaties. Treaty with the Chippewa, 1854. Sept. 30, 1854. 10 Stats., 1109. Ratified Jan. 10, 1855. Proclaimed Jan. 29, 1855. Washington: Government Printing Office. Retrieved from: <http://digital.library.okstate.edu/kappler/Vol2/treaties/chi0648.htm>
- Kaseloo, P.A. and T.O. Tyson. 2004. *Synthesis of Noise Effects on Wildlife Populations*. Publication No. FHWA-HEP-06-016. September.
- Kaups, M. 1984. *Ojibwa Fisheries on St. Louis River, Minnesota: 1800-1835*. Journal of Cultural Geography, 5(1): 61-83. DOI: 10.1080/08873638409478562.
- Kellogg, C. 2011. *Climate Change Conditions for Use in Mining Geotechnical Review*. June 16, 2011.
- Ketz, K.A. and J.A. Kloss. 2004. *Cultural Resources Assessment for the Environmental Impact Statement Scoping Document*. PolyMet Mining Corporation. NorthMet Project, Hoyt Lakes, St. Louis County, Minnesota. September 2004.

- Krabbenhoft, D.P., C.C. Gilmour, J.M. Benoit, C.L. Babiarz, A.W. Andren, and J.P. Hurley. 1998. *Methyl mercury Dynamics in Littoral Sediments of a Temperate Seepage Lake*. Canadian Journal of Fisheries and Aquatic Sciences, 55(4): 835-844.
- Lake Superior Binational Program. 2012a. *Lake Superior Lakewide Management Plan: 1990-2010 Critical Chemical Reduction Milestones*. Prepared by the Superior Work Group – Chemical Committee. 104 pages. Toronto and Chicago.
- . 2012b. *Lake Superior Zero Discharge Demonstration Program and Critical Chemical Reduction Milestones*. Retrieved from: [www.binational.net](http://www.binational.net)
- Lamppa, M.G. 2004. *Minnesota's Iron County: Rich Ore, Rich Lives*. Duluth, MN: Lake Superior Port Cities, Inc.
- Lancaster, D. 2009. *John Beargrease: Legend of Minnesota's North Shore*. Duluth, MN: Holy Cow Press.
- Larkin, R.P. 1994. *Effects of Military Noise on Wildlife: a Literature Review*. Champaign, IL: Center for Wildlife Ecology, Illinois Natural History Survey.
- Latady, W.R. and M. Isham. 2011. *Identification of Historic Properties of Traditional Religious and Cultural Significance to the Boise Forte Band in the PolyMet NorthMet Project Area of Potential Effect*. Prepared for PolyMet Mining Inc. January 2011. Tower, MN: Boise Forte Tribal Historic Preservation Office.
- League of Minnesota Cities. 2011. *Handbook for Minnesota Cities*. Accessed: October 6, 2011. Retrieved from: <http://www.lmc.org/page/1/resource-library.jsp?keywords=Handbook&handbook=on&alpha=true>
- Lee, P.F. 2002. *Ecological Relationships of Wild Rice, Zizania spp. 10. Effects of Sediment and Among-Population Variations on Plant Density in Zizania palustris*. Canadian Journal of Botany, 80(12): 1283-1294. DOI: 10.1139/b02-118.
- Leete, P. and J. Alcott. 2011. *Understanding Barrier Effects and Crossings Designs - Buckshot versus the Silver Bullet, a Regulatory Perspective: Utilizing Low Cost Wildlife Friendly Designs Everywhere vs. Constructing a Few Expensive Crossings*. Barrier Effects and Crossing Designs. ICOET 2011 Proceedings.
- Lenarz, M.S., R.G. Wright, M.W. Schrage, and A.J. Edwards. 2011. *Compositional Analysis of Moose Habitat in Northeastern Minnesota*. ALCES, 47: 135-149.
- Lisson, R. and B. Gawtry. 2011. *Site Visit Notes. Hay Lake Lands, Hunting Club Lands, Lake County North, Lake County South, Wolf Lands, and McFarland Lake Lands*. R. Lisson and B. Gawtry (ERM). October 11 and 12, 2011.
- Loesch, T. 1997. *Geomorphology of Minnesota*. University of Minnesota-Duluth, Minnesota Geological Survey, Minnesota Department of Natural Resources. DNR Data Deli-landfne2\_sam.gif
- . 1998. *LandSat-Based Land Use – Land Cover*. Minnesota Department of Natural Resources. DNR Data Deli – lulc\_ic96ra3.
- Loftus, M.K. 1977. *A Late Historic Period Chippewa Sugar Maple Camp*. Wisconsin Archaeologist, 58(1): 71-76.

- Loucks, D.P., E. van Beek, J.R. Stedinger, Jozef P.M. Dijkman, M.T. Villars. 2005. "Ch. 12: water Quality Modelling and Prediction." In *Water Resources Systems Planning and Management: An Introduction to Methods, Models and Applications*. Retrieved from: <http://hdl.handle.net/1813/2804>
- Mahoney, J.R., P.M. Irving, and J.L. Malanchuk. 1988. *Plan and Schedule for NAPAP's 1989 and 1990 Assessment Reports*. JAPCA, 38(12): 1489-1496. DOI: 10.1080/08940630.1988.10466487
- Malik, R. and K. Bakken. 1993. *Archaeological Data Recovery at the Bradbury Brook Site, 21ML42, Mille Lacs County, Minnesota*. Bradbury Brook Data Recovery Project, Archaeology Department, Minnesota Historical Society, St. Paul. Report on file at the Minnesota State Historic Preservation Office. tDAR ID: 246428
- Marr, C. 2008. *Contaminants in Fish and Wildlife of Lynx Lake, Arizona*. U.S. Fish and Wildlife Service Region 2.
- Martin Marietta Materials. 2007. *Limestone MSDS 3600-02*. November 2007.
- Mason, R.J. 1981. *Great Lakes Archaeology*. Academic Press.
- Master, L.L., B.A. Stein, L.S. Kutner, and G.A. Hammerson. 2000. *Vanishing Assets: Conservation Status of U.S. Species*. In B.A. Stein, L.S. Kutner and J.A. Adams (eds.). *Precious Heritage: The Status of Biodiversity in the United States*. New York, NY: Oxford University Press.
- Mather, D. and J. Lindbeck. 2011. *Ch. 5: Culture History*. In Phase I, II, and III Archaeological Investigations at the 21ML 81 for the Garrison Kathio West Mille Lacs Lake Sanitary Sewer District Collection and Transmission System in Mille Lacs County, Minnesota. Volume I of III. Frank Florin Principal Investigator. Report on file at the Minnesota State Historic Preservation Office.
- McDonald, M.G. and A.W. Harbaugh. 1988. *A Modular Three-dimensional Finite-difference Ground-water Flow Model*. U.S. Geological Survey Techniques of Water-resources Investigations Report, Book 6, Ch. A1.
- McGranahan, D. 1999. *Natural Amenities Drive Rural Population Change*. Food and Rural Economics Division, Economic Research Service, U.S. Department of Agriculture. Agricultural Economic Report No. 781. Retrieved from: <http://www.ers.usda.gov/publications/aer-agricultural-economic-report/aer781.aspx>
- McKelvey, K.S., Y.K. Ortega, G.M. Koehler, K.B. Aubry, and J.D. Brittell, J.D. 2000. *Canada Lynx Habitat and Topographic Use Patterns in North Central Washington: A Reanalysis*. In Ruggiero, L.F., K.B. Aubry, S.W. Buskirk, G.M. Koehler, C.J. Krebs, K.S. McKelvey, and J.R. Squires. (eds.). *Ecology and Conservation of Lynx in the United States*, 307-336. Boulder, CO: University Press.
- MCWRC (Minnesota Cultivated Wild Rice Council). 2012. *Useful Wild Rice Facts*. Accessed: March 30, 2012. Retrieved from: [www.mnwildrice.org/facts.php](http://www.mnwildrice.org/facts.php)

- MDH (Minnesota Department of Health). 2003. *Exposures to Commercial Asbestos in Northeastern Minnesota Iron Miners Who Developed Mesothelioma*. Minnesota Department of Health. November 2003. Retrieved from:  
<http://www.health.state.mn.us/divs/hpcd/cdee/occhealth/documents/MinersReport112503.pdf>
- . 2011. *System Hospitals*. Accessed: May 9, 2012. Retrieved from:  
<http://www.health.state.mn.us/traumasystem/designatedhospitals.html>
- . 2015. *County Well Index Online*. Retrieved from: <http://www.health.state.mn.us/divs/eh/cwi/>
- . 2015b. *Twenty-one New Cases of Mesothelioma Found in Group of Mine Workers*. Minnesota Department of Health. n.p., 17 Feb. 2015.
- MDNR (Minnesota Department of Natural Resources). 1980. *DNR 24K Streams*. DNR Data Deli – dnrstln3\_sam.gif.
- . 1981. *Wyman Creek Survey Data*. Richard Thompson and Steve Hirsch, Field Team. St. Louis County, Minnesota. August 25, 26, 31, 1981.
- . 1991. *Wetland Conservation Act (WCA) of 1991*. Retrieved from:  
<http://www.dnr.state.mn.us/eco/wetlands/index.html>
- . 1995. *Fisheries Management Plan for the Minnesota Waters of Lake Superior*. Division of Fish and Wildlife, Section of Fisheries.
- . 1997. *Evaluation of Selected Potential Candidate Research Natural Areas as Representative of Ecological Landtype Associations on the Superior National Forest, Minnesota*. Biological Report No. 58. Minnesota Department of Natural Resources. December 1997.
- . 2003. *Wyman Creek Survey Data*. Andy Levar and Dale Anderson, Field Team. St. Louis County, Minnesota. June 9 – September 11, 2003.
- . 2003b. *Field Guide to the Native Plant Communities of Minnesota: the Laurentian Mixed Forest Province*. Ecological Land Classification Program, Minnesota County Biological Survey, and Natural Heritage and Nongame Research Program. Minnesota Department of Natural Resources, St. Paul, MN. 351 pp.
- . 2004. *East Range Hydrology Project*. Final Report. Minnesota Department of Natural Resources, Region 2. Grand Rapids, Minnesota. March 2004.
- . 2005. *NorthMet Mine and Ore Processing Facilities Project Final Scoping Decision*. October 25, 2005.
- . 2006a. *Ecological Classification System*. Accessed: August 2011. Retrieved from:  
<http://www.dnr.state.mn.us/ecs/index.html>
- . 2006b. *GAP Land Cover-Vector*. MDNR Data Deli. Accessed: August 2011.
- . 2006c. *Scientific and Natural Areas*. MDNR Data Deli. Accessed: August 2011.
- . 2006d. *Tomorrow's Habitat for the Wild & Rare*. An Action Plan for Minnesota Wildlife - Comprehensive Wildlife Conservation Strategy. Retrieved from:  
<http://www.dnr.state.mn.us/cwcs/index.html>

- . 2006e. *Timing and Pattern of Bat Activity at Soudan Underground Mine*. Final Report to the State Wildlife Grants Program. MNDNR Biological Report No. 88. June 2006. Prepared by Gerda Nordquist, Kelly Lynch, and Christi Spak for Minnesota County Biological Survey.
- . 2007a. *An Evaluation of the Ecological Significance of the Headwaters Site*. Minnesota County Biological Survey. March 2007.
- . 2007b. *Lake Information Report: Whitewater Lake*. Retrieved from: <http://www.dnr.state.mn.us/lakefind/showreport.html?downum=69037600>
- . 2008a. *MCBS Sites of Biodiversity Significance*. MDNR Data Deli. Accessed: August 2011. Retrieved from: <http://deli.dnr.state.mn.us/>
- . 2008b. *Native Plant Communities*. MDNR Data Deli. Accessed: August 2011. Retrieved from: <http://deli.dnr.state.mn.us/>
- . 2008c. *Natural Wild Rice in Minnesota: A Wild Rice Study Document Submitted to the Minnesota Legislature by the Minnesota Department of Natural Resources*. February 15, 2008. Retrieved from: [http://files.dnr.state.mn.us/fish\\_wildlife/wildlife/shallowlakes/natural-wild-rice-in-minnesota.pdf](http://files.dnr.state.mn.us/fish_wildlife/wildlife/shallowlakes/natural-wild-rice-in-minnesota.pdf)
- . 2009. *The Crossroads of Climate Change*. Minnesota Conservation Volunteer. Kathleen Weflenis, Editor in Chief. Retrieved from: <http://www.doitgreen.org/green-living/crossroads-climate-change>
- . 2009b. *Amphibole Mineral Fiber Toxicological Literature Review*. Prepared by ERM.
- . 2010a. *1854 Treaty*. Accessed: December 14, 2012. Retrieved from: [http://www.dnr.state.mn.us/aboutdnr/laws\\_treaties/1854/index.html](http://www.dnr.state.mn.us/aboutdnr/laws_treaties/1854/index.html)
- . 2010b. *St. Louis Moraines, Tamarack Lowlands, Nashwauk Uplands, and Littlefork-Vermilion Uplands Subsections, Subsection Forest Resource Management Plan (SFRMP), Strategic Direction and Stand Selection, Final*. Minnesota Department of Natural Resources, Division of Forestry. December 2010. Retrieved from: <http://files.dnr.state.mn.us/forestry/subsection/north4/finalplan/n4chapter1.pdf>
- . 2010c. *Colby Lake Standard Lake Survey Report: Population Assessment*. MDNR Fisheries Management. Hoyt Lakes, Minnesota. July 12, 2010.
- . 2011a. *Ecological Classification System: Ecological Land Classification Hierarchy*. Accessed: March 5, 2012. Retrieved from: <http://www.dnr.state.mn.us/ecs/index.html>
- . 2011b. *Invasive Species in Minnesota*. Accessed: August 10, 2011. Retrieved from: <http://www.dnr.state.mn.us/invasives/index.html>
- . 2011c. *Lake Information Report: McFarland Lake*. Accessed: March 5, 2012. Retrieved from: <http://www.dnr.state.mn.us/lakefind/showreport.html?downum=16002700>
- . 2011d. *Lake Information Report: Saganaga Lake*. Accessed: January 27, 2012. Retrieved from: <http://www.dnr.state.mn.us/lakefind/showreport.html?downum=16063300>
- . 2011e. *Laurentian Mixed Forest Province*. MDNR Ecological Classification System. Accessed: August 11, 2011. Retrieved from: <http://www.dnr.state.mn.us/ecs/212/index.html>

- . 2011f. *Laurentian Uplands Subsection*. MDNR Ecological Classification System. Accessed: August 11, 2011. Retrieved from: <http://www.dnr.state.mn.us/ecs/212Le/index.html>
- . 2011g. *MDNR Ecological Classification System*. Accessed: August 11, 2011. Retrieved from: <http://www.dnr.state.mn.us/ecs/index.html>
- . 2011h. *Minnesota County Biological Survey*. Accessed: September 21, 2011. Retrieved from: <http://www.dnr.state.mn.us/eco/mcbs/outcomes/index.html>
- . 2011i. *Nashwauk Uplands Subsection*. MDNR Ecological Classification System. Accessed: August 11, 2011. Retrieved from: <http://www.dnr.state.mn.us/ecs/212Lc/index.html>
- . 2011j. *Partridge River Watershed Winter 2010-2011*. Base Flow Analysis. June 2011.
- . 2011k. *Rare Species Guide: Botrychium campestre, Botrychium pallidum, Botrychium rugulosum, Pallas ex Georgi, Eleocharis nitida, Juncus stygius var. americanus, Platanthera clavellata, Pyrla minor, Ranunculus lapponicus, Saxifraga aizoon var. neogaea, Sparganium glomeratum, and Woodsia scopulina*. Accessed: August 12 and 16, 2011. Retrieved from: <http://www.dnr.state.mn.us/rsg/index.html>
- . 2011L. *Rare Species Guide: Chilostigma Itascae Species Profile*. Accessed: March 5, 2012. Retrieved from: <http://www.dnr.state.mn.us/rsg/profile.html?action=elementDetail&selectedElement=IITRI0F010>
- . 2011m. *Soudan Underground Mine State Park, Park Info*. Accessed: July 6 and September 18, 2012. Retrieved from: [http://www.dnr.state.mn.us/state\\_parks/soudan\\_underground\\_mine/index.html](http://www.dnr.state.mn.us/state_parks/soudan_underground_mine/index.html)
- . 2011n. *Taconite State Trail, Trail Description*. Accessed: January 12, 2012. Retrieved from: [http://www.dnr.state.mn.us/state\\_trails/taconite/index.html](http://www.dnr.state.mn.us/state_trails/taconite/index.html)
- . 2011o. *1854 Treaty - Legal History*. Accessed: April 30, 2012. Retrieved from: [http://www.dnr.state.mn.us/aboutdnr/laws\\_treaties/1854/litigation.html](http://www.dnr.state.mn.us/aboutdnr/laws_treaties/1854/litigation.html)
- . 2011p. *MDNR Letter of Approval RE: Watershed Mitigation Plan*. February 11, 2011. [Includes full copy of Peter Mitchell Pit Concept Mitigation Plan from May 2010].
- . 2012a. *Bear Head Lake State Park*. Accessed: September 18, 2012. Retrieved from: [http://www.dnr.state.mn.us/state\\_parks/bear\\_head\\_lake/index.html](http://www.dnr.state.mn.us/state_parks/bear_head_lake/index.html)
- . 2012b. *Iron Range OHVRA Frequently Asked Questions*. Accessed: September 18, 2012. Retrieved from: <http://www.dnr.state.mn.us/ohv/gilbert/faq.html>
- . 2012c. *LakeFinder*. Accessed: February 24, 2012. Retrieved from: <http://www.dnr.state.mn.us/lakefind/index.html>
- . 2012d. *Canada Lynx Sightings in Minnesota (March 2000 - November 14, 2006)*. Accessed: May 1, 2012. Retrieved from: [http://www.dnr.state.mn.us/eco/nhnrp/research/lynx\\_sightings.html](http://www.dnr.state.mn.us/eco/nhnrp/research/lynx_sightings.html)
- . 2012e. *Minnesota Department of Natural Resources Wolf Briefing*. January 5, 2012. Accessed: May 1, 2012. Retrieved from: [http://files.dnr.state.mn.us/fish\\_wildlife/wildlife/wolves/wolfbrief.pdf](http://files.dnr.state.mn.us/fish_wildlife/wildlife/wolves/wolfbrief.pdf)
- . 2012f. *News Release: Construction begins at Minnesota's Newest State Park*. September 18, 2012.



- . 2012g. *Rare Species Guide, Cicindela denikei*. Accessed: May 1, 2012. Retrieved from:  
<http://www.dnr.state.mn.us/rsg/profile.html?action=elementDetail&selectedElement=IICOL026M0>
- . 2012h. *Wild Rice (Zizania aquatica)*. Accessed: June 14, 2012. Retrieved from:  
[http://www.dnr.state.mn.us/aquatic\\_plants/emergent\\_plants/wildrice.html](http://www.dnr.state.mn.us/aquatic_plants/emergent_plants/wildrice.html)
- . 2012i. *News Release: Limited Wolf Season Possible in 2012*. January 6, 2012.
- . 2012j. *Public Waters Inventory-Maps*. Retrieved from:  
[http://www.dnr.state.mn.us/waters/watermgmt\\_section/pwi/maps.html](http://www.dnr.state.mn.us/waters/watermgmt_section/pwi/maps.html)
- . 2012m. *Whitewater Lake Standard Lake Survey Report: Population Assessment*. MDNR Fisheries Management. Hoyt Lakes, Minnesota. August 14, 2012.
- . Personal Communication. Email from Lisa Joyal (MDNR) to Ryan Lisson (ERM) RE: NorthMet Rare/Listed Species Request. February 13, 2012.
- . Personal Communication. Email from Steve Wilson (MDNR) to Ryan Lisson (ERM) RE: SNA Location Request. February 14, 2012.
- . Personal Communication. Email from Rebecca Holmstrom (MDNR) to Ryan Lisson (ERM) RE: SNA Location Request. April 9, 2012.
- . Personal Communication. Email from Donald Deckard (MDNR) to Andrea McGinnis (ERM) RE: NorthMet EIS: USFS Silviculturist. April 26, 2012.
- . 2013a. *Natural Heritage Information System Database*. Accessed: March 2013. Retrieved from:  
<http://www.dnr.state.mn.us/eco/nhnrp/nhis.html>
- . 2013b. *Bear Hunting. Numeric Averages Compiled August 2013 by ERM from Annual Harvest Reports for Years 2006 Through 2012*. Retrieved from:  
<http://www.dnr.state.mn.us/hunting/bear/index.html>
- . 2013c. *Deer Hunt Maps and Statistics. Numeric Averages Compiled August 2013 by ERM from Annual Deer Harvest Reports for Years 2006 Through 2012*. Retrieved from:  
[http://www.dnr.state.mn.us/hunting/deer/maps\\_stats\\_archive.html](http://www.dnr.state.mn.us/hunting/deer/maps_stats_archive.html)
- . 2013d. *Moose Hunting. Numeric Averages Compiled August 2013 by ERM from Annual Harvest Reports for Years 2011 and 2012 and from the 2013 Aerial Moose Survey*. Retrieved from:  
<http://www.dnr.state.mn.us/hunting/moose/index.html>
- . 2013e. *Appropriation Permit Index Notes*. Retrieved from:  
[http://files.dnr.state.mn.us/waters/watermgmt\\_section/appropriations/index-number-active.pdf](http://files.dnr.state.mn.us/waters/watermgmt_section/appropriations/index-number-active.pdf)
- . 2013f. *U.S. Steel Minntac Mine Extension Project Record of Decision*. April 11, 2013.
- . 2013g. *Correction to Barr 2008o, Table 10: Estimated Post-closure Streamflows along the Partridge River Based on XP-SWMM Model*. November 2013.
- . 2013h. *Minnesota's List of Endangered, Threatened, and Special Concern Species*. St. Paul, MN: Division of Ecological and Water Resources. Effective August 19, 2013. Retrieved from:  
<http://www.dnr.state.mn.us/ets/index.html>

- . 2013i. *Office Memorandum: Partridge River Base Flow Analysis MDNR Gage #H03155002*. From Greg Kruse, Water Monitoring and Surveys Unit Supervisor, to Michael Liljergren, Hydrogeologist. December 17, 2013.
- . 2014b. *Rare Species Guide: Erebia mancinus, Lycaeides idas nabokovi, Myotis spentrionalis, Perimyotis subflavus, and Pyrgus centaureae freija*. Retrieved from: <http://www.dnr.state.mn.us/rsg/profile.html>
- . 2014c. *Status of Minnesota Black Bears, 2013*. Final Report to Bear Committee. Prepared by Dave Garshelis and Karen Noyce for MDNR. March 13, 2014.
- . 2014d. *Natural Heritage Information System: Biotics (formerly the Rare Features Database)*. Accessed: August 21, 2014. Retrieved from: <http://www.dnr.state.mn.us/nhnrp/nhis.html>
- . 2014e. *Boreal Owl*. Accessed: October 27, 2014. Retrieved from: <http://www.dnr.state.mn.us/birds/borealowl.html>
- . Personal Communication. Email from Anna Varian (MDNR) to Lisa Fay (MDNR) RE: NorthMet Aquatics: Sturgeon. November 7, 2014.
- . 2014f. *Environmental Assessment Worksheet: Northshore Mining Company Progression of the Ultimate Pit Limit*. Public Review EAW. September 2, 2014.
- . 2015a. *Watershed Health Assessment Framework: Riparian Connectivity*. Content date: March 9, 2015. Retrieved from: [http://www.dnr.state.mn.us/whaf/about/scores/connectivity/riparian\\_conn.html](http://www.dnr.state.mn.us/whaf/about/scores/connectivity/riparian_conn.html)
- . 2015b. *Watershed Health Assessment Framework: Aquatic Connectivity*. Content date: March 9, 2015. Retrieved from: [http://www.dnr.state.mn.us/whaf/about/scores/connectivity/aquatic\\_conn.html#data\\_map](http://www.dnr.state.mn.us/whaf/about/scores/connectivity/aquatic_conn.html#data_map)
- . 2015c. *LakeFinder: Colby*. Accessed: January 20, 2015. Retrieved from: <http://www.dnr.state.mn.us/lakefind/lake.html?id=69024900>
- . 2015d. *LakeFinder Whitewater Reservation*. Accessed: January 20, 2015. Retrieved from: <http://www.dnr.state.mn.us/lakefind/lake.html?id=69037600>
- . 2015e. *Wild Rice (Zizania aquatica)*. Accessed: March 2015. Retrieved from: [http://www.dnr.state.mn.us/aquatic\\_plants/emergent\\_plants/wildrice.html](http://www.dnr.state.mn.us/aquatic_plants/emergent_plants/wildrice.html)
- . 2015f. *Initial Survey Partridge River/South Branch of the Partridge River*. Prepared by Brent Flatten, Fisheries Specialist. Minnesota Department of Natural Resources Division of Fish and Wildlife Section of Fisheries.
- . Personal Communication. Email from Anna Varian (MDNR) to Lisa Fay (MDNR) RE: MDNR Fish Population Assessment 2014. January 12, 2015.
- . No Date (In Progress). *An Evaluation of the Ecological Significance of the Giants Range and Pike Peatlands Area*. Minnesota Biological Survey, Division of Ecological and Water Resources, MN Department of Natural Resources.

- MDNR and BWSR (Minnesota Department of Natural Resources and Minnesota Board of Water & Soil Resources). 2011. *Wetland Conservation Act: Rare Natural Communities*. BWSR/DNR Technical Guidance. January 31, 2011.
- MDNR and USACE (Minnesota Department of Natural Resources and U.S. Army Corps of Engineers). 2007. *Minnesota Steel Draft Environmental Impact Statement*. St. Paul, Minnesota. February 2007.
- . 2009. *NorthMet Project Draft Environmental Impact Statement*. October 2009.
- . 2010. *Keetac Mine Expansion Project EIS*. Retrieved from:  
<http://www.dnr.state.mn.us/input/environmentalreview/keetac/index.html>
- MDNR and USFS (Minnesota Department of Natural Resources and USDA Forest Service). 2014. *Technical Memorandum: Baseflow Estimates Used in the Northmet Mining Project SDEIS*. From Michael Lijegren (MDNR), Marty Rye (USFS), and ERM Water Resources Technical Staff to Co-lead Agencies EIS Project Managers. March 5, 2014.
- MDNR et al. (Minnesota Department of Natural Resources, U.S. Army Corps of Engineers, USDA Forest Service). 2011. *Impact Assessment Planning Summary Memos, NorthMet Project EIS*. Minnesota Department of Natural Resources, US Army Corps of Engineers, and US Forest Service.
- . 2011b. *Draft NorthMet SDEIS Water Resources Impact Criteria, Version 10/17/2015*. Memo.
- . 2013a. *NorthMet Project Underground Mining Alternative Assessment for the NorthMet Mining Project and Land Exchange Environmental Impact Statement*. September 27, 2013.
- . 2013b. *Interagency Memorandum: NorthMet Environmental Impact Statement Co-lead Agencies' Consideration of a West Pit Backfill Alternative*. April 11, 2013, with September 30, 2013, Addendum.
- . 2014. *Interagency Memorandum: NorthMet Mining Project and Land Exchange EIS Co-lead Agencies Consideration of West Pit Water Elevation Alternative*. November 18, 2014.
- . 2014b. *NorthMet Project FEIS Partridge River Groundwater Baseflow & Sensitivity Analysis Background and Rationale for Agency Recommendations*. Memo to Liljegren, Rye, Clark, Kunz, Johnson, Jimenez, Bruner, Comardicea, Blaha, Marinelli, Carlson, Todorov. November 17, 2014.
- . 2014c. *Interagency Memorandum: NorthMet Project FEIS Northshore Discharge to Partridge River Rationale for Model Change Recommendations*. Memo to Liljegren, Rye, Clark, Kunz, Johnson, Jimenez, Bruner, Comardicea, Blaha, Marinelli, Carlson, Todorov. November 17, 2014.
- . 2015a. *Interagency Memorandum: NorthMet Project FEIS Northshore Discharge Values Used in the Mine Site GoldSim Model Project Specific and Cumulative Impacts Evaluations*. September 11, 2015.
- . 2015b. *Interagency Memorandum: NorthMet Environmental Impact Statement Mine Site MODFLOW/GoldSim High Groundwater Baseflow Scenario Verification of Work Performed*. September 11, 2015.

- . 2015c. *Interagency Memorandum: NorthMet Environmental Impact Statement--Co-lead Agencies' Consideration of Possible Mine Site Bedrock Northward Flowpath*. From USFS, USACE, and MDNR to NorthMet Project EIS Managing Sponsors. October 12, 2015. Memo and Figures.
- MDR (Minnesota Department of Revenue). 2010. *Minnesota Sales and Use Tax Statistics, County by Industry Annual*. Accessed: May 9, 2012. Retrieved from:  
[http://www.Revenue.state.mn.us/research\\_stats/Pages/2010-Sales-and-Use-Tax-Revenue-by-County.aspx](http://www.Revenue.state.mn.us/research_stats/Pages/2010-Sales-and-Use-Tax-Revenue-by-County.aspx)
- . 2011. *Mining Tax Guide*. November 2011. Retrieved from:  
[http://www.Revenue.state.mn.us/businesses/mineral/Documents/2011\\_mining\\_guide.pdf](http://www.Revenue.state.mn.us/businesses/mineral/Documents/2011_mining_guide.pdf)
- MDOT (Minnesota Department of Transportation). 2013. *Relocation of Hwy 53 Between Eveleth and Virginia, Project Schedule*. Retrieved from:  
<http://www.dot.state.mn.us/d1/projects/hwy53relocation/schedule.html>
- . 2014. Minnesota Department of Transportation. 2014. *Highway 53 Virginia to Eveleth, State Project SP6918-80 Draft EIS*. St. Paul, MN. Accessed: May 5, 2015. Retrieved from:  
[http://www.dot.state.mn.us/d1/projects/hwy53relocation/Environmental/\\_Front%20Matter%20and%20Executive%20Summary.pdf](http://www.dot.state.mn.us/d1/projects/hwy53relocation/Environmental/_Front%20Matter%20and%20Executive%20Summary.pdf)
- Meeker, J., Joan Elias, and John Heim. 1993. *Plants Used by the Great Lakes Ojibwa*. Great Lakes Fish and Wildlife Commission.
- MEQB (Minnesota Environmental Quality Board). 1979. *Regional Copper-Nickel Study*. Minnesota State Planning Agency. Retrieved from: <http://www.leg.state.mn.us/docs/pre2003/other/792632.pdf>
- Merritt, R.W., & Cummins, K.W. 1996. *An Introduction to the Aquatic Insects of North America*. Third Edition. Dubuque, IA: Kendall/Hunt.
- Meyer, P., G. Erickson, D. Sahli, N. Groh, B. Smith, and V. Sathyaseelan. 2009. *Recommended Pond Design Criteria*. Document number: wq-wwtp5-53. December 2009. Retrieved from:  
<http://www.pca.state.mn.us/index.php/view-document.html?gid=11503>
- MFRC (Minnesota Forest Resources Council). 2003a. *Background Paper: Relationships Between Forest Spatial Patterns and Plant and Animal Species in Northern Minnesota*. Cynthia Lane, PH.D., Carolyn Carr, M.S., Ethan Perry, M.S., Ecological Strategies, LLC. Submitted to: Dr. Jim Manolis, Spatial Analysis Project Manager, MNDNR Contract # A45867. Minnesota Forest Resources Council Report LT-1203f. December 2003. Retrieved from:  
[http://www.frc.state.mn.us/documents/council/MFRC\\_SpatialAnalysisProject\\_Patterns&Species\\_2003-12-01\\_Report.pdf](http://www.frc.state.mn.us/documents/council/MFRC_SpatialAnalysisProject_Patterns&Species_2003-12-01_Report.pdf)
- . 2003b. *Changes in Forest Spatial Patterns from the 1930s to the Present in North Central and Northeastern Minnesota: An Analysis of Historic and Recent Air Photos*. George E. Host and Mark A. White, Natural Resources Research Institute, University of Minnesota, Duluth. Submitted: Dr. Jim Manolis, Spatial Analysis Project Manager, Contract # MDNR/A21767, For the Minnesota Forest Resources Council. Minnesota Forest Resources Council Report LT-1203c. December 2003.

- MGIO (Minnesota Geospatial Information Office). 2012. *Digital Elevation Model of Minnesota: Statewide 1:24,000-scale Raster*. Retrieved from: <http://www.mngeo.state.mn.us/chouse/metadata/dem24ras.html>
- Michlovic, M.G. 1982. *Report on the Red River Archaeological Survey in Norman County, Minnesota*. The Minnesota Archaeologist, 41(2).
- Milburn, S.A., M. Bourdaghs and J.J. Husveth. 2007. *Floristic Quality Assessment for Minnesota Wetlands*. Minnesota Pollution Control Agency, St. Paul, MN.
- Miller, James D. and Paul W. Weiblen. 1990. *Anorthositic Rocks of the Duluth Complex: Examples of Rocks Formed from Plagioclase Crystal Mush*. Journal of Petrology, 31(2): 295-339.
- Millette, J.R. 2006. *Asbestos: Risk Assessment, Epidemiology, and Health Effects*. Chapter 2: Asbestos Analysis Methods. J. Millette, 2006. Edited by Ronald F. Dodson, Ph.D. and Samuel P. Hammar, M.D. CRC Press.
- Minesite Drainage Assessment Group. 2013. *The International Kinetic Database*. Accessed: March 21, 2013. Retrieved from: <http://mdag.com/ikd.html>
- Minnesota Administrative Rules. 2012a. *Chapter 7050, Waters of the State*. Accessed: March 2012. Retrieved from: <https://www.revisor.mn.gov/rules/?id=7050&view=chapter&format=pdf>
- . 2012b. *Chapter 7052, Lake Superior Basin Water Standards*. Accessed: March 2012. Retrieved from: <https://www.revisor.mn.gov/rules/?id=7052&format=pdf>
- Minnesota Laws. 2015. *Minnesota Session Laws*. Retrieved from: <https://www.revisor.mn.gov/laws/>
- Minnesota Environmental Initiative. 2008. *Report on the Mercury TMDL Implementation Plan Stakeholder Process*. Prepared for the Minnesota Pollution Control Agency. CFMS Contract No. A99751. July 7, 2008. Retrieved from: <http://www.pca.state.mn.us/index.php/view-document.html?gid=11493>
- Minnesota Historical Society. 2008. *History Topics: Merritt Brothers*. Retrieved February 15, 2008. Retrieved from: [http://www.mnhs.org/library/tips/history\\_topics/126merritt.htm](http://www.mnhs.org/library/tips/history_topics/126merritt.htm)
- Minnesota Rules. 2015. *Minnesota Administrative Rules*. Retrieved from: <https://www.revisor.mn.gov/rules/?view=info>
- Minnesota Statutes. 2015. *2015 Minnesota Statutes*. Retrieved from: <https://www.revisor.mn.gov/statutes/>
- Minnesota Odonata Survey Project. 2012. *Species Proposed for Special Concern Status*. Retrieved from: <http://www.mndragonfly.org/dnrconcern.html>
- Mitchell, C.P.J., B.A. Branfireun, and R.K. Kolka. 2008. *Assessing Sulfate and Carbon Controls on Net Methylmercury Production in Peatlands: An in situ Mesocosm Approach*. Applied Geochemistry, 23: 503-518.
- MLMIC (Minnesota Land Management Information Center). 1983. *Minnesota Public Lands, 1983*. Retrieved from: [http://www.lmic.state.mn.us/pdf/MN\\_Public\\_Lands\\_1983.pdf](http://www.lmic.state.mn.us/pdf/MN_Public_Lands_1983.pdf)
- . 1999. *Land Slope/Digital Elevation Model*. Retrieved from: <http://www.mngeo.state.mn.us/chouse/metadata/dem24ras.html>

- MNSCU (Minnesota State Colleges & Universities). 2012. *Campus Locations*. Accessed: May 9, 2012. Retrieved from: <http://www.mnscu.edu/collegesearch/index.php/institution/>
- Moen, R. 2009. *Canada Lynx in the Great Lakes Region - 2009 Annual Report*.
- . 2010. *Habitat and Road Use by Canada Lynx Making Long-Distance Movements*. NRRI Technical Report.
- Moen, R., G. Niemi, C.L. Burdett, and L.D. Mech. 2006. *Canada Lynx in the Great Lakes Region - 2005 Annual Report*. Prepared for USDA Forest Service, MN Cooperative Fish and Wildlife Research Unit, and MDNR.
- Montana Refining Company. 2011. *Sodium Hydrosulfide MSDS*. January 13, 2011.
- Morey, G. 1981. *Lineament Map, Two Harbors Sheet*. From Minnesota Geological Survey Miscellaneous Map Series M45. Retrieved from: <http://conservancy.umn.edu/bitstream/59978/1/umn22424%5b1%5d.pdf>
- Morton, P., and J. Ameel. 1985. *Saline Waters as Indicators of Economic Mineralization*. Report 241-1 submitted to MDNR.
- Mossman, B.T. and A. Churg. 1998. *State-of-the-Art: Mechanisms in the Pathogenesis of Asbestosis and Silicosis*. American Journal of Critical Care, 157: 1666-1680.
- Mowat, G., K.G. Poole, and M. O'Donoghue. 2000. *Ecology of Lynx in Northern Canada and Alaska*. In Ruggiero, L.F., K.B. Aubry, S.W. Buskirk, G.M. Koehler, C.J. Krebs, K.S. McKelvey, and J. R. Squires (eds.). *Ecology and Conservation of Lynx in the United States*, 265-306. Boulder, CO: University Press.
- Moyle, J.B. 1945. *Some Chemical Factors Influencing the Distribution of Aquatic Plants in Minnesota*. American Midland Naturalist, 34(2): 402-420.
- MPCA (Minnesota Pollution Control Agency). 1995. *Regional Groundwater Profile: Arrowhead Region*. Accessed: June 14, 2012. Retrieved from: <http://www.pca.state.mn.us/index.php/view-document.html?gid=6482>
- . 1999a. *Baseline Water Quality of Minnesota's Principal Aquifers – Region 1, Northeastern Minnesota*. February 1999.
- . 1999b. *Technical Support Document for Air Emissions Permit No. 13700009-001, Issued to LTV Steel Mining Company*. April 1999.
- . 2003. *Minnesota Climate Change Action Plan: A Framework for Climate Change Action*. St. Paul, Minnesota.
- . 2005. *2005 Mercury Reduction Progress Report to the Legislature*. Minnesota Pollution Control Association. October 2005. Retrieved from: <http://www.pca.state.mn.us/index.php/view-document.html?gid=291>
- . 2006a. *MPCA Strategy to Address Indirect Effects of Elevated Sulfate on Methylmercury Production and Phosphorus Availability*. October 19, 2006.
- . 2006b. *Minnesota's Impaired Waters and Total Maximum Daily Loads*. 2006 Data.

- . 2006c. *Review of Minnesota Power's Arrowhead Regional Emission Abatement (AREA) Project*. Minnesota Pollution Control Agency. January 17, 2006. Retrieved from: <http://www.pca.state.mn.us/index.php/view-document.html?gid=13468>
- . 2007. *Minnesota Statewide Mercury Total Maximum Daily Load*. Final, USEPA Approved. March 27, 2007.
- . 2008a. *A Guide to Noise Control in Minnesota. Acoustical Properties, Measurement, Analysis and Regulation*. October 2008.
- . 2008b. *Minnesota's Impaired Waters and Total Maximum Daily Loads*. 2008 Data. Retrieved from: <http://www.pca.state.mn.us/index.php/water/water-types-and-programs/minnesotas-impaired-waters-and-tmdls/maps-of-minnesotas-impaired-waters-and-tmdls.html>
- . 2009a. *Minnesota's Regional Haze SIP*. Retrieved from: <http://www.pca.state.mn.us/index.php/view-document.html?gid=2181>
- . 2009b. *Technical Support Document for the Minnesota State Implementation Plan for Regional Haze*. November 2009. Retrieved from: <http://www.pca.state.mn.us/index.php/view-document.html?gid=2184>
- . 2009c. *Implementation Plan for Minnesota's Statewide Mercury Total Maximum Daily Load*. Minnesota Pollution Control Agency. December 2009. Retrieved from: <http://www.pca.state.mn.us/index.php/view-document.html?gid=11481>
- . 2009d. *General Guidance for Carbon Footprint Development in Environmental Review*. September 2009. St. Paul, MN.
- . 2010a. *DMR Summary Report: ArcelorMittal Minorca Mine Inc. – Laurentian*. 2010 data queried April 25, 2013.
- . 2010b. *DMR Summary Report: Cliffs Eris – Hoyt Lakes Mining Area*. 2010 data queried April 25, 2013.
- . 2010c. *DMR Summary Report: Cliffs Erie – HL Tailings Basin Area*. 2010 data queried April 25, 2013.
- . 2010d. *DMR Summary Report: Mesabi Nugget Delaware LLC*. 2010 data queried April 25, 2013.
- . 2011a. *Draft Updated Staff Recommendation, St. Louis River – Partridge River to Cloquet*. March 28, 2011.
- . 2011b. *Draft Updated Staff Recommendation. Seasonal Application of Wild Rice Sulfate Standard - Partridge and Embarrass Rivers*. March 28, 2011.
- . 2011c. *EDA: Surface Water Environmental Data*. Accessed: January 27, 2012. Retrieved from: <http://www.pca.state.mn.us/index.php/data/eda-surface-water-searches/eda-surface-water-data.html>
- . 2011d. *DRAFT Revised MPCA Staff Recommendation on Impact Criteria Related to the Permittability of the Proposed PolyMet Tailings Basin*. June 20, 2011.

- . 2011e. *Discussing Greenhouse Gas Emissions in Environmental Review*. St. Paul, Minnesota. December 2011. Retrieved from: <http://www.pca.state.mn.us/index.php/view-document.html?gid=12570>
- . 2011f. *DMR Summary Report: ArcelorMittal Minorca Mine Inc. – Laurentian*. 2011 data queried April 25, 2013.
- . 2011g. *DMR Summary Report: Cliffs Eris – Hoyt Lakes Mining Area*. 2011 data queried April 25, 2013.
- . 2011h. *DMR Summary Report: Cliffs Erie – HL Tailings Basin Area*. 2011 data queried April 25, 2013.
- . 2011i. *DMR Summary Report: Mesabi Nugget Delaware LLC*. 2011 data queried April 25, 2013.
- . Personal Communication. Email from Kellie Gavin (MPCA) to Danny Kringel (ERM) RE: Ambient Air Quality Data Request. October 28, 2011.
- . 2012a. *Draft Staff Recommendation, Seasonal Application of the Wild Rice Sulfate Standard - Partridge River*. August 27, 2012.
- . 2012b. *Draft Staff Recommendation, Waters Used for the Production of Wild Rice - Partridge and Embarrass Rivers*. August 13, 2012.
- . 2012c. *WIMN: What's in My Neighborhood?* Accessed: April 30, 2012 and June 14, 2012. Retrieved from: <http://www.pca.state.mn.us/index.php/data/whats-in-my-neighborhood/index.html>
- . 2012d. *PolyMet EIS Mercury Issues Meeting Themes & Consultant Notes*. MPCA Duluth Offices. July 10, 2012.
- . 2012e. *Minnesota Criteria Pollutant Emission Inventory - Emission Sources*. Minnesota Pollution Control Association. Retrieved from: <http://www.pca.state.mn.us/>
- . 2012f. *Regional Haze State Implementation Plan Supplement*. April 2012. Retrieved from: <http://www.pca.state.mn.us/index.php/view-document.html?gid=16991>
- . 2012g. *Guidelines for New and Modified Mercury Air Emissions Sources*. December 6, 2012. Retrieved from: <http://www.pca.state.mn.us/index.php/topics/mercury/plan-to-reduce-mercury-releases-by-2025.html>
- . 2012h. *Air Emission Risk Analysis (AERA) – Guidance Updates: What's New Archives*. Retrieved from: <http://www.pca.state.mn.us/index.php/air/air-monitoring-and-reporting/air-emissions-modeling-and-monitoring/air-emission-risk-analysis-aera/air-emissions-risk-analysis-aera-guidance-updates-whats-new-archives.html>
- . 2012i. *DMR Summary Report: ArcelorMittal Minorca Mine Inc – Laurentian*. 2012 data queried April 25, 2013.
- . 2012j. *DMR Summary Report: Cliffs Eris – Hoyt Lakes Mining Area*. 2012 data queried April 25, 2013.
- . 2012k. *DMR Summary Report: Cliffs Erie – HL Tailings Basin Area*. 2012 data queried April 25, 2013.



- . 2012l. *DMR Summary Report: Mesabi Nugget Delaware LLC*. 2012 data queried April 25, 2013.
- . 2012m. *DMR Summary Report: Mesabi Mining Area*. 2012 data queried April 25, 2015.
- . 2012n. *Final 2012 Impaired Waters List*. Approved by EPA July 25, 2013. Retrieved from:  
<http://www.pca.state.mn.us/index.php/water/water-types-and-programs/minnesotas-impaired-waters-and-tmdls/impaired-waters-list.html#final-2012-impaired-waters-list>
- . 2013a. *Water*. Retrieved from: <http://www.pca.state.mn.us/index.php/water/index.html>
- . 2013b. *Air Emissions Risk Analysis (AERA)*. Retrieved from: <http://www.pca.state.mn.us/mvriafb5>
- . 2013c. *St. Louis River Watershed Monitoring and Assessment Report*. Document number: wq-ws3-04010201b. St. Paul, Minnesota. March 2013.
- . 2013d. *Annual Air Monitoring Network Plan for Minnesota – 2014*. St Paul, MN.
- . 2013e. *Sources of Mercury Pollution and the Methylmercury Contamination of Fish in Minnesota*. February 2013. Retrieved from: <http://www.pca.state.mn.us/index.php/view-document.html?gid=288>
- . 2013f. *DMR Summary Report: ArcelorMittal Minorca Mine Inc – Laurentian*. 2013 data queried April 13, 2015.
- . 2013g. *DMR Summary Report: Hoyt Lakes Mining Area*. 2013 data queried April 13, 2015.
- . 2013h. *DMR Summary Report: Cliffs Eris – HL Tailings Basin Area*. 2013 data queried April 13, 2015.
- . 2013i. *DMR Summary Report: Mesabi Mining Area*. 2013 data queried April 13, 2015.
- . 2013j. *DMR Summary Report: Mesabi Nugget Delaware LLC*. 2013 data queried April 13, 2015.
- . 2013k. *DMR Summary Report: Northshore Mining Co. – Peter Mitchell*. 2013 data queried April 13, 2015.
- . 2013l. *MPCA Determination Regarding PolyMet’s Impact on the Reduction Goals within the Mercury TMDL Implementation Plan*. March 4, 2013.
- . Personal Communication. Email from Richard Clark (MPCA) to Dave Blaha (ERM) RE: Hg values for POTW discharges. April 29, 2013.
- . 2014. *Guidance Manual for Assessing the Quality of Minnesota Surface Waters for Determination of Impairment: 305(b) Report and 303(d) List*. April 2014. Retrieved from:  
<http://www.pca.state.mn.us/index.php/view-document.html?gid=16988>
- . 2014b. *What’s in My Neighborhood?* Online Application. Accessed: March 24, 2015. Retrieved from:  
<http://www.pca.state.mn.us/index.php/data/whats-in-my-neighborhood/index.html>
- . 2014c. *DMR Summary Report: ArcelorMittal Minorca Mine Inc*. 2014 data queried April 13, 2015.
- . 2014d. *DMR Summary Report: Cliffs Erie – Hoyt Lakes Mining Area*. 2014 data queried April 13, 2015.
- . 2014e. *DMR Summary Report: Mesabi Nugget Delaware LLC*. 2014 data queried April 13, 2015.
- . 2014f. *DMR Summary Report: Mesabi Mining*. 2014 data queried April 13, 2015.

- . 2014g. *Guidance Manual for Assessing the Quality of Minnesota Surface Waters for Determination of Impairment: 305(b) Report and 303(d) List*. 2014 Assessment and Listing Cycle. St. Paul, MN. Retrieved from: <http://www.pca.state.mn.us/index.php/view-document.html?gid=16988>
- . 2014h. *Five-Year Regional Haze Progress Report State Implementation Plan*. December 2014.
- . Personal Communication. Email from Richard Clark (MPCA) to Lisa Fay (MDNR) RE: PolyMet information on HRF residues. October 24, 2014.
- . Personal Communication. Email from Richard Clark (MPCA) to Lindsey France (ERM) RE: Mercury and Sulfate Values. March 24, 2015.
- MSHA (Mine Safety and Health Administration). 2005. *Asbestos Exposure Limits: Proposed Rule 30 CFR Parts 56,57,and 71*. Federal Register 70(145), 43950-43989. Accessed: July 29, 2005. Retrieved from: <http://www.msha.gov/30cfr/0.0.HT>
- NADP (National Atmospheric Deposition Program). 2014. *NADP/MDN Monitoring Location MN16, Marcell Experimental Forest, Itasca County, Minnesota. Operation Data 1996 – Present*. Retrieved from: <http://nadp.sws.uiuc.edu/sites/siteinfo.asp?net=MDN&id=MN16>
- Namur, Olivier, Bernard Charlier, Cassian Pirard, Jörg Hermann, Jean-Paul Liégeois, and Jacqueline Vander Auwera. 2011. *Anorthosite Formation by Plagioclase Flotation in Ferrobasalt and Implications for the Lunar Crust*. *Geochimica et Cosmochimica Acta*, 75: 4998- 5018.
- NASA (National Aeronautics and Space Administration). 2008. *GISS Surface Temperature Trends: 2008 Summation*. December 16, 2008. Retrieved from: <http://data.giss.nasa.gov/gistemp/2008/>
- NatureServe. 2011. *Online Encyclopedia of Life, Version 7.1* [web application]. Arlington, VA. Accessed: August 19, 2011. Retrieved from: <http://www.natureserve.org/explorer/>
- . 2012. *NatureServe Explorer: Online Encyclopedia of Life, Version 7.1* [web application]. Arlington, VA. Accessed: May 1, 2012. Retrieved from: <http://www.natureserve.org/explorer>
- . 2013. *NatureServe Explorer: Western Moonwort (Botrychium hesperium)*. Arlington, Virginia. Accessed: July 12, 2013. Retrieved from: <http://www.natureserve.org/explorer/>
- . 2014a. *NatureServe Explorer: Accipiter gentilis, Aegolius Funereus, Alces americanus, Canis lupus, Cicindela denikei, Coturnicops noveboracensis, Erebia mancinus, Glyptemys insculpta, Haliaeetus leucocephalus, Lynx canadensis, Myotis lucifugus, Myotis septentrionalis, Perimyotis subflavus, Phenacomys ungava, Picoides dorsalis, Plebejus idas nabokovi, Pyrgus centaureae freija, Somatochlora brevicincta, Strix nebulosa*. Retrieved from: <http://www.natureserve.org/explorer/>
- . 2014b. *NatureServe Explorer: Botrychium campestre, Botrychium pallidum, Botrychium rugulosum, Botrychium simplex, Caltha natans, Carex ormostachya, Eleocharis nitida, Juncus stygius var americanus, Platanthera clavellata, Pyrola minor, Ranunculus lapponicus, Saxifraga paniculata, Sparganium glomeratum, Torreyochloa pallida, Woodsia scopulina*. Retrieved from: <http://www.natureserve.org/explorer/>
- . 2015. *NatureServe Explorer: Somatochlora brevicincta*. Retrieved from: <http://www.natureserve.org/explorer/>

- NCDC (National Climatic Data Center). 2010. *Climate of Minnesota*. Accessed: September 25, 2010. Retrieved from: <http://pbadupws.nrc.gov/docs/ML0833/ML083380322.pdf>
- NCDENR (North Carolina Department of Environment and Natural Resources). 2006. *Standard Operating Procedure Biological Monitoring: Stream Fish Community Assessment Program, Version 4*. August 1, 2006. Retrieved from: <http://portal.ncdenr.org/web/wq/ess/bau/ncibi-data>
- Nesper, L., A. Willow, and F. King. 2002. *The Mushgigagamongsebe District: A Traditional Cultural Landscape of the Sokaogon Ojibwe Community*. Report Compiled for the Sokaogon Community.
- NIOSH (U.S. Department of Health and Human Services National Institute for Occupational Safety and Health). 1985. *NIOSH Pocket Guide to Chemical Hazards*. Publication No. 85-114, September 1985. Accessed: January 2012. Retrieved from: <http://www.cdc.gov/niosh/npg/>
- . 1994. *Asbestos and Other Fibers by PCM*. Issue 2. August 15, 1994. Retrieved from: <http://www.cdc.gov/niosh/docs/2003-154/pdfs/7400.pdf>
- . 2007. *NIOSH Pocket Guide to Chemical Hazards*. U.S. Department of Health and Human Services, Public Health Service, Center for Disease Control, National Institute for Occupational Safety and Health, 454 p. NIOSH Publication No. 2005-149.
- NOAA (National Oceanic and Atmospheric Administration). 2007. *Climate At A Glance, Fall (Sep-Nov) Temperature Contiguous United States*. Retrieved from: <http://www.ncdc.noaa.gov/cag/>
- . 2013. *Technical Report NESDIS 142-3: Regional Climate Trends and Scenarios for the U.S. National Climate Assessment. Part 3. Climate of the Midwest*. Washington D.C.: January 2013. Retrieved from: [http://www.nesdis.noaa.gov/technical\\_reports/NOAA\\_NESDIS\\_Tech\\_Report\\_142-3-Climature\\_of\\_the\\_Midwest\\_U.S.pdf](http://www.nesdis.noaa.gov/technical_reports/NOAA_NESDIS_Tech_Report_142-3-Climature_of_the_Midwest_U.S.pdf)
- Nordquist, G.E. and E.C. Birney. 1985. *Distribution and Status of Bats in Minnesota*. Final Report: Nongame Wildlife Program, Minnesota Department of Natural Resources. Minneapolis, MN: University of Minnesota.
- Norrgard, R., G. Drotts, A. Drewes, and N. Dietz. 2007. *Minnesota Natural Wild Rice Harvesters Survey: A Study of Harvesters' Activities and Opinions*. December 2007. Retrieved from: [http://files.dnr.state.mn.us/fish\\_wildlife/wildlife/wildrice/WildRiceHarvest-20080301.pdf](http://files.dnr.state.mn.us/fish_wildlife/wildlife/wildrice/WildRiceHarvest-20080301.pdf)
- Northland Connection. 2012. *Regional Capacity and Public Safety Data*.
- NPS (National Park Service). 1990. *Episodic Acidification of Surface Waters Due to Acidic Deposition, Report 12. Acidic Deposition: State of Science and Technology*. P.J. Wigington, T.D. Davies, M. Tranter, K.N. Eshelman. Washington D. C. 1990: National Acid Precipitation Assessment Program (NAPAP).
- . 1995. *How to Apply the National Register Criteria for Evaluation*. National Register Bulletin 15.
- NRRI (Natural Resources Research Institute). 2014. *Moose in Minnesota: Diseases and Parasites*. Accessed: August 19, 2014. Retrieved from: <http://www.nrri.umn.edu/moose/information/diseases.html>

- NTS (Northeast Technical Services, Inc.). 2002. *Phase I - Environmental Site Assessment, Cliffs Erie Properties Including: The Hoyt Lakes Facility, Dunka Road Property, Taconite Harbor and Railroad Corridors*. Prepared for Cliffs Erie, LLC. September 2002.
- . 2009. *2008 Annual Report Hoyt Lakes Tailings Basin, Cliffs Erie LLC, NPDES/SDS Permit No. MN0054089*. January 2009.
- . 2010a. *Phase I Environmental Site Assessment, Cliffs Biwabik Ore Corporation Property Hay Lake*. Prepared for PolyMet Mining, Inc. June 2010.
- . 2010b. *Phase I Environmental Site Assessment, Wheaton College Property - McFarland Lake - Township 64N, Range 3E, Section 9*. Prepared for PolyMet Mining, Inc. June 2010.
- . 2011. *Test Pit Results and Waste Removal Summary for Cliffs Biwabik Ore Corporation Property Located Near Biwabik, Minnesota*. December 22, 2011.
- Ohio EPA (Ohio Environmental Protection Agency). 1989. *Biological Criteria for the Protection of Aquatic Life: Volume III: Standardized Biological Field Sampling and Laboratory Methods for Assessing Fish and Macroinvertebrate Communities*. September 30, 1989. Retrieved from: [http://epa.ohio.gov/portals/35/documents/BioCrit88\\_Vol3Sec5.pdf](http://epa.ohio.gov/portals/35/documents/BioCrit88_Vol3Sec5.pdf)
- Ojakangas, R.W. and C.L. Matsch. 1982. *Minnesota's Geology*. University of Minnesota Press, Minneapolis, MN.
- Olcott, P.G. and D.I. Siegel. 1979. *Physiography and Surficial Geology of the Copper-Nickel Study Region, Northeastern Minnesota*. USGS Water-Resources Investigations 78-51, Open file report, Prepared in Cooperation with Minnesota Environmental Quality Board.
- Old Bridge Chemicals, Inc. 1999. *Copper Sulfate MSDS*. March 16, 1999.
- Overstreet, D.F., and M.F. Kolb. 2003. *Geoarchaeological Contexts for Late Pleistocene Archaeological Sites with Human-modified Woolly Mammoth Remains in Southeastern Wisconsin, U.S.A.* Geoarchaeology Special Issue: Paleoindian Geoarchaeology: Part II, 18(1). January 2003.
- Palekar, L.D., C.M. Spooner, and D.L. Coffin. 1979. *Influence of Crystalline Habit of Minerals on in Vitro Cytotoxicity*. Annals of N.Y. Academy of Sciences, 330: 673-686.
- Peden, D.G. 1982. *Factors Associated with Growth of Wild Rice in Northern Saskatchewan*. Arctic, 35(2): 307-311.
- PHMSA (U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration, Office of Hazardous Material Safety). 2012a. *All Incidents, 2002 through 2011*. February 8, 2012.
- . 2012b. *Bulk Incidents, 2002 through 2011*. February 8, 2012.
- . 2012c. *2012 Emergency Response Guidebook*. U.S. Department of Transportation and Transport Canada.
- Pint, T. and B. Dehler. 2008. *Technical Memorandum: PolyMet Tailings Basin Permeabilities*. August 28, 2008.
- Poléo, A.B.S., K. Østbye, S.A. Øxnevad, R.A. Andersen, E. Heibo, and L. A. Vollestad. 1997. *Toxicity of Acid Aluminium-Rich Water to Seven Freshwater Fish Species: A Comparative Laboratory Study*. Environmental Pollution, 06(2): 129-139. February 1997.

- PolyMet (PolyMet Mining). 2007a. *ER05: NorthMet Project Preliminary SPCC Plan*. February 23, 2007.
- . 2007b. *PolyMet NorthMet Geology and Resource Background, August 2006 (Revised January 2007)*. PolyMet Project Description Support Document, ERO3, 82.
- . 2007c. *RS78 – Block Ore and Waste: Report on Mine Block Model PATELKE-MAR-02-2007*. Draft-01.
- . 2008. *PolyMet Updates Capital and Operating Costs: Revised Construction Plans Reduce Pre-Revenue Capital Costs and time Line Project Development Update*. May 20, 2008. Retrieved from: <http://www.marketwire.com/press-release/polymet-updates-capital-and-operating-costs-amex-plm-858596.htm>
- . 2008b. *2008 Bankable Feasibility Study*. May 20, 2008. PolyMet Mining Corp News Room.
- . 2011a. *NorthMet Project Wild Rice Mitigation, Sensitive Period Aspects, Version 1*. July 27, 2011.
- . 2011b. *NorthMet Project Wetland Analysis Work Plan, Version 3*. Issue Date October 13, 2011. Report prepared for PolyMet Mining Company.
- . Personal Communication. Email from Kevin Pylka (PolyMet) to Dirk Leemkuil (ERM) RE: Hazardous Waste Management. November 17, 2011.
- . 2012c. *PolyMet Mining, Job Opportunities – 2 and 4 Year Degrees*.
- . 2012d. *PolyMet Mining, Job Opportunities – Construction/Mine Development Man-hours*.
- . 2012e. *Hoyt Lakes, Minnesota Standard Procedure: Reclamation Seeding and Mulching*. December 14, 2012.
- . 2012k. *NorthMet Project Geotechnical Modeling Work Plan, Version 2*. March 8, 2012.
- . Personal Communication. Annual Taxes Estimate. March 29, 2012.
- . Personal Communication. Email from Dennis Orehek (PolyMet) to Andrea McGinnis (ERM) RE: NorthMet EIS: PINs Needed. April 17, 2012.
- . Personal Communication. Email from Kevin Pylka (PolyMet) to Dirk Leemkuil (ERM) RE: NorthMet Inquiry Regarding the Plant Site Wastewater Treatment Facility. May 11, 2012.
- . Personal Communication. Email from Kevin Pylka (PolyMet) to Benjamin Sussman (ERM) RE: NorthMet EIS: Light Pollution. July 25, 2012.
- . Personal Communication. Email from Kevin Pylka (PolyMet) to Bec Gawtry (ERM) RE: Hay Lake (Non Federal Parcel) Phase 1 Clean-up. August 8, 2012.
- . 2013o. *NorthMet Project Revised Wetland Permit Application, Version 1*. Issued August 19, 2013.
- . 2014a. *PolyMet Rail Car Modifications Evaluation*. Response to Agency Comments on the NorthMet Water Management Plan-Mine Version 2 and EPA Comments on the SDEIS re: Potential Rail Car Ore Spillage. November 26, 2014.
- . 2014b. *Addendum to Phase I Architectural History Evaluation and Historic Context Study*. NorthMet Project. Hoyt Lakes, St. Louis County, Minnesota. November 2014.

- . 2014c. *NorthMet Project Geotechnical Data Package - Hydrometallurgical Residue Facility, Volume 2, Version 5*. November 26, 2014.
- . 2014h. *Aitkin Wetland Mitigation Site: Wetland Mitigation Plan*. May 2014.
- . 2014i. *Hinckley Wetland Mitigation Site: Wetland Mitigation Plan*. May 2014.
- . 2014j. *Zim Sod Wetland Mitigation Site: Wetland Mitigation Plan*. May 2014.
- . 2014l. *NorthMet Pit: Draft Conceptual Plan for Bedrock Groundwater Flow Mitigation*. Project I.D. 12P778. August 2014.
- . 2014m. *NorthMet Project Air Quality Management Plan – Mine, Version 4*. December 4, 2014.
- . 2014n. *NorthMet Project Air Quality Management Plan – Plant, Version 7*. December 5, 2014.
- . 2014p. *NorthMet Project Geotechnical Data Package, Volume 2 – Mine Site Stockpiles*. November 25, 2014.
- . 2014q. *NorthMet Project Mine Plan, Version 4*. December 9, 2014.
- . 2014r. *NorthMet Project Residue Management Plan, Version 4*. December 12, 2014.
- . 2014v. *NorthMet Project Water Modeling Results – Mine Site, Version 6*. December 15, 2014.
- . 2014w. *NorthMet Project Water Modeling Results – Plant Site, Version 6*. December 15, 2014.
- . 2014x. “Attachment F – 2014 Geotechnical Investigation Report.” In *Geotechnical Data Package, Volume 1 – Flotation Tailings Basin, Version 5*. December 30, 2014.
- . 2015a. *NorthMet Project Description Version 9*. February 19, 2015.
- . 2015b. *NorthMet Project Wetland Data Package, Version 11*. April 8, 2015.
- . 2015c. *NorthMet Project Wetland Management Plan, Version 7*. January 28, 2015.
- . 2015d. *NorthMet Project Adaptive Water Management Plan, Version 9*. April 30, 2015.
- . 2015e. *NorthMet Project Air Data Package, Version 5*. January 15, 2015.
- . 2015f. *Technical Memorandum: NorthMet Project – Estimate of Mercury Loading to the Lower St. Louis River, Version 3*. From Cliff Twaroski and Denise Levitan, Barr, to Richard Clark, MPCA. January 28, 2015.
- . 2015g. *NorthMet Project Reclamation Plan, Version 6*. February 10, 2015.
- . 2015h. *NorthMet Project Rock and Overburden Management Plan, Version 7*. January 20, 2015.
- . 2015i. *NorthMet Project Water Management Plan – Plant, Version 4*. March 10, 2015.
- . 2015j. *NorthMet Project Water Modeling Data Package, Volume 2 – Plant Site, Version 11*. March 13, 2015.
- . 2015k. *Technical Letter: PolyMet's Plan to Incorporate Cement Deep Soil Mixing into the Existing Tailings Basin*. January 9, 2015.
- . 2015l. *Geotechnical Data Package, Volume 1 – Flotation Tailings Basin, Version 6*. February 26, 2015.

- . 2015m. *NorthMet Project Water Modeling Data Package, Volume 1-Mine Site, Version 14*. February 27, 2015.
- . 2015n. *NorthMet Project Tailings Management Plan, Version 5*. March 3, 2015.
- . 2015o. *NorthMet Project GoldSim Model 500-year Results -- Plant Site*. January 12, 2015.
- . 2015p. *NorthMet Project Surface Water Concentration Modeling Results -- Plant Site*. January 12, 2015.
- . 2015q. *NorthMet Project Waste Characterization Data Package, Version 12*. February 13, 2015.
- . 2015r. *NorthMet Project Water Management Plan – Mine, Version 4*. March 9, 2015.
- . 2015s. *NorthMet Project GoldSim WWTP Modeling: Lead, Plant Site*. April 21, 2015.
- . 2015t. *Information Provided by PolyMet Regarding Hydrometallurgical Residue Assessment for Lethality*. August 2015.
- Pomroy, D. and R. Barnes. 2004. *Rare Plant Survey at the PolyMet Mine 13l Site Located in T59N R13W*. Prepared for Barr Engineering Company. August 2004.
- Poole, K.G. 1994. *Characteristics of an Unharvested Lynx Population During a Snowshoe Hare Decline*. *The Journal of Wildlife Management*, 58(4): 608-618.
- Porterfield, J. and P. Ceas. 2008. *Minnesota State Wildlife Grants Program. Distribution, Abundance and Genetic Diversity of the Longear Sunfish (Lepomis megalotis) in Minnesota, with Determination of Important Populations*. Final Report. Prepared for Minnesota Department of Natural Resources MDNR. March 12, 2008.
- Power, T.M. 2007. *The Economic Role of Mining in Minnesota: Past, Present, and Future*. Prepared for the Minnesota Center for Environmental Advocacy and the Sierra Club.
- Pratt, T.C. and N.E. Mandrak. 2007. *Abundance, Distribution and Identification of the Shortjaw Cisco (Coregonus zenithicus) in the Proposed Lake Superior Marine Protected Area*. Canadian Technical Report of Fisheries and Aquatic Sciences, 2697.
- Praxair Technology Inc. 2009a. *Carbon Dioxide, Refrigerated Liquid MSDS, P-4573-D*. December 2009.
- . 2009b. *Sulfur Dioxide MSDS, P-4665-F*. May 2009.
- Propst, B.M., and C.P. Dawson. 2008. *State-designated Wilderness in the United States: A National Review*. *International Journal of Wilderness*, 14(1): 19-24. April 2008.
- Rankin, E.T. 1989. *The Qualitative Habitat Evaluation Index QHEI : Rationale, Methods, and Applications*. Ohio EPA, Division of Water Quality Planning and Assessment, Ecological Analysis Section. November 6, 1989.
- Ray, E.F. 2010. *Industrial Noise Series, Part IV, Modeling Sound Propagation*. June 16, 2010.
- Rhyne, W.R. 1994. *Hazardous Materials Transportation Risk Analysis: Quantitative Approaches for Truck and Train Industrial Health & Safety*. Wiley Publishing. July 15, 1994.
- Richter, B.D., J.V. Baumgartner, J. Powell, and D.P. Braun. 1996. *A Method for Assessing Hydrologic Alteration within Ecosystems*. *Conservation Biology*, 10(4): 1163-1174.

- . 1998. *A Spatial Assessment of Hydrologic Alteration within a River Network*. Regulated Rivers: Research & Management, 14: 329-340.
- Rio Tinto (Rio Tinto plc). 2010. *Fact Sheet: Nickel-Copper Exploration Target at Tamarack (Minnesota, USA)*. Retrieved from: [http://www.riotinto.com/documents/ReportsPublications/Nickel-Copper\\_exploration\\_target\\_at\\_Tamarack.pdf](http://www.riotinto.com/documents/ReportsPublications/Nickel-Copper_exploration_target_at_Tamarack.pdf)
- Ripley, Edward M. 2014. *Ni-Cu-PGE Mineralization in the Partridge River, South Kawishiwi, and Eagle Intrusions: A Review of Contrasting Styles of Sulfide-Rich Occurrences in the Midcontinent Rift System*. Economic Geology, 109(2): 309-324.
- Risjord, N.K. 2005. *A Popular History of Minnesota*. Minnesota Historical Society Press, St. Paul. Retrieved from: <http://www.worldcat.org/title/popular-history-of-minnesota/oclc/770722098/viewport>
- Robson, A. 2000. *Guideline to Analysis*. In Z.W. Kundzewicz & A. Robson (eds.). *World Climate Programme - Water: Detecting Trend and Other Changes in Hydrological Data*. WMO/TD, 1013: 11-14. Geneva: World Meteorological Organization. Retrieved from: <http://water.usgs.gov/osw/wcp-water/detecting-trend.pdf>
- Rosgen, D.L. 1996. *Applied River Morphology*. Pagosa Springs, CO: Wildland Hydrology.
- Rouleau, A., J. Guha, G. Archambault, and A. Benlahcen. 2003. *An Overview of the Hydrogeology of the Precambrian Basement in Quebec and Related Mining Problems*. In Groundwater in Fractured Rocks (2003) IAH, Prague, Czech Republic; Krásný-Hrkal-Bruthans (eds.).
- Schram, S.T., J. Lindgren, and L.M. Evrard. 1999. *Reintroduction of Lake Sturgeon in the St. Louis River, Western Lake Superior*. North American Journal of Fisheries Management, 19 (3): 815-823. DOI: 10.1577.
- Scott, W.B. and E. J. Crossman. 1973a. "Lake Sturgeon." In *Freshwater Fishes of Canada*. Fisheries Research Board of Canada.
- . 1973b. "Northern brook lamprey." In: *Freshwater Fishes of Canada*. Fisheries Research Board of Canada.
- . 1973c. "Shortjaw cisco." In *Freshwater Fishes of Canada*. Fisheries Research Board of Canada.
- Selch, T.M., C.W. Hoagstrom, E.J. Weimer, J.P. Duehr, and S. R. Chipps. 2007. *Influence of Fluctuating Water Levels on Mercury Concentrations in Adult Walleye*. Bulletin of Environmental Contamination and Toxicology, 79: 36-40.
- SGS (SGS Lakefield Research Limited). 2004. "Flotation Pilot Products Environmental Investigation and Testing." As cited in Barr Engineering's *NorthMet Mine and Ore Processing Facilities Project: Fibers Data Related to the Processing of NorthMet Deposit Ore*. June 30.
- SCS (U.S.D.A. Soil Conservation Service). 1975. *Getting the Most Out of Your Raindrop: Hydrology Guide for Minnesota*. St. Paul, MN: U.S.D.A. SCS. [**NOTE: the true year of publication is unknown and listed as 197? in database/catalog records. 1975 has been chosen as a general publication time to allow for consistency in reference list organization.**]



- Shay, T.C. 1971. *The Itasca Bison Kill Site, An Ecological Analysis*. Minnesota Prehistoric Archaeology Series. Minnesota Historical Society.
- SHPO (State Historic Preservation Office). 2007. *Archaeological Survey Report: Memorandums Between St. Paul USACE and Minnesota Historical Society, SHPO*. St. Paul, Minnesota. February and March 2007.
- Siegel, D.I. and S.W. Ericson. 1980. *Hydrology and Water Quality of the Copper-Nickel Study Region, Northeastern Minnesota*. U.S. Geological Survey, Water-Resources Investigations 80-739 Open-File Report. Retrieved from: <http://pubs.usgs.gov/of/1980/0739/report.pdf>
- Skillings, H.W. 1972. *We're Standing on Iron!: The Story of the Five Wieland Brothers 1856-1883*. Duluth: St. Louis County Historical Society.
- SLCPD (St. Louis County Patrol Division). 2012. *County Zoning and Information*. Accessed: May 21, 2012. Retrieved from: <http://www.stlouiscountymn.gov/>
- Slough, B.G. and G. Mowat. 1996. *Lynx Population Dynamics in an Untrapped Refugium*. The Journal of Wildlife Management, 60(4): 946-961.
- Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller (eds.). 2007. *Climate Change 2007: The Physical Science Basis*. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.
- Soucek, D.J. 2006. *Effects of Freshly Neutralized Aluminum on Oxygen Consumption by Freshwater Invertebrates*. Archives of Environmental Contamination and Toxicology, 50: 353-360.
- SRK (SRK Consulting Engineers and Scientists). 2007b. *RS 53/42 – Waste Rock Characteristics/Waste Water Quality Modeling – Waste Rock and Lean Ore - NorthMet Project*. Draft 01. Prepared for PolyMet Mining Inc. March 9, 2007.
- . 2007c. *RS 54/46 – Waste Water Modeling – Tailings*. NorthMet Project. Draft 01. Prepared for PolyMet Mining, Inc. July 20, 2007.
- St. Louis, V.L., J.W.M. Rudd, C.A. Kelly, K.G. Beaty, R.J. Flett, and N.T. Roulet. 1996. *Production and Loss of Methylmercury and Loss of Total Mercury from Boreal Forest Catchments Containing Different Types of Wetlands*. Environmental Science and Technology, 30: 2719-2729.
- St. Louis County. 2011. *Online Zoning Information Database*. Accessed: May 1, 2012. Retrieved from: <http://www.stlouiscountymn.gov/LANDPROPERTY/BuildingZoning/Zoning.aspx>
- . 2013. *St. Louis County Hazard Mitigation Plan*. St. Louis County Sheriff's Office. March 2013 [update of April 2005 Plan].
- Stasiak, R.H. 2006. *Lake Chub (Couesius Plumbeus): A Technical Conservation Assessment*. Prepared for U.S.D.A. Forest Service, Rocky Mountain Region. May 4, 2006. Retrieved from: <http://www.fs.fed.us/r2/projects/scp/assessments/lakechub.pdf>
- State of Minnesota. 1985. *Report of the Administrative Law Judge: In the Matter of the Proposed Adoption of Minnesota Rules Parts 7000.4010 – 7005.4050, Relating to an Acid Deposition*

- Standard and Control Plan*. For the Minnesota Pollution Control Agency, Acid Precipitation Program. PCA-85-002-AK, 6-2200-34-1.
- . 2009. *Minnesota Administrative Rules 4410.2300 content of EIS*. Retrieved from: <https://www.revisor.mn.gov/rules/?id=4410.2300>
- . 2012. *Total State 2012-12 Operating Budget February 2012 Forecast*. Minnesota Management & Budget. Retrieved from: <http://www.beta.mmb.state.mn.us/doc/budget/report-pie/all-feb12.pdf>
- State of Minnesota v. Cliffs Erie, LLC. 2010. *Complaint and Consent Decree*. Ramsey County, MN, District Court, Second Judicial District. March 24, 2010.
- Steinbring, J. 1980. *An Introduction to Archaeology on the Winnipeg River*. Papers in Manitoba Archaeology Miscellaneous Paper 9. Department of Cultural Affairs and Historical Resources, Historic Resources Branch, Winnipeg.
- Stevenson, R. 1978. *Concentration of Mineral Fibers in Process Samples from Northeast Minnesota, Level I Report* (as cited in Barr, NorthMet Mine and Ore Processing Facilities Project: Fibers Data Related to the Processing of NorthMet Deposit Ore). St. Paul, MN: Minnesota Environmental Quality Board. November 1978.
- Stoltman, J.B. 1973. *The Laurel Culture in Minnesota*. Minnesota Prehistoric Archaeology Series No. 8. St. Paul, MN: Minnesota Historical Society.
- Sunde, P., S. Stener, and T. Kvam. 1998. *Tolerance to Humans of Resting Lynxes Lynx lynx in a Hunted Population*. *Wildlife Biology*, 4(3): 177-183.
- Suzuki, Y. and S. R. Yuen. 2002. *Asbestos Fiber Contributing to the Induction of Human Malignant Mesothelioma*. *Annals of the New York Academy of Sciences*, 982: 160-176, December 2002.
- Swain, E.B., D.R. Engstrom, M.E. Brigham, T.A. Henning, and P.L. Brezonik. 1992. *Increasing Rates of Atmospheric Mercury Deposition in Midcontinental North America*. *Science*, 257: 5071.
- Sweet, C.W., A. Weiss, and S.J. Vermette. 1998. *Atmospheric Deposition of Track Metals at Three Sites Near the Great Lakes*. *Water, Air, and Soil Pollution*, 103: 423-439.
- Tanner, H.H. (ed.). 1986. *Atlas of Great Lakes Indian History*. Civilization of the American Indian Series, 174.
- . 1994. *[Review of] Powhatan Foreign Relations, 1500-1722*. *Virginia Magazine of History and Biography*, 102(1). January 1994.
- Teller, J.T. 1987. *Proglacial Lakes and the Southern Margin of the Laurentide Ice Sheet*. In: *North America and Adjacent Oceans During the Last Deglaciation*. Edited by W. F. Ruddiman and H.E. Wright Jr.
- Tepper, Laura. 2011. *Road Ecology: Wildlife Habitat and Highway Design*. *Places Journal*. September 2011. Accessed: March 3, 2015. Retrieved from: <https://placesjournal.org/article/road-ecology-wildlife-habitat-and-highway-design/>
- Terrock Consulting Engineers. 2009. *Raeburn Quarry - Effects of Blasting, Terrock Blasting Report*. July 3, 2009.

- Thomas, M. and D. Mather. 1996. *The McKinstry Site 21KC1: Final Report of Phase III Investigation for Mn/DOT S.P. 3604-44, Replacement of the T.H. Bridge 5178 over the Little Fork River, Koochiching County, Minnesota*. Louchs Project Report 93512, Louchs and Associates, Inc.
- THPO (Tribal Historic Preservation Office). Personal Communication. NorthMet Project Historic Properties Consultation. April 29, 2012.
- TPL (Trust for Public Land). 2012. *Wolf Island*. Retrieved from: <http://www.tpl.org/what-we-do/where-we-work/minnesota/wolf-island.html>
- Trygg, J.W. 1966. *Composite Maps of U.S. Land Surveyor's Original Plans and Field Notes*. Trygg Land Office. Ely, Minnesota.
- United Health Foundation. 2014. *America's Health Rankings, State Data: Minnesota*. Retrieved from: <http://www.americashealthrankings.org/MN>
- University of Minnesota. 2013. *Taconite Workers Health Study*. Retrieved from: <http://taconiteworkers.umn.edu/about/index.html>
- University of Minnesota Duluth. 2011. *University of Minnesota Duluth Fall 2011 Facts*. Fall 2011 Accessed: May 9, 2012. Retrieved from: <http://www.d.umn.edu/facts/>
- UNO (United Nations Organization). 2012. *Hazard Class and Division*. Accessed: April 25, 2012. Retrieved from: <http://www.globalsecurity.org/military/systems/munitions/explosives-class.htm>
- URS. 2005. *Environmental Impact Statement for the McArthur River Mine Open Cut Project*. August 2005.
- USACE (U.S. Army Corps of Engineers). 1987. *Corps of Engineers Wetlands Delineation Manual*. Wetlands Research Program Technical Report Y-87-1 (online edition). Final, January 1987.
- . 2007. *Review of Archaeological Survey Report: Memorandums Between St. Paul USACE and Minnesota Historical Society, SHPO*. St. Paul, Minnesota. February and March 2007.
- . 2009. *St. Paul District Policy for Wetland Compensatory Mitigation in Minnesota*. January 23, 2009. Retrieved from: <http://www.mvp.usace.army.mil/Portals/57/docs/regulatory/MN-Special/Final%20St.%20Paul%20District%20Policy%20for%20Wetland%20Compensatory%20Mitigation%20in%20MNs.pdf>
- . 2013. *Draft Memorandum: Application of the Federal Mitigation Rule and St. Paul District Policy Guidance on Compensatory Mitigation – Compensation Ratios for Loss of Wetlands/Aquatic Resources*. May 29, 2013. St. Paul, Minnesota.
- . 2015a. *Letter from USACE to Jennifer Saran, PolyMet Mining. Re: Proposed Wetland Mitigation Sites for the NorthMet Project*. Operations Regulatory (MVP-1999-5528-JKA). January 13, 2015.
- USACE et al. (U.S. Army Corps of Engineers, Minnesota Department of Natural Resources, U.S.D.A. Forest Service, and PolyMet Mining, Inc.). 2005. *Memorandum of Understanding for the Proposed PolyMet Mining, Inc. NorthMet Project in Northeastern Minnesota*.
- U.S. Census Bureau. 1980. *Decennial Censuses*. Accessed: October 24, 2011. Retrieved from: <http://www.census.gov/prod/www/abs/decennial/>

- . 1990. *Decennial Censuses*. Accessed: October 24, 2011. Retrieved from: <http://www.census.gov/prod/www/abs/decennial/>
- . 2000. *Decennial Censuses*. Accessed: October 24, 2011. Retrieved from: <http://www.census.gov/prod/www/abs/decennial/>
- . 2009. *County Business Patterns for St. Louis, Cook, and Lake Counties, Minnesota*. Accessed: May 9, 2012. Retrieved from: <http://www.census.gov/econ/cbp>
- . 2010a. *American Community Survey 2006-2010 5-Year Estimates: Population and Housing Characteristics Based on Data Collected from January 1, 2006 to December 31, 2010*. Retrieved from: <http://www.census.gov/acs/www/>
- . 2010b. *Decennial Censuses*. Accessed: October 24, 2011. Retrieved from: <http://www.census.gov/prod/www/abs/decennial/>
- USDA (U.S. Department of Agriculture). 2012. *Minnesota Hydric Soils List*. Accessed June 20, 2012. Retrieved from: <http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/use/hydric/>
- USDOE and MDC (U.S. Department of Energy and Minnesota Department of Commerce). 2007. *Mesaba Energy Project, Draft Environmental Impact Statement, DOE/EIS-0382D, MN PUC Docket # E6472/GS-06-668*. November 2007. Retrieved from: [http://energy.gov/sites/prod/files/Mesaba\\_DEIS\\_Summary.pdf](http://energy.gov/sites/prod/files/Mesaba_DEIS_Summary.pdf)
- . 2009. *Mesabe Energy Project, Final Environmental Impact Statement. DOE/EIS-0383, MN PUC Docket#E6472/GS-06-668*. November 2009. Retrieved from: [http://energy.gov/sites/prod/files/nepapub/nepa\\_documents/RedDont/EIS-0382-FEIS-01-2009.pdf](http://energy.gov/sites/prod/files/nepapub/nepa_documents/RedDont/EIS-0382-FEIS-01-2009.pdf)
- US DOT (U.S. Department of Transportation Federal Highway Administration). 2011. *Superior National Forest Scenic Byway*. Accessed: January 12, 2012. Retrieved from: <http://www.fhwa.dot.gov/byways/>
- US DOT and MDOT (U.S. Department of Transportation Federal Highway Administration and Minnesota Department of Transportation). 2014. *Draft Environmental Impact Statement: US Highway 53 Virginia to Eveleth*. Minnesota State Project Number SP 6918-80. December 2014. Retrieved from: [http://www.dot.state.mn.us/d1/projects/hwy53relocation/Environmental/\\_Front%20Matter%20and%20Executive%20Summary.pdf](http://www.dot.state.mn.us/d1/projects/hwy53relocation/Environmental/_Front%20Matter%20and%20Executive%20Summary.pdf)
- USEPA (U.S. Environmental Protection Agency). 1974. *Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety. 550/9-74-004*. March 1974. Retrieved from: <http://nepis.epa.gov>
- . 1991. *Lead and Copper Rule*. Revised October 10, 2007. Retrieved from: [http://water.epa.gov/lawsregs/rulesregs/sdwa/lcr/lcrmr\\_index.cfm](http://water.epa.gov/lawsregs/rulesregs/sdwa/lcr/lcrmr_index.cfm)
- . 1993. *Risk Assessment Guidance for Superfund Volume 1: Human Health Evaluation Manual, Supplemental Guidance "Standard Default Exposure Factors," Interim Final*. Washington DC: Office of Emergency and Remedial Response, Toxics Integration Branch, March 1991. PB 91-9211314, OSWER DIRECTIVE: 9285.6-03.

- . 1996. *EPA's Composite Model for Leachate Migration with Transformation Products; EPACMTP: Background Document for Metals, Volume I: Methodology*. Office of Solid Waste. Washington D.C. August. Intro and Overview retrieved from: <http://www.pca.state.mn.us/index.php/view-document.html?gid=3136>
- . 1997. *Mercury Study Report to Congress. Volume VII: Characterization of Human Health and Wildlife Risks from Mercury Exposure in the United States*. EPA0-452/R-97-009. December 1997.
- . 1999. *Title 40, Code of Federal Regulations, Part 51, Subpart P – Protection of Visibility, Section 51.302 Implementation Control Strategies for Reasonably Attributable Visibility Impairment*. Federal Register 35763, 35774, July 1, 1999.
- . 1999b. *Consideration of Cumulative Impacts in EPA Review of NEPA Documents*. Office of Federal Activities (2252A). EPA 315-R-99-002/May 1999. Retrieved from: <http://www.epa.gov/compliance/resources/policies/nepa/cumulative.pdf>
- . 2003. *Guidance for Tracking Progress Under the Regional Haze Rule*. Contract No. 68-D-02-0261, Work Order No. 1-06. EPA-454/B-03-004. U.S Environmental Protection Agency, Office of Air Quality Planning and Standards Emissions, Monitoring and Analysis Division, Air Quality Trends and Analysis Group, Research Triangle Park, NC. September 2003. Retrieved from: <http://nepis.epa.gov/Adobe/PDF/P1006KM2.pdf>
- . 2004. *The Particle Pollution Report, Current Understanding of Air Quality and Emissions through 2003*. Contract No. 68-D-02-065, Work Assignment No. 2-01. EPA 454-R-04-002. U.S Environmental Protection Agency, Office of Air Quality Planning and Standards Emissions, Monitoring and Analysis Division, Air Quality Trends and Analysis Division, Research Triangle Park, NC. December 2004. Retrieved from: [http://www.epa.gov/airtrends/aqtrnd04/pmreport03/report\\_2405.pdf](http://www.epa.gov/airtrends/aqtrnd04/pmreport03/report_2405.pdf)
- . 2004b. *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*. Final. Office of Superfund Remediation and Technology Innovation (OSRTI). OSWER 9240.1-45. EPA 540-R-04-004. Washington, D.C. October 2004.
- . 2005. *Partition Coefficients for Metals in Surface Water, Soil, and Waste*. U.S. Environmental Protection Agency, Office of Research and Development. Document. Contributing Authors: Jerry D. Allison and Terry L. Allison. EPA/600/R-05/074. July 2005.
- . 2005b. *National Functional Guidelines for Superfund Organic Methods Data Review*. USEPA Contract Laboratory Program. Office of Superfund Remediation and Technology Innovation (OSRTI). OSWER 9240.1-46. USEPA-540-R-04-009. Washington, D.C. January 2005.
- . 2006. *Guidance on Systematic Planning Using the Data Quality Objectives Process*. EPA/240/B-06/001. February 2006. Retrieved from: <http://www.epa.gov/quality/qs-docs/g4-final.pdf>
- . 2008. *Integrated Risk Information System. Asbestos CASRN 1332-21-4*. Retrieved from: <http://www.epa.gov/iris/subst/0371.htm>
- . 2009a. *Memorandum: Clarification on EPA-FLM Recommended Settings for CALMET*. USEPA Office of Air Quality Planning and Standards memorandum. August 31, 2009. Retrieved from: <http://www.epa.gov/ttn/scram/guidance/clarification/CALMET%20CLARIFICATION.pdf>

- . 2009b. *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Unified Guidance*. EPA 530/R-09-007. March 2009. Retrieved from:  
<http://www.epa.gov/osw/hazard/correctiveaction/resources/guidance/sitechar/gwstats/unified-guid.pdf>
- . 2010. *Region 2 Water: Non-Detect Policy*. Memorandum for Contract Laboratories. Originally Published February 28, 1997. Last Updated October 5, 2010. Accessed: October 1, 2014. Retrieved from: <http://www.epa.gov/region02/water/dredge/nondetect.htm>
- . 2011a. *Aquatic Resource Monitoring – Terminology*. Accessed: January 27, 2012. Retrieved from <http://www.epa.gov/nheerl/arm/terms.htm>
- . 2011b. *Biological Indicators of Watershed Health – Metrics and the Index of Biotic Integrity*. Accessed: January 27, 2012. Retrieved from: [http://www.epa.gov/bioiweb1/html/ibi\\_metrics.html](http://www.epa.gov/bioiweb1/html/ibi_metrics.html)
- . 2011c. *Comments on the Technical Memorandum for Characterizing Uncertainty in the Mine Site Background Groundwater Data*. Memorandum E-19J, from Simon Manoyan, EPA Office of Enforcement and Compliance Assurance.
- . 2011d. *AirData*. Retrieved from: <http://www.epa.gov/airdata/index.html>
- . 2011e. *Toxicological Review of Libby Amphibole Asbestos in Support of Summary Information on the Integrated Risk Information System (IRIS)*. Retrieved from:  
<http://yosemite.epa.gov/sab/sabproduct.nsf/0/7639C111CC33A48A8525762E007A431A?OpenDocument>
- . 2012a. *National Ambient Air Quality Standards NAAQS*. Updated October 2012. Retrieved from:  
<http://www.epa.gov/air/criteria.html>
- . 2012b. “Appendix C, Parts 1 and 2: Tolerance and Trophic Guilds of Selected Fish Species.” In *Rapid Bioassessment Protocols for Use in Streams and Wadeable Rivers: Periphyton, Benthic Macroinvertebrates, and Fish – Second Edition*. Michael T. Barbour, Jeroen Gerritsen, Blaine D. Snyder, and James B. Stribling (contributors). Accessed July 18, 2013. Retrieved from:  
[http://water.epa.gov/scitech/monitoring/rsl/bioassessment/app\\_c-1.cfm](http://water.epa.gov/scitech/monitoring/rsl/bioassessment/app_c-1.cfm) AND  
[http://water.epa.gov/scitech/monitoring/rsl/bioassessment/app\\_c-2.cfm](http://water.epa.gov/scitech/monitoring/rsl/bioassessment/app_c-2.cfm)
- . 2013. *Draft Guidance for PM<sub>2.5</sub> Permit Modeling*. Webinar Presented by George Bridgers and Roger Brode, OAQPS-AQAD-Air Quality Modeling Group. March 13, 2013. Retrieved from:  
[http://www.epa.gov/scram001/webinar/Draft\\_PM25\\_Guidance/20130313\\_Draft\\_PM25\\_Guidance\\_Webinar.pdf](http://www.epa.gov/scram001/webinar/Draft_PM25_Guidance/20130313_Draft_PM25_Guidance_Webinar.pdf)
- . 2015. *Basic Information about Asbestos in Drinking Water*. Accessed: April 13, 2015. Retrieved from: <http://water.epa.gov/drink/contaminants/basicinformation/asbestos.cfm>
- US FHWA (U.S. Federal Highway Administration). 2011. *Highway Traffic Noise – Noise Effect on Wildlife*. Accessed: March 19, 2012. Retrieved from:  
[http://www.fhwa.dot.gov/environment/noise/noise\\_effect\\_on\\_wildlife/effects/wild04.cfm](http://www.fhwa.dot.gov/environment/noise/noise_effect_on_wildlife/effects/wild04.cfm)
- USFS (U.S.D.A. Forest Service). 1982. *ROS Users Guide*.
- . 1990. *R-9 Cultural Resource Reconnaissance Report 9001013: Stubble Creek Timber Sale*.

- . 1995. *Landscape Aesthetics. A Handbook for Scenery Management*. Agriculture Handbook Number 701. December 1995. Retrieved from:  
[http://www.fs.fed.us/cdt/carrying\\_capacity/landscape\\_aesthetics\\_handbook\\_701\\_no\\_append.pdf](http://www.fs.fed.us/cdt/carrying_capacity/landscape_aesthetics_handbook_701_no_append.pdf)
- . 1997. *R-9 Cultural Resource Reconnaissance Report 9701004: 1997 Laurentian Projects*.
- . 2004a. *Final Environmental Impact Statement for Forest Plan Revision, Chippewa National Forest, Superior National Forest*. Milwaukee, WI. July 2004. Accessed: October 21, 2011 and January 9, 2012. Retrieved from: <http://www.fs.fed.us/r9/chippewa/plan/final/feis/index.shtml>
- . 2004b. *Land and Resource Management Plan*. Superior National Forest. July 2004. Retrieved from:  
<http://www.fs.fed.us/r9/chippewa/plan/final/snf/>
- . 2004c. *Superior National Forest Record of Decision. Final Environmental Impact Statement. To Accompany the Land and Resource Management Plan. R9-SU-FEIS-ROD*. July 2004. Retrieved from: [http://www.fs.usda.gov/Internet/FSE\\_DOCUMENTS/fsm91\\_048973.pdf](http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/fsm91_048973.pdf)
- . 2004d. *Executive Order 11988. Forest Service Handbook: FSH 54.09 – Land Acquisition Handbook*. E.O. Issued May 24, 1977. February 27, 2004.
- . 2007a. *Kawishiwi Ranger District, Superior National Forest. Appendix F: Glacier Project – Biological Evaluation of the Draft EIS. Region 9 Regional Forester Sensitive Species*. Retrieved from: [http://www.fs.usda.gov/Internet/FSE\\_DOCUMENTS/fsm91\\_047981.pdf](http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/fsm91_047981.pdf)
- . 2007b. *National Visitor Use Monitoring Program Report*. Superior National Forest. January 2007. Retrieved from: [http://www.fs.usda.gov/Internet/FSE\\_DOCUMENTS/stelprdb5247896.pdf](http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5247896.pdf)
- . 2007c. *USDA Forest Service Strategic Plan FY 2007-2012*.
- . 2008a. *Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the Contiguous United States Distinct Population Segment of the Canada Lynx Proposed Rule*. Federal Register, 73: 40. February 28, 2008.
- . 2008b. *Technical Comments on Minnesota Regional Haze State Implementation Plan—Letter to Mr. David Thornton, Assistant Commissioner, MPCA, from Mr. James W. Sanders, Forest Supervisor*. Duluth, MN: United States Department of Agriculture, Forest Service, Superior National Forest.
- . 2009a. *Superior National Forest Monitoring and Evaluation Report. Appendix B: LAU Habitat Summary – Existing Condition and Decisions Only*.
- . 2009b. *Idaho Cobalt Project*. Salmon-Challis National Forest-Projects. Retrieved from:  
<http://www.fs.usda.gov/detail/scnf/landmanagement/projects/?cid=stelprdb5309211>
- . 2009c. *Mineral Character Determination Related to Exchange of Lands Between PolyMet Mining and United States Forest Service*. July 17, 2009. Retrieved from: <http://www.fs.fed.us/nepa/fs-usda-pop.php?project=33908>
- . 2010a. *USFS Invasive Plant Geodatabase*. Accessed: July 27, 2011. Retrieved from:  
<http://data.fs.usda.gov/geodata/edw/datasets.php?dsetCategory=biota>
- . 2010b. *USFS Management Indicator Habitat (MIH) Data*. Accessed: October 21, 2011.

- . 2010c. *R-9 Cultural Resource Reconnaissance Report 1101001: PolyMet Land Exchange/ACOE and SNF Survey*.
- . 2010d. *Toohey Project Biological Evaluation. Tofte Ranger District, Superior National Forest: Region 9 Forester Sensitive Plants*. Botanical Evaluation and Assessment. Prepared by Jack Greenlee. December 17, 2010.
- . 2011a. *Mineral Resource Exploration and Development. June 2011*. Retrieved from: [http://www.fs.usda.gov/Internet/FSE\\_DOCUMENTS/stelprdb5308167.pdf](http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5308167.pdf)
- . 2011b. *PolyMet Land Exchange – Management Area Allocation of Proposed Nonfederal Lands*. Memo developed by James Sanders, Forest Supervisor on August 31, 2011.
- . 2011c. *PolyMet Land Exchange Indicator Analysis for Minerals/Title*. December 21, 2011.
- . 2011e. *Roads and Trails Data: Lynx Travel Corridors*.
- . 2011f. *Superior National Forest – Landscape Ecosystem Data*. Accessed: December 7, 2011.
- . 2011g. *Superior National Forest – Landscape Ecosystem Data*. Accessed: January 10, 2012.
- . 2011h. *Superior National Forest Candidate Research Natural Areas*. Accessed: January 12, 2012. Retrieved from: <http://nrs.fs.fed.us/rna/candidate/#MN>
- . 2011i. *USFS Forest Stand Data*. Accessed: October 21, 2011.
- . 2011j. *USFS Management Area Data*. Accessed: February 2012.
- . 2011k. *USFS Noxious Weed Layer Data*. Accessed: September 15, 2011.
- . 2011n. *Detailed Scoping Report for the PolyMet Land Exchange*. Prepared by ERM for USFS. May 2011.
- . Personal Communication. Email from Jack Greenlee (USFS) to Ryan Lisson (ERM) RE: Codes. October 26, 2011.
- . Personal Communication. Email exchange between Susan Duffy (USFS), Judy Ness (USFS), and Heather Heater (ERM) RE: NorthMet Land Exchange - ROS & SIO Designations. November 29, 2011.
- . 2012a. *Visitor Use Report, Superior National Forest, National Visitor Use Monitoring Data Collected FY 2011*. Last Updated June 20, 2012. Retrieved from: <http://www.fs.fed.us/recreation/programs/nvum/>
- . 2012b. *Federal Hardrock Mineral Prospecting Permits Record of Decision*.
- . 2012c. *MIH Patches 2012 Data. NorthMet Project*. Accessed: July 11, 2013.
- . 2012d. *MIH Patches 2020 Data. NorthMet Project*. Accessed: July 11, 2013.
- . 2012e. “Appendix B: NPS Natural Sounds and Night Skies Division Comments on the Noise Analysis in the USFS South Fowl Lake Snowmobile Access EIS.” In *South Fowl Lake Snowmobile Access Project, Final Environmental Impact Assessment Project, Forest Service Eastern Region, Superior National Forest, August 2011*. August 21, 2012. Retrieved from:



- [http://a123.g.akamai.net/7/123/11558/abc123/forestservic.download.akamai.com/11558/www/nea/61161\\_FSPLT2\\_384377.pdf](http://a123.g.akamai.net/7/123/11558/abc123/forestservic.download.akamai.com/11558/www/nea/61161_FSPLT2_384377.pdf)
- . 2012f. *Regional Forester Sensitive Plant Species for the Eastern Region*. Updated February 20, 2012.
- . 2013. *Canada Lynx, Northern Goshawk, and Great Grey Owl Shapefile Data*. Accessed: July 1 and July 10, 2013.
- . Personal Communication. Email from Henry Eichman (USFS) to Benjamin Sussman (ERM) RE: NorthMet: Value Added. July 26, 2013.
- . 2014. *Superior National Forest Invertebrate and Fish Data 2011-2014*. Raw data provided to ERM by USFS.
- . 2014b. *Summary of Acoustic Bat Surveys on the NorthMet Project Area*. Prepared by Bradley D. Smith, Molly K. Foley, and Timothy J. Catton for the USFS. October 3, 2014.
- . 2014c. *Summary of the 2014 Minnesota Northern Long-eared Bat Summer Habitat Use in Minnesota Project (Preliminary Report)*. Prepared by Timothy J. Catton for the USFS, Superior National Forest, Kawishiwi Ranger District. September 20, 2014.
- . Personal Communication. Email from Jordan Ketola (USFS) to Lee Johnson (USFS) RE: Finding a spot on a exterior township line. January 26, 2015.
- . Personal Communication. Phone call between Dan Ryan (USFS) and Ryan Lisson (ERM) Re: Northern Goshawk Nesting Attempt on Tract 1 Lands. August 21, 2015.
- USFS and USACE (U.S.D.A. Forest Service and U.S. Army Corps of Engineers). 2014a. *Memorandum: Joint Review of the NorthMet Project Proposed by PolyMet Mining, Inc. Re: Section 106 Review*. To Sarah Beimers, Minnesota SHPO, from Richard Periman, USFS, and Tamara Cameron, USACE. June 10, 2014.
- . 2014b. *Memorandum: NorthMet Project: Response to Request for Information 7/21/14. SHPO#: 2008-0674*. To Sarah Beimers, Minnesota SHPO, from Richard Periman, USFS, and Tamara Cameron, USACE. September 8, 2014.
- . 2015. *Memorandum: Finalization of Identification, Evaluation, and Assessment of Adverse Effects Pursuant to Section 106 of the National Historic Preservation Act, As They Apply to the Agencies Review of the NorthMet Undertaking*. To Sarah Beimers, Minnesota SHPO, from Richard Periman, USFS, and Tamara Cameron, USACE. February 26, 2015.
- USFWS (U.S. Fish and Wildlife Service). 2007. *National Bald Eagle Management Guidelines*.
- . 2009. *Questions and Answers Regarding the Revised Critical Habitat Designation for the Canada Lynx*.
- . 2011. *Ecological Services – Species of Concern*. Retrieved from: <http://www.fws.gov/midwest/es/soc/>
- . 2012. *Endangered Species in Minnesota*. Accessed: February 24, 2012. Retrieved from: <http://www.fws.gov/midwest/endangered/lists/minnesot-cty.html>
- . 2013. *Canada Lynx Incidental Take Data*. Provided by Tamara Smith, U.S. Fish and Wildlife Service, Twin Cities Field Office. Bloomington, Minnesota. July 2013.

- . 2013b. *Northern Long-Eared Bat: Myotis septentrionalis*. September 2013. Retrieved from: <http://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?sPCODE=A0JE>
- USGCRP (United States Global Change Research Program). 2009. *Global Climate Change Impacts in the United States*. Thomas R. Karl, Jerry M. Melillo, and Tomas C. Peterson (eds.). United States Global Change Research Program. Cambridge University Press, New York, NY, USA.
- USGS (U.S. Geological Survey). 2001. *Some Facts about Asbestos*. March 2001. Retrieved from: <http://www.capcoa.org/Docs/noa/%5B12%5D%20USGS%20Facts%20on%20Asbestos.pdf>
- . 2008. *National Water Information System*. Accessed: April 24, 2012. Retrieved from: <http://nwis.waterdata.usgs.gov/nwis>
- . 2010. *Some Ecosystems Will Respond to Reductions in Mercury Emissions*. July 29, 2010. Last Modified December 4, 2014. Retrieved from: [http://toxics.usgs.gov/highlights/mercury\\_response.html](http://toxics.usgs.gov/highlights/mercury_response.html)
- . 2015. *National Water Information System*. Accessed: March 2015. Retrieved from: <http://nwis.waterdata.usgs.gov/nwis>
- USHR (United States House of Representatives, 95<sup>th</sup> Congress). 1978. *Public Law 95-495. Boundary Waters Canoe Area Wilderness, Designation; Boundary Waters Canoe Area Mining Protection Area, Establishment*. Washington: GPO. October 21, 1978.
- U.S. Weather Bureau (U.S. Department of Commerce Weather Bureau). 1964. *Technical Paper No. 49: Two- to Ten-Day Precipitation for Return Periods of 2 to 100 Years in the Contiguous United States*. Prepared by John F. Miller. Washington, D.C.
- UVGSDC (University of Virginia Geospatial and Statistical Data Center). 2008. *County Business Patterns*. Accessed: May 9, 2012. Retrieved from: <http://www.worldcat.org/identities/lccn-no99040549/>
- Valppu, S.H. and G.R. Rapp. 2000. *Paleoethnobotanical Context and Dating of the Laurel Use of Wild Rice: The Big Rice Site*. The Minnesota Archaeologist, 59.
- VIEWS (Visibility Information Exchange Web System). *Version 2.0*. Colorado State University. Retrieved from: <http://views.cira.colostate.edu/web/>
- Vogt, D. 2004. *Fish, Wild Game, and Plant Consumption Survey Results*. 1854 Treaty Authority. January 2004.
- Walker, D.A. 1979. *Iron Frontier: The Discovery and Early Development of Minnesota's Three Ranges*. Minnesota Historical Society Press. St. Paul, Minnesota.
- Walton, G. 2004. *Rare Plant Species Survey: NorthMet Project*. Prepared for Barr Engineering Company and PolyMet Mining Corporation. August 2004.
- Ward, R.M.P. and C.J. Krebs. 1985. *Behavioral Responses of Lynx to Declining Snowshoe Hare Abundance*. Thesis, University of British Columbia. January 21, 1985.
- Warren, William W. 1984. *History of the Ojibway People*. Minnesota Historical Society Press.
- Watermark (Watermark Numerical Computing). 2005. *PEST: Model-Independent Parameter Estimation*. User Manual, 5th Edition.

- Watras, C.J., K.A. Morrison, O. Regnell, and T.K. Kratz. 2006. *The Methylmercury Cycle in Little Rock Lake During Experimental Acidification and Recovery*. *Limnology and Oceanography*, 51(1): 257-270.
- Watts, W.A. and T.C. Winter. 1966. *Plant Macrofossils from Kirchner Marsh, Minnesota – A Paleocological Study*. *Geological Society of America Bulletin*, 77(12): 1339-1359.
- Webb, T., E.J. Cushing, and H.E. Wright, Jr. 1983. *Holocene changes in the vegetation of the Midwest*. In Wright, H.E. Jr., ed., *Late Quaternary Environments of the United States, Volume 2: The Holocene*, 142-145.
- Western Lime Corporation. 2009. *Lime MSDS*. June 2009.
- Williams, J.E., E.J. Johnson, D.A. Hendrickson, S. Contreras-Balderas, J.D. Williams, M. Navarro-Mendoza, D.E. McAllister, and J.E. Deacon. 1989. *Fishes of North America Endangered, Threatened, or Of Special Concern: 1989*. *Fisheries*, 14(6): 2-20.
- Wilson, J.A., & R.S. McKinley. 2005. *Distribution, Habitat, and Movements*. In G.T.O. LeBreton, F.W.H. Beamish and R.S. McKinley (eds.). *Sturgeons and Paddlefish of North America*, 40-72. Dordrecht, The Netherlands: Kluwer Academic Publishers.
- Winter, Thomas C. 1973. *Hydrogeology of Glacial Drift, Mesabi Iron Range, Northeastern Minnesota. Contributions to the Hydrogeology of the United States*. Geological Survey Water-Supply Paper 2029-A. Prepared in cooperation with the Minnesota Department of Iron Range Resources and Rehabilitation. Washington, DC: U.S. Government Printing Office.
- WRCC (Western Region Climate Center). 2012. *Minnesota – Monthly Average Number of Days Precipitation Greater Than or Equal to 0.01 inches*. Accessed: April 24, 2012. Retrieved from: [http://www.wrcc.dri.edu/htmlfiles/M-N\\_compare.html](http://www.wrcc.dri.edu/htmlfiles/M-N_compare.html)
- Wright, H.E., Jr. 1974. *The Environment of Early Man in the Great Lakes Region*. In: *Aspects of Upper Great Lakes Anthropology: Papers in Honor of Lloyd A. Wilford*. Edited by Lloyd A. Wilford and Elden Johnson.
- Zedeño, M. N., R.W. Stoffle, F. Pittaluga, G. Dewy-Hefley, R. Basaldú, and M. Porter. 2001. *Traditional Ojibway Resources in the Western Great Lakes: An Ethnographic Inventory in the States of Michigan, Minnesota, and Wisconsin*. Report prepared by Bureau of Applied Research in Anthropology, University of Arizona in Tucson for the National Park Service, Midwest Region.
- Zellie, Carole S. 2007. *Phase I Evaluation and Historic Context Study*. PolyMet Mining Corporation NorthMet Project Hoyt Lakes, St. Louis County Minnesota. Landscape Research Project No. 9-4.
- . 2012. *NorthMet Project Cultural Landscape Study*. Prepared for PolyMet Mining Inc. Hoyt Lakes, Minnesota. September 15, 2012.

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