Data sources for content within this zip file  
DNR Corescan Project  
Drill Core: MGS-5 (also referred to as MDDP-5)  
Focus Area: Biwabik Iron Formation/Mesabi Iron Range

| Document | Document Type | Source | Comment |
| --- | --- | --- | --- |
| MGS-5 Hibbing Hole.pdf | Drill log | [https://www.nrri.umn.edu/research-groups/minerals-and-metallurgy/economic-geology/drill-logs](https://gcc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.nrri.umn.edu%2Fresearch-groups%2Fminerals-and-metallurgy%2Feconomic-geology%2Fdrill-logs&data=02%7C01%7Cdonald.elsenheimer%40state.mn.us%7C7fc3bef07f6a461695ba08d7582b39be%7Ceb14b04624c445198f26b89c2159828c%7C0%7C0%7C637074814984650757&sdata=bVwQfHrPb32mwKFIUltjhpt0x40yJ29F8Z14N574Otc%3D&reserved=0)  This external document does not meet accessibility requirements. Contact [corelibrary.dnr@state.mn.us](mailto:corelibrary.dnr@state.mn.us) if you need more help accessing this document. | 2004 re-log of DCL archived core by Mark Severson for NRRI project TR2009/09. |
| MGS\_5\_VF\_RI\_28\_LOG.pdf | Drill log summary | Lucente, M.E.; Morey, G.B.. (1983). RI-28 Stratigraphy and Sedimentology of the Lower Proterozoic Virginia Formation, Northern Minnesota. Minnesota Geological Survey. Retrieved from the University of Minnesota Digital Conservancy, <http://hdl.handle.net/11299/60721>  This external document does not meet accessibility requirements. Contact [corelibrary.dnr@state.mn.us](mailto:corelibrary.dnr@state.mn.us) if you need more help accessing this document. | Lithic log of the interval of Virginia Formation in this drill core (referred to in this report as the “Buhl” hole). Page 24 (Appendix) of the RI-28 report. |
| mesabi\_deepdrilling\_5\_log.pdf | Drill log summary | Pleider, E.P.; Morey, G.B.; Bleifuss, R.L.. (1968). Mesabi deep drilling project, Progress Report No. 1. Minnesota Geological Survey. Retrieved from the University of Minnesota Digital Conservancy, <http://hdl.handle.net/11299/122789>  This external document does not meet accessibility requirements. Contact [corelibrary.dnr@state.mn.us](mailto:corelibrary.dnr@state.mn.us) if you need more help accessing this document. | “Detailed Log of Drill Hole at Location 5 – Mesabi Deep Drilling Project.” Figure 7 of the report (p. 8). Includes information on lithology, structures, physical properties and metallurgy.  Extracted page from low-resolution scan of hard copy document. |
| mesabi\_deepdrilling\_5\_ore\_analyses.pdf | Analytical data | Pleider et al. (1968) see above | Crude ore analyses and standard Davis Tube Tests at minus 150 mesh.  Table A-7, Appendix 4 (pp. 28-29) |
| mesabi\_deepdrilling\_5\_physical\_properties.pdf | Analytical data | Pleider et al. (1968) see above | Physical property tests of samples at selected depths. Table A-3, Appendix 3 (p. 25) |