



**U.S. GEOLOGICAL SURVEY LIBRARY
FIELD RECORDS COLLECTION
DENVER, COLORADO**

ROBERT GORDON SCHMIDT
(1924 -)

NOTES, CORRESPONDENCE, PAPERS

1949 - 1970

(3.6 linear ft. and 24 map folders)

Robert Gordon Schmidt was born in Minneapolis, Minnesota, in 1924. He earned an MS degree from the University of Wisconsin in 1951 and joined the staff of the USGS the same year, remaining with the agency until his retirement in 1990, when he assumed emeritus scientist status. Schmidt's primary areas of research were investigations of economic deposits of iron, copper, and precious metals. He has served as a Research Associate with the Smithsonian Institution and is a member of the Geological Society of America. Schmidt's honors include the U.S. Department of the Interior's Meritorious Service Award.

INVENTORY

By

Carol A. Edwards and Clay M. Martin
U.S. Geological Survey Field Records Collection
MS 914, Box 25046, Federal Center
Denver, CO 80225-0046
April 2004/September 2010

Location of Field Notebooks: CS-7: 1-2

GEOLOGY OF THE NORTHERN MARIANAS ISLANDS. 1949-1951.

Item

Number

Description

NO-11819 R.G. Schmidt. Field notebook with geologic notes and sketches and specimen data related to field investigations in the northern Marianas Islands, northwestern Pacific Ocean. 1949-1951.

Published as: Geological Society of America Bulletin. Vol. 62, No. 12. 1951.

Published as: U.S. Geological Survey. Professional paper 280-A. 1956.

GEOLOGY AND ORE DEPOSITS OF THE CUYUNA NORTH RANGE, MINNESOTA. 1951-1956.

- NO-05498 Document box with five folders:
- Folder 1. Miscellaneous correspondence collected by Dr. C.K. Leith, University of Wisconsin, regarding geology and iron ore deposits in central Minnesota. 1916-1926.
 - Folder 2. Miscellaneous notes, correspondence, reports, and other research materials related to iron ore deposits in the Cuyuna Range of Minnesota. Reports include "The Cuyuna Iron Ore Deposits of Minnesota", by Carl Zapffe, an untitled report from the American Manganese Manufacturing Company on the geology of the Cuyuna Range, "Economic Status of Cuyuna range Manganiferous Iron Ores" (no author), and "Report on Properties of the Clement K. Quinn Ore Company", by C.K. Keith. Also included are several photographs of Minnesota iron mines. 1917-1955.
 - Folder 3. Miscellaneous notes, maps, diagrams, drill hole data, and other research materials related to iron ore deposits in the Cuyuna Range of Minnesota. Most of the material appears to date from around 1950.
 - Folder 4. Five groups of field notebook pages with notes related to investigation of Cuyuna Range iron ore deposits. The notes are organized by geologic occurrence: footwall, hanging-wall sediments including chlorite schists, thick-bedded iron formation, flows/intrusives/veins, and thin-bedded iron-formation/upper iron-formation.
 - Folder 5. One map, each, of Aitkin, Carlton, Clover, Crow Wing, and Morrison Counties, Minnesota; one map of the state of Minnesota; and one group of 3 x 5-inch note cards with sample data.
- NO-05499 Two expandable envelopes with four folders:
- Folder 1. Data related to exploration in T. 46 N., R. 28 W., including drill hole data sheets, assay data sheets, sketches and notes on drill holes, data sheets and maps for mines, cross-section diagrams showing exploration drilling,

miscellaneous notes, ore body diagrams, and miscellaneous unpublished geologic reports. Most of the material dates from approximately 1920 to 1955.

- Folders 2-4. Data related to exploration in T. 46 N., R. 29 W., including drill hole data sheets, assay data sheets, sketches and notes on drill holes, data sheets and maps for mines, cross-section diagrams showing exploration drilling, miscellaneous notes, ore body diagrams, and miscellaneous unpublished geologic reports. Most of the material dates from approximately 1920 to 1955.

NO-05500 Two expandable envelopes with four folders:

- Folder 1. Data on mines, drill holes, and assays from sections 6, 7, and 8, T. 46 N., R. 29 W.
- Folder 2. Maps, correspondence, and data on mines, drill holes, assays, and exploration in section 9, T. 46 N., R. 29 W.
- Folder 3. Unpublished report on S1/2 NW1/4 and N1/2 SW1/4 section 10, T. 46 N., R. 29 W., Cuyuna Range, by William A. Rose (1914); supplementary report on Feigh property, S1/2 NW1/4 and N1/2 SW1/4 section 10, T. 46 N., R. 29 W., Cuyuna Range, by William A. Rose; report on Feigh property, S1/2 NW1/4 and N1/2 SW1/4, section 10, T. 46 N., R. 29 W., by C.K. Leith (1916); supplementary report on Feigh property, S1/2 NW1/4 and N1/2 SW1/4 section 10, T. 46 N., R. 29 W., by C.K. Leith, 1916; correspondence, group of iron ore analysis cards, weekly drill reports, notes, and data sheets for section 10; five groups of data sheets and blueprints of mines in section 10, T. 46 N., R. 29 W.; data sheets on mines in section 10; and cross-section diagram of exploration in section 10.
- Folder 4. Ten groups of drill hole and assay data sheets.

NO-05501 Two expandable envelopes with three folders:

- Folder 1. Miscellaneous correspondence; data sheets and blueprints of mines in section 11, T. 46 N., R. 29 W.; report by Keating Inland Steel Co. on Thompson Mine drill hole exploration; cross-section diagram showing exploration in section 11, T. 46 N., R. 29 W.; data sheets for section 11, T. 46 N., R. 29 W.; sheet with Ironton tonnage estimate; drill hole and assay data sheets for section 11.
- Folder 2. Miscellaneous correspondence; data sheets and blueprints of mines in section 12, T. 46 N., R. 29 W.; data sheets on mines in section 15, T. 46 N., R. 29 W.; drill hole and assay data sheets for section 15, T. 46 N., R. 29 W.; notes and cross-section diagrams of mines in section 16, T. 46 N., R. 29 W.; data sheets for mines in section 16, T. 46 N., R. 29 W.; drill hole and assay data sheets for section 16, T. 46 N., R. 29 W.; mine sketches for section 17, T. 46 N., R. 29 W.; map of section 17.; drill hole and assay data sheets for section 17; data sheets for mines in section 17; correspondence, data sheets and blueprints for mines in section 17; blueprint showing drilling in section 17, T. 46 N., R. 29 W.
- Folder 3. Notes on strike and dip in section 18, T. 46 N., R. 29 W.; drill hole

and assay data sheets; data sheets and blueprints of mines in section 18, T. 46 N., R. 29 W., miscellaneous mine data sheets.

- NO-05502 Two expandable envelopes with two folders:
- Folder 1. Copy of a 1922 report on valuation of the Sagamore Mine, section 19, T. 46 N., R. 29 W.; mine sketches, notes and blueprints for section 19; four Sagamore Mine sketches, section 19; table of Sagamore-Pickands Mather contract showing 1928 estimated earnings; two groups of correspondence; miscellaneous notes; mine blueprints and figures related to mine profits and tonnages; data sheets and blueprints for mines in section 19.
 - Folder 2. Drill hole and assay data sheets for section 19 and mine data for section 20, T. 46 N., R. 29 W.; data sheets and blueprints for section 20, T. 46 N., R. 29 W.; drill hole and assay data sheets for section 20; two cross-section diagrams of exploration in section 20, T. 46 N., R. 29 W.
- NO-05503 Two expandable envelopes with four folders:
- Folder 1. Mine data sheets for section 22, T. 46 N., R. 29 W.; cross-section diagrams of exploration in section 22, 23, and 24; data sheets for mines in section 24, T. 46 N., R. 29 W.; data sheets and blueprints for mines in section 30; data sheets and blueprints for mines in section 36, T. 46 N., R. 29 W.; data sheets, blueprints, and maps of mines in section 36.
 - Folder 2. Drill hole and assay data for sections 12 and 13, T. 46 N., R. 30 W.
 - Folder 3. Data sheets for mines in section 19, T. 47 N., R. 28 W.; data sheets for mines in section 20, T. 47 N., R. 28 W.; drill hole and assay data sheets and sketches of mines in section 20; blueprints and data and drill hole sheets for section 21, T. 47 N., R. 28 W.; drill hole and assay data sheets for section 22, T. 47 N., R. 28 W.; data sheets for mines in section 27; data and drill hole sheets for section 28, T. 47 N., R. 28 W.; cross-section diagram of section 28; data sheets and blueprints for mines in section 29, T. 47 N., R. 28 W.; drill hole and data sheets for section 29.
 - Folder 4. Drill hole and assay data and sketches for section 30, T. 47 N., R. 28 W.; cross-section diagram of exploration for section 30; data sheets and blueprints of mines in section 30; notes on section 31, T. 47 N., R. 28 W.; mine data sheets and notes for section 31; correspondence related to section 31; data sheets and blueprints for mines in section 31; blueprints of cross-section diagrams of exploration in section 31; drill hole and assay sheets for section 31; assay data and blueprints for mines in section 31; mine data sheets for section 32; drill hole and assay data sheets for section 32; mine data sheets for section 33; blueprint of cross-section diagrams in section 33; one mine data sheet for section 35, T. 47 N., R. 28 W.
- NO-05504 Two expandable envelopes with three folders:
- Folder 1. Sketches of mines in T. 47 N., R. 29 W.; mine data sheets for section 15, T. 47 N., R. 29 W.; data sheets and blueprints of mines for section 15, T. 47 N., T. 29 W.; drill hole and assay data sheets for section 15; two letters related to work in section 16.; mine data sheets, drill hole and assay

data sheets and cross-section diagrams showing exploration in section 19; mine data sheets for section 20, T. 47 N., R. 29 W.; mine data sheets and blueprints for section 20; drill hole and assay data sheets for section 20; cross-section diagrams showing exploration in section 20; mine data sheets and drill hole and assay data sheets for section 21; mine data sheets for section 22, T. 47 N., T. 29 W.; mine data sheets and blueprints for section 22; drill hole and assay data sheets for section 22.

- Folder 2. Mine data sheets, cross-section diagrams and drill hole and assay data sheets for section 23, T. 47 N., R. 29 W.; mine data sheets and blueprint cross-section diagram showing exploration in section 24, T. 47 N., R. 29 W.; mine data sheets for section 25; mine data sheets and blueprints for section 25; drill hole and assay data sheets for section 25; mine data sheets and drill hole and assay data sheets for section 26; mine data sheets for section 27; copies of blueprints of exploration in section 27; correspondence related to section 27; drill hole and assay data sheets for section 27; mine data sheets for section 28, T. 47 N., R. 29 W.; drill hole and assay data sheets for section 28; mine data sheets and notes for section 29, T. 47 N., R. 29 W.; drill hole and assay data sheets and mine data sheets and blueprints for section 29.
- Folder 3. Mine data sheets for section 30, T. 47 N., R. 29 W.; mine data sheets and blueprints for section 30; drill hole and assay and data sheets for section 30; drill hole and assay data sheets for section 30; sketch of iron content for Miller Lake (section 30?); cross-section diagram showing exploration in section 30; mine data sheets for section 31; mine data sheets for section 32, T. 47 N., R. 29 W.; drill hole and assay data sheets for section 32; blueprint of exploration for section 32; two sketches of drill holes and exploration in section 32.

NO-05505 Document box with four folders:

- Folder 1. Mine data for section 33, T. 47 N., R. 29 W.; drill hole and assay data sheets for section 33; map showing cross sections of exploration in section 33; map showing plan of an ore body in section 33; tables of log of drill holes for the Merritt No. 2 Mine on section 33; drill hole and assay data; sketches for the Merritt Hole, section 33; report on the Hoch Mine, section 33; analysis data cards for the Hoch Mine; analysis and tonnage data for the Ferro Mine, section 32; report on the Ferro Mine by Edward McCarty (1916); report on concentration tests at the Ferro Mine by the University of Minnesota (1916); drill hole and analysis data cards for the Ferro Mine.
- Folder 2. Mine data sheets for section 34, T. 47 N., R. 29 W.; mine data sheets and blueprints for section 34; drill hole and assay data sheets for section 34; mine data sheets and drill hole and assay data sheets for section 35; drill hole and assay data sheets for section 36.
- Folder 3. Mine data sheets for section 25, T. 47 N., R. 30 W.; mine data sheets and blueprints for section 25; blueprint of cross sections showing exploration in section 25; drill hole and assay data for section 25.
- Folder 4. Mine data sheet for section 6, T. 130 N., R. 29 W.; mine data sheets

for T. 131 N., R. 29-30 W.; small map of T. 132 N., R. 29 W.; sketch of T. 133 N., R. 26 W.; two mine data sheets for T. 133 N., R. 28 W.; mine data sheets and drill hole and assay data sheets for T. 133 N., R. 29 W.; two blueprints of cross sections showing exploration in T. 133 N., R. 29 W.; drill hole and assay data sheet for sections 13 and 18, T. 133 N., R. 30 W.; mine data sheets for section 13, T. 133 N., R. 30 W.; drill hole and assay data sheets and correspondence for T. 134 N., R. 27 W.; mine data sheets, maps, drill hole and assay data sheets for T. 134 N., R. 28 W.; copy of blueprint showing exploration in section 14, T. 134 N., R. 28 W.; cross-section diagram showing exploration in section 23, T. 134 N., R. 28 W.; mine data sheet for section 36, T. 134 N., R. 29 W.; drill hole and assay data sheets for section 33, T. 136 N., R. 26 W.; mine data sheet and drill hole data sheet for section 5, T. 136 N., R. 29 W.; data sheet for T. 137 N., R. 29 W.; two maps of T. 138 N., R. 28 W.; data sheet for T. 140 N., R. 29 W.; data sheet for T. 141 N., R. 29 W.;

- NO-11820 R.G. Schmidt. Field notebook with geologic notes and sketches related to field investigations of the Louise Mine Crosscut and other locations in the Cuyuna North Range, Minnesota. 1951.
- MA-00777 Map folder with 16 items:
- Two blueprint maps of the Algoma Mine, section 33, T. 47 N., R. 29 W.
 - Two blueprint cross sections of exploration in section 33, Algoma Mine.
 - Two blueprints of section A-A, B-B, C-C, D-D, and E-E and four blueprints of section F-F, all of the Algoma Mine.
 - Four maps of the Alstead Mine, section 9, T. 46 N., R. 29 W.
 - Two maps of the Arko Mine.
- MA-00778 Map folder with 33 items:
- Two maps of the west end of the Armour No. 1 Mine, section 11, T. 46 N., R. 29 W.
 - Map of the 140' level, east end, Armour No. 1 Mine.
 - One map, each, of the 200', 310', and 450' levels of the Armour No. 1 Mine.
 - Map of the 525' level of the Armour No. 1 Mine.
 - Two maps of the 600' level of the Armour No. 1 Mine.
 - Map of the 800' level of the Armour No. 1 Mine.
 - Three maps of the Armour No. 2 Mine, section 11, T. 46 N., R. 29 W.
 - One map, each, of levels 475', 525', 600', Armour No. 2 Mine.
 - Seventeen miscellaneous sketches of mine levels.
- MA-00779 Map folder with 32 items:
- Plan map of the Bessemer Mine, section 1, T. 46 N., R. 29 W.
 - Ten sheets with cross-section diagrams A through T for the Bessemer Mine, section 1, T. 46 N., R. 29 W.
 - Cross-section diagram of exploration at the Bessemer Mine, section 1, T. 46 N., R. 29 W.
 - Four maps of the Cuyuna Mille Lacs Mine, section 3, T. 46 N., R. 29 W.

- Chart showing variations in grades in manganese ores.
- Cross-section diagram of exploration in section 3, Cuyuna-Mille Lacs Mine.
- One map, each, of the 55', 65', 75', 115', 135', 145', 165', and 205' levels of the Cuyuna-Mille Lacs Mine.
- Two maps, each, of the 85', 105', and 125' levels of the Cuyuna-Mille Lacs Mine.

MA-00780 Map folder with 57 items:

- Six maps of the Feigh Mine, section 10, T. 46 N., R. 29 W.
- Fourteen maps of the Ferro Mine, section 32, T. 47 N., R. 29 W.
- Cross-section diagram labeled "A through B".
- Cross-section diagram labeled "C".
- Two cross-section diagrams labeled "No. 1" and "No. 3".
- Cross-section diagram labeled "No. 2".
- Cross-section diagram labeled "No. 4".
- Five miscellaneous cross-section diagrams.
- Six maps of the 67' level of the Ferro Mine.
- Five maps of the 77' level of the Ferro Mine.
- Three maps of the 87' level of the Ferro Mine.
- Map of the 97' level of the Ferro Mine.
- Four maps of the 103' level of the Ferro Mine.
- Seven maps of the 149' level of the Ferro Mine.

MA-00781 Map folder with 17 items:

- Eight maps of Hanna Iron Ore company mines and properties.
- Five maps showing the Evergreen, Portsmouth, Wearne, and Healy Mines, and the Portsmouth Mine, sections 2 and 11, T. 46 N., R. 29 W.
- Two maps of the South Hillcrest Mine, section 9, T. 46 N., R. 29 W.
- One map, each, of the North Hillcrest Extension and Hillcrest Extension.

MA-00782 Map folder with 18 items:

- Two maps of the Hoch Mine, section 33, T. 47 N., R. 29 W.
- Ore analysis map of the Hoch Mine, 104' level.
- Four cross-section diagrams of the Hoch Mine.
- Six cross-section diagrams of exploration in section 33, T. 47 N., R. 29 W.
- Progress map of Hopkins stripping, section 3, T. 46 N., R. 29 W.
- Map of the Sultana Hopkins Mine, section 3, T. 46 N., R. 29 W.
- Map of the Huntington Mine, section 9, T. 46 N., R. 29 W.
- Two maps of the Huntington-South Hillcrest Mines, section 9, T. 46 N., R. 29 W.

MA-00783 Map folder with 70 items:

- Two maps of the Ironton Mine, section 11, T. 35 N., R. 29 W.
- Blueprint cross-section diagram of exploration at the Ironton Mine.
- Three blueprints showing 200' level of the Ironton Mine.
- Six maps of the Joan Mine, section 3, T. 46 N., R. 29 W.

- Four maps of the Kennedy Mine, sections 29-30, T. 47 N., R. 28 W.
- 54 maps of the Louise Mine, section 3, T. 46 N., R. 29 W.

MA-00784 Map folder with 18 items:

- Four maps of the Mahnomen No. 1 Mine, section 10, T. 46 N., R. 29 W.
- Map of the Mahnomen No. 2 Mine, section 10, T. 46 N., R. 29 W.
- Four maps of the Mahnomen No. 3 Mine, section 10, T. 46 N., R. 29 W.
- Two maps of the Mahnomen No. 4 Mine, section 10, T. 46 N., R. 29 W.
- Map of the Mallen property, section 17, T. 46 N., R. 29 W.
- Two maps of the Mangan Mine, section 10, T. 46 N., R. 29 W.
- Two maps of the Mangan No. 2 Mine. section 10, T. 46 N., R. 29 W.
- Two maps of the Manuel Mine, section 1, T. 46 N., R. 29 W.

MA-00785 Map folder with 17 items:

- Six maps of the Maroco Mine, sections 4-5, T. 46 N., R. 29 W.
- Seven cross-section diagrams of the Martin Mine, section 16, T. 46 N., R. 29 W.
- Plan map of the Martin Mine.
- Three sketches of the Merritt Mine, section 33, T. 47 N., R. 29 W.

MA-00786 Map folder with 14 items:

- Two sketch maps of the Pennington Mine, section 10, T. 46 N., R. 29 W.
- Five detailed maps of the Pennington Mine, section 10, T. 46 N., R. 29 W.
- Blueprint showing holdings of the Pittsburgh Steel Ore Co.
- Map of the Pontiac Mine, section 34, T. 47 N., R. 29 W.
- Two maps of the Portsmouth Mine, section 2, T. 46 N., R. 29 W.
- Three maps of the Rabbit Lake Mine, section 29, T. 47 N., R. 28 W., and section 30, T. 47 N., R. 29 W.

MA-00787 Map folder with four maps of the Rowe Mine.

MA-00788 Map folder with 27 items:

- Fifteen cross-section diagrams (A – N) of the Rowe Mine, section 18, T. 46 N., R. 29 W.
- Five cross-section diagrams of section 17, T. 46 N., R. 29 W.
- Four maps showing drill holes in the Rowe Mine.
- Three plane-table sheets.

MA-00789 Map folder with 20 items:

- Two maps of the Sagamore Mine, section 19, T. 46 N., R. 29 W.
- Map of the east end of the Sagamore Mine, Pit No. 1.
- Five maps of the northeast end of the Sagamore Mine, Pit No. 1.
- Three maps of the southwest end of the Sagamore Mine, Pit No. 1.
- Five maps of the Sagamore Mine, Pit No. 2.
- Two maps of the Section Six Mine, section 6, T. 46 N., R. 29 W.
- Two maps of the Snowshoe Mine, section 17, T. 46 N., R. 29 W.

- MA-00790 Map folder with six items:
- Four maps of the Virginia Mine, sections 4-5, T. 46 N., R. 29 W.
 - One map, each, of the North Yawkey and South Yawkey Mines, section 1, T. 46 N., R. 29 W.
- MA-00791 Map folder with 15 items:
- One copy, each, of the Aitkin, Cuyuna, and Deerwood 15' quadrangles, Minnesota, with annotations.
 - Map of the North Range Cuyuna District.
 - Map of east-central Minnesota showing the location of the Cuyuna district.
 - Map of lands for sale in Kanabec, Mille Lacs, Pine, and Aitkin Counties, with geologic annotations.
 - Map of part of the Cuyuna District.
 - Three maps of the Cuyuna District.
 - Map of Cuyuna iron range (Zeno Iron Company).
 - Map of Cuyuna Iron Range.
 - Three maps showing magnetic surveys of Rabbit Lake district, South Range Cuyuna district, and Upper Cuyuna.
- MA-00792 Map folder with 63 items:
- Map of cross-section diagrams in section 46, T. 46 N., R. 29 W.
 - Blueprint of section 1.
 - Four vertical cross-section diagrams.
 - Thirteen cross-section diagrams showing exploration in section 1.
 - Two cross-section diagrams showing exploration in section 9.
 - Thirteen cross-section diagrams for section 10.
 - Surface map of section 10.
 - Three plans of the cross-section diagrams and drill holes, section 10.
 - Four cross-section diagrams and drill holes for section 10.
 - Four cross-section diagrams showing exploration in section 11.
 - Three cross-section diagrams showing exploration in section 12.
 - Four cross-section diagrams showing exploration in section 18.
 - Four diagrams labeled E, H, J, and M, showing exploration in section 19.
 - Six cross-section diagrams showing exploration in section 36.
- MA-00793 Map folder with 27 cross-section diagrams showing exploration activity in sections 19, 20, 21, 27, 30, 31, and 32, T. 47 N., R. 29 W.
- MA-00794 Map folder with 20 maps and cross-section diagrams related to exploration in T. 47 N., R. 29 W.
- MA-00795 Map folder with 17 items:
- Map showing exploration in section 12, T. 43 N., R. 32 W.
 - Two maps showing magnetic surveys of lands in T. 133-134 N., R. 28 W. and T. 133 N., R. 29 W.

- Report on exploration in T. 133 N., R. 28 W., T. 133 N., R. 29 W., and T. 134 N., R. 28 W.
- Three cross-section diagrams showing exploration in section 3, T. 133 N., R. 29 W.
- Cross-section diagram showing exploration in section 11, T. 133 N., R. 29 W.
- Cross-section diagram showing exploration in section 14, T. 133 N., R. 29 W.
- Cross-section diagram showing exploration in section 15, T. 133 N., R. 29 W.
- Cross-section diagram showing exploration in section 5, T. 133 N., R. 28 W.
- Cross-section diagram showing exploration in section 22, T. 133 N., R. 28 W.
- Three cross-section diagrams showing exploration in section 23, T. 134 N., R. 28 W.
- Two cross-section diagrams showing exploration in section 33, T. 134 N., R. 28 W.

Published as: U.S. Geological Survey. Professional paper 407. 1963.

GEOLOGY OF THE WOLF CREEK 7.5' QUADRANGLE, LEWIS AND CLARK COUNTY, MONTANA. 1958-1969.

- NO-11821 R.G. Schmidt. Field notebook with geologic notes and sketches related to field investigations in the Wolf Creek 7.5' quadrangle, Montana. 1958-1959.
- NO-11822 R.G. Schmidt. Field notebook with geologic notes and sketches related to field investigations in the Wolf Creek 7.5' quadrangle, Montana. 1959-1960.
- NO-11823 R.G. Schmidt. Field notebook with geologic notes related to field investigations in the Wolf Creek 7.5' quadrangle, Montana. Most of the notes are from 1966 and consist of measured section descriptions, but one group of loose sheets with descriptions of samples taken for potassium-argon dating is from 1969.
- NO-11824 Document box with 11 folders of black and white aerial photographs covering the Wolf Creek 7.5' quadrangle, Montana, many with geologic annotations. The folders are labeled flights C through M. All photographs dated 1955.
- NO-11825 Envelope with a USGS Branch of Paleontology and Stratigraphy report on referred fossils collected in the Wolf Creek 7.5' quadrangle, Montana. 1959.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-974. 1976.

AERORADIOACTIVITY SURVEY AND AREAL GEOLOGY OF THE SAVANNAH RIVER NUCLEAR PLANT AREA, SOUTH CAROLINA AND GEORGIA. 1959-1960.

- NO-11826 R.G. Schmidt. Field notebook with geologic notes and sketches and sample data

related to studies of aeroradioactivity and areal geology in the Savannah River Nuclear Plant area, South Carolina and Georgia. 1959-1960.

NO-11827 Expandable envelope with 13 highway maps of Columbia, Glascock, Lincoln, McDuffie (two copies), and Warren Counties, Georgia, and Aiken, Edgefield, Lexington, McCormick, Newberry (two copies), and Saluda Counties, South Carolina, most with annotations.

Published as: U.S. Geological Survey. Geophysical investigations map GP-306. 1961.

Published as: U.S. Atomic Energy Commission. Report CEX-58.4.2 1962.

GEOLOGY AND IRON DEPOSITS OF THE GOGEBIC RANGE, MICHIGAN AND WISCONSIN. 1965-1970.

NO-11828 R.G. Schmidt. Field notebook pages with geologic notes and sketches and sample data related to field investigations in the West Gogebic Range, Michigan. 1965.

NO-11829 R.G. Schmidt. Field notebook pages with geologic notes and sketches and sample data related to field investigations in the West Gogebic Range, Michigan. 1966.

NO-11830 J.C. Rishel. Field notebook pages with geologic notes and sketches and sample data related to field investigations of Keewatin rocks in the West Gogebic Range, Michigan. 1966.

NO-11831 R.G. Schmidt. Field notebook pages with geologic notes and sketches and sample data related to field investigations in the West Gogebic Range, Michigan. 1967.

NO-11832 G.C. Stephens. Field notebook pages with geologic notes and sketches and sample data related to field investigations in the West Gogebic Range, Michigan. 1967.

NO-11833 R.G. Schmidt. Field notebook pages with geologic notes and sketches and sample data related to field investigations in the West Gogebic Range, Michigan. 1968.

NO-11834 R.G. Schmidt. Field notebook pages with geologic notes and sketches and sample data related to field investigations in the West Gogebic Range, Michigan. 1969.

NO-11835 R.G. Schmidt. Field notebook pages with geologic notes and sketches and sample data related to field investigations in the West Gogebic Range, Michigan. 1970.

NO-11836 G.C. Stephens. Field notebook with records of ground magnetometer traverses related to field investigations in the West Gogebic Range, Michigan. The notebook cover is labeled "Black River Parkway". 1967.

NO-11837 G.C. Stephens. Field notebook with records of ground magnetometer traverses

related to field investigations in the West Gogebic Range, Michigan. The notebook cover is labeled " Iron-F.M. Traverses ". 1967.

- NO-11838 G.C. Stephens. Field notebook with records of ground magnetometer traverses related to field investigations in the West Gogebic Range, Michigan. The notebook cover is labeled "Long Southern Lines". 1967.
- NO-11839 G.C. Stephens. Field notebook with records of ground magnetometer traverses related to field investigations in the West Gogebic Range, Michigan. The notebook cover is labeled "Finishing Mos-Mac R.R. Grade". 1967.
- NO-11840 G.C. Stephens. Field notebook with records of ground magnetometer traverses related to field investigations in the West Gogebic Range, Michigan. The notebook cover is labeled "Short Lines; Misc.". 1967.
- NO-11841 Expandable envelope with group of card-mounted negative and positive film original images of the mine and mining property maps located in MA-03040 through MA-03043 below.
- MA-03039 Map folder with two copies of the Bessemer 7.5' quadrangle, Michigan, and one copy of the Ironwood 7.5' quadrangle, Wisconsin-Michigan, all with annotations.
- MA-03040 Map folder with 51 items:
- Group of 49 sheets with maps, cross-section diagrams, and drill hole and ore body data for the Anvil, Anvil-Keweenaw, Anvil-Palms, Eureka, Mauthe Mining Company, North Palms-Keweenaw, Palms, and Tilden Mines and properties, West Gogebic Range, Michigan.
 - Surface map showing mine locations in the Ramsay-Anvil area, Michigan.
 - Explanation for geologic symbols used in mine maps in this folder.
- MA-03041 Map folder with 57 items:
- Group of 55 sheets with maps, cross-section diagrams, and drill hole and ore body data for the Anvil-Palms, Eureka, Ironton, Newport, Penokee, Peterson, Plymouth Mining Company, Puritan, and Yale Mines and properties, West Gogebic Range, Michigan.
 - Two sheets with geologic cross-section diagram through the Puritan, Ironton, and Yale Mines.
- MA-03042 Map folder with 76 items:
- Group of 76 sheets with maps, cross-section diagrams, and drill hole and ore body data for the Ironton, Peterson, and Puritan Mines and properties, West Gogebic Range, Michigan.
- MA-03043 Map folder with 74 items:
- Group of 58 sheets with maps, cross-section diagrams, and drill hole and ore

body data for the Ashland, Davis, Geneva, Mauthe Mine-Geneva Shaft, Newport, Newport-Bonnie-Davis-Geneva, Norrie, Penokee, and West Davis-Geneva Mines and properties, West Gogebic Range, Michigan.

- Six sheets with a vertical longitudinal projection diagram through the Davis, Geneva, Ironton, Puritan, and Royal Mines.
- Nine sheets with a diagram entitled "Oliver Mining Company, Gogebic District Vertical Longitudinal Projection on Footwall".
- One unidentified geologic cross-section diagram.

Published as: U.S. Geological Survey. Bulletin 1407. 1976.

Published as: U.S. Geological Survey. Bulletin 1460. 1980.