



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

ROGER B. COLTON
(1924 -)

NOTES, CORRESPONDENCE, PAPERS

1946 - 1979

(14.7 linear ft. and 46 map folders)

Roger Burnham Colton was born in Windsor Locks, Connecticut, in 1924. He received B.S. and M.S. degrees from Yale University in 1947 and 1949. Colton served on the staff of the U.S. Geological Survey from 1949 until his retirement in 1989, and specialized in glacial and landslide geomorphology and photogeology. He is a member of the Geological Society of America, the American Association of Petroleum Geologists, the American Institute of Professional Geologists, and the Association of Engineering Geologists.

INVENTORY

By

Clay M. Martin and Carol A. Edwards
U.S. Geological Survey Field Records Collection
MS 914, Box 25046, Federal Center
Denver, CO 80225-0046
September 2004/April 2009

Location of Field Notebooks: CS 14- 4 through 9

GEOLOGY OF THE WOLF POINT AREA, NORTHEASTERN MONTANA. 1946-1962.

<u>Item Number</u>	<u>Description</u>
NO-01938	R.B. Colton. Field notebook with section and other miscellaneous data for the Brockton, Oswego, and Wolf Point 15' quadrangles. Also included are two photographs of quartzite cobbles in pocket at back of notebook. 1950-1951.
NO-01939	Expandable envelope with section, power auger, well log, strike and dip, and till fabric data for the Brockton, Chelsea, Collins Ranch, Frazer, Maloney Hill, Poplar, and Wolf Point 15' quadrangles. 1950.
NO-01940	Expandable envelope with a typed copy of geologic and reconnaissance data for the Todd Lakes, Tule Valley, and Wolf Point 15' quadrangles. 1954.
NO-01941	Expandable envelope with two copies of a typed, 22-page report on the geology of the Brockton Northeast 7.5' quadrangle by Garland B. Gott. Also included is a geologic map of the Brockton Northeast quadrangle. 1947.
NO-01942	J.R. McElroy and L.J. Wanek. Field notebook with section data and logs for the Brockton, Chelsea, Oswego, Poplar, and Wolf Point 15' quadrangles. 1951.
NO-01943	J.R. McElroy and L.J. Wanek. Field notebook with section data and logs for the Brockton, Chelsea, Oswego, Poplar, and Wolf Point 15' quadrangles. 1951.
NO-01944	R.P. Platt. Field notebook with section and aerial photo data for the Brockton 15' quadrangle. 1952.
NO-01945	L.J. Wanek and J.R. McElroy. Field notebook with section and aerial photo data for the Brockton, Chelsea, Poplar, Tule Valley, and Wolf Point 15' quadrangles. 1951.
NO-01946	L.J. Wanek and J.R. McElroy. Field notebook with section data and logs for the Brockton, Chelsea, Poplar, and Wolf Point 15' quadrangles. 1951.
NO-01947	Expandable folder with: <ul style="list-style-type: none">- report on the Bearpaw Shale.- report on an electrical resistivity survey at Medicine Lake, Montana, by George J. Edwards. Includes nine figures.- report on a geological study of factors influencing drainage in the R-Y Trail, Brockton, and Irish Coulee areas of the Missouri River Diversion Unit, including maps.- folder with map of the Wolf Point City area showing well locations.

- NO-01948 One document box and one expandable envelope with data from the Bureau of Reclamation Missouri Basin Project, including logs for drill holes, preliminary canal alignments, and daily test pits. Some miscellaneous logs are also included.
- NO-01949 Expandable envelope with 95 aerial photographs, many with geologic annotations, covering the Baylor 15' quadrangle, Valley County, Montana. No date.
- NO-01950 Two expandable envelopes with 217 aerial photographs, many with geologic annotations, covering the Brockton 15' quadrangle, Richland and Roosevelt Counties, Montana. No date.
- NO-01951 Two expandable envelopes with 143 aerial photographs, many with geologic annotations, covering the Brockton 15' quadrangle, Richland and Roosevelt Counties, Montana. No date.
- NO-01952 Expandable envelope with 125 aerial photographs, many with geologic annotations, covering the Chelsea 15' quadrangle, McCone and Roosevelt Counties, Montana. No date.
- NO-01953 Expandable envelope with 112 aerial photographs, many with geologic annotations, covering the Cuskers 15' quadrangle, Roosevelt County, Montana. No date.
- NO-01954 Expandable envelope with 110 aerial photographs, many with geologic annotations, covering the Hay Creek 15' quadrangle, Roosevelt County, Montana. No date.
- NO-01955 Expandable envelope with 98 aerial photographs, many with geologic annotations, covering the Larslan 15' quadrangle, Valley County, Montana. No date.
- NO-01956 Expandable envelope with 111 aerial photographs, many with geologic annotations, covering the Opheim 15' quadrangle, Valley County, Montana. No date.
- NO-01957 Expandable envelope with 81 aerial photographs, many with geologic annotations, covering the Opheim West 15' quadrangle, Valley County, Montana. No date.
- NO-01958 Two expandable envelopes with 198 aerial photographs, many with geologic annotations, covering the Oswego 15' quadrangle, McCone, Roosevelt, and Valley Counties, Montana. No date.
- NO-01959 Two expandable envelopes with 145 aerial photographs, many with geologic

annotations, covering the Poplar 15' quadrangle, McCone, Richland, and Roosevelt Counties, Montana. No date.

- NO-01960 Two expandable envelopes with 167 aerial photographs, many with geologic annotations, covering the Porcupine Valley 15' quadrangle, Valley County, Montana. No date.
- NO-01961 Two expandable envelopes with 123 aerial photographs, many with geologic annotations, covering the Porcupine Valley 15' quadrangle, Valley County, Montana. 1946-1962.
- NO-01962 Expandable envelope with 72 aerial photographs, many with geologic annotations, covering the Richland 15' quadrangle, Valley County, Montana. 1946-1962.
- NO-01963 One document box and one expandable envelope with 231 aerial photographs, many with geologic annotations, covering the Spring Creek 15' quadrangle, Valley County, Montana. No date.
- NO-01964 One document box and one expandable envelope with 251 aerial photographs, many with geologic annotations, covering the Todd Lakes 15' quadrangle, Roosevelt and Valley Counties, Montana. 1946-1962.
- NO-01965 Expandable envelope with 106 aerial photographs, many with geologic annotations, covering the Tule Valley 15' quadrangle, Roosevelt County, Montana. No date.
- NO-01966 Expandable envelope with 64 aerial photographs, many with geologic annotations, covering the Wendell 15' quadrangle, Valley County, Montana. No date.
- NO-01967 Expandable envelope with 79 aerial photographs, many with geologic annotations, covering the West Fork 15' quadrangle, Daniels, Roosevelt, and Valley Counties, Montana. No date.
- NO-01968 Expandable envelope with 122 aerial photographs, many with geologic annotations, covering the Wolf Point 15' quadrangle, McCone and Roosevelt Counties, Montana. No date.
- MA-02815 Map folder with 39 items, including field maps, cross-section diagrams, figures, overlays, and publication notes related to geologic mapping of the Brockton and Chelsea 15' quadrangles and the Calais (Brockton NE) 7.5' quadrangle, Montana. 1946-1962.
- MA-02816 Map folder with 38 items, including field maps, cross-section diagrams, figures,

overlays, and publication notes related to geologic mapping of the Cuskers, Hay Creek, Oswego, and Poplar 15' quadrangles, Montana. 1950-1954.

- MA-02817 Map folder with 34 items, including field maps, cross-section diagrams, figures, overlays, and publication notes related to geologic mapping of the Spring Creek, Porcupine Valley, Todd Lakes, Tule Valley 15' quadrangles, Montana.
- MA-02818 Map folder with 10 items, including field maps, cross-section diagrams, figures, overlays, and publication notes related to geologic mapping of the Wolf Point 15' quadrangle, Montana.
- MA-02819 Map folder with 65 items:
- field copies, with geologic annotations, of the southern parts of the Baylor, Kahle, Larslan, Lundville, Police Creek, and West Fork 15' quadrangles, Montana.
 - 25 township maps, T. 32-33 N., R. 39-51 E.
 - notes for speech on the Brockton-Froid fault zone.
 - map of the Fort Peck Indian Reservation.
 - map of part of the Homestead 15' quadrangle.
 - three maps of northeastern Montana.
 - one map of parts of the Johnson Lake, Rocky Point, Coyote Coulee, Calais, and Fort Kipp 7.5' quadrangles, Montana.
 - Sheets 23-39 of the International Boundary Commission Map Series, covering the border between Montana, Alberta, and Saskatchewan.
- MA-02820 Map folder with five items:
- highway map for the south half of Valley County, Montana.
 - strip map showing alluvial deposits along the Missouri River in the Wolf Point area, Montana. 1957.
 - geologic sketch map of the Antelope-Zahl-Alamo area, Montana.
 - two geologic sketch maps of the Smoke Creek-Medicine Lake-Grenora area, Montana and North Dakota, with explanation sheet.
- MA-02821 Map folder with 32 aerial photo mosaic sheets for Blaine County, Montana.
- MA-02822 Map folder with 33 items:
- 32 aerial photo mosaic sheets for Garfield and McCone Counties, Montana.
 - highway map for McCone County, Montana.
- MA-02823 Map folder with 42 items:
- 40 aerial photo mosaic sheets for Phillips County, Montana.
 - highway map (in two parts) for Phillips County, Montana.
- MA-02824 Map folder with 30 items:
- 27 aerial photo mosaic sheets for Richland and Roosevelt Counties, Montana.
 - township map for Richland County, Montana.

- highway map (in two parts) for Roosevelt County, Montana.
- MA-02825 Map folder with 36 items:
- 33 aerial photo mosaic sheets for Sheridan and Valley Counties, Montana.
 - highway maps for Valley (in two parts) and Sheridan Counties, Montana.
- MA-02826 Map folder with eight items:
- four aerial photo mosaic sheets for Wibaux County, Montana.
 - Geologic map of the Tule Valley 15' quadrangle, Montana.
 - Geologic map of the Porcupine Valley 15' quadrangle, Montana.
 - Geologic map of the Brockton, Chelsea, and Poplar 15' quadrangles, Montana.
 - highway map of Wibaux County, Montana.
- MA-00441 Map folder with 15 items:
- highway map of Daniels County, Montana.
 - Diagram showing vertical relationships among glacial features north and south of the Missouri River.
 - four block diagrams showing glaciation in northeastern Montana.
 - diagram showing steps in the evolution of drainage patterns in northeastern Montana.
 - geologic sketch map of the Blair NE and Blair NW 7.5' quadrangles, Montana.
 - two topographic maps of sec. 29 and 30, T. 28 N., R.52 E., northeastern Montana, with geologic annotations.
 - geologic map of the Bainville No. 2, Homestead, Smoke Creek, and Dagmar No. 4 7.5' quadrangles, Montana.
 - map and profile of the Brockton-Froid fault zone.
 - copy of the Alkali Coulee 7.5' quadrangle, Montana, with geologic annotations.
 - copy of the Reserve 7.5' quadrangle, Montana, with geologic annotations.
 - geologic map of the Bainville No. 2 7.5' quadrangle, Montana.
- MA-00442 Map folder with six items:
- map of crevasse fillings in the Hay Creek and Smoke Creek 15' quadrangles, Montana.
 - geologic map of the Smoke Creek and Homestead 15' quadrangles, Montana.
 - map of crevasse fillings in the Chelsea-Poplar area, Montana.
 - map of crevasse fillings in the Frazer-Oswego area, Montana.
 - two maps showing geology and crevasse fillings in the Frazer-Oswego-Wolf Point-Chelsea-Poplar areas, Montana.
- MA-00443 Map folder with nine items:
- two glacial geology maps of the Wolf Point 1 x 2 degree quadrangle, Montana.
 - glacial geology map of part of the Fort Peck Indian Reservation, Montana.

- map showing extent of Glacial Lake Waska.
- map entitled "Northeastern Montana showing positions temporarily occupied by the ice front during recessions".
- two maps showing glacial features along the Missouri River in northeastern Montana.
- structure contour map of the Fort Peck Indian Reservation, Montana, by A.F. Bateman, Jr. 1955.
- geologic and structure contour map of the Fort Peck Indian Reservation, Montana, by R.B. Colton and A.F. Bateman, Jr. 1956.

Published as: U.S. Geological Survey. Open-file report 101. 1951.

Published as: U.S. Geological Survey. Open-file report 52-38. 1952.

Published as: U.S. Geological Survey. Open-file report 220. 1953.

Published as: U.S. Geological Survey. Open-file report 54-54. 1954.

Published as: U.S. Geological Survey. Open-file report 55-30. 1955.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-67. 1955.

Published as: U.S. Geological Survey. Miscellaneous investigations map I-225. 1956.

Published as: U.S. Geological Survey. Miscellaneous investigations map I-362. 1963.

Published as: U.S. Geological Survey. Miscellaneous investigations map I-363. 1963.

Published as: U.S. Geological Survey. Miscellaneous investigations map I-364. 1963.

Published as: U.S. Geological Survey. Miscellaneous investigations map I-365. 1963.

Published as: U.S. Geological Survey. Miscellaneous investigations map I-366. 1963.

Published as: U.S. Geological Survey. Miscellaneous investigations map I-367. 1963.

Published as: U.S. Geological Survey. Miscellaneous investigations map I-368. 1963.

Published as: U.S. Geological Survey. Miscellaneous investigations map I-369. 1963.

Published as: U.S. Geological Survey. Miscellaneous investigations map I-370. 1963.

Published as: U.S. Geological Survey. Miscellaneous investigations map I-371. 1963.

Published as: U.S. Geological Survey. Miscellaneous investigations map I-361. 1964.

Published as: U.S. Geological Survey. Miscellaneous investigations map I-429. 1964.

GLACIAL MAP OF MONTANA EAST OF THE ROCKY MOUNTAINS AND WILLISTON BASIN AREAS. 1951.

- NO-01998 Three expandable envelopes with 198 aerial photographs, many with geologic annotations, covering the Glasgow 1 x 2 degree quadrangle, Daniels, McCone, Phillips, and Valley Counties, Montana. No date.
- NO-01999 Expandable envelope with 102 aerial photographs, many with geologic annotations, covering the Glasgow 1 x 2 degree quadrangle, Daniels, McCone, Phillips, and Valley Counties, Montana. No date.
- NO-02000 Two expandable envelopes with 148 aerial photographs, many with geologic annotations, covering the Glendive 1 x 2 degree quadrangle, Dawson, McCone, Prairie, Richland, and Wibaux Counties, Montana. No date.
- NO-02001 Expandable envelope with 100 aerial photographs, many with geologic annotations, covering the Glendive 1 x 2 degree quadrangle, Daniels, McCone, Prairie, Richland, and Wibaux Counties, Montana. No date.
- NO-02002 Two expandable envelopes with 110 aerial photographs, many with geologic annotations, covering the Havre 1 x 2 degree quadrangle, Blaine, Hill, and Phillips Counties, Montana. No date.
- NO-02003 Two expandable envelopes with 149 aerial photographs, many with geologic annotations, covering the Jordan and Shelby 1 x 2 degree quadrangles, Garfield, Hill, Liberty, McCone, Prairie, Petroleum, Phillips, and Valley Counties, Montana. No date.
- NO-02004 Two expandable envelopes with 112 aerial photographs, many with geologic annotations, covering the Wolf Point 1 x 2 degree quadrangle, Daniels, McCone, Richland, Roosevelt, Sheridan, and Valley Counties, Montana. No date.
- NO-02005 Two expandable envelopes with 170 aerial photographs, many with geologic annotations, covering the Wolf Point 1 x 2 degree quadrangle, Daniels, McCone, Richland, Roosevelt, Sheridan, and Valley Counties, Montana. No date.
- NO-02006 Expandable envelope with 24 aerial photographs, many with geologic annotations, covering the Pierre 1 x 2 degree quadrangle, South Dakota, and the Williston Basin area, Montana. No date.
- NO-08902 One document box and one expandable envelope with 240 aerial photographs, many with geologic annotations, covering the Lloyd 30' quadrangle, Blaine and Hall Counties, Montana. 1954.

- MA-01904 Map folder with 10 items:
- nine aerial photo mosaic sheets covering the Bismark, Dickinson, Gillette, McClusky, Minot, Rapid City, Watford City, and Williston 1 x 2 degree quadrangles, Montana, North Dakota, South Dakota, and Wyoming.
 - aerial photo index map of the Lloyd 30' quadrangle, Montana.

Published as: U.S. Geological Survey. Miscellaneous investigations map I-327. 1961.

Published as: U.S. Geological Survey. Open-file report 84-688. 1984.

GEOLOGIC STUDIES NEAR THULE AIRBASE AND IN THE NUNATARSSUAQ AREA, GREENLAND. 1953-1956.

- NO-08562 Expandable envelope with:
- Folder 1. Typed draft with editing of "Patterned ground near Thule Airbase, Greenland" by Roger B. Colton and Chauncey D. Holmes. The report includes photos, sketches, list of additional photos, and letters between Colton and Holmes (1956).
 - Folder 2. Information on mechanical analyses of samples from the Nunatarssuaq area, list of samples by Richard P. Goldthwait (1953), and sieve analysis reports.
 - Folder 3. Operation Ice Cap. Report of Ramp Party. Nunatarssuaq area. II. Geological Report. b. Geomorphology, by Roger B. Colton and Chauncey D. Holmes. Includes sketches and same list of photos as in folder 1 (photos are in USGS Photo Library);

NO-08563 Notebook entitled "Field Notes of Nunatarssuaq area near Thule Airbase Greenland". Roger Colton. 1953. Notes on geology, geomorphology, patterned ground, and other permafrost- and glacier-related features. Includes sketches.

- MA-01821 Map folder with 2 items:
- World Aeronautical Chart. Smith Sound (20), Canada-Greenland. 1952.
 - Topographic map of Nunatarssuaq area, showing routes traveled on foot and by helicopter, and dates.

PRELIMINARY GLACIAL MAP OF NORTH DAKOTA. 1954-1955.

- NO-01969 Two expandable envelopes with 205 aerial photographs, many with geologic annotations. Barnes and Benson Counties, North Dakota. No date.
- NO-01970 One document box and one expandable envelope with 200 aerial photographs, many with geologic annotations. Benson County, North Dakota. No date.

- NO-01971 One document box and one expandable envelope with 201 aerial photographs, many with geologic annotations. Benson, Dickey, Eddy, Emmons, Foster, Griggs, and Kidder Counties, North Dakota. No date.
- NO-01972 One document box and one expandable envelope with 192 aerial photographs, many with geologic annotations. Logan, McIntosh, Nelson, and Pembina Counties, North Dakota. No date.
- NO-01973 One document box and one expandable envelope with 232 aerial photographs, many with geologic annotations. Pierce County, North Dakota. No date.
- NO-01974 One document box and one expandable envelope with 223 aerial photographs, many with geologic annotations. Pierce, Ramsey, Ransom, Rolette, and Towner Counties, North Dakota. No date.
- NO-01975 One document box and one expandable envelope with 212 aerial photographs, many with geologic annotations. Rolette and Towner Counties, North Dakota. No date.
- NO-01976 Expandable envelope with 130 aerial photographs, many with geologic annotations. Sheridan County, North Dakota. No date.
- NO-01977 Document box with 182 aerial photographs, many with geologic annotations. Stutsman County, North Dakota. No date.
- NO-01978 Expandable envelope with 116 aerial photographs, many with geologic annotations. Towner, Welsh, and Wells Counties, North Dakota. No date.
- MA-02827 Map folder with 30 items:
- 25 aerial photo mosaic sheets for Benson, Barnes, and Bottineau Counties, North Dakota.
 - highway maps for Benson (in two parts), Barnes, (in two parts), and Bottineau Counties, North Dakota.
- MA-02828 Map folder with 29 items:
- 25 aerial photo mosaic sheets for Burke, Burleigh, and Cass Counties, North Dakota.
 - highway maps (in two parts each) for Burleigh and Cass Counties, North Dakota.
- MA-02829 Map folder with 30 items:
- 25 aerial photo mosaic sheets for Cavalier, Dickey, Divide, and Eddy Counties, North Dakota.
 - highway maps for Cavalier, Dickey, Divide (two copies), and Eddy Counties, North Dakota.

- MA-02830 Map folder with 26 items:
- 21 aerial photo mosaic sheets for Emmons, Foster, and Grand Forks Counties, North Dakota, and the Fort Berthold Indian Reservation, North Dakota.
 - highway map for Emmons County, North Dakota (in two parts).
 - highway map for Foster County, North Dakota.
 - highway map for Grand Forks County, North Dakota (in two parts).
- MA-02831 Map folder with 26 items:
- 19 aerial photo mosaic sheets for Griggs, Kidder, La Moure, and Logan Counties, North Dakota.
 - highway map for Griggs County, North Dakota.
 - highway map for La Moure County, North Dakota.
 - highway map for Logan County, North Dakota.
 - one copy each of the Tappen NE, Tappen North, Tappen SE, and Tappen South 7.5' quadrangles, with geologic annotations.
- MA-02832 Map folder with 41 items:
- 38 aerial photo mosaic sheets for McHenry, McIntosh, and McKenzie Counties, North Dakota.
 - highway map for McIntosh County, North Dakota.
 - highway map for McKenzie County, North Dakota (in two parts).
- MA-02833 Map folder with 43 items:
- 40 aerial photo mosaic sheets for McLean, Mountrail, and Nelson Counties, North Dakota.
 - highway map for Mountrail County, North Dakota (in two parts).
 - highway map for Nelson County, North Dakota.
- MA-02834 Map folder with 33 items:
- 28 aerial photo mosaic sheets for Pembina, Ramsey, and Pierce Counties, North Dakota.
 - highway map of Pembina County, North Dakota.
 - highway map of Ramsey County, North Dakota (in two parts).
 - highway map of Pierce County, North Dakota.
 - glacial features map of northeastern North Dakota.
- MA-02835 Map folder with 33 items:
- 28 aerial photo mosaic sheets for Ransom, Renville, Richland, Rolette, and Sargent Counties, North Dakota.
 - five highway maps for Ransom, Richland (in two parts), Rolette, and Sargent Counties, North Dakota.
- MA-02836 Map folder with 26 items:
- 22 aerial photo mosaic sheets for Sheridan, Steele, and Stutsman Counties, North Dakota.

- four highway maps for Sheridan, Steele, and Stutsman (in two parts) Counties, North Dakota.

MA-02837 Map folder with 19 items:

- 16 aerial photo mosaic sheets for Towner, Traill, and Walsh Counties, North Dakota.
- three highway maps for Towner, Traill, and Walsh Counties, North Dakota.

MA-02838 Map folder with 47 items:

- 43 aerial photo mosaic sheets for Ward and Wells Counties, North Dakota.
- four highway maps (in two parts each) for Wells and Williams Counties, North Dakota.

Published as: North Dakota Geological Survey. Miscellaneous series 10. 1958.

Published as: U.S. Geological Survey. Miscellaneous investigations map I-331. 1963.

GEOLOGY OF THE POWDER RIVER BASIN, WYOMING. 1970-1979.

MA-02839 Map folder with copies of the Bill, Cole Creek, Echeta, Edgerton, Gillette, Highlight, Pumpkin Creek, Rocky Point, Spotted Horse, and Teckla sheets from the Bureau of Land Management 1:126,720-scale series of surface and minerals management quadrangles. Total items: 14.

MA-02840 Map folder with 4 color aerial photos of the North Rawhide Coal Mine, Campbell County, Wyoming. Flown May 28, 1976.

MA-02841 Map folder with 13 items:

- photomosaic index for the Echeta quadrangle.
- copies of the Moyer Springs, Gillette East, Rozet NW, Rozet 2 SE, Teckla SW, Little Thunder Reservoir, Piney Canyon (2 copies), Turnercrest SE, Turnercrest NE (2 copies), and North Star School SE orthophotoquads, Wyoming.

MA-02842 Map folder with copies of the Buck Creek, Croton, Green Hill, Jim Creek, Larey Draw, North Star School NE, North Star School SE, Oriva, Oriva NW, Piney Canyon NE, Piney Canyon SE, Recluse, Rough Creek, Spotted Horse, Truman Draw, Turnercrest SE, and Wildcat orthophotoquads, Wyoming. Total items: 18.

MA-02843 Map folder with copies of the Calf Creek, Eagle Rock, Gillette West, Jim Creek, Piney Canyon NE, Piney Canyon NW, Piney Canyon SE, Pitch Draw, and Rozet NE orthophotoquads, Wyoming. Total items: 9.

MA-02844 Map folder with copies of the Bogie Draw, Carr Draw, Double Tanks, Hilight,

Morgan Draw, Neil Butte (2 copies), Open A Ranch (2 copies), Reno Junction, Reno Reservoir, Scott Dam, and Whitetail Creek SE orthophotoquads, Wyoming. Total items: 13.

Published as: U.S. Geological Survey. Miscellaneous investigations map I-2298. 1994.

STUDIES OF GLACIAL FEATURES IN CONNECTICUT. 1971.

- NO-10904 Expandable envelope with:
- thirteen-page report describing work on "Map of Connecticut showing glacial striations and long axes of streamline hills". No date.
 - geologic cross-section diagram entitled "Profile along Thomas St. Windsor Locks, Connecticut". No date.

Published as: U.S. Geological Survey. Open-file report 72-75. 1972.

MISCELLANEOUS GEOLOGIC STUDIES IN MONTANA. NO DATE.

- NO-10906 Field notebook (unbound) with 13 pages of stratigraphic notes related to water resources in McCone County, Montana.
- NO-00505 Expandable envelope with 93 aerial photographs of the Flaxville area, many with geologic annotations. Also included is an index map showing locations of several projects in northeastern Montana. No date. Note: An index map showing work done by Colton in Daniels and other Montana counties is filed in NO-00505.
- NO-00506 Expandable envelope with 108 aerial photographs of the Four Buttes area, many with geologic annotations. No date. Note: An index map showing work done by Colton in Daniels and other Montana counties is filed in NO-00505.
- NO-00507 Expandable envelope with 76 aerial photographs of the Kahle area, many with geologic annotations. No date. Note: An index map showing work done by Colton in Daniels and other Montana counties is filed in NO-00505.
- NO-00508 Expandable envelope with 110 aerial photographs of the Kahle area, many with geologic annotations. No date. Note: An index map showing work done by Colton in Daniels and other Montana counties is filed in NO-00505.
- NO-00509 Expandable envelope with 90 aerial photographs of the Larslan and Lundville areas, many with geologic annotations. No date. Note: An index map showing work done by Colton in Daniels and other Montana counties is filed in NO-00505.
- NO-00510 Expandable envelope with 114 aerial photographs of the Lundville area, many

with geologic annotations. No date. Note: An index map showing work done by Colton in Daniels and other Montana counties is filed in NO-00505.

- NO-00511 Expandable envelope with 116 aerial photographs of the Peerless area, many with geologic annotations. No date. Note: An index map showing work done by Colton in Daniels and other Montana counties is filed in NO-00505.
- NO-00512 Expandable envelope with 74 aerial photographs of the Police Creek area, many with geologic annotations. No date. Note: An index map showing work done by Colton in Daniels and other Montana counties is filed in NO-00505.
- NO-00513 Expandable envelope with 107 aerial photographs of the Police Creek area, many with geologic annotations. No date. Note: An index map showing work done by Colton in Daniels and other Montana counties is filed in NO-00505.
- NO-00514 Expandable envelope with 55 aerial photographs of the Richland area, many with geologic annotations. No date. Note: An index map showing work done by Colton in Daniels and other Montana counties is filed in NO-00505.
- NO-00515 Expandable envelope with 117 aerial photographs of the Scobey area, many with geologic annotations. No date. Note: An index map showing work done by Colton in Daniels and other Montana counties is filed in NO-00505.
- NO-00516 Expandable envelope with 110 aerial photographs of the West Fork area, many with geologic annotations. No date. Note: An index map showing work done by Colton in Daniels and other Montana counties is filed in NO-00505.
- NO-00517 Expandable envelope with 46 aerial photographs of the West Fork area, many with geologic annotations. No date. Note: An index map showing work done by Colton in Daniels and other Montana counties is filed in NO-00505.
- NO-00501 Two expandable envelopes with 102 aerial photographs, many with geologic annotations, covering the Kahle, Lundville, Police Creek, and West Fork areas. No date. Note: An index map showing work done by Colton in Roosevelt and other Montana counties is filed in NO-00505.
- NO-00502 Two expandable envelopes with 144 aerial photographs, many with geologic annotations, covering the Baylor area. Note: An index map showing work done by Colton in Valley and other Montana counties is filed in NO-00505.
- NO-00503 Two expandable envelopes with 136 aerial photographs, many with geologic annotations, covering the Larslan area. Note: An index map showing work done by Colton in Valley and other Montana counties is filed in NO-00505.
- NO-00504 Expandable envelope with 33 aerial photographs, many with geologic

annotations, covering the West Fork area. Note: An index map showing work done by Colton in Valley and other Montana counties is filed in NO-00505.

- MA-02845 Map folder with 39 items:
- geologic maps of the Culbertson, Glasgow, Opheim, Plentywood, Scobey, and Wolf Point 30' x 60' quadrangles, Montana.
 - reconnaissance geologic maps of the Bainville 1 SW, Bainville 3 NE, Bainville 3 NW, Bainville 4 NW, Baylor, Baylor NE, Brush Mountain, Bull Butte, Chapman Coulee, Jonnys Hill, Larslan, Miller Coulee, Opheim, Outlook, Peerless, Peerless 4 NE, Peerless 4 NW, Plentywood, Plentywood 3, Red Bank Creek, Richland, Sunnyhill School, Tampico, West Fork, and West Fork NE 7.5' quadrangles, Montana.
 - three reconnaissance geologic maps on composite topographic map bases for the Scobey, Montana, area.
 - reconnaissance geologic map based on the Dooley and Westby 7.5' quadrangles, Montana and North Dakota.
 - copy of the Hardin, Montana-Wyoming 1 x 2 degree quadrangle.
 - map entitled "Location of Erratic Boulders South of Drift Border".
 - reconnaissance geologic map on unidentified 7.5' quadrangle base.
 - packet of explanatory material for map units used in reconnaissance geologic mapping.
- MA-02846 Map folder with 25 items:
- copies of the Glasgow, Glendive, Jordan, and Wolf Point 1 x 2 degree quadrangles, with annotations.
 - copy of the 1970 USGS topographic map index for Montana, with annotations.
 - three aerial photo mosaic sheets for the Williston Basin area, Montana.
 - reconnaissance geologic maps of the Boundary 1 NE, Boundary 1 NW, Boundary 1 SE, Boundary 1 SW, Boundary 2 NE, Boundary 2 NW, Boundary 2 SE, Boundary 2 SW, Boundary 3 NE, Boundary 3 NW, Boundary 3 SE, Boundary 3 SW, Boundary 4 NE, Boundary 4 NW, Boundary 4 SE, and Boundary 4 SW 7.5' quadrangles, Montana.
- MA-02850 Map folder with 18 items:
- 17 aerial photo mosaic sheets for Daniels County, Montana.
 - highway map of Daniels County, Montana, with geologic annotations.
- MA-02851 Map folder with 12 aerial photo mosaic sheets for Hill County, Montana.
- MA-02852 Map folder with 17 aerial photo mosaic sheets for Toole County, Montana.

Published as: U.S. Geological Survey. Open-file report 78-898. 1978.

Published as: U.S. Geological Survey. Miscellaneous field studies map MF-1112. 1979.

Published as: U.S. Geological Survey. Miscellaneous field studies map MF-1110. 1979.

Published as: U.S. Geological Survey. Miscellaneous field studies map MF-1404. 1982.

Published as: U.S. Geological Survey. Open-file report 89-171. 1989.

Published as: U.S. Geological Survey. Open-file report 89-319. 1989.

Published as: Montana Bureau of Mines and Geology. Geologic map GM-49. 1989.

Published as: Montana Bureau of Mines and Geology. Open-file report 371. 1998.

**PLENTYWOOD PROJECT, SHERIDAN COUNTY, MONTANA, AND
DIVIDE COUNTY, NORTH DAKOTA. NO DATE.**

- NO-00518 Expandable envelope with 128 aerial photographs, many with geologic annotations, covering the Dooley 15' quadrangle. No date.
- NO-00519 Expandable envelope with 93 aerial photographs, many with geologic annotations, covering the Outlook 15' quadrangle. No date.
- NO-00520 Expandable envelope with 107 aerial photographs, many with geologic annotations, covering the Outlook 15' quadrangle. No date.
- NO-00521 Expandable envelope with 118 aerial photographs, many with geologic annotations, covering the Plentywood (no. 1) 15' quadrangle. No date.
- NO-00522 Expandable envelope with 135 aerial photographs, many with geologic annotations, covering the Soo 15' quadrangle. No date.
- NO-00523 Expandable envelope with 131 aerial photographs, many with geologic annotations, covering the Westby 15' quadrangle. No date.
- NO-00524 Expandable envelope with 100 aerial photographs, many with geologic annotations, covering the Fortuna 15' quadrangle. No date.
- NO-00638 Expandable envelope with 92 aerial photographs, many with geologic annotations, covering the Otter Creek 15' quadrangle. No date.
- NO-00639 Expandable envelope with 94 aerial photographs, many with geologic annotations, covering the Otter Creek 15' quadrangle. No date.
- NO-01921 Field notebook with geologic, section, aerial photo, and station 160-229 data for the Otter Creek 15' quadrangle. No date.

- MA-00226 Map folder with five items:
- four charts of well locations and elevation data for the Plentywood project area, Sheridan County, Montana.
 - packet of correspondence and explanatory information related to well location charts.
- MA-00438 Map folder with six items:
- five draft copies of a geologic map of the Otter Creek 15' quadrangle, Montana.
 - composite map of the Alkali Coulee and Shippe Canyon 7.5' quadrangles, Montana, with geologic annotations.
- MA-00439 Map folder with 13 items:
- seven draft copies of a geologic map of the Otter Creek 15' quadrangle, Montana.
 - three draft copies of a map and section showing the location of the buried course of Big Muddy Creek.
 - two diagrams showing sections of lignite beds in the Otter Creek 15' quadrangle, Montana.
 - map showing coal beds in the Otter Creek 15' quadrangle, Montana.
- MA-02847 Map folder with 11 items:
- location map for the Otter Creek 15' quadrangle, Montana.
 - diagram showing coal beds in the Otter Creek 15' quadrangle, Montana.
 - Montana index map showing the Plentywood project study area.
 - diagram showing geologic cross-sections across the Plentywood project study area.
 - three versions of a map showing location and orientation of linear drainages in the Otter Creek 15' quadrangle, Montana.
 - copy of the Wolf Point, Montana, 1 x 2 degree quadrangle, with annotations.
 - three versions of a map showing probable pre-glacial courses of drainages in northeastern Montana.

Published as: U.S. Geological Survey. Open-file report 75. 1951.

Published as: U.S. Geological Survey. Bulletin 1111-G. 1962.

GEOLOGY OF THE CEDAR CITY 1 X 2 DEGREE QUADRANGLE, UTAH. NO DATE.

- NO-10905 Expandable envelope with 52 aerial photographs, many with geologic annotations, covering the Cedar City 1 x 2 degree quadrangle, Utah.

**GEOLOGY OF THE BROAD BROOK QUADRANGLE, CONNECTICUT,
AND THE WEST SPRINGFIELD QUADRANGLE, MASSACHUSETTS
AND CONNECTICUT. NO DATE.**

- NO-10907 Envelope with 14 photographic prints and eight pages of geologic notes and sketches related to rock exposures in quarries and road and rail cuts in the West Springfield, Massachusetts, area.
- MA-02848 Map folder with 32 items:
- topographic map covering part of the Town of West Springfield, Massachusetts, at a scale of 1:2,400.
 - 10 geologic profile diagrams for the Broad Brook, Connecticut, area.
 - five copies of the Broad Brook 7.5' quadrangle, showing sample locations and geologic annotations.
 - two overlays of the Broad Brook 7.5' quadrangle, showing well data.
 - map showing drill hole locations, location unknown.
 - map entitled "Relocation of Conn. 190, Suffield to Enfield".
 - overlay of the West Springfield 7.5' quadrangle, showing lake margin and water level corrections.
 - two soil profile maps along the Hartford to Springfield Expressway.
 - two copies of the West Springfield 7.5' quadrangle, with geologic annotations.
 - north-south topographic and geologic profile of the West Springfield 7.5' quadrangle.
 - five unidentified geologic sketch maps and profile diagrams.
- MA-02849 Map folder with 31 topographic maps (scale 1:2,400), many with geologic annotations, covering the Town of West Springfield, Massachusetts.

Published as: U.S. Geological Survey. Miscellaneous investigations map I-401. 1963.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-434. 1965.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-537. 1966.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-892. 1971.

Published as: U.S. Geological Survey. Open-file report 1509. 1971.

Published as: U.S. Geological Survey. Miscellaneous field studies map MF-451-B. 1973.

Published as: U.S. Geological Survey. Miscellaneous field studies map MF-451-G. 1973.

MISCELLANEOUS GEOLOGIC STUDIES IN MINNESOTA. NO DATE.

- MA-02853 Map folder with 15 items:

- four aerial photo mosaic sheets for Kittson County, Minnesota.
- eight aerial photo mosaic sheets for Marshall County, Minnesota.
- three aerial photo mosaic sheets for Roseau County, Minnesota.