



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

ARTHUR ALAN BAKER

(1897-1996)

NOTES, CORRESPONDENCE, PAPERS

1923 - 1971

(4 linear ft. 17 map folders)

Baker was born in New Britain, Connecticut on October 31, 1897. He received his undergraduate and PhD degrees from Yale University. Baker began working for the USGS in 1921 and retired from his final position as Special Assistant to the Director in 1973 after 52 years in the Survey. Many of his early years were spent on horse back surveying in the Utah mountains searching for coal, oil and natural gas deposits as well as mapping the areas. In 1960 he was awarded the Department of Interior's highest award the Distinguished Service Award.

INVENTORY

by

Carol A. Edwards

Revised and Edited by Glenn S. Cook

U.S. Geological Survey Field Records Library

MS 914, Box 25046, Federal Center

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February 2002

Location of Field Notebooks CS 20-8 & 9

**MANGANESE DEPOSITS OF THE LITTLE GRAND DISTRICT, AND
AREAS TO THE EAST, WEST AND SOUTH. GRAND AND EMERY
COUNTIES, UTAH. 1940.**

<u>Item Number</u>	<u>Description</u>
NO-07582	<p>Expandable envelope with:</p> <p>Folder no. 1 – A.A. Baker. Geologic and stratigraphic notes, some measured sections, notes of specimens taken. Field notes describe various areas, prospects, claims, and mines, including: Desert Rock claim, Black Bird mine, Rabbit Valley, Black King prospect, Salt Valley, Duma Point, Cedar Mountain, CF & I camp, Shinn camp, Lyman claim, Black Hawk claim, Snow prospect. Locations B1-B133, A10-A13, A25-A64;</p> <p>Folder no. 2 – Donald Duncan. Geologic and stratigraphic notes, some sketches, and measured sections, 2 vertical angle books. . Field notes describe various areas, prospects, claims, and mines, including: Eagle claim, Last Chance #2 and #3, Trojan claim, Bear #1 claim, CF & I workings, Big Blanket claim, Mag claim, Black Hawk #2 and #3, Courthouse claim. Locations D3-D153a;</p> <p>Folder #3 – C.B. Hunt. Geologic and stratigraphic notes, measured sections, some sketches, notes of samples collected. Field notes describe various areas, prospects, claims, and mines, including: Eagle claim, Duma Point, Snow prospect, Knight claim, Courthouse claim, Desert Rock claim, Black Boy claim, Black King prospect. Locations H1-H27, B99-B100, B107-B110;</p> <p>Folder #4 – A.M. Hanson. Geologic and stratigraphic notes, measured sections, rod notes – Stations A1-A119. Field notes describe various areas, prospects, claims, and mines, including: Duma Point, Black Spot #1 and #2 claims, Fortune #1 claim, Nettle claim, Autotruck claim.</p>
MA-01322	<p>Map folder with 4 planetable field sheets showing: Blanket vein of manganese at Blackbird claim, Snow Prospect, Black King Prospect, Duma Point, Kanab deposit, Black Hawk claims – all include geologic annotations and various location numbers. Note that one of the field sheets has maps on both front and back.</p>

Published as: U.S. Geological Survey. Bulletin no. 979-B. 1952.

GEOLOGIC STUDIES IN THE WASATCH MOUNTAINS. SALT LAKE, SUMMIT, UTAH, AND WASATCH COUNTIES, UTAH. 1937-1971.

- NO-07567 Strawberry Valley quadrangle. 1937. Field notes by M.N. Bramlette, station locations 1-58; field notes by A.A. Baker, locations 1-120, fossil specimens A1-A25. Includes geologic notes, measured sections, notes of photos taken; vertical angle book used for several traverses and measured sections. Wasatch and Utah Counties, Utah.
- NO-07568 Strawberry Valley quadrangle? 1938. Field notes by John David Love, location numbers L1-L4, D114-D161, K1-K100, H1-H29, fossil specimens 38-69 – 39-218. Includes geologic notes, notes on fossils, notes on photos taken, plus notes by Baker. Field notes also by Eldon Dennis, stations A68-A75, C1-C5, C36-C45, C80-C87. Also, 2-page typed Stratigraphic Section in Left-Hand Fork, Hobble Creek on Granger Ridge, July 26, 2938, by H.J. Bissell. Wasatch and Utah Counties, Utah.
- NO-07569 Strawberry Valley quadrangle and vicinity, 1938. Field notes by A.A. Baker, location numbers D1-D113, A1-A98, C6-C99, E1-E19, fossil locality numbers 38-1 – 38-58; notes on photos taken, plus one vertical angle book. Geologic notes in various areas, including Hobble Creek, Days Canyon, Mapleton Canyon, Little Diamond Creek, Spanish Fork Canyon, Provo Canyon, Lower Wanrhodes, Round Valley Canyon, Halls Canyon, Wardsworth Creek, Strawberry Ridge, Dry Canyon, Little Valley, Weber Canyon. Wasatch and Utah Counties, Utah.
- NO-07570 Wasatch Mountains, Utah. 1939. Field notes by A.A. Baker, location numbers 1-152, fossil localities 39-1 – 39-26; notes on photos taken; 3 vertical angle books. Geologic notes and measured sections in various areas including Midway and vicinity, Dutch Canyon, Provo River, Cottonwood Canyon, Dutch Hollow, Pine Canyon, Rock Canyon, Right Fork Hobble Creek, Kamas Road, Snake Creek and Canyon, Scott Draw, Deer Creek.
- NO-07571 Wasatch Mountains, Utah. 1939. Field notes by A.A. Baker, location nos. 153-513, fossil localities 39-277 – 39-89; notes on photos taken. Geologic notes and measured sections in various areas, including Deer Creek and dam, Scott Draw, Faucett Canyon, Cascade Spring, American Fork, Rock Canyon, Diamond Fork, Manning Canyon, Solder Fork, Charleston, North Fork Salt Creek.
- NO-07572 Wasatch Mountains, Utah. 1939. Field notes by Eldon Dennis, H.J. Bissell, David Griggs, and C.B. Hunt. Location numbers D1-D124, G1-G12, H1-H8; notes on photos taken. Geologic notes and measured sections in various areas including Kirkman's Hollow, Slate Canyon, Kamas Road, Pine Canyon, Scott's Draw and Hollow, Deer Creek, Provo Canyon, Lime Canyon, Midway, Vivian Park, Rock Canyon, Diamond Fork, Strawberry River, and Little Rock Canyon.

- NO-07573 Orem quadrangle, 1940. Field notes by A.A. Baker and D.C. Duncan, location numbers 1-470, fossil localities 40-1 – 40-14; notes on photos taken. Geologic notes and measured sections.
- NO-07574 Timpanogos Cave area, 1947. Field notes by A.A. Baker, assisted by Wilds W. Olive, location numbers 1-697, notes on photos and fossils; geologic and stratigraphic notes in various areas including American Fork Canyon and vicinity, Provo Canyon, and Deer Creek.
- NO-07575 Wasatch Mountains, Timpanogos Cave quadrangle, 1948. Field notes by A.a. Baker assisted by R.R. Clawson, location nos. 1-816, fossil localities 48-1 – 48-36. Geologic notes in various areas including Provo River Canyon, Deer Creek and Deer Creek dam, Wildwood, Rock Canyon, Morgan, Little Rock Canyon, Bear Canyon, Vivian Park, Pole Canyon, American Fork Canyon and vicinity, and Pine Canyon.
- NO-07576 Wasatch Mountains, 1949. Field notes by A.A. Baker, location numbers 1-807, fossil localities 49WB1 – 49WB31, 49B2 - 49B8; notes on photos taken; also, one vertical angle book. Geologic notes in various areas including Provo, Provo River and Canyon, Scott Draw, Pole Canyon, Dry Canyon, Deer Creek, Mill Canyon, American Fork Canyon, Cascade Springs, Wallsburg, Spring Canyon, Rock Canyon, Slate Canyon, Slide Canyon.
- NO-07577 Springville, Spanish Fork Peak and Bridal Veil Falls quadrangles, 1952. Field notes by A.A. Baker, location numbers 1-913; fossil localities 52-1 – 52-43; also, notes on photos taken. Geologic and stratigraphic notes in various areas.
- NO-07578 Wasatch Mountains. Field notes taken by A.A. Baker during brief field trips.
 1951 – Spanish Fork Canyon, Castilla, Springville area, Bartholomew Canyon, Rock Canyon, Pole Canyon, American Fork, location numbers 1-60, fossil localities 49B1, 51B2 – 51B6.
 1955-1960 – American Fork, Box Elder Canyon, Diamond Fork.
 1956 – Location numbers 1-23, American Fork and other areas.
 1957 – Location numbers 1-9, Shaffer Canyon, Mill Canyon, American Fork.
 1958 – Location numbers 1-38, Provo Canyon, Snake Canyon, American Fork.
 1959 – Provo Canyon, location numbers 1-8.
 1960 – Mouth of Dry Canyon, location numbers 1-8, Rock and Pole Canyon areas.
 1962-1964 – Provo, Utah and vicinity. Location numbers 1-31 (1962), numbers 1-69 (1963).
 1971 – Wasatch Mountains notes, Springville quadrangle, Corral Mountain, location numbers 1-46.

NO-07579

Three expandable envelopes with:

folder #1 – 8 aerial photos east of Heber, north of Lake Creek, used in field mapping along Lake Creek, Center Creek quadrangle, A.A. Baker, 1952, photos BPK 7:83-91, dated August 19, 1939;

folder #2 – 9 aerial photographs, east of Heber, north of Lake Creek, Center Creek quadrangle, A.A. Baker, 1952, photos BPK 8:100-108, dated Sept. 13, 1938;

folder #3 – 9 aerial photographs, north from Heber, used for field mapping near Heber, Heber quadrangle, A.A. Baker, 1952, photos BPK 4:197-205, dated August 3, 1938;

folder #4 – 9 aerial photographs, east of Heber, north of Lake Creek, used in field mapping along Lake Creek, Center Creek quadrangle, A.A. Baker, 1952, photos BPK 4:154-162, dated August 4, 1938;

folder #5 – 16 aerial photographs in east-west strip, used in field mapping between Provo Deer Creek near Cascade Springs east to Center Creek – Aspen Grove, Charleston and Center Creek quadrangles, A.A. Baker, 1939 and 1952, photographs GSH 2:99-114, dated July 8, 1939;

folder #6 – 10 aerial photographs in strip from Midway north to Park City used in field mapping in Snake Creek, Pine Canyon, and Dutch Hollow – Brighton and Heber quadrangles, A.A. Baker, 1938, 1939, 1948, 1949, photos BPK 9:09-18, dated September 14, 1928;

folder #7 - 17 aerial photographs used in mapping strip northwest from vicinity of mouth of South Fork Provo River northwest to American Fork between South Fork and Yankee Tram, including parts of Bridal Veil, Aspen Grove, and Timpanogos Cave quadrangles, A.A. Baker, 1939, 1940, 1947, photos GSH 2:41-57, dated July 8, 1939;

folder #8 - 8 aerial photographs used in field mapping in Lime Canyon, Bonner Hollow, and Snake Creek drainage, Brighton quadrangle, A.A. Baker, 1940, 1948, photos GSH 10:01-08, dated October 10, 1939;

folder #9 – 17 aerial photographs in strip from Provo River near Deer Creek dam east to head of Lake Creek, used in field mapping around Deer Creek reservoir, Charleston and Aspen Grove quadrangles, A.A. Baker, 1939, photos GSH 2:118-134, dated July 8, 1939;

folder #10 – 9 aerial photographs from Midway north used in field mapping Midway through Dutch Hollow, Heber quadrangle, A.A. Baker, 1939, 1952, photos BPK 4:108-116, dated August 3, 1938;

folder #11 – 8 aerial photographs used in field mapping, Brighton quadrangle(?), A.A. Baker, 1939?, photos GSH 2:87-94, dated July 8, 1939;

folder #12 – 17 aerial photographs used in mapping strip northwest from Deer Creek dam on Provo River across Aspen Grove and Brighton quadrangles to American Fork Canyon near Dutchman Guard Station, A.A. Baker, 1939-1940, photos GSH 2:61-77, dated July 8, 1939;

folder #13 - 9 aerial photographs used in field mapping in vicinity of Ant Knolls and Upper Snake Creek, Brighton quadrangle, A.A. Baker, 1940, photos GSH 10:9-17, dated October 10, 1939;

folder #14 – 29 aerial photographs along front of mountain range, used in mapping from Rock Canyon north to American Fork Canyon in Bridal Veil Falls, Orem, and Timpanogos Cave quadrangles, A.A. Baker, 1939, 1940, 1947, photos GSH 2:5-33, dated July 8, 1939;

folder #15 – 32 aerial photographs along crest of range used in mapping from Provo Canyon north to American Fork Canyon in Bridal Veil Falls and Timpanogos Cave quadrangles, A.A. Baker, 1939, 1947, photos GSH 1:5-36, dated July 7, 1939;

folder #16 – 27 aerial photographs used in examination of tunnel routes, Diamond Fork and Soldier Fork to Duchesnes River drainage, A.A. Baker and Eldon Dennis, 9/1/39 – 9/9/39. Notes with 1939 Notes on Wasatch Project. Report submitted to Bur. Recl. (sic). Photos ALJ:4380-4384 (dated September 13, 1938); 4396-4399 (dated September 13, 1938); 4522-4527 (dated September 14, 1938); 4537-4543 (dated September 14, 1938); 4631-4634 (September 15, 1938).

NO-07580 Expandable envelope with 2 photomosaic indexes, one Photo Index Portion of Weber River Area, 61 aerial photographs, southeast part of Coalville quadrangle, not used in field mapping. Photographs BPK 4:92-100 (dated Aug. 1, 1938); BPK 4:63-66, 72 (dated August 3, 1938); 6:31-39 (dated August 4, 1938); 7:64-73 (dated August 16, 1939); BPK 8:170-179 (dated September 14, 1938); 10: 83-88, 91 (dated September 18, 1938).

NO-07581 Envelope with southeast section of Brighton 7.5' topographic quadrangle map with location numbers 31-33 for A.A. Baker, 1958.

MA-01312 Map folder with 20 planetable field sheets:
1 – A.A. Baker, 1937-1938 and J.D. Love, July 23, 1938, Strawberry Valley quadrangle, southwest part, field sheet with location numbers and other annotations;
2 – A.A. Baker, J.D. Love, 1937, Strawberry Valley quadrangle, northeast part;
3 – A.A. Baker, 1937, Strawberry Valley quadrangle, southwest part;
4 – A.A. Baker, J.D. Love, M.N. Bramlette, 1937-1938, Strawberry Valley quadrangle, west-central part;
5 – A.A. Baker, 1937-1938, Strawberry Valley quadrangle, southwest corner;
6 – A.A. Baker, J.D. Love, 1938, Strawberry Valley quadrangle, north-central part;
7 – A.A. Baker, J.D. Love, 1938, Strawberry Valley quadrangle, north-central part;
8 – A.A. Baker, J.D. Love, 1938, north edge of Strawberry Valley quadrangle;
9 – A.A. Baker, 1938, Strawberry Valley quadrangle, south-central part;
10 – A.A. Baker, 1938, Strawberry Valley quadrangle, west-central part;
11 – A.A. Baker, J.D. Love, 1938, Strawberry Valley quadrangle, northeast corner;
12 – A.A. Baker, 1938, Strawberry Valley quadrangle, northwest part;
13 – A.A. Baker, 1938, 1952, Strawberry Valley quadrangle, west-central part;
14 – A.A. Baker, 1938, Strawberry Valley quadrangle, northwest part;

15 – A.A. Baker, 1938-1939, Strawberry Valley quadrangle, northwest corner;
 16 – A.A. Baker, 1937, Hobble Creek traverses and stratigraphic notes;
 17 – A.A. Baker, no date, Traverses and stratigraphic notes – Soldier Fork, Monks Hollow, mouth of Diamond Fork;
 18 – A.A. Baker, 1938, Traverses and stratigraphic notes – Left Fork Hobble Creek to Provo Canyon at Vivian Park; Pole Canyon Road;
 19 – A.A. Baker, 1949, Oquirrh section from top of basal limestone along Wallsburg Ridge from Provo River, Bear Canyon to Little Valley;
 20 – A.A. Baker, 1939, Price River Canyon showing locations 1-26; Nugget-Ankareh in Scotts Draw west of Charleston; measure of Manning Canyon shale at head of Rock Canyon; measure of Diamond Fork sandstone and Kirkman limestone near mouth of Kirkman Hollow.

- MA-01313 Aspen Grove quadrangle, Wasatch Mountains. A.A. Baker field sheets, 1948, 1949, 1958, 1960. One preliminary map in 7 pieces, Orem NE quadrangle (now Aspen Grove) topographic base with annotations, including station locations; 1 preliminary topographic map, Orem NE quadrangle, with annotations and station locations; fossil sheet, Aspen Grove 7.5' topographic quadrangle.
- MA-01314 Billies Mountain quadrangle, Wasatch Mountains. A.A. Baker. Paper copy of Billies Mountain 7.5' topographic sheet with fossil localities.
- MA-01315 Bridal Veil Falls quadrangle, Wasatch Mountains. A.A. Baker. Preliminary map in 6 pieces, Orem SE (now Bridal Veil Falls) quadrangle, with annotations including location numbers 1948, 1949, 1963; preliminary map, Bridal Veil Falls quadrangle, with annotations including station locations; cloth-backed preliminary map, Bridal Veil Falls quadrangle, "field sheet 1949-52-63" with annotations and location numbers; Bridal Veil Falls 7.5' topographic quadrangle Fossil Sheet showing fossil localities and other annotations.
- MA-01316 Center Creek quadrangle, Wasatch Mountains. A.A. Baker. Center Creek 7.5' topographic quadrangle Fossil Sheet with fossil localities and other annotations; Charleston 7.5' topographic quadrangle Fossil Sheet with fossil localities and other annotations; Granger Mountain 7.5' topographic quadrangle Fossil Sheet with fossil localities and other annotations; Heber quadrangle southwest corner, field sheet, 1958, with station locations 29 and 30.
- MA-01317 Orem quadrangle. A.A. Baker. Four sections of Orem 7.5' quadrangle: east-central and northeast corner, both field sheets, dated 1948 and 1949; southeast corner and north central part, both field sheets, 1948, 1949, 1960 – all with annotations and location numbers; preliminary map of Orem 7.5' quadrangle with annotations including location numbers; Orem 7.5' topographic quadrangle Fossil Sheet with fossil localities and other annotations.
- MA-01318 Spanish Fork Peak quadrangle. A.A. Baker. Preliminary map, Spanish Fork Peak 7.5' quadrangle with annotations and location numbers; cloth-backed preliminary

map, Spanish Fork Peak 7.5' quadrangle, field sheet for 1951 and 1952, includes annotations and location numbers; Spanish Fork Peak 7.5' topographic quadrangle Fossil Sheet with fossil localities and other annotations.

MA-01319 Springville quadrangle. A.A. Baker. Cloth-backed preliminary map, Springville quadrangle field map, showing location numbers and other annotations, for 1949, 1962 and 1971; Springville 7.5' topographic quadrangle, revised, Fossil Sheet with fossil localities and other annotations, 1972.

MA-01320 Timpanogos Cave quadrangle. A.A. Baker. Cloth-backed preliminary map, Timpanogos Cave 7.5' quadrangle field sheet with location numbers and other annotations, 1948; preliminary map, Timpanogos Cave 7.5' quadrangle field sheet with location numbers and other annotations, 1949; Timpanogos Cave 7.5' quadrangle Fossil Sheet with localities.

MA-01321 Twin Peaks 7.5' topographic quadrangle Fossil Sheet with fossil localities and other annotations; Wallsburg Ridge 7.5' topographic quadrangle Fossil Sheet with fossil localities and other annotations – both by A.A. Baker.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-132. 1961.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-239. 1964.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-241. 1964.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-534. 1966.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-864. 1970.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-998. 1972.

Published as: U.S. Geological Survey. Geologic quadrangle map GQ-1103. 1973.

Published as: U.S. Geological Survey. Miscellaneous Investigations Series Maps I-931. 1976.

Published as: U.S. Geological Survey. Open-file Report 72-0009. 1972.

GREEN RIVER DESERT, CATARACT CANYON, EMERY, WAYNE AND GARFIELD COUNTIES, UTAH. 1930-1931.

NO-10072 Field notes by Baker.

NO-10073 Traverse records by Baker

NO-10074 Traverse records by Knechtel.

- NO-10075 Field notes by Eardley
- NO-10076 Traverse records by Eardley
- NO-10077 Field notes by Curry
- NO-10078 Traverse records by Curry
- NO-10079 Field notes by Henbest
- NO-10080 Traverse records by Henbest
- NO-10081 Traverse records by Baker
- NO-10082 Traverse records by Gardner
- NO-10083 Traverse records by Miller
- NO-10084 Traverse records by Andrews
- NO-10085 Traverse records by Baker
- MA-02559 21 original plane table sheets

GEOLOGY HORSE CANYON AND SALINA CANYON, UTAH. 1923-1926.

- NO-10086 Notebook of stratigraphic sections Carbon, Emery and Grand Counties, Utah by Fisher, Moses and Owen.
- MA-02560 Field sheets 1 and 2 Book Cliffs, Horse Canyon district by Spieker, triangulation sheet 2 Salina Canyon by Spieker, field sheets 1-3 Salina Canyon by Baker.

GEOLOGY MOAB DISTRICT, UTAH. 1926-1927.

- NO-10059 Field notebook by Baker
- NO-10060 Field notebook by Baker
- NO-10061 Traverse records by Baker
- NO-10062 Traverse records by Brewer
- NO-10063 Traverse records by Hansen

- NO-10064 Traverse records by Baker
- NO-10065 Traverse records by Baker
- NO-10066 Traverse records by Theis
- NO-10067 Traverse records and field notes by Goldmen
- NO-10068 Field notes by Clark
- NO-10069 Traverse records by Clark
- NO-10070 Field notes by Theis
- NO-10071 Field notes by Baker
- MA-02561 Plane table sheets and structure contour map work sheets.

Published as: U.S. Geological Survey. Bulletin 841. 1933.

GEOLOGY OF GRAND AND SAN JUAN COUNTIES, UTAH. 1931.

- MA-02562 Geologic structure of portions of Grand and San Juan counties.

NAVAJO MOUNTAIN, MONUMENT VALLEY, UTAH. 1928.

- NO-10050 Field notes by Baker
- NO-10051 Traverse records by Baker
- NO-10052 Notes and elevations by Kelley
- NO-10053 Traverse records by Kelley
- NO-10054 Field notes by Clark
- NO-10055 Traverse records by Clark
- NO-10056 Field notes by Reeside
- NO-10057 Field notes and traverse records by Snow
- NO-10058 Field notes and traverse records by Larsen

MA-02563 Plane table sheets and structure contour map work sheet.

Published as: U.S. Geological Survey. Bulletin 865. 1936.

**NORTHWARD EXTENSION OF SHERIDAN COAL FIELD, MONTANA.
1924.**

NO-10036 Level notes by Clark
NO-10037 Level notes by Clark
NO-10038 Level notes by Torrey
NO-10039 Level notes by Torrey
NO-10040 Geologic notes by Baker
NO-10041 Geologic notes by Baker
NO-10042 Geologic notes by Stone
NO-10043 Geologic notes by Stone
NO-10044 Geologic notes by Torrey
NO-10045 Notes on T 8 S Rs 40-43 E. by Erdmann and Baker
NO-10046 Notes on Ts 9 and 10 S Rs 40-43 E by Erdmann and Baker
NO-10047 Columnar sections, triangulation level notes and traverse diagrams
NO-10048 Notes on T 6 S Rs 42-43 E and T 7 S Rs 41-43 E by Erdmann and Baker
MA-02564 33 plane table sheets

Published as: U.S. Geological Survey. Bulletin 806-B. 1929.

COAL IN NORTH FERGUS COUNTY, MONTANA. 1924.

NO-10087 Notes on coal in Ts 20-23 N Rs 18-22 E