

# **Homestake Survey Records 5019**

**Finding aid prepared by Hannah Marshall Bawden**

---

This finding aid was produced using the Archivists' Toolkit

July 11, 2019

Rules for Archival Description

Homestake Adams Research and Cultural Center

July 2019

Deadwood History, Inc.

150 Sherman Street

Deadwood, South Dakota, 57732

(605) 722-4800

## Table of Contents

---

<u>Summary Information</u> .....	3
<u>Biographical/Historical Note</u> .....	4
<u>Scope and Contents Note</u> .....	4
<u>Arrangement Note</u> .....	5
<u>Administrative Information</u> .....	6
<u>Related Materials</u> .....	6
<u>Other Finding Aids note</u> .....	6
<u>Collection Inventory</u> .....	8
<u>Series I: Survey Field Notes and Computations</u> .....	8
<u>Series II: Survey Worksheets and Cards</u> .....	45
<u>Series III: Survey Correspondence, Reports and Information Booklets</u> .....	47
<u>Series IV: Aerial Surveys</u> .....	49

## Summary Information

---

<b>Repository</b>	Homestake Adams Research and Cultural Center
<b>Creator</b>	Abrahams Aerial Survey Corp.
<b>Creator</b>	Aero Service Corp.
<b>Creator</b>	Allan Spector and Associates Limited
<b>Creator</b>	Homestake Mining Company
<b>Creator</b>	United States. Bureau of Mines
<b>Title</b>	Homestake Survey Records
<b>Date [bulk]</b>	Bulk, 1881-1993
<b>Date [inclusive]</b>	1877-2001
<b>Extent</b>	56.25 Linear feet
<b>Language</b>	English
<b>Abstract</b>	<p>The Homestake Survey Records are an artificial collection consisting primarily of survey and field books dating from 1877 to 1986. The collection also includes data and worksheets, survey cards, correspondence, and several aerial photographs.</p>

## Biographical/Historical Note

---

Mine surveying includes the measurement, calculation, and mapping of both the surface and underground levels to document information at all stages of the mining process (prospecting to profit). Founded in 1877 in Lead, South Dakota, Homestake Mining Company conducted surveys of different varieties for all 124 years of its operation.

Surface surveys were utilized to stake mining and timber claims, mark boundaries, determine grades for ditches, flumes, pipelines, and railroads, and set baselines. In November 1879 Richard Blackstone, the chief engineer for Homestake, established the baseline, coordinate, and triangulation systems that all subsequent surveys were based off.

Surveys were transferred from the surface to the underground levels either by creating a new tunnel or hanging wires down vertical shafts. When done correctly, the underground coordinates were then in relation to the surface boundaries and buildings. Homestake's extensive use of surveys meant that errors in measurements and coordinates rarely occurred.

The records of the earliest surveys were written in field books by the various surveyors and their crews who would then return to the office to carry out computations and create maps for use by the company. Usually, these men were part of the Engineering Office and had other tasks to complete beyond surveying. As Homestake continued to grow, the need for employees solely focused on surveying became apparent. The company developed a Survey Office with employees dedicated to going into the field to carry out surveys and employees dedicated to processing the information brought back from those surveys.

Technology and surveying equipment rapidly improved in the late 19th and early 20th century and Homestake began to utilize numerous new instruments and methods including aerial photography in the 1930s and technical programs such as Winsurv in the late 1980s. By the 1950s the company also began to hire survey companies on contract to complete surveys that were unusually large in scale, outside of the Black Hills area, or required specialized equipment.

---

## Scope and Contents Note

---

This collection includes the records of surveys conducted by several departments of the Homestake Mining Company including the Surveying Office, Engineering Office, and the Timber Department as well as records from independent contractor surveys.

**Series I Survey Field Notes and Computations** consists of notes from land, mineral, timber, and water surveys. Computation books and triangulation sketches are also found in this series. Of particular note is a 1977 overview of the shorthand used in survey books. This series makes up the bulk of the collection.

**Series II Survey Worksheet and Cards** consists of several boxes of computer-generated data and worksheets of underground surveys, land survey triangulation cards, and drill hole surveys. The bulk of this collection dates from the mid-1970s to the early 1990s.

**Series III Survey Correspondence, Reports, and Information Booklets** consists of several folders of correspondence between the federal government and Homestake as well as internal communication dating from the late 1880s through 1899. Completed reports from companies carrying out surveys for the Homestake Mining Company as well as published works by Homestake employees can also be found in this series, with a focus on Induced Polarization and Magnetometer surveying.

**Series IV Aerial Surveys** consists of aerial photographs taken by several different companies in the Black Hills areas of South Dakota and Wyoming. A large amount of material related to the H.M. Jenks v. Homestake Mining Company case is found in this series.

## Arrangement Note

---

This collection has been arranged into four series. Documents originally housed in binders have been rehoused for preservation purposes but retain their original labels. Whenever possible original order was maintained. Oversize items, some photographs, and fragile volumes have been housed separately from the collection and are described by separation notes.

**Series I Survey Field Notes and Computations** has been arranged into sub-series to reflect original order of the materials when received from Homestake Mining Company.

**Sub-Series 1 Survey and Computation Books:** These books have been arranged by the number given by Homestake. See box list for information.

**Sub-Series 2 Survey Books and Fields:** Items with alpha-numeric numbers from Homestake have been arranged in alpha-numeric order. Remaining items have been arranged by type and thereunder chronologically. See box list for more information.

**Series II Survey worksheets and Cards:** Items have been arranged by type and thereunder by level. See box list for more information.

**Series III: Correspondence, Reports, and Information Booklets:** Items have been arranged by subject and thereunder chronologically. See box list for more information.

**Series IV Aerial photos:** See box list for more information.

## **Administrative Information**

---

### **Publication Information**

Homestake Adams Research and Cultural Center July 2019

### **Conditions Governing Access**

This collection is housed at the Homestake Adams Research and Cultural Center with no restrictions to access. The collection may be utilized during normal operating hours or by appointment.

### **Processing Information**

This collection was processed March 2019 - July 2019 by Hannah Marshall Bawden. Assistance provided by Claudia Howell, Jim Petersen, and Randi Sue Smith.

---

## **Related Materials**

---

### **Related Materials**

Additional archival materials related to the Homestake Survey Records can be found in the Homestake Mining Company Collection including the following: Homestake Map Collection, 5000 Homestake Vested Water Rights Collection, 5001 Homestake Mine Engineer Files, 5002 Homestake Timber Contracts Paperwork, 5018 Bureau of Mines Publications, Diamond Drill Records, Stope and Plug Records, Assay Records and James A. Noble maps.

### **Separated Materials**

Separation notes within the collection describe items housed separately from the collection due to size or preservation issues. These include photographs, books, and maps.

---

## **Other Finding Aids note**

---

An index of survey books describing their contents is available in Excel Spreadsheet format at the Homestake Adams Research Center.

## Series I: Survey Field Notes and Computations

**Collection Inventory**

<b>Series I: Survey Field Notes and Computations 1877-1992</b>		
<b>Sub-Series 1: Survey and Computation Books 1907-1983, Undated</b>		
	<b>Box</b>	<b>Folder</b>
R.S. Fraser No. 1 (Book 1), 1922-1927	1	1
R.S. Fraser No. 1 (Book 2), 1928-1930	1	2
Reilly No. 2 (Book 3), 1930	1	3
Peter D. Capp No. 1 (Book 4), 1931-1932	1	4
Fluker No.1 (Book 5), 1931-1939	1	5
R. Lee No. 1 (Book 6), 1932	1	6
Yates Book #1 Warren (Book 7), 1932-1934	1	7
R. Lee No. 2 Surface Survey (Book 8), 1933	1	8
Yates Warren Book No. 2 (Book 9), 1933-1934	1	9



## Sub-Series 1: Survey and Computation Books

P.D. Cappa No. 2 (Book 10), 1933-1934	1	10
Shoaf Book No. 1 (Book 11), 1934	1	11
R. Regan (Book 12), 1934	1	12
R. Lee No. 3 Surface Survey (Book 13), 1934	1	13
Reilly (Book 14), 1934-1935	1	14
C.A. Polley No. 1 (Book 15), 1934-1935	1	15
Savidge No. 1 (Book 16), 1934-1936	1	16
R. Lee No. 4 Surface Survey (Book 17), 1934-1936	1	17
L.G. Warren Book 3 Surface Survey (Book 18), 1934-1936	1	18
H.J. Sliper No. 1 (Book 19), 1934-1938	2	1
Shoaf No. 2 (Book 20), 1935	2	2
C.A. Polley No. 2 (Book 21), 1935-1938	2	3
R. Lee No. 5 Surface Survey (Book 22), 1936	2	4
S. Berry and R.S. Fraser Ties to Alert Lot ( Book 23), 1936	2	5

## Sub-Series 1: Survey and Computation Books

A. Mastrovich Book 1 (Book 24), 1937	2	6
A. Mastrovich No. 2 (Book 25), 1937	2	7
P.D. Cappa No. 3 (Book 26), 1937-1938	2	8
P.D. Cappa No. 4 (Book 27), 1937-1938	2	9
Richardson Book 1 (Book 28), 1938	2	10
P.D. Cappa No. 4 (Book 29), 1938	2	11
P.D. Cappa No. 6 (Book 30), 1938	2	12
P.D. Cappa No. 7 Spearfish Canyon Survey (Book 31), 1938	2	13
Middleton Book 1 (Book 32), 1938-1939	2	14
Fraser, Sliper, Berry Book 4 (Book 33), 1938-1939	2	15
C.A Polley No. 3 (Book 34), 1938-1941	2	16
Harold Sliper No. 2 Yates Shaft (Book 35), 1938-1942	2	17
Harold Sliper No. 3 (Book 36), 1938-1942	2	18
P.D. Cappa No. 8 (Book 37), 1939-1941	2	19

## Sub-Series 1: Survey and Computation Books

D.M "Slapsy" Middleton No. 2 (Book 38), 1940	2	20
Mastrovich Book 6 (Book 39), 1940	2	21
P.D. Cappa No. 10 (Book 40), 1941-1942	2	22
Harold J. Siper No. 4 (Book 41), 1941-1947	3	1
L.G. Warren Vanadium No. 1 (Book 42), 1942-1943	3	2
A.B. Mitchell (Book 43), 1942-1943	3	3
Warren (Book 44), 1943	3	4
Lyle G. Warren Book #10 (Book 45), 1944	3	5
E.B. Velzy No. 1 (Book 46), 1946	3	6
E.B. Velzy No. 2 (Book 47), 1947-1949	3	7
Lewis Morcom No. 1 (Book 48), 1948	3	8
Lewis Morcom No. 2 (Book 49), 1948-1950	3	9
E.B. Velzy No. 3 (Book 50), 1948-1950	3	10
Lewis Morcom A (Book 51), 1950	3	11

## Sub-Series 1: Survey and Computation Books

Lewis Morcom No. 3 (Book 52), 1950-1951	3	12
Lyle G. Warren Bk 12 (Book 53), 1950-1952	3	13
Velzy No. 4 (Book 54), 1951	3	14
L.W. Morcom (Book 55), 1951-1953	3	15
Warren Book 13 (Book 56), 1952-1954	3	16
Unidentified Survey and Compilation Book (Book 57), 1952-1954	3	17
L.W. Morcom No. 5 (Book 58), 1954-1958	3	18
L.W. Morcom No. 6 (Book 59), 1955-1957	3	19
C.N. Heinen No.1 (Book 60), 1955-1957	3	20
Warren #14 (Book 61), 1955-1960	3	21
R.H. Richards No. 22 (Book 62), 1957	3	22
C.N. Heinen No. 2 (Book 63), 1957-1958	3	23
C.N. Heinen No. 3 (Book 64), 1957-1959	3	24
R.H. Richards No. 21 (Book 65), 1957-1960	4	1

## Sub-Series 1: Survey and Computation Books

R.H. Richards No. 23 (Book 66), 1958	4	2
R.H. Richards No. 24 (Book 67), 1958	4	3
C.N. Heinen No. 4 (Book 68), 1959	4	4
R.H. Richards No. 25 (Book 69), 1959	4	5
C.N. Heinen No. 5 (Book 70), 1959-1960	4	6
C.N. Heinen No. 7 (Book 71), 1960	4	7
C.N. Heinen No. 6 (Book 72), 1960	4	8
C.N. Heinen No. 8 (Book 73), 1960-1961	4	9
C.N. Heinen No. 9 (Book 74), 1961	4	10
HEM No. 1 (Book 75), 1961-1962	4	11
C.N. Heinen No. 10 (Book 76), 1961-1962	4	12
Golden Gate Permits (Book 77), 1961-1962	4	13
HEM No. 2 (Book 78), 1962-1963	4	14
C.N. Heinen No. 11 (Book 79), 1962-1963	4	15

## Sub-Series 1: Survey and Computation Books

C.N. Heinen No. 12 (Book 80), 1963-1964	4	16
HEM No. 3 (Book 81), 1963-1966	4	17
C.N. Heinen No. 13 (Book 82), 1964	4	18
C.N. Heinen No. 14 (Book 83), 1964-1966	4	19
C.N. Heinen No. 15 (Book 84), 1966	4	20
HEM No. 4 (Book 85), 1966-1968	4	21
C.N. Heinen Book 16 (Book 86), 1967-1968	4	22
C.N. Heinen No. 18 (Book 87), 1967-1970	4	23
C.N. Heinen No. 17 (Box 88), 1968	5	1
HEM No. 5 (Book 89), 1968 -1971	5	2
C.N. Heinen Private Surveys (Book 90), 1968 -1973	5	3
C.N. Heinen No. 19 (Book 91), 1970 - 1972	5	4
Book No. 20 (Book 93), 1972-1973	5	6
C.N. Heinen No. 21 (Book 94), 1973 -1974	5	7

## Sub-Series 1: Survey and Computation Books

C.N. Heinen Unnumbered (Book 92), 1971-1974	5	5
C.N. Heinen No. 22 (Book 95), 1974 -1975	5	8
C.N. Heinen Spearfish Sawmill (Book 96), 1974 -1976	5	9
Book 23 and Pollution Dam Surveys (book 97), 1975 -1976	5	10
C.N. Heinen Private Book 7 (Book 98), 1976 -1976	5	11
Survey 24 (Book 99), 1976 - 1980	5	12
C.N. Heinen No. 25 (Book 100), 1980 - 1983	5	13
C.N. Heinen No. 26 (Book 101), 1983	5	14
Townships Mastrovich (Book 102), Undated	5	15
Central City (Book 103), Undated	5	16
Robertson No. 6 Spearfish Canyon Cabins (Book 104), Undated	5	17
P.D. Cappa No. 9 Spearfish Canyon Claims (Book 105), Undated	5	18
Mastrovich #3 (Book 106), Undated	5	19
Mastrovich #4 Spearfish Canyon (Book 107), Undated	5	20

## Sub-Series 1: Survey and Computation Books

Mastrovich #5 Townships (Book 108), Undated	5	21
Mastrovich No. 7 (Book 109), Undated	5	22
Moskee Surveys & Spearfish Sawmill Computations (Book 110), Undated	6	1
Powder River Wyoming (Book 111), Undated	6	2
Book 3 (Book 112), Undated	6	3
Unidentified Surveys (Book 113), Undated	6	4
Misc. Survey and Compilation (Book 114), 1925	6	5
Miscellaneous #2 (Book 115), 1921	6	6
Misc. #3 Aerial Tramway (Book 116), 1907-1908	6	7
Bill Anderson No. 1 (Book 117), 1956 -1958	6	8
Bill Anderson No. 2 (Book 118), 1958 -1959	6	9
Roger Andrews and Melvin Hill (Book 119), 1978 -1981	6	10
Bob Boppe No. 2 (Book 120), 1960 -1962	6	11
Bob Boppe No. 3 Ronald Lacroix No. 1 (Book 121), 1962 -1964	6	12



**Sub-Series 1: Survey and Computation Books**

---

Bud Bradley No. 1 (Book 122), 1930 -1931	6	13
Bud Bradley No. 2 (Book 123), 1931-1932	6	14
Bud Bradley No. 3 (Book 124), 1932-1933	6	15
Bud Bradley No. 4 (Book 125), 1933-1934	6	16
Bud Bradley No. 6 (Book 126), 1933	6	17
Bud Bradley No. 7 (Book 127), Undated	6	18
Bud Bradley No. 8 (Book 128), 1939	6	19
Bud Bradley No. 9 (Book 129), Undated	6	20
Bud Bradley No. 11 (Book 130), 1946	6	21
Bud Bradley No. 12 (Book 131), 1948	6	22
Bud Bradley No. 13 (Book 132), 1948	6	23
Bud Bradley No. 14 (Book 133), Undated	6	24
Bud Bradley No. 10 (Book 134), Undated	6	25
C.A. Brooks Scrapbook 1 (Box 135), 1913	6	26

## Sub-Series 1: Survey and Computation Books

C.A. Brooks Scrapbook No. 2 (Book 136), 1913-1914	7	1
C.A. Brooks Scrapbook No. 3 (Book 137), 1914	7	2
C.A. Brooks Scrapbook No. 4 (Book 138), 1914-1915	7	3
W.C. Campbell No. 1 (Book 139), 1930-1931	7	4
W.C. Campbell No. 2 (Book 140), 1932	7	5
W.C. Campbell No. 3 (Book 141), 1932-1933	7	6
W.C. Campbell No. 4 (Book 142), 1933-1934	7	7
W.C. Campbell No. 5 (Book 143), 1934-1937	7	8
W.C. Campbell No. 6 (Book 144), 1937-1938	7	9
W.C. Campbell No. 7 (Book 145), 1938	7	10
W.C. Campbell No. 8 (Book 146), 1939-1941	7	11
W.C. Campbell No. 9 (Book 147), 1939-1941	7	12
W.C. Campbell No. 10 (Book 148), 1941-1945	7	13
W.C. Campbell No. 11 (Book 149), 1945-1947	7	14

## Sub-Series 1: Survey and Computation Books

W.C. Campbell No. 12 (Book 150), 1947-1948	7	15
W.C. Campbell No. 13 (Book 151), 1948	7	16
W.C. Campbell and G. Beardshear Surface Survey (Book 152), 1929-1931	7	17
W.C. Campbell C-1 Surface Surveys (Book 153), 1928-1931	7	18
George Dahl No. 2 (Book 154), 1978-1980	7	19
George Dahl No. 3 (Book 155), 1980	7	20
H.E. Dalton No. 1 (Book 156), 1918-1920	7	21
H.E. Dalton No. 2 (Book 157), 1920	7	22
H.E. Dalton Water Volumes-Fire (Book 158) 1919	7	23
Donald Delicate No.1, Holmes No.2, Philip Montamble No. 1 (Book 159), 1948-1950	7	24
Kirby Denton No. 1 (Book 160), 1971-1974	7	25
Kirby Denton No. 2 (Book 161), 1974-1977	8	1
Kirby Denton No. 3 (Book 162), 1977-1979	8	2

## Sub-Series 1: Survey and Computation Books

Lynn Denton No. 1 (Book 163), 1977-1980	8	3
A. Elvestrom No. 1 (Book 164), 1955	8	4
A. Elvestrom No. 2 (Book 165), 1956-1958	8	5
A. Elvestrom No. 3 (Book 166), 1958-1961	8	6
A. Elvestrom No. 4 (Book 167), 1961-1963	8	7
A. Elvestrom No. 5 (Book 168), 1963-1965	8	8
A. Elvestrom No. 6 (Book 169), 1965-1967	8	9
A. Elvestrom No. 7 John Narem No. 1 (Book 170), 1967-1973	8	10
Dan Epperly No. 1 (Book 171), 1956-1958	8	11
Dan Epperly No. 2, Gene Byrum No. 1, Robert Boppe No. 1 (Book 172), 1958-1960	8	12
Charles Evans No. 1 (Book 173), 1932-1933	8	13
Charles Evans No. 2 (Book 174), 1933-1934	8	14
Charles Evans No. 3 (Book 175), 1934-1936	8	15

## Sub-Series 1: Survey and Computation Books

Charles Evans No. 4 (Book 176), 1935-1938	8	16
Charles Evans No. 5 (Book 177), 1936-1937	8	17
Fluker No. 2 (Book 178), 1939	8	18
Fluker No. 3 (Book 179), 1939	8	19
Bud Fogelsong Surface Surveys (Book 180), 1927	8	20
Ray Friskey No. 1 (Book 181), 1957-1960	8	21
Ray Friskey No. 2 (Book 182), 1960-1962	8	22
Ray Friskey No. 3 (Book 183), 1962-1964	8	23
Ray Friskey No. 4 (Book 184), 1964-1967	8	24
Ray Friskey No. 5 (Book 185), 1967-1969	8	25
Sam Grover No. 1 (Book 186), 1966-1969	9	1
Sam Grover No. 2 (Book 187), 1969	9	2
Sam Grover No. 3, Dahl No. 1 (Book 188), 1973-1978	9	3
Melvin Hill No. 2 (Book 189), 1981	9	4

**Sub-Series 1: Survey and Computation Books**

---

Francis Hoffman No. 3 (Book 190), 1951-1952	9	5
Francis Hoffman No. 4 (Book 191), 1952-1953	9	6
Francis Hoffman No. 5 (Book 192), 1953-1954	9	7
T.G. Houston No. 1 (Book 193), 1924-1925	9	8
T.G. Houston No. 2 (Book 194), 1925-1927	9	9
T.G. Houston No. 3 (Book 195), 1927	9	10
T.G. Houston No. 4 (Book 196), 1927-1928	9	11
T.G. Houston No. 5 (Book 197), 1928-1929	9	12
T.G. Houston No. 6 (Book 198), 1929-1930	9	13
T.G. Houston No. 7 (Book 199), 1930-1931	9	14
T.G. Houston No. 8 (Book 200), 1931	9	15
T.G. Houston No. 9 (Book 201), 1932-1933	9	16
T.G. Houston No. 10 (Book 202), 1933-1935	9	17
T.G. Houston No. 11 (Book 203), 1933-1943	9	18

## Sub-Series 1: Survey and Computation Books

T.G. Houston No. 12 (Book 204), 1935-1939	9	19
Paul Istratescu No. 1 (Book 205), 1955-1956	9	20
Edward F. Jacobson No. 1 , Ralph Mattson No.1 (Book 206), 1950-1951	9	21
Louis C. Jennerjahn No. 1 (Book 207), 1951-1952	9	22
Louis C. Jennerjahn No. 1 (Book 207), 1951-1952	9	23
Louis C. Jennerjahn No. 3 (Book 209), 1954-1955	10	1
Louis C. Jennerjahn No. 4 (Book 210), 1955-1957	10	2
Louis C. Jennerjahn No. 5 (Book 211), 1957	10	3
Louis C. Jennerjahn No. 6 (Book 212), 1958	10	4
Louis C. Jennerjahn No. 7 (Book 213), 1961-1963	10	5
Louis C. Jennerjahn No. 8 (Book 214), 1963-1966	10	6
Louis C. Jennerjahn No. 9 (Book 215), 1966-1969	10	7
Louis C. Jennerjahn No. 10 (Book 216), 1969-1975	10	8
Louis C. Jennerjahn No. 11 (Book 217), 1973-1978	10	9

## Sub-Series 1: Survey and Computation Books

Francis Hoffman No. 2 (Book 218), 1949	10	10
Francis King No. 1, Francis Hoffman No. 1 (Book 219), 1948-1949	10	11
M.J. Konantz No. 1 (Book 220), 1946	10	12
Ronnie LaCroix No. 2 (Book 221), 1964-1965	10	13
Lease No. 2 (Book 222), 1924	10	14
Ed Ledyard No. 1 (Book 223), 1947-1948	10	15
Billy Limbo No. 2 (Book 224), 1981	10	16
Pete Maynard No. 1 (Book 225), 1959-1961	10	17
Pete Maynard No. 2 (Book 226), 1961-1963	10	18
Pete Maynard No. 3 (Book 227), 1963-1965	10	19
Pete Maynard No. 4, Dean Pock No. 1 (Book 228), 1965-1967	10	20
Bill Mitchell No. 1 (Book 229), 1946	10	21
Bill Mitchell No. 2 (Book 230), 1942-1948	10	22
Bud Mitchell No. 1 (Book 231), 1942-1948	10	23



## Sub-Series 1: Survey and Computation Books

Bud Mitchell No. 2 (Book 232), 1947-1948	10	24
Bud Mitchell No. 3 (Book 233), 1948-1950	10	25
Bud Mitchell No. 4 (Book 234), 1949-1951	10	26
Bud Mitchell No. 5 (Book 235), 1951-1952	10	27
Bud Mitchell No. 6 (Book 236), 1952-1954	11	1
Bud Mitchell No. 7 (Book 237), 1954-1957	11	2
Bud Mitchell No. 8 (Book 238), 1955-1959	11	3
Bud Mitchell No. 9 (Book 239), 1957	11	4
Bud Mitchell No. 10 (Book 240), 1959-1967	11	5
Bud Mitchell No. 11 (Book 241), 1967-1971	11	6
Bud Mitchell No. 12 (Book 242), 1971-1976	11	7
John Narem No. 2 (Book 243), 1973-1977	11	8
John Narem No. 3 (Book 244), 1977-1980	11	9
John Narem No. 4 (Book 245), 1980	11	10

## Sub-Series 1: Survey and Computation Books

Jerry Nelson No. 1 (Book 246), 1974-1977	11	11
James Palmer No. 1 (Book 247), 1954	11	12
James Palmer No. 2 (Book 248), 1956	11	13
Virgil Palmer No. 1 (Book 249), 1952	11	14
Virgil Palmer No. 2 (Book 250), 1953-1955	11	15
Virgil Palmer No. 3 (Book 251), 1955-1957	11	16
Virgil Palmer No. 4 (Book 252), 1957-1959	11	17
Virgil Palmer No. 5 (Book 253), 1959-1961	11	18
Virgil Palmer No. 6 (Book 254), 1961-1963	11	19
Virgil Palmer No. 7 (Book 255), 1963-1965	11	20
Virgil Palmer No. 8 (Book 256), 1965-1966	11	21
Virgil Palmer No. 9 (Book 257), 1966-1969	11	22
Virgil Palmer No. 10 (Book 258), 1969-1973	11	23
Virgil Palmer No. 11 (Book 259), 1973	11	24

## Sub-Series 1: Survey and Computation Books

Jason S. Park No. 1 (Book 260), 1931-1953	11	25
Jason S. Park No. 2 (Book 261), 1933-1935	12	1
Jason S. Park No. 3 (Book 262), 1935-1937	12	2
J.F. Peters Surface Survey (Book 263), 1921	12	3
J.F. Peters No. 1 (Book 264), 1913	12	4
J.F. Peters No. 2 (Book 265), 1914-1915	12	5
J.F. Peters No. 3 (Book 266), 1915	12	6
J.F. Peters No. 4 (Book 267), 1916	12	7
J.F. Peters No. 6 (Book 268), 1923	12	8
J.F. Peters No. 7 (Book 269), 1927	12	9
K. Deane Pock No. 2 (Book 270), 1967-1971	12	10
K. Deane Pock No. 3 (Book 271), 1971-1975	12	11
K. Deane Pock No. 4 (Book 272), 1975	12	12
R.E. Reilly No. 1 (Book 273), 1919	12	13

## Sub-Series 1: Survey and Computation Books

R.E. Reilly No. 2 (Book 274), 1919-1921	12	14
R.E. Reilly No. 3 (Book 275), 1920-1922	12	15
R.E. Reilly No. 4 (Book 276), 1922	12	16
R.H. Richards No. 1 (Book 277), 1926-1927	12	17
R.H. Richards No. 4 (Book 278), 1928-1929	12	18
R.H. Richards No. 5 (Book 279), 1933	12	19
R.H. Richards No. 6 (Book 280), 1934-1937	12	20
R.H. Richards No. 7 (Book 281), 1936-1938	12	21
R.H. Richards No. 8 (Book 282), 1938	12	22
R.H. Richards No. 9 (Book 283), 1938	12	23
R.H. Richards No. 10 (Book 284), 1940	12	24
R.H. Richards No. 11 (Book 285), 1940	12	25
R.H. Richards No. 12 (Book 286), 1941	12	26
R.H. Richards No. 13 (Book 287), 1949-1950	13	1

## Sub-Series 1: Survey and Computation Books

R.H. Richards No. 14 (Book 288), 1952-1953	13	2
R.H. Richards No. 15 (Book 289), 1951-1952	13	3
R.H. Richards No. 16 (Book 290), 1952-1953	13	4
R.H. Richards No. 17 (Book 291), 1953-1954	13	5
R.H. Richards No. 18 (Book 292), 1955-1956	13	6
R.H. Richards No. 19 (Book 293), 1956-1957	13	7
R.H. Richards No. 20 (Book 294), 1956-1957	13	8
R.C. Robertson No. 1 (Book 295), 1938	13	9
R.C. Robertson No. 2 (Book 296), 1938	13	10
R.C. Robertson No. 3 (Book 297), 1939-1941	13	11
R.C. Robertson No. 4 (Book 298), 1941	13	12
R.C. Robertson No. 5 (Book 299), 1942	13	13
Bill Robinson No. 1 (Book 300), 1974-1979	13	14
Bill Robinson No. 2 (Book 301), 1979-1981	13	15

## Sub-Series 1: Survey and Computation Books

Bill Robinson No. 3 (Book 302), 1981	13	16
Alfred Rogers No. 1 (Book 303), 1922-1923	13	17
Alfred Rogers No. 2 (Book 304), 1923-1925	13	18
Alfred Rogers No. 3 (Book 305), 1925-1926	13	19
Alfred Rogers No. 4 (Book 306), 1926-1927	13	20
Alfred Rogers No. 5 (Book 307), 1927-1928	13	21
Alfred Rogers No. 6 (Book 308), 1929-1929	13	22
Alfred Rogers No. 7 (Book 309), 1929-1931	13	23
Alfred Rogers No. 8 (Book 310), 1931-1932	13	24
Alfred Rogers No. 9 (Book 311), 1932	13	25
Alfred Rogers No. 10 (Book 312), 1933-1935	13	26
Alfred Rogers No. 12 (Book 313), 1934	13	27
R.A. Rogers No. 13 (Book 314), 1930	14	1
R.A. Rogers No. 14 (Book 315), 1937	14	2

## Sub-Series 1: Survey and Computation Books

R.A. Rogers No. 15 (Book 316), 1960	14	3
R.A. Rogers No. 16 (Book 317), Undated	14	4
R.A. Rogers No. 17 (Book 318), 1942	14	5
Ed G. Ross No. 2 (Book 319), 1914	14	6
William Lee (Odie) Short No. 2 (Book 320), 1975-1977	14	7
Bill Short No. 3 (Book 321), 1977-1980	14	8
Bill Short No. 4 (Book 322), 1980	14	9
Les Slowey No. 1 (Book 323), 1967-1970	14	10
Terry Stevens No. 2 Bill Limbo No. 1 (Book 324), 1977-1981	14	11
W.E. Stonefelt No. 1 (Book 325), 1953	14	12
W.E. Stonefelt No. 2 (Book 326), Undated	14	13
Joe Ulmer No. 2 (Book 327), 1977-1981	14	14
Joe Ulmer No. 3 (Book 328), 1982	14	15
Richard Waldeigh No. 1 (Book 329), 1964-1966	14	16

## Sub-Series 1: Survey and Computation Books

Myles A. Walsh No. 1 (Book 330), 1933-1934	14	17
Myles A. Walsh No. 2 (Book 331), 1934-1935	14	18
Lynn Warren No. 1 D.M. Middleton No. 1 (Book 332), 1950	14	19
Lynn Warren No. 4 (Book 333), 1936-1937	14	20
Lynn Warren No. 5 (Book 334), 1937	14	21
Lynn Warren No. 6 (Book 335), Undated	14	22
Lyle Warren No. 7 (Book 336), 1938	14	23
Lyle Warren No. 8 (Book 337), 1940-1942	14	24
Lyle Warren No. 9 (Book 338), 1942	14	25
Wayne Warvi No. 1 (Book 339), 1974	15	1
H.T. Waterland No. 1 (Book 340), 1953	15	2
Joel Waterland No. 1 (Book 341), 1946-1947	15	3
Joel Waterland No. 2 (Book 342), 1947-1949	15	4
Joel Waterland No. 3 (Book 343), 1949	15	5



## Sub-Series 1: Survey and Computation Books

Joel Waterland No. 4 (Book 344), 1950	15	6
R. Wayland No. 1 (Book 345), 1930-1933	15	7
Tim Wetz No. 1 Bill Short No. 1 (Book 346), 1971-1975	15	8
Bob Wolverton No. 2 (Book 347), 1927-1928	15	9
Bob Wolverton No.3 (Book 348), 1928	15	10
A. Yates No. 1 Ross No. 3 (Book 349), 1921-1923	15	11
A. Yates No. 2 (Book 350), 1924	15	12
F. Zupe No. 1 (Book 351), 1952	15	13
Louis Zupet No. 1 (Book 352), 1946-1948	15	14
Louis Zupet No. 2 Holmes No. 1 (Book 353), 1948	15	15
Field Notes for Leveling Monthly Subsidence Area, 1932-1933	15	16-18
Field Notes for Leveling Monthly Subsidence Area, 1934-1935	15	19-21
Field Notes for Leveling Monthly Subsidence Area, 1935	15	22-23
Field Notes for Leveling Monthly Surface Subsidence Area, 1936	16	1-3

## Sub-Series 1: Survey and Computation Books

Field Notes for Leveling Monthly Surface Subsidence Area, 1937	16	4-6
Fields Notes for Leveling Monthly Surface Susibdence Area, 1938	16	7-10
Field Notes for Leveling Monthly Surface Subsidence Area, 1939	16	11-13
Field Notes for Leveling Monthly Surface Subsidence Area, 1939-1940	16	14-16
Levels in Connection with Pipeline Tunnel #8, 1911	16	17-19
Field Notes for Road Crossings, 1910	17	1
Spearfish Topographical Survey Cards, Undated	17	2
Saw Mill Gulch Cards, Undated	17	3
Levels and Transit Cards, Undated	17	4-5
Levels over Preliminary Line Tunnel #8, 1909	17	6
Pipe Line Levels, 1908	17	7
Topographic Notes, Section 2, 1909-1911	17	8
Preliminary Pipeline Notes, 1909	17	9
Transit and Level, Gulch 66, 1908	17	10

## Sub-Series 2: Survey Books and Field Notes

Tunnel Locations and Dam , 1908-1909	17	11
Ice Conditions, 1908	17	12
Transmission Lines-Spearfish Hydro-Electric Plant, 1909-1910	17	15
Spearfish High School, Relocation from Hub 55 to Intersection, Undated	17	16
Notes for Spearfish Hydro-Electric No. 22, 1909-1910	17	18
Misc. Field Survey Cards, 1915-1922	17	19-21
Topography Notes, Section 1, 1908-1909	17	13-14
Pole Line Survey, undated	17	17
<b>Sub-Series 2: Survey Books and Field Notes 1877-1992, Undated</b>		
	<b>Box</b>	<b>Folder</b>
Survey Books, 1879-1881	1	1-4
Computation Book with Traverse of all Important Lines Connecting Triangulations Posts and Various other Points in Surveys of the Homestake (closed), 1897	1	5
Hydro Electric No. 2 Survey Books 1-2, 1917	1	6

## Sub-Series 2: Survey Books and Field Notes

Powder House Survey, Reno Gulch, 1918	1	7
Survey Books, 1920s	1	8
Claims Notes, 1920s	1	9
Spearfish Canyon Surveys, 1920-1932	1	10
G.N. Bjorge Survey of Mines and Prospects in Cuba, 1922	1	11
A.B.Y. Plane Table Notes, 1923-1927	1	12
R. Fraser Survey Books, 1923-1932	1	13-14
D.D. Hole Field Notes, Rochford S.D., 1925	1	15
Check Levels and Lead-Wyodake Pole Line Survey, 1929-1931	2	1
Bill Campbell and Pete Capa Survey Book, 1929	2	2
C.N. Kravig Field Notes, 1929	2	3
S.C. McMackin Survey Book, 1929	2	4
Survey Books, 1930s	2	5-7
Coolidge and Fraser Survey Book, 1930	2	8

## Sub-Series 2: Survey Books and Field Notes

R.E. Reilly Survey Books, 1931-1932	2	9-10
Geology Rodman's Notes, 1932-1940	2	11-14
Geology Plane Table Notes, 1932-1940	2	15-18
Cyanide No. 3 , 1932	3	1
Tramway, Surface Tramway Survey Books, 1932-1933	3	2
Transit Surveys, Shaft and Hoist Surveys, 1932-1933	3	3
Ross Shaft and Fence Survey Book, 1933	3	4
C.A. Polley Belle Fourche River Survey Books, 1934	3	5-6
C.A Polley Diary and Power Plant Survey, 1934-1938	3	7
C.A. Polley Survey Books, 1934-1941	3	8-12
C.A. Polley Triangulations and Computations Book and Notepad, 1937	3	13
Jenks Debris Case Samples, 1936	3	14
Harold J. Sliper Survey Books, 1937-1939	3	15-16
Harold J. Sliper Survey Books, 1940-1948	4	1-3

## Sub-Series 2: Survey Books and Field Notes

Spearfish Canyon Survey, 1938	4	4
Spearfish Placer Survey, 1938	4	5
Wyoming Timberland Surveys, 1938	4	6
Moskee Timber Land Surveys, 1939	4	7
Spearfish Sawmill Road Surfacing Gravel, 1939	4	8
Survey Books, 1940	4	9
Lyle G. Warren Survey Books, 1945-1961	4	10-14
Maitland Plane Table Notes, 1946-1948	4	15
Everett Velzy Survey Books, 1946-1950	4	16-17
Geology Yates, Ross and Kirk Groups, 1947	5	1
Survey Books, 1950s	5	2
Lewis Morcom Survey Books, 1950-1956	5	3-6
West Lead Survey Books, 1951	5	7
Wyodak Surveys, 1952	5	8

## Sub-Series 2: Survey Books and Field Notes

Richard Jenner John Field Notes, 1954-1958	5	9
C.N. Heinen Survey Books, 1956-1965	5	10-14
C.N. Heinen Survey Books, 1966-1974	6	1-3
Uranium 8 Surveys, 1957	6	4
Survey Books R1-R7, 1957-1959	6	5-7
Survey Books, 1960s	6	8
Central City Road Cut Survey, 1965-1966	6	9
Surface Trenches Lead Area, 1961	6	10
Whitewood Creek Survey, 1965-1966	6	11
R. Sliper Survey Books, 1967	6	12
Howard Mason Survey Books, 1970-1972	6	13
Myron Bieber Hoe and Arigrary Holes on Powder River, 1972	6	14
Larson and Harwood Survey Book, 1986	6	15
Art Lease Work to Be Done Survey Book, undated	7	1

## Sub-Series 2: Survey Books and Field Notes

Computation Book, undated	7	2
Concrete Kirk Power Plant, undated	7	3
A.L. Coolidge Triangulations and Computations (B-10-2), undated	7	4
List of Lodes A-Z, undated	7	5
Mine Survey Field Book 27.5, undated	7	6
Unidentified Survey Books, undated	7	7-9
		<b>Box</b>
C-131-50, C.A. Polley Diary and Notes, 1935-1936		8
C-190-1 thru C-190-2 Survey Books, 1899		8
G-1-1 thru G-1-15 Engineer's Office Field Books, 1891-1917		8
G-2-1 thru G-2-2 Engineer's Office Field Books, 1883-1891		8
G-2-5 thru G-2-7 Engineer's Office Field Books, 1898-1904		8
G-2-9 South Stope of Homestake Mines, 1882		8
G-13-1 thru G-3-18 Stope Books, 1881-1903		8



## Sub-Series 2: Survey Books and Field Notes

G-4-10 thru G-4-31 Stope Books, 1903-1925	8
G-5-1 thru G-5-22 Survey Books, 1879-1902	9
G-6-10 thru G-6-16 Survey Books, 1884-1904	9
G-6-18 Mine Book No. 18, 1899-1900	9
G-6-20 Mine Book No. 20, 1902-1903	9
G-11-1 thru G-11-12 Survey Books, 1882-1907	9
G-12-1 thru G-12-3 Spearfish Creek Water Ditch, 1899	9
G-12-5 thru G-12-11 Spearfish Conduit, 1899-1900	9
G-12-15 thru G-12-17 Peak Water Ditch, 1889-1901	9
G-12-19 List of Legal Papers in the Office, 1879	9
G-21-1 thru G-21-9 Survey Books, 1899-1904	10
G-21-11 thru G-21-16 Survey Books, 1897-1899	10
G-21-18 thru G-21-22 Survey Books, 1896-1899	10
G-21-24 thru G-21-25 Survey Books, 1879-1884	10

## Sub-Series 2: Survey Books and Field Notes

G-22-1 thru G-22-8 Survey Books, 1882-1899	11
G-23-1 thru G-23-10 Survey Books, 1879-1916	11
G-24-1 thru G-24-16 Rail Road Survey Books, 1892-1901	11
G-25-1 thru G-25-28 Survey Books, 1896-1904	11
G-25-30 Survey of Apex Mining Co.'s Stand By Mine, 1900-1902	11
G-26-1 thru G-26-12 Lead City Surveys, 1895-1910	11
G-31-1 Computation Book 1, 1897	12
G-31-3 Computation Book 3, 1898	12
G-31-5 Computation Book 5 , Undated	12
G-31-7 Computation Book 7, 1902-1906	12
G-31-9 Computation Book 9, 1903	12
G-31-11 Computation Book 11, Undated	12
G-31-113 Computation Book 13 Figured from 1907 Base 39-1140, 1907	12
Computation Book 15 Figured from 1907 Base 1142-1438, 1907	12

## Sub-Series 2: Survey Books and Field Notes

Computation Book 17 1439-1634, Undated	12
Computation Book 19 1635 -1832, Undated	12
Computation Book 21 1833-2065, Undated	12
Homestead Entry Survey By Names, 1921	13
Computation Book 25, 1911	13
Computation Book 27 1340-2034, Undated	13
Computation Book 29, Undated	13
G-32-1 thru G-32-15 Computation, Traverse and Triangulation Books, 1882-1914	13
G-32-16 Copies of Patents, Undated	14
G-32-17 thru G-32-24 Computation, Traverse and Triangulation Books, Undated	14
G-32-25 Computation and Traverse Book, 1896	14
G-32-26 thru G-32-27 Englewood Computation Books, 1897	14
G-32-28 Cruickshank and Co. Contract Computation Book, 1898-1901	14
G-32-30 thru G-32-32 Computation Books, 1883-1901	14

## Sub-Series 2: Survey Books and Field Notes

G-32-33 (2 Copies), 1902-1906		14
G-32-34 thru G-32-37 J.D. McIntyre Books, 1870s		14
Level Computation Books Tramway to 4100, Undated		15
Level Computation Books, Undated		16
Stope Computation Books, Undated		16
Ross Shaft Survey, Undated		16
	<b>Box</b>	<b>Folder</b>
Triangulation Field Notes and Sketches, 1905-1916	17	1
Power Line Survey Field Notes, 1916	17	2-4
Orders for Mineral Survey, 1893-1903	17	5-7
Field Survey Location Certificates, 1877-1900	17	8
Claim Survey Field Notes, 1877-1893	17	9-10
Property Booksheets that are void for Claim Surveys, 1930-1949	17	11-13
Miscellaneous Survey Papers, 1950s	17	14

## Series II: Survey Worksheets and Cards

Survey Shorthand, 1977	17	15
CK Survey Information, 1992	17	16
Field Surveys Traverse Information, Undated	18	1-3
Survey Field Notes, 1880s-1900s	18	4-5
Richard Blackstone Field Survey Sketches and Computations, Undated	18	6
		<b>Box</b>
Triangulation Sketches, Undated		18
<b>Series II: Survey Worksheets and Cards 1937-2001</b>		
	<b>Box</b>	<b>Folder</b>
Survey Worksheet Binders 1400 Level thru 6650 Level, 1993-2000	1	1-25
Survey Worksheet Binders 6800 Level thru 7400 Level, 1993-2001	2	1-19
Survey Worksheet Binders 7550 Level thru 8150 Level, 1993-2001	3	1-8
Survey Worksheets Loose Unidentified Levels, 1993-2000	3	9-15
Survey Slips, 1974-1975	3	16
Survey Cards 800 Level thru 3050 Level, 1987-1996	4	1-22

## Series II: Survey Worksheets and Cards

Survey Cards 3350 Level thru 6350 Level, 1988-1998	5	1-43
Survey Cards 6500 Level thru 8000 Level, 1988-1997	6	1-22
Land Survey Triangulation Cards, 1937-1938	6	23
Underground Geologic Survey Worksheets 1250 Level thru 5000 Level, 1952-1985	7	1-44
Stope Survey Data Sheets 2750 Level thru 4100 Level, 1970-1982	8	1-88
Stope Survey Data Sheets 4100 Level thru 4850 Level, 1969- 1986	9	1-85
Stope Survey Data Sheets 4850 Level thru 5150 Level, 1968-1986	10	1-70
Stope Survey Data Sheets 5300 Level thru 5900 Level, 1969-1994	11	1-41
Survey Maps 5900 Level thru 6350 Level, Undated	11	42-43
CMI Slabbing and Cutouts, 1974	11	44
Sketches in 19 Ledge Service and Changing Stations, Undated	11	45
Stope Survey Data Sheets 6050 Level, 1972-1986	11	46-60
Stope Survey Data Sheets 6050 Level thru 6800 Level, 1972-1985	12	1-49

## Series III: Survey Correspondence, Reports and Information Booklets

Stope Survey Cards 1700 Level thru 3950 Level, 1975-1984	12	50-57
Stope Survey Cards 4100 Level thru 5000 Level, 1973-1986	13	1-27
Stope Survey Cards 5150 Level thru 6800 Level, 1974-1992	14	1-23
Old Drill Hole Surveys, 1986-1988	15	1-3
Drill Hole Surveys, 1988-1995	15	4-11

**Series III: Survey Correspondence, Reports and Information Booklets 1889-1993**

	<b>Box</b>	<b>Folder</b>
Field Survey Correspondence, 1890-1900	1	1
U.S. Survey General Correspondence, 1889-1899	1	2-4
Engineering Survey Correspondence, 1891-1898	1	5
Homestake Surveying Descriptions, 1965	2	1
Magnetometer Data, Undated	2	1
Humphrey Inc. Gyroprobe, 1973-1979	2	2
Surveying Instruments, 1983	2	3

## Series III: Survey Correspondence, Reports and Information Booklets

MinsurV Mine Surveying System 1.10, 1993	2	4
Induced Polarization Survey Data-Blacktail, 1966	2	5
Induced Polarization Survey Data-Maitland, 1966	2	6
Induced Polarization Survey Data-South Lead, 1966	2	7
R425 Preliminary Report on Gravity and Magnetometer Survey North Homestake Area, Allan Spector and Associates Limited, 1991	2	8
R425/1 Preliminary Report on Gravity and Magnetometer Survey Extension, Allan Spector and Associates Limited, 1991	2	9
R440/1 Preliminary Report on Gravity and Magnetometer Survey Silver Mountain Area, Allan Spector and Associates Limited, 1992	2	10
R440/2-3 Preliminary Report on Gravity and Magnetometer Surveys Roubaix and Rochford Areas, Allan Spector and Associates Limited, 1992	2	11
R440/3 Preliminary Report on Gravity and Magnetometer Survey West Rim Area, Allan Spector and Associates Limited, 1992	2	12
R440/4 Preliminary Report on Infill Gravity Survey Zone 1 West Rim Area, Allan Spector and Associates Limited, 1992	2	13
R440/5 Preliminary Report on Infill Gravity Survey Zone A1 West Rim Area, Allan Spector and Associates Limited, 1992	2	14



## Series IV: Aerial Surveys

Ross Shaft Survey Report, 1989-1996	2	15-16
Bureau of Mines Ross Shaft Report, 1990-1992	2	17-18
John Sumner, Vertical Loop Electromagnetic Survey in the Golden Reward Areas of Lawrence County, 1966	2	19
John Sumner, Underground Induced Polarization Surveying in the Homestake Mine, 1965	2	20
John Sumner, Shallow Resistivity Surveying in the Northern Black Hills Homestake Mine, 1966	2	21
William Sauck, Underground I.P. and Resistivity, 1967	2	22
John Sumner and Frank P. Fritz II, Summary Report of Induced Polarization of Surveying Near Lead, 1967	2	23
George E. Dials, Mapping Requirements in the Office of Surface Mining Regulations, 1979	2	24
Kenneth D. Pock, Mine Surveying at Homestake, 1979-1983	2	25-27
Professional Surveyor Journal, 1982	2	28
<b>Series IV: Aerial Surveys 1934-2000</b>		
	<b>Box</b>	<b>Folder</b>

## Series IV: Aerial Surveys

Aerial Photos Moskee Timber Area, 1937	1	1-5
Aerial Photos Lawrence County, 1938-1939	1	6-18
Aerial Photos Crooks Tower and Deadwood Quads, 1954	1	19-20
Aerial Photos Lead and Deadwood Areas, 1937	1	21-23
Aerial Photo Overlays, 1946	1	24
Aerial Index Maps, 1951-1987	1	25
Aerial Photos Spearfish and Sturgis, 1958	2	1-2
Aerial Photos Moskee Timber Area, 1937	2	3-6
Aerial Photos Pennington and Mead Counties, 1938	2	7-12
Aerial Photos Rochford Area, 1986	2	13
Aerial Photos Lead Area, Undated	2	14
Aerial Photos Sturgis and Deadwood 1952	2	15-17
Aerial Photos Beulah to Sturgis, 1952	2	18-19
Aerial Photos Angostora Dam to Newcastle, Undated	2	20-21

## Series IV: Aerial Surveys

Aerial Photos Rapid City to Angostora Dam, Undated	2	22-24
Aerial Photos Sturgis to Rapid City, Undated	2	25
Aerial Photos Grizzly Gulch Dam, 1988	3	1
Aerial Photos Spearfish Canyon, 1965	3	2
Aerial Photos 100 sq. feet in Lead-Deadwood Vicinity, 1975	3	3-5
Unidentified Aerial Photos, 1951-1987	3	6-9
Miscellaneous Aerial Photos and Notes, 1980-1987	3	10
Belle Fourche River Survey Abrahams Aerial Survey Corp., 1937	3	11-14
Belle Fourche River Survey Fred Rockwell Estate, 1937	3	15
Belle Fourche River Survey Aero Service Corp., 1938	3	16-21
(C-131-49) H.M. Jenks v. Homestake Mining Company, 1935-1937	3	22-23
Belle Fourche River Survey Homestake Photos and Notes, 1934-1935	3	24-25
Aerial Photos Belle Fourche, 1940	3	26
Order for Mead and Butte County Farm Aerial Photos, 1984	3	27

**Series IV: Aerial Surveys**

---

Oversize Aerial Photographs and Survey Maps, 1937-2000

3

28