

# **Homestake Vested Water Rights Collection, 1876-1998 5000**

**Finding aid prepared by Jessica Michak**

---

This finding aid was produced using the Archivists' Toolkit

January 23, 2018

Describing Archives: A Content Standard

Homestake Adams Research and Cultural Center

November 1, 2013

Deadwood History, Inc.

150 Sherman Street

Deadwood, South Dakota, 57732

(605) 722-4800

## Table of Contents

---

<u>Summary Information</u> .....	3
<u>Biographical/Historical</u> .....	4
<u>Scope and Contents</u> .....	4
<u>Arrangement Note</u> .....	4
<u>Administrative Information</u> .....	5
<u>Collection Inventory</u> .....	6
<u>Legal Documentation</u> .....	6
<u>Homestake Mining Company General Files</u> .....	39
<u>Daily Operating Reports and Measurements</u> .....	59
<u>Whitewood Creek - Superfund Site</u> .....	66

## Summary Information

---

<b>Repository</b>	Homestake Adams Research and Cultural Center
<b>Creator</b>	Homestake Mining Company
<b>Title</b>	Homestake Vested Water Rights
<b>Date</b>	1876-1998
<b>Extent</b>	128.0 Linear feet 89 boxes (67 regular, 22 oversize)
<b>Language</b>	English
<b>Language Note</b>	These materials are in English.
<b>Abstract</b>	<p>The Homestake Mining Company was founded in 1876 and operated for 126 years, ultimately growing into the oldest, largest, and deepest gold mine in the Western Hemisphere. A critical contributor to this large-scale success lies in the company's early acquisition of water rights in the Black Hills. The water rights collection housed at the Homestake Adams Research and Cultural Center details the mine's systematic attainment of these water rights, as well as the legal struggles that occurred in attempts to keep them.</p>

## Biographical/Historical

---

The Homestake Mining Claim was founded on April 9, 1876 by Fred and Moses Manuel and Hank Harney. They soon sold their interests to a group of men, led by George Hearst. Under Hearst's direction, the Homestake Mining Company was incorporated in November 1877 and grew into the major economic driving force of the Black Hills area. Though numerous factors contributed to the success and permanence of the Homestake Mine, the acquisition of water rights was integral to acquiring enough water power to operate the mine and its miscellaneous holdings. Almost immediately after Hearst's purchase of the mining claim, he and his associates began systematically acquiring rights to the streams, creeks, and ditches in the area. By controlling the water rights, the mine was able to significantly influence the local economy and politics of the Lead/Deadwood area. The acquisition of major influencing water bodies in the area did not go unnoticed; many legal issues arose as a result of the claims and titles Homestake held. In the later years of the company, major litigation occurred before the Water Management Board for the State of South Dakota in regards to HMC's attempts to make changes to the Spearfish Creek Watershed under their legal claims to it. This was opposed by local government, amongst others, and led to several significant court cases. The matters were complicated by the fact most of Homestake's vested water rights claims were acquired between the late 1870s to the 1890s, well before South Dakota created its Water Rights Law.

---

## Scope and Contents

---

The Homestake Vested Water Rights Collection consists of 89 boxes of water rights material from the Homestake Mining Company and associated parties. The materials include information on the acquisition of water rights in the Black Hills by HMC for use in its milling operations. The materials span from the late 1870s to the late 1990s and include correspondence, operating reports, litigation materials, evidentiary materials, data compilations, etc.

---

## Arrangement Note

---

The collection is housed in acid-free folders in a mixture of acid-free archival boxes and oversize banker's boxes. The contents were kept in original order where possible, although the majority was rearranged by relevant subject and order.

## **Administrative Information**

---

### **Publication Information**

Homestake Adams Research and Cultural Center November 1, 2013

### **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, 10-4 M-F, or by appointment.

### **Acquisition**

These materials were transferred as one donation from the Homestake Mining Company on May 26, 2005.

### **Processing Information**

These materials were processed June-October 2013 by Jessica Michak under the supervision of Carolyn Weber. Additional assistance provided by Steve Mitchell, Mikaela Fundaun, and Paula Tyler.

## Collection Inventory

### Series 1: Legal Documentation

#### General Information

This series consists of the legal documentation of water rights as acquired by the Homestake Mining Company, including original claim and abstract of title documents, litigation and court proceedings, research, maps, notes, correspondence and memorandums, and associated documents.

#### Subseries A: Original Titles and Materials

#### General Note

Consists of the original claim and title documents kept by HMC and organized according to stream flow.

	<b>Box</b>	<b>Folder</b>
Bear Butte Creek	1	1
Silver Spring Creek	1	2
Box Elder Creek-Springs (HMC Location)	1	3
Foster Ditch Sec. 29 & 30, T5N, R3E	1	4
Foster Ditch-Deadwood/Homestake, Black Hills Power & Light Co.	1	5

## Original Titles and Materials

Pocket Gulch Springs	1	6
DeSmet, Bowie & Palmer Ditch (Deadwood Creek & Gulch)	1	7
Poorman NE/4, Sec. 32, T5N, R3E	1	8
Saw Pit Gulch	1	9
Elk Creek Springs	1	10
Elk Creek	1	11
Columbia Ditch (1 of 2)	1	12
Columbia Ditch (2 of 2)	1	13
Columbia Ditch-Columbia Court Case, 1915	1	14
Columbia Ditch Stock Certificates & Receipts	1	15
Little Rapid Ditch	1	16
Concordia Ditch-NE/4NW/4 Sec. 10, T7N, R2E	1	17
Evans, et. al. (1 of 2)	1	18
Evans, et. al. (2 of 2)	1	19

## Original Titles and Materials

Evans, et. al.-Zoellner Property	1	20
Ramsdell Ditch-NE/4NW/4 Sec. 15, T6N, R2E (1 of 2)	1	21
Ramsdell Ditch-NE/4NW/4 Sec. 15, T6N, R2E (2 of 2)	1	22
Walton Ditch	2	1
Peake Ditch-Dated	2	2
Peake Ditch-Undated	2	3
Raddick & Intake Gulches	2	4
Juniper Gulch (Spearfish Creek)	2	5
Elk Mountain Water Right (on Main Spearfish)	2	6
South Dakota Mining Company	2	7
Gay or Gregg Ditch	2	8
Keats Property/Powers Property-Spearfish	2	9
Spearfish & Cape Horn Water Ditch & Right	2	10
Hydro-Electric No. 2-Pipeline Right of Way	2	11



## Original Titles and Materials

Pioneer Ditch (1 of 2)	2	12
Pioneer Ditch (2 of 2)	2	13
French Boys Ditch (Old Abe/New Manual)	2	14
Spring Creek Rights	2	15
Boulder Ditch	2	16
Montana Ditch	2	17
Hearst Ditch	2	18
Dakota Mining Co. to James Milliken, Sheriff's Deed, 1882	2	19
Martin Sands & Co.	2	20
McNabb Ditch-Lead Country Club	2	21
Two-Bit Gulch-Court Documents	2	22
Articles of Incorporation of Sunday Associated Companies & Conveyances to Homestake	2	23
Calaboga Mining Company Stock Book	2	24

## Original Titles and Materials

Cyanide #3 House Purchase	2	25
Right of Way Deed from James Cusick to C.B.&Q.R.R. Co., April 20, 1915	2	26
General Chain of Title of Water Rights to HMC	2	27
Grier Appointment as Superintendant, etc.	3	1
Englewood-Electric Plant/Right of Way/Pipe & Pole Lines, 1905-1908	3	2
Estate of Samuel McMaster Documents	3	3
Laws Enacted by Miners of Gold Run, 2-21-1876	3	4
Miscellaneous Correspondence and Documents	3	5
Myers, Belding & Atchison	3	6
Newspaper Clippings Notebook, Application for Patent Notices, 1890s	3	7
Portland Mining Company	3	8
Right of Way Deed, John R. Russell & James E. Russell to HMC, July 10, 1933	3	9
Spearfish Conduit Application for Right of Way Access, U.S. Forest Reserve to Englewood, 1905	3	10

## Original Titles and Materials

Right of Way-Telephone Line, 1907-1966	3	11
Original and Specific Documents Binder Vol. 1, Documents of a General Nature (1 of 2)	3	12
Original and Specific Documents Binder Vol. 1, Documents of a General Nature (2 of 2)	3	13
Original and Specific Documents Binder Vol. 1, Application No. 1587-1 Spearfish Water Right	3	14
Original and Specific Documents Binder Vol. 11, Application No. 1589-1 Little Elk Water Right	3	15
Original and Specific Documents Binder Vol. 11, Application No. 1590-1 Little Rapid Water Right	3	16
Original and Specific Documents Binder Vol. 11, Application No. 1588-1 Peake Water Right	4	1
Original and Specific Documents Binder Vol. 111, Application No. 1591-1 Clark-Bowen Water Right	4	2
Original and Specific Documents Binder Vol. 111, Application No. 1592-1 Hearst Water Right	4	3
Original and Specific Documents Binder Vol. 111, Application No. 1594-1 Englewood Water Right	4	4

## Early Trials

Original and Specific Documents Binder Vol. 111, Application No. 1594-1 Englewood Water Right	4	5
--	---	---

Belle Fourche Project-Coleman v. Matson	4	6
---	---	---

**Subseries B: Early Trials****General Note**

Consists of documentation of early litigation HMC was involved in as a result of water rights claims. Major cases include Kellar v. Homestake and Cook et. al. v. Evans et. al.

	<b>Box</b>	<b>Folder</b>
--	------------	---------------

Kellar v. HMC - Correspondence	4	7
--------------------------------	---	---

Kellar v. HMC-Correspondence & Evidentiary Material re: Spearfish Valley Land & Water Rights, various dates	4	8
--	---	---

Kellar v. HMC-Evidence & Affidavits	4	9
-------------------------------------	---	---

Kellar v. HMC-Miscellaneous Affidavits (copies) (1 of 2)	4	10
--	---	----

Kellar v. HMC-Miscellaneous Affidavits (copies) (2 of 2)	4	11
--	---	----

Kellar v. HMC-Miscellaneous Data	4	12
----------------------------------	---	----

Kellar v. HMC-Miscellaneous Documents & Correspondence	4	13
--	---	----

## Early Trials

Kellar v. HMC-Miscellaneous Documents & Notes	4	14
Kellar v. HMC-Miscellaneous Evidence & Memorandums	4	15
Kellar v. HMC-Photographs & Photography Inventory List	4	16
Kellar v. HMC-Research Materials, Miscellaneous Ditches	4	17
Kellar v. HMC-Trial Documentation	4	18
Kellar v. HMC-Water Rights Location Documents	4	19
Kellar v. HMC-Witnesses, Evidence & Deeds	4	20
Cook v. Evans-Correspondence & Related Documents	5	1
Cook v. Evans-Correspondence re: Witnesses and Evidentiary Material Kellar & Stanley	5	2
Cook v. Evans-Circuit Court Judgement, 1908 (copy)	5	3
Cook v. Evans-Circuit Court Litigation Documents (1 of 2)	5	4
Cook v. Evans-Circuit Court Litigation Documents (2 of 2)	5	5
Cook v. Evans-Data, Notes, Tabulations, Witness Lists, Research & Memos (1 of 2)	5	6

## Early Trials

Cook v. Evans-Data, Notes, Tabulations, Witness Lists, Research & Memos (2 of 2)	5	7
Cook v. Evans-Decision	5	8
Cook v. Evans-Deeds, Agreements, Abstracts, etc.	5	9
Cook v. Evans-Mann Ditch	5	10
Cook v. Evans-Miscellaneous Original Notes & Research (1 of 2)	5	11
Cook v. Evans-Miscellaneous Original Notes & Research (2 of 2)	5	12
Cook v. Evans-Original Title Documents	5	13
Cook v. Evans-Pleadings Only	5	14
Cook v. Evans-Research, Spearfish Irrigation Ditch (aka Ramsdell, Jones & Aikman Ditch)	5	15
Cook v. Evans - Schmidt - Schultz - Arrington Ditch	5	16
Cook v. Evans-Statements, Depositions, Notices, Answers & Affidavits	5	17
Cook v. Evans-Statements, Depositions & Evidentiary Materials	5	18
Cook v. Evans - Subpoenas and Assessor Information	5	19

## Early Trials

Cook v. Evans-Brief of Plaintiff & Appellant, Book One	6	1
Cook v. Evans-Brief of Plaintiff & Appellant, Book One, pgs. 1-200 (copies)	6	2
Cook v. Evans-Brief of Plaintiff & Appellant, Book Two, pgs. 201-400 (copies)	6	3
Cook v. Evans-Brief of Plaintiff & Appellant, Book Three, pgs. 401-600 (copies)	6	4
Cook v. Evans-Brief of Plaintiff & Appellant, Book Four	6	5
Cook v. Evans-Brief of Plaintiff & Appellant, Book Four, pgs. 601-800 (copies)	6	6
Cook v. Evans-Brief of Plaintiff & Appellant, Book Five, pgs. 801-991 (copies)	6	7
Cook v. Evans-Brief of Plaintiff & Appellant, Book Six	6	8
Cook v. Evans-Respondent's Brief (copies)	6	9
Cook v. Evans-Stipulation & Reply Brief of Plaintiff and Appellant	6	10
Cook v. Evans-Miscellaneous Documents, Vol. I, 1 of 10	6	11
Cook v. Evans-Miscellaneous Documents, Vol. I, 1 of 10 (copy)	6	12

## Early Trials

Cook v. Evans-Trial Transcript, Vol. I, 3 of 10	6	13
Cook v. Evans-Trial Transcript, Vol. I, 3 of 10 (copy)	6	14
Cook v. Evans-Miscellaneous Documents, Vol. II, 2 of 10	6	15
Cook v. Evans-Miscellaneous Documents, Vol. II, 2 of 10 (copy)	6	16
Cook v. Evans-Trial Transcript, Vol. II, 4 of 10 (copy)	7	1
Cook v. Evans-Trial Transcript, Vol. II, 4 of 10 (copy)	7	2
Cook v. Evans-Trial Transcript, Vol. 3, 5 of 10	7	3
Cook v. Evans-Trial Transcript, Vol. 3, 5 of 10 (copy)	7	4
Cook v. Evans-Trial Transcript, Vol. IV, 6 of 10	7	5
Cook v. Evans-Trial Transcript, Vol. IV, 6 of 10 (copy)	7	6
Cook v. Evans-Trial Transcript, Vol. V, 7 of 10	7	7
Cook v. Evans-Trial Transcript, Vol. V, 7 of 10 (copy)	7	8
Cook v. Evans-Trial Transcript, Vol. VI, 8 of 10	7	9
Cook v. Evans-Trial Transcript, Vol. VI, 8 of 10 (copy)	7	10



## Spearfish Creek Watershed Legal Documents

Cook v. Evans, Trial Transcript, vol. VII, 9 of 10	8	1
--	---	---

Cook v. Evans, Trial Transcript, vol. VII, 9 of 10 (copy)	8	2
---	---	---

Cook v. Evans, Trial Transcript, vol. VII, 10 of 10	8	3
---	---	---

Cook v. Evans, Trial Transcript, vol. VII, 10 of 10 (copy)	8	4
--	---	---

### Subseries C: Spearfish Creek Watershed Legal Documents

#### General Note

Consists of legal documentation, research, trial preparation, correspondence, witness information and testimony, maps and measurements, evidentiary materials, etc., prepared for several subsequent legal cases involving proposed changes to the Spearfish Creek Watershed by HMC. Most of the material is from the 1990s, but some of the research and preliminary materials dates prior. These materials are a combination of HMC generated material and that of outside parties, including the legal representation team for HMC.

#### Subgroup I: General Files

	<b>Box</b>	<b>Folder</b>
Abstract: Use of Staging areas by Sandhill Cranes in the Midcontinent Region of North America	8	5
Action List & notes - Tellinghuisen	8	6
Blackstone Memorandum, 1907	8	7

## General Files

Collection System Exhibits, Historical Municipal Water use Exhibits, Map of city of Deadwood Water Distribution System in 1800s - Prepared by Jonathan Jones P.E. WWE	8	8
Combined Ditches	8	9
Deer Mountain Agreement	8	10
DENR Material - Del Brosz	8	11
Divisions - Hearst and Consolidated (1 of 2)	8	12
Divisions - Hearst and Consolidated (2 of 2)	8	13
Drilling Water Used in Mining	8	14
Englewood Turbimeter Reading (compiled for trial)	8	15
Englewood Water flow and meter readings, 1990-1994	8	16
Englewood Water flow in G.P.M., 1996-1997 (1 of 2)	8	17
Englewood Water flow in G.P.M., 1996-1997 (2 of 2)	8	18
Englewood Water flow in G.P.M. 1999	9	1
Exhibit Lists	9	2

## General Files

Formal Water Files, Potable Files, Working Files (with list of working files) - Diskettes	9	3
Four square notes (1 of 2)	9	4
Four square notes (2 of 2)	9	5
Geochemical Evaluation of Additional Core Drilling, Sheeler Site, Whitewood Creek, South Dakota	9	6
Halbe, Doug - Report and related documents	9	7
Hanna Pumping Station - Pump History by Mike Johnson	9	8
Hearst Water Right - Application No. 1592-1	9	9
Homestake Consolidated Cases: Proposed changes in the Spearfish Creek Watershed	9	10
Homestake Application	9	11
Homestake Book 3	9	12
Homestake - Discovery	9	13
Homestake Monthly Water reports, 1994-1996	9	14
Homestake Water Repair / Conservations Projects, 1970s	9	15

## General Files

Legal Department Memos and Information	9	16
Legal Documents re: Homestake Water Rights, Hughes County (1 of 2)	9	17
Legal Documents re: Homestake Water Rights, Hughes County (2 of 2)	10	1
Map: Water Collection and Distribution System as of January, 1998	10	2
Memorandum Decision re: App No. 1927-2, 1921-2 & 2192-2	10	3
Miscellaneous Evidence Lists and Exhibits	10	4
Municipal Water Rights Documents	10	5
Notes Miscellaneous Ditches	10	6
Notes and Memos, Roger Tellinghuisen	10	7
Pipelines - Highest recorded Weir Measurements	10	8
Pipeline Summaries: Spearfish / Peake	10	9
Populations Study, Dave Miller	10	10
Precipitation records	10	11

## General Files

Report: Ceriodaphnia: Their use as stream profile indicators of water quality in Whitewood Creek, South Dakota	10	12
Report: Effects of Homestake Mining Company Diversions on Elk Creek Stream flows	10	13
Report: Factors Affecting the Mobilization, Transport, and Bioavailability of Mercury in Reservoirs of the Upper Missouri River Basin	10	14
Report on Ingested Inorganic Arsenic: Skin Cancer: Nutritional Essentiality, 1987	10	15
Research - HMC Vested Water Rights	10	16
Rocky Mountain Mineral Law Foundation - Water Law Newsletter	10	17
South Dakota Law Review Materials	10	18
South Dakota Water Rights as prepared by Margaret Winsel, 6/5/1985 (1 of 2)	10	19
South Dakota Water Rights as prepared by Margaret Winsel, 6/5/1985 (2 of 2)	10	20
State of South Dakota v. Rippling Water Ranch	10	21
Summaries - Englewood, Hanna, South Lead	10	22

## Vested Water Rights Binders and Related Materials

---

System Flow Analysis - NJS Engineering	10	23
Water Reports Measurements, 1917-1928 (1 of 2)	10	24
Water Reports Measurements, 1917-1928 (2 of 2)	10	25
Water Reports Memos, 1977-1989	10	26
Water Rights Applications - Copies and Notes	11	1
Water Rights Evaluation Reports for HMC by Allen Dittman P.E. 1985	11	2
Weir Measurements (copies for trial)	11	3
Working Files, Water Files, Potable Water System Diskettes	11	4
Videotapes - Spearfish Canyon	11	5
<b>Subgroup II: Vested Water Rights Binders and Related Materials</b>		
	<b>Box</b>	<b>Folder</b>
HMC Vested Water Rights Binder #1	11	6
HMC Vested Water Rights Binder #2 - Summary of Applications (1 of 2)	11	7
HMC Vested Water Rights Binder #2 - Summary of Applications (2 of 2)	11	8

## Vested Water Rights Binders and Related Materials

---

HMC Vested Water Rights - Documents	11	9
HMC Vested Water Rights - Dave McDowell	11	10
HMC Vested Water Right Applications - Homestake Mining Company, Book A (1 of 3)	11	11
HMC Vested Water Right Applications - Homestake Mining Company, Book A (2 of 3)	11	12
HMC Vested Water Right Applications - Homestake Mining Company, Book A (3 of 3)	11	13
HMC Vested Water Rights - Jack Cole	11	14
HMC Vested Water Rights - Mike Johnson	11	15
HMC Vested Water Rights - Pretrial Motions	11	16
HMC Vested Water Right Applications - Research Notebook	11	17
HMC Vested Water Rights Applications - SD Division of Water Rights, Book A - Discovery, Depositions, Motions, Miscellaneous Pleadings	11	18
HMC Vested Water Rights - Todd Hubbard to WWE	11	19
Applications for Writ of Prohibition	11	20

## Vested Water Rights Binders and Related Materials

Blackstone Mining Report	11	21
Brief in Support of Application for Writ of Prohibition and Accompanying Documents	11	22
Certificate of Service, HMC vs. South Dakota Water Management Board and John Hatch (1 of 2)	11	23
Certificate of Service, HMC vs. South Dakota Water Management Board and John Hatch (2 of 2)	11	24
City Water Tie, Hydro #1, December 1980	12	1
Elk Creek Ditch Water Rights	12	2
Englewood - Lead Supply	12	3
Exhibits	12	4
Exhibits - First Hearing and Indices	12	5
Exhibits - 47A-E	12	6
Halbe, Doug	12	7
Hearst Water Right Binder, Prepared by Margaret A. Winsel, April 16, 1994	12	8



## Vested Water Rights Binders and Related Materials

HMC - Lead - Deadwood Sanitary District Agreement	12	9
Hubbard, Todd	12	10
Information, Resumes	12	11
Johnson, Mike	12	12
Legislation and ARSD Changes	12	13
Marie	12	14
Marks, John - Information	12	15
McDowell, Dave - Information	12	16
Professor Miller Testimony	12	17
Miscellaneous Files: Correspondence, Legal Files and Court Orders	12	18
Old Abe Ditch / Pipeline	12	19
Peake and Precipitation	12	20
Pipe Loss	12	21
Research - Clark, Bowen / Meyers, Belding and Atchison	12	22

## Vested Water Rights Binders and Related Materials

Research - Englewood, "New French Boys - New Manual" Ditch	12	23
Research - Hearst Ditch	12	24
Settlement Agreement	12	25
Transcript Summaries	12	26
Trial Preparation - Evidentiary Materials	12	27
Trial Preparation Research and Notes - Prepared by Brenda	12	28
Vested Water Right Applications	12	29
Water Law: Cases and Commentary by Joseph L. Sax, 1965	12	30
Water Permit Applications	12	31
Water Rights - Howard Mason File, 1985	12	32
Water Rights - Miscellaneous Materials (1 of 2)	12	33
Water Rights - Miscellaneous Materials (2 of 2)	12	34
Water System Historic Notebook, Volume 1	12	35
Wright Water Engineers (1 of 3)	12	36

## Phil Barnes Files

Wright Water Engineers (2 of 3)	12	37
Wright Water Engineers (3 of 3)	12	38
<b>Subgroup III: Phil Barnes Files</b>		
	<b>Box</b>	<b>Folder</b>
Phil Barnes Files - Copied Evidentiary Materials	13	1
Phil Barnes Files - Correspondence (with attachments) (1 of 5)	13	2
Phil Barnes Files - Correspondence (with attachments) (2 of 5)	13	3
Phil Barnes Files - Correspondence (with attachments) (3 of 5)	13	4
Phil Barnes Files - Correspondence (with attachments) (4 of 5)	13	5
Phil Barnes Files - Correspondence (with attachments) (5 of 5)	13	6
Phil Barnes Files - Miscellaneous Trial Information (1 of 3)	13	7
Phil Barnes Files - Miscellaneous Trial Information (2 of 3)	13	8
Phil Barnes Files - Miscellaneous Trial Information (3 of 3)	13	9
Phil Barnes Files - Water Management Board Trial Documents (1 of 4)	13	10

## Tellinghuisen/Main Trial Preparation Materials

Phil Barnes Files - Water Management Board Trial Documents (2 of 4)	13	11
Phil Barnes Files - Water Management Board Trial Documents (3 of 4)	13	12
Phil Barnes Files - Water Management Board Trial Documents (4 of 4)	13	13
<b>Subgroup IV: Tellinghuisen/Main Trial Preparation Materials</b>		
	<b>Box</b>	<b>Folder</b>
Applications - Notices	13	14
Applications - Supplemental Report and Recommendations	13	15
Consolidated & SCW - Hearing Volume 2 of 4	13	16
Cross Exam Materials	13	17
DENR Materials	14	1
Department of the Interior Report - 'Authorizing an Exchange of Lands in South Dakota and Colorado', 9-21-1990	14	2
Deposition of Ron Waterland, 5-26-1994	14	3
Evidentiary Materials - Cost/Repair/Maintenance	14	4
Evidentiary Materials - Drought and Irrigation Information	14	5

## Tellinghuisen/Main Trial Preparation Materials

Evidentiary Materials - Game, Fish, and Parks Exhibits	14	6
Evidentiary Materials - Greg Palmer Material	14	7
Evidentiary Materials - Leak Detection Reports	14	8
Evidentiary Materials - Maps/Schematics	14	9
Evidentiary Materials - Precipitation Charts	14	10
Evidentiary Materials - State Engineer Water Reports	14	11
Evidentiary Materials - Tribal Rights	14	12
Evidentiary Materials - Use Data	14	13
Evidentiary Materials - Water Sale Agreements	14	14
Evidentiary Materials - Water Systems Video	14	15
Final Orders and Settlement Agreements Regarding HMC's Vested Water Rights Applications	14	16
Hearst, Consolidated, SCW - Certificate of Service, Order Dismissing Claims, Billing Information	14	17
Hearst Ditch Photographs, 9-15-1992	14	18

## Tellinghuisen/Main Trial Preparation Materials

Hearst, Consolidated, SCW - Motion for Order Dismissing Remaining Claims and Miscellaneous Trial Documents	14	19
Howard Mason Materials	14	20
Lasher - Elk Creek Application	14	21
Main - Well Reports	14	22
SCW - Hearing Vol. 1 of 4, 2-28-1995	14	23
Trial Preparation Documents (Copies)	14	24
Vested Water Rights - Homestake's Memorandum of Law on New Limitations on Vested Water Rights	14	25
Water Treatment Projects (1 of 2)	14	26
Water Treatment Projects (2 of 2)	14	27
Witnesses - Dave Miller	14	28
Witnesses - Elk Creek Interviews	14	29
Witnesses - Lower Brule Sioux Tribe	14	30
Witnesses - Maps and Diagrams	14	31

## Ron Waterland Files

Witnesses - Ron Waterland	14	32
Witnesses - Wright Water Engineers	14	33
<b>Subgroup V: Ron Waterland Files</b>		
	<b>Box</b>	<b>Folder</b>
(The) Court's Findings of Fact and Conclusions of Law	14	34
DENR Geological Survey, Elk Creek, 1948-49, 1978-79	14	35
Deposition of Dave McDowell (with Exhibits), 5-25-1994	14	36
Deposition of Margaret E. Winsel, 5-27-1994	14	37
Deposition of Mike Johnson, 5/25/1994	15	1
Deposition of Pat Trask, 4/18/1994	15	2
Deposition of Ron Waterland, Spearfish Creek Watershed	15	3
Depositions of Tom Trask, 4/18/1994	15	4
Englewood Power Plant Data (1 of 2)	15	5
Englewood Power Plant Data (2 of 2)	15	6

## Ron Waterland Files

Examinations, May 1995	15	7
Hearing, 2/27/1995	15	8
HMC Deposition Motions, 1/13/1995	15	9
Homestake's Disclosure, Interrogatories and Requests for Production to Trasks & Eagan Co., & Homestake Answers to Interrogatories & Supplemental Interrogatory of Trasks & Eagan Co.	15	10
Homestake's Motion for Continuance & Response to Trask and Eagan's Motions, 1998	15	11
Metallurgical Water Data	15	12
Mine Water Documents	15	13
Motions Hearing, 2/27/1995	15	14
Motion for Procedure on Remand	15	15
Newspaper Clippings	15	16
Rapid City - Tillson, HMC Water Rights, Wright Water Engineers	15	17
Scholarly Articles	15	18
Transcript of Oral Agreement - Spearfish Watershed	15	19



## Ron Waterland Files

Transcript of Proceedings - Spearfish Creek Watershed (1 of 2)	15	20
Transcript of Proceedings - Spearfish Creek Watershed (2 of 2)	15	21
Water Rights Tables	15	22
Consultants (1 of 2)	15	23
Consultants (2 of 2)	15	24
Evans-Tonn Ditch Information	15	25
Flow Information	16	1
General Water Information	16	2
Maps	16	3
Miscellaneous	16	4
Miscellaneous Documents and Notes - Waterland	16	5
Notes	16	6
Notices	16	7
Potable Water System Report by John Zogorski, 1990	16	8

## Trial Documentation

Records of Disclosure, 1959-1983	16	9
Spearfish Creek - Flow Documents	16	10
Spearfish Drainage Information	16	11
State Correspondence	16	12
Water Rights Materials Compiled by Mine Office (1 of 2)	16	13
Water Rights Materials Compiled by Mine Office (2 of 2)	16	14
Water Rights Preparation Information	16	15
<b>Subgroup VI: Trial Documentation</b>		
	<b>Box</b>	<b>Folder</b>
Deposition of Dr. Perry Rahn - SCW, 4-14-1994	16	16
Partial Transcript of Proceedings -SCW, 7-12-1994	16	17
Transcript of Proceedings - SCW - Consideration of Request for Dismissal, 8-31-1994	16	18
Transcript on Hearing for Writ of Prohibition, 10-5-1994	16	19
Hearst Claim - Hearing Vol. 2 of 2, 2-25-1995	16	20

## Trial Documentation

Hearst Claim - Hearing Vol. 1 of 2, 2-27-1995	16	21
Application No. 1592-1 - Hearst Water Right	17	1
Applications Nos., 1587-1, 1588-1, 1589-1, 1590-2, 1591-1, etc. SCW Consolidated Hearing vol. 1-4 2/28/1995	17	2
Applications Nos., 1587-1, 1588-1, 1589-1, 1590-2, 1591-1, etc. SCW Hearing, vol. 3 of 4, 3/2/1995	17	3
Applications Nos., 1587-1, 1588-1, 1589-1, 1590-2, 1591-1, etc. SCW Hearing, vol. 4 of 4, 3/3/1995	17	4
Applications Nos., 1587-1, 1588-1, 1589-1, 1590-1, 1594-1, etc. SCW Condensed Hearing, vol. 1-3 of 4, 5/2/1995	17	5
Applications Nos., 1587-1, 1588-1, 1589-1, 1590-1, 1594-1, etc. SCW Hearing, vol. 1-3 of 4, 5/2/1995	17	6
Applications Nos., 1587-1, 1588-1, 1589-1, 1590-1, 1594-1, etc. SCW Hearing, vol. 1 of 3 of 4, 5/3/1995	17	7
Applications Nos., 1587-1, 1588-1, 1589-1, 1590-1, 1594-1, etc. SCW Hearing, vol. 3 of 3 of 4, 5/4/1995	17	8
Homestake's Brief - prepared by Phil Barnes	17	9

## Trial Documentation

HMC's Vested Water Right Applications - Application Notebook, 1591-1, Clark - Bowen	17	10
HMC's Vested Water Right Applications - Application Notebook, 1594-1, Englewood	17	11
HMC's Vested Water Right Applications - Application Notebook, 1589-1, Little Elk	17	12
HMC's Vested Water Right Applications - Application Notebook, 1590-1, Little Rapid	17	13
HMC's Vested Water Right Applications - Application Notebook, 1587-1, Spearfish; 1588-1, Peake	17	14
HMC Vested Water Rights Application - Interveners Book A (1 of 2)	17	15
HMC Vested Water Rights Application - Interveners Book A (2 of 2)	17	16
HMC Vested Water Rights Application - Interveners Book B	17	17
HMC Vested Water Rights Application - Interveners Book C	17	18
HMC Vested Water Rights Applications - Interveners Book D	18	1
HMC Vested Water Rights - Pleadings (1 of 2)	18	2
HMC Vested Water Rights - Pleadings (2 of 2)	18	3

## Trial Documentation

Homestake Water Rights - 1997 vol. I (1 of 2)	18	4
Homestake Water Rights - 1997 vol. I (2 of 2)	18	5
Homestake Water Rights - 1997 vol. II (1 of 2)	18	6
Homestake Water Rights - 1997 vol. II (2 of 2)	18	7
Consolidated Hearing Summary, 1995	18	8
Hearst Application - Summary, 1995	18	9
Findings of Fact, Conclusions of Law and Final Decision, Re: Application No. 1592-1 (Hearst Claim)	18	10
Findings of Fact, Conclusions of Law and Final Decision, Application No. 43A-1	18	11
Findings of Fact, Conclusions of Law and Final Decision	18	12
Homestake Brief with Exhibits - Hearst, Consolidated & Proposed Changes to CSW, 11/8/1996	18	13
Hearst & Consolidated Claims - DENR Proposed Findings of Fact and Conclusions of Law	18	14
Hearst & Consolidated Claims - Objections to Appellants' Findings of Fact and Conclusions of Law	18	15

## Department of Environmental and Natural Resources Documents

Hearst & Consolidated Claims - Transcript of Hearing Re: Motion for Clarification, September 30, 1997	18	16
Excerpt from Hearing - Hearst Claim & Consolidated Claims, October 1, 1997	18	17
Hearing, Application Nos. 1587-1, 1588-1, 1589-1, 1590-2, 1591-1, Spearfish Creek Watershed, 4/21/1999	18	18
1997 Court Documents	18	19
1997 Pleadings Book 1	19	1
1997 Pleadings II - Divisions	19	2
1997 Pleadings III, et. al.	19	3
2-1998 Findings of Fact, Conclusions of Law, Final Decision and Stipulations	19	4
<b>Subgroup VII: Department of Environmental and Natural Resources Documents</b>		
	<b>Box</b>	<b>Folder</b>
DENR Water Rights, 1960s - 1993	19	5
DENR Water Rights, 1993-1996	19	6
DENR - Division of Water Rights, Appeal	19	7

**Homestake Mining Company General Files**

---

DENR - Research from Water Rights Appeal (1 of 2)	19	8
DENR - Research from Water Rights Appeal (2 of 2)	19	9
DENR - Water Rights Appeal Documents	19	10
DENR - Water Rights Appeal Information, 1997	20	1
DENR - Water Rights Appeal Information, 1998	20	2
DENR - Water Rights Appeal - Reports, 1898 (copies)	20	3
DENR - Water Rights Appeal - Research and Court Documents (1 of 3)	20	4
DENR - Water Rights Appeal - Research and Court Documents (2 of 3)	20	5
DENR - Water Rights Appeal - Research and Court Documents (3 of 3)	20	6

**Series 2: Homestake Mining Company General Files****General Note**

This series consists of general research and internal documents produced by the Homestake Mining Company regarding their acquisition and continual use of water rights. Many of the files include research, correspondence, and data on the topic of water rights. This series also includes the documentation surrounding the maintenance of the water system and its use appropriated for the cities of Lead and Deadwood.

## Homestake Files

<b>Subseries A: Homestake Files</b>		
	<b>Box</b>	<b>Folder</b>
Homestake Files - Authority - Articles and Legal Documents (1 of 2)	20	7
Homestake Files - Authority - Articles and Legal Documents (2 of 2)	20	8
Homestake Files - Colorado Water Files	20	9
Homestake Files - Cook Ditch	20	10
Homestake Files - Consultant's Report	20	11
Homestake Files - Consumption	20	12
Homestake Files - Contract - Black Hills Power and Light and Kirk	20	13
Homestake Files - Cutting Mine/Foster Ditch/Deadwood Ditch/Slime Plant	20	14
Homestake Files - Ditch Users	20	15
Homestake Files - HMC Exhibits, Applications No. 1385-1 and 1425-1, Dec 2, 1987	20	16
Homestake Files - HMC Water Rights	20	17



## Homestake Files

Homestake Files - HMC Water Leases	20	18
Homestake Files - Homestake Water Committee	20	19
Homestake Files - Issues	21	1
Homestake Files - Laws-Fuller, 1992	21	2
Homestake Files - Lead Water Study, Zogorski, 1990	21	3
Homestake Files - Meeting Notes	21	4
Homestake Files - Miscellaneous Documents	21	5
Homestake Files - Miscellaneous Reports	21	6
Homestake Files - Miscellaneous Water Files	21	7
Homestake Files - Miscellaneous Water Rights - 1	21	8
Homestake Files - Miscellaneous Water Rights - 2	21	9
Homestake Files - Miscellaneous Water Rights - 3	21	10
Homestake Files - Miscellaneous Water Rights - 4	21	11
Homestake Files - Miscellaneous Water Rights, Documents, 1970s-1990s	21	12

## Homestake Files

Homestake Files - Overheads	21	13
Homestake Files - Potential Lawsuit, 1970s-1980s	21	14
Homestake Files - Newspaper Articles	21	15
Homestake Files - Petition (Richard Fort)	21	16
Homestake Files - Ramsdell Ditch, Correspondence From:	21	17
Homestake Files - Ramsdell Ditch, Correspondence To:	21	18
Homestake Files - Records and Agreements	21	19
Homestake Files - Research and Annual Water Company Reports Correspondence	21	20
Homestake Files - Revival of the Homestake Mine	21	21
Homestake Files - Robb and Fuller Research, 1997	21	22
Homestake Files - Spearfish City Water Rights	21	23
Homestake Files - Spearfish Creek	21	24
Homestake Files - Spearfish Ditch Before the Water Management Board	21	25

## Homestake Files

Homestake Files - Spearfish Ditch, Miscellaneous	21	26
Homestake Files - Spearfish Ditch Receipts	21	27
Homestake Files - Spearfish Ditch Water Agreements	21	28
Homestake Files - Stabio Water Rights	21	29
Homestake Files - Upper Whitewood Agreement	22	1
Homestake Files - U.S. Geological Survey, Rapid Creek Basin	22	2
Homestake Files - Vested Applications	22	3
Homestake Files - Water Contract - City of Deadwood/Pluma	22	4
Homestake Files - Water Rights Evaluation Report	22	5
Homestake Files - Water Rights General Information	22	6
Homestake Files - Water Rights Law, State of South Dakota, 1991	22	7
Homestake Files - HMC Water Rights Report, 1-25-1978	22	8
Homestake Files - Water Sale to City of Deadwood	22	9
Homestake Files - Water Studies, Deadwood and Homestake	22	10

## General Files

Homestake Files - Water Study, 1985	22	11
Homestake Files - Water Study, 1990	22	12
Homestake Files - Water System	22	13
<b>Subseries B: General Files</b>		
	<b>Box</b>	<b>Folder</b>
Abstract of Titles	22	14
Additions to Water Rights Report, 1978	22	15
Administrative Correspondence Regarding Water Rights	22	16
Agreement Between Homestake Mining Company and Banner Associates, Inc., Consulting Engineers, 1991	22	17
Atchison v. Hearst - Conclusions of Law, 1876	22	18
Black Hills Power and Light Company Meter Readings, 1990s	22	19
Chapter 74:02:01 - General Rules and Chapter 74:02:03 - Public Lake Elevations	22	20
Collection System Slides	22	21

## General Files

Dairy Production	22	22
Documents Regarding: Black Hills Canal and Water Company, Wyoming and Dakota Water Company, and Father DeSmet Consolidated Gold Mining Company, 8-10-1879	22	23
Documents Regarding: Father DeSmet Gold Mining Company (Consolidated) and "Capt. Foster"	22	24
Documents Regarding: Sale of Archibald Borland Estate to J.B. Haggin, et.al. (1 of 2)	22	25
Documents Regarding: Sale of Archibald Borland Estate to J.B. Haggin, et.al. (2 of 2)	22	26
Documents Regarding: Sale and Purchase of Water Rights (1 of 2)	22	27
Documents Regarding: Sale and Purchase of Water Rights (2 of 2)	22	28
Documents Regarding: Sale of Water to City of Spearfish, 1986	23	1
Ernst May, et. al., Settling Dam, 1879	23	2
Evanstown Land Purchase	23	3
Federal Bank Lease, First	23	4
Felmont Wells, 3-2914 (1 of 2)	23	5

## General Files

Felmont Wells, 3-2914 (2 of 2)	23	6
Fuller Report, 1977-1978	23	7
General Authority Documents	23	8
Grants, 1997-1998	23	9
Historical Data - Water Rights Claims	23	10
Historic Water Measurements, Pipe Sizes, etc.	23	11
Homestake Water Rights: Measurements (gpm) and Availability by Location	23	12
HMC Legal Department Report on Water Rights, 11-22-1977	23	13
HMC Water System Historic Notebook, Volume 1	23	14
HMC Water System Historic Notebook, Volume 2	23	15
Information Regarding: Belle Fourche and Cheyenne Rivers, 1977	23	16
Instructions and Applications for a Vested Right Claim and Water Usage	23	17
Internal Correspondence, HMC, 1977-1993	23	18

## General Files

Kellar and Kellar Miscellaneous Documents, 1938-1948	23	19
Key of Combined Maps Showing Ditches and Drainages	23	20
Lead-Deadwood Sanitary District No. 1 Water Rights	23	21
Leases and Agreements - Power Line and Road Right of Ways - Spearfish Sawmill and Golden Gate Roads	23	22
Location Certificates of Unpatented Claims, 1977	23	23
Loose Materials - Correspondence and Records from A.P. Fuller	23	24
Los Ochos, 1996 and Before	23	25
Los Ochos, 1997	23	26
Maps: Black Hills and Homestake Water Supply	23	27
Maitland, 1998 and Before	23	28
Maitland, 1999	23	29
Matthews Land, 1005, 1007	23	30
Matthews Ranch Purchase from Government	23	31

## General Files

Meeting Notes: Water Rights Meeting at Pierre, 1977	23	32
Miscellaneous Ditch Information	23	33
Miscellaneous Indentures, Deeds, and Land Agreements	23	34
Miscellaneous Legal Cases in Spearfish Valley	23	35
Miscellaneous Maps and Plats - Subsidence/Water Rights	23	36
Miscellaneous Meeting Notes	23	37
Miscellaneous Notes and Histories	24	1
Municipal Use Agreement - Black Hills Canal and Water to Deadwood/ Wyodak Water Company to Central City, 1879	24	2
National Indian Water Policy Review	24	3
National Press Release, Water Resources Policy Commission, 1950	24	4
Nature Conservancy Agreement	24	5
Nicholas Brothers	24	6
Notes - Homestake Water Rights	24	7



## General Files

Notes and Descriptive Material, Various Ditches	24	8
Out of State Well Permits and Interests	24	9
Patterson - 1997 and Before	24	10
Patterson - Jan-Jun 1998	24	11
Patterson - Jul-Dec 1998 (1 of 2)	24	12
Patterson - Jul-Dec 1998 (2 of 2)	24	13
Pipeline Flow Calculations, 1989-1993	24	14
Pole Line Right of Way - McGaffin, Robert Hugh, 1-25-1932	24	15
Potable Water Reports, 1982-1983; Summary of Work Projects and Miscellaneous Water Information	24	16
Report - Homestake Mining Company: South Dakota Water Rights	24	17
Report - Storage Capacities of Hypothetical Dams in Selected Drainages of the Northern Black Hills	24	18
Research - Elk Creek	24	19
Research - Little Rapid/Tillson	24	20

## General Files

Research - Peake (Spearfish Water Right)	24	21
Research - Spearfish (Hanna)	24	22
Right of Way (Four Leases) - Chicago, Burlington and Quincy Railroad Company, April 1966	24	23
Right of Way - Missile Site - Ellsworth Air Force Base, 1965	24	24
Right of Way - Rifle Pit and Willow Springs, July 1965	24	25
School Group	24	26
Section by Section Summary: Clean Water Act of 1977	24	27
South Dakota Water Rights - Homestake Mine	24	28
South Mill Rod Mill Foundations and Ore Bin Piers	24	29
Spearfish, Cape Horn Abstract, 1876, 1879	24	30
Spearfish Hydro Electric No. 1 - 1909 Application for Right of Way Across U.S. Forest Reserve for Ditch, Tunnel, and Pipeline	24	31
State of South Dakota vs. Rippling Water Ranch - State Created Water Rights	24	32
Status Report: Homestake Mine Water Rights	24	33

## General Files

Status Report, 1978 and Miscellaneous Research	24	34
Subsidence	24	35
Subsidence Crack Reports	24	36
Subsidence Report Prints	24	37
Subsidence Report Tracings	24	38
Subsidence Plans of Central School Buildings, 1938-1940	24	39
Tindall Place - Application for Permit to Appropriate Water, Butte County	24	40
Tourney, Clement and Evans, Spearfish Water Rights	24	41
WASP, ARR 3/1996	25	1
Water Claims: Location to Present Title Report, 1982	25	2
Water Conservation Committee Status Report - HMC Water Rights, 7-10-1978	25	3
Water Conservation Meeting Notes, HMC, 1977	25	4
Water Contamination and Rights, 1940	25	5

## Lead/Deadwood Water System Files

Water Legislation, 1970s	25	6
Water Matters: Record of Titles (photocopies)	25	7
Water Rights Cancellation Notices, Applications and Clippings of Public Notices	25	8
Water Rights - Reports, Maps, Memos (1 of 2)	25	9
Water Rights - Reports, Maps, Memos (2 of 2)	25	10
Water Rights Settlement and Exchange Agreement: Gila River Watershed, 1977	25	11
Western Regional Council: Memos, Member List, 1977-78	25	12
Wyodak Coal Manufacturing Company - Maps and Documents	25	13
Zonie Brost Property	25	14
<b>Subseries C: Lead/Deadwood Water System Files</b>		
	<b>Box</b>	<b>Folder</b>
1879 Black Hills Deadwood	25	15
1901 Black Hills Water Company and HMC	25	16

## Lead/Deadwood Water System Files

1905 Black Hills Water and Coal to HMC	25	17
1947 Deadwood and HMC Water Agreement	25	18
1993 - Water Sale Agreement	25	19
CH2M Hill - Clean Copies - Task 2 Infiltration In Flow Analysis Report	25	20
Deadwood Supply	25	21
Deadwood-Lead Water - Black Hills Canal and Water Company Water Supply Contract with Deadwood, 1895	25	22
Deadwood-Lead Water - Clark-Bowen Ditch	25	23
Deadwood-Lead Water - Colorado Water District 38 - Decrees Adjudicating Priorities, 1912	25	24
Deadwood-Lead Water - Correspondence from NJS Engineering	25	25
Deadwood-Lead Water - Deadwood Elevations	25	26
Deadwood-Lead Water - Deposition - Dave McDowell	25	27
Deadwood-Lead Water - Drawings - Statistics - Hydrants - Pressures	25	28
Deadwood-Lead Water - Elk Creek	25	29

## Lead/Deadwood Water System Files

Deadwood-Lead Water - Englewood	25	30
Deadwood-Lead Water - Englewood Division	25	31
Deadwood-Lead Water - Flow Records, Part 1 (1 of 2)	25	32
Deadwood-Lead Water - Flow Records, Part 1 (2 of 2)	25	33
Deadwood-Lead Water - Flow Records, Part 2 (1 of 2)	25	34
Deadwood-Lead Water - Flow Records, Part 2 (2 of 2)	25	35
Deadwood-Lead Water - Flow Study, Homestake Mining, Oct-Nov 1992	26	1
Deadwood-Lead Water - Hanna Pump Station Information	26	2
Deadwood-Lead Water - HMC Mine Superintendent's Report	26	3
Deadwood-Lead Water - HMC Water Balance, 1989-1991	26	4
Deadwood-Lead Water - Information from Deadwood and Lead	26	5
Deadwood-Lead Water - Little Elk Ditch	26	6
Deadwood-Lead Water - Little Rapid Ditch	26	7
Deadwood-Lead Water - Materials From Doug Halbe	26	8

## Lead/Deadwood Water System Files

Deadwood-Lead Water - Meter/Tap Information	26	9
Deadwood-Lead Water - Peake Ditch	26	10
Deadwood-Lead Water - Reference - Blackstone Letter to Grier Describing the Water System	26	11
Deadwood-Lead Water - Reference - Historical Information	26	12
Deadwood-Lead Water - Repairs and Maintenance on Ditches	26	13
Deadwood-Lead Water - Reports - Arleth and Associates, 1993	26	14
Deadwood-Lead Water - Report - Brady Engineering - Comprehensive Plan #3 for Deadwood, 1969	26	15
Deadwood-Lead Water - Report - CH2M Hill - Infiltration/Inflow Analysis - Task 1	26	16
Deadwood-Lead Water - Deadwood-Lead Water - Report - CH2M Hill - Infiltration/Inflow Analysis - Task 2	26	17
Deadwood-Lead Water - Report - HKM Associates - Water System Master Plan for Deadwood	26	18
Deadwood-Lead Water - Kirkham, Michael, and Associates - Water System Improvements - Master Plan, 1963	26	19

## Lead/Deadwood Water System Files

Deadwood-Lead Water - McLaughlin - Preliminary Design of Potable Water Treatment Facilities	26	20
Deadwood-Lead Water - NJS Engineering - Nov. 1989 - Water Report Prepared for Deadwood	26	21
Deadwood-Lead Water - Report - New Water Supply to HMC - by Chester Davis, 1898	26	22
Deadwood-Lead Water - Report on Quantification of Historic Municipal Water Use in Lead, Deadwood, Central City, and Associated Communities	26	23
Deadwood-Lead Water - Report - Utility Technical Services - Leak Detection Report, 6-2-1992	26	24
Deadwood-Lead Water - Reports - Utility Technical Services - Leak Detection Report - 9-30-1992	26	25
Deadwood-Lead Water - Report - Wade Miller Associated - Economic Analysis, 1992	26	26
Deadwood-Lead Water - Report - Zogorski - Assessment of Issues and Management Alternatives for the HMC Potable	26	27
Deadwood-Lead Water - Report - Zogorski - Compilation of the Information on the HMC Potable Water System	26	28
Deadwood-Lead Water - Richard Fort Submittal, 1994	26	29



## Lead/Deadwood Water System Files

Deadwood-Lead Water - Sanitary District Figures	26	30
Deadwood-Lead Water - Spearfish Ditch	26	31
Deadwood-Lead Water - Spearfish Creek Water Rights - Real Estate Appraisal Report, Sept. 20, 1995	26	32
Deadwood-Lead Water - Spearfish Irrigation	26	33
Deadwood-Lead Water - Spearfish Peake	26	34
Deadwood-Lead Water - Text on Water System from HMC	26	35
Deadwood-Lead Water - Transmittal of Materials, 1-5-1999	26	36
Deadwood-Lead Water - Water Agreement, 1985 - HMC and Deadwood	26	37
Deadwood-Lead Water - Water Rates	26	38
Deadwood-Lead Water - Water System Prior to 1996 Water Treatment Plant (1 of 2)	26	39
Deadwood-Lead Water - Water System Prior to 1996 Water Treatment Plant (2 of 2)	26	40
Deadwood-Lead Water - Tank Volumes	26	41
HMC Historic Documents on Flows and Systems	27	1

## Lead/Deadwood Water System Files

J and J Experience	27	2
Key Historical Notes for Review	27	3
Kirk Power Plant Use and Hearst	27	4
Location Maps	27	5
Miscellaneous Files: HMC Water Rights, Folder 1	27	6
Miscellaneous Files: HMC Water Rights, Folder 2	27	7
Miscellaneous Files: HMC Water Rights, Folder 3	27	8
Municipal Use	27	9
Old Ditches	27	10
On David Miller Notes	27	11
Safe Drinking Water Act & HMC	27	12
Water District No. 38 - Decrees Adjudicating Priorities - Garfield County Colorado, Prior to Jan 1, 1912	27	13
Water Rights - Environment Laws and Regulations (1 of 2)	27	14

## Daily Operating Reports and Measurements

Water Rights - Environment Laws and Regulations (2 of 2)	27	15
Wright Water Engineers - Hearst Water Right Documents (1 of 2)	27	16
Wright Water Engineers - Hearst Water Right Documents (2 of 2)	27	17

**Series 3: Daily Operating Reports and Measurements****General Note**

This series consists of the daily operating reports created and used by the Homestake Mine's water and treatment plants. This includes the Englewood Power Station, the Hanna Pump Station, the Spearfish Hydro Electric Plants 1 & 2, and the Steam Auxiliary Station. Additionally includes Demand Tabulations and Curves for the Kirk Power Plant, Power Report Cards and Worksheets, Weir Measurements and Circle Graphs for the Hanna Pump Station, Water reports for multiple stations, and records of pipeline work.

**Box**

Daily Operating Report of the Englewood Power Station, 1907 - 1918, Miscellaneous Reports Folder - Englewood	28
Daily Operating Report of the Englewood Power Station, 1919 - 1924	29
Daily Operating Report of the Englewood Power Station, 1925 - 1931	30
Daily Operating Report of the Englewood Power Station, 1932 - 1940	31
Daily Operating Report of the Englewood Power Station, 1941 - 1949	32

## Daily Operating Reports and Measurements

Daily Operating Report of the Englewood Power Station, 1950 - 1955, 1957, 1958 - 1968 (not inclusive)	33
Daily Operating Report of the Hanna Pump Station, 1916-1923	34
Daily Operating Report of the Hanna Pump Station, 1924-1930	35
Daily Operating Report of the Hanna Pump Station, 1931-1938	36
Daily Operating Report of the Hanna Pump Station, 1939-1946	37
Daily Operating Report of the Hanna Pump Station, 1947-1953	38
Daily Operating Report of the Spearfish Hydro-Electric Station #1, 1912-1914, 1919-1922, Miscellaneous Reports Folder	39
Daily Operating Report of the Spearfish Hydro-Electric Station #1, 1927-1933	40
Daily Operating Report of the Spearfish Hydro-Electric Station #1, 1934-1940	41
Daily Operating Report of the Spearfish Hydro-Electric Station #1, 1941-1947	42
Daily Operating Report of the Spearfish Hydro-Electric Station #1, 1948-1953	43
Daily Operating Report of the Spearfish Hydro-Electric Station #1, 1954-1959	44
Daily Operating Report of the Spearfish Hydro-Electric Station #1, 1960-1962, 1964-1966	45

Daily Operating Reports and Measurements

---

Daily Operating Report of the Spearfish Hydro-Electric Station #1, 1967-1972	46
Daily Operating Report of the Spearfish Hydro-Electric Station #1, 1973-1979	47
Daily Operating Report of the Spearfish Hydro-Electric Station #1, 1980-1987	48
Daily Operating Report of the Spearfish Hydro-Electric Station #1, 1988-1994	49
Daily Operating Report of the Spearfish Hydro-Electric Station #2, 1918-1923, Miscellaneous Reports Folder	50
Daily Operating Report of the Spearfish Hydro-Electric Station #2, 1924-1929	51
Daily Operating Report of the Spearfish Hydro-Electric Station #2, 1930 - 1935	52
Daily Operating Report of the Spearfish Hydro-Electric Station #2, 1936-1941	53
Daily Operating Report of the Spearfish Hydro-Electric Station #2, 1942-1947	54
Daily Operating Report of the Spearfish Hydro-Electric Station #2, 1948-1953	55
Daily Operating Report of the Spearfish Hydro-Electric Station #2, 1954-1959	56
Daily Operating Report of the Spearfish Hydro-Electric Station #2, 1960-1965	57
Daily Operating Report of the Spearfish Hydro-Electric Station #2, 1966-1971	58

**Daily Operating Reports and Measurements**

---

Daily Operating Report of the Spearfish Hydro-Electric Station #2, 1972-1979	59
Daily Operating Report of the Spearfish Hydro-Electric Station #2, 1980-1986	60
Daily Operating Report of the Spearfish Hydro-Electric Station #2, 1987-1993, 1994-1998 (not inclusive)	61
Daily Operating Report of the Steam Auxiliary Station, 1916-1922, Misc. Folder	62
Daily Operating Report of the Steam Auxiliary Station, 1923-1929	63
Daily Operating Report of the Steam Auxiliary Station, 1930-1935	64
Kirk Demand Tabulations & Curves, 1936-1943	65
Kirk Demand Tabulations & Curves, 1944-1952	66
Kirk Demand Tabulations & Curves, 1953-1957	67
Kirk Demand Tabulations & Curves, 1958-1962	68
Kirk Demand Tabulations & Curves, 1963-1964	69
Kirk Demand Tabulations & Curves, 1965-1968	70
Kirk Demand Tabulations & Curves, 1969-1972	71

## Daily Operating Reports and Measurements

Kirk Demand Tabulations & Curves, 1973-1976		72
Kirk Demand Tabulations & Curves, 1977-1980		73
Kirk Demand Tabulations & Curves, 1981-1984		74
Kirk Demand Tabulations & Curves, 1985-1987		75
	<b>Box</b>	<b>Folder</b>
Weir Measurements - Hanna, 1962-1985	76	1
Weir Measurements - Peake Pipeline, March 1994	76	2
Weir Measurements - Little Rapid Pipeline, March 1994	76	3
Weir Measurements - Clark Pipeline, March 1994	76	4
Weir Measurements - Elk Pipeline, March 1994	76	5
Weir Measurements - Spearfish Intake, March 1994	76	6
Weir Measurements - High Pressure Pipeline, March 1994	76	7
Weir Measurements - Peake plus Hanna, March 1994 (1 of 2)	76	8
Weir Measurements - Peake plus Hanna, March 1994 (2 of 2)	76	9

## Daily Operating Reports and Measurements

Weir Measurements - Water Diverted for Potable Water System	76	10
Weir Measurements - Hanna Pump Station, 1988-1989	76	11
Weir Measurements - Hanna Pump Station, 1990	76	12
Weir Measurements - Hanna Pump Station, 1991	76	13
Weir Measurements - Hanna Pump Station, 1992	76	14
Weir Measurements - Hanna Pump Station, 1993	76	15
Weir Measurements - Hanna Pump Station, 1994	76	16
Weir Measurements - Hanna Pump Station, 1994, 1996-1997	76	17
Hanna Pump Records, Sep 1916-Feb 1939	76	18
Hanna Pump Records, Feb 1939-Feb 1961	76	19
Hanna Pump Records, Feb 1961-Dec 1977	76	20
Water Reports - Hanna Pump Station, 1919-1931	76	21
Water Reports - Hanna Pump Station, 1956-1957, 1983-1989	76	22
Black Hills Power and Light Company Meter Readings, 1989-1992	77	1



## Daily Operating Reports and Measurements

Homestake Power Reports from Hydro-Electric Plants, 1913-1917	77	2
Homestake Power Reports from Hydro-Electric Plants, 1919-1920	77	3
Homestake Power Reports from Hydro-Electric Plants, 1925-1928	77	4
Homestake Power Reports from Hydro-Electric Plants, 1929-1933	77	5
Mine Pumping Record, 1949-1974	77	6
Miscellaneous Pipeline Water Reports	77	7
Monthly Power Report Sheets, 1957-1969	77	8
Monthly Power Report Sheets, 1979-1982	77	9
Monthly Power Report Sheets, 1983-1985	77	10
Monthly Power Report Sheets, 1986-1992	77	11
Pipeline Work, 1937 - Job #533, March 10-July 31, 1937	77	12
Pipeline Work, 1937	77	13
Pipeline Work, March-July 1937	77	14
Pipeline Work, October-December 1937	77	15

**Whitewood Creek - Superfund Site**

Pipeline Work, 1938	77	16
Statistical Notebook #1, c. 1940's	77	17
Statistical Notebook #2, c. 1940's	77	18
Work Ledger Book - Pipeline	77	19
Work Ledger Book - Pipeline and Pressure Records, 1917-1926	78	1
Work Ledger Book - Spearfish Hydro-Electric Plant, 1917-1940	78	2
		<b>Box</b>
Power Report Cards, 1966-1976		78
Circle Charts/Power Reports		79
Circle Charts		80
Kardex Cards		81
Daily Ditch Flows		82

**Series 4: Whitewood Creek - Superfund Site****General Note**

## Whitewood Creek - Superfund Site

This series consists of research, correspondence, documentation and reports regarding the Whitewood Creek area as a contamination site designated by the Environmental Protection Agency.

	<b>Box</b>	<b>Folder</b>
Geological Survey Bulletins, 1963-1967	83	1
Bureau of American Ethnology Bulletin 147	83	2
Reports and Research, 1860-1960 (1 of 3)	83	3
Reports and Research, 1860-1960 (2 of 3)	83	4
Reports and Research, 1860-1960 (3 of 3)	83	5
Reports and Research, 1970 (1 of 5)	83	6
Reports and Research, 1970 (2 of 5)	83	7
Reports and Research, 1970 (3 of 5)	83	8
Reports and Research, 1970 (4 of 5)	83	9
Reports and Research, 1970 (5 of 5)	83	10
Research and Reports, 1980	83	11
Research and Reports, 1981	83	12

## Whitewood Creek - Superfund Site

Research and Reports, 1982 (1 of 5)	83	13
Research and Reports, 1982 (2 of 5)	83	14
Research and Reports, 1982 (3 of 5)	83	15
Research and Reports, 1982 (4 of 5)	84	1
Research and Reports, 1982 (5 of 5)	84	2
Research and Reports, 1983	84	3
Research and Reports, 1984 (1 of 3)	84	4
Research and Reports, 1984 (2 of 3)	84	5
Research and Reports, 1984 (3 of 3)	84	6
Research and Reports, 1985 (1 of 2)	84	7
Research and Reports, 1985 (2 of 2)	84	8
Research and Reports, 1986	84	9
Research and Reports, 1988 (1 of 5)	84	10
Research and Reports, 1988 (2 of 5)	84	11

## Whitewood Creek - Superfund Site

Research and Reports, 1988 (3 of 5)	84	12
Research and Reports, 1988 (4 of 5)	84	13
Research and Reports, 1988 (5 of 5)	84	14
Research and Reports, 1989 (1 of 4)	84	15
Research and Reports, 1989 (2 of 4)	84	16
Research and Reports, 1989 (3 of 4)	85	1
Research and Reports, 1989 (4 of 4)	85	2
Research and Reports, 1990 (1 of 5)	85	3
Research and Reports, 1990 (2 of 5)	85	4
Research and Reports, 1990 (3 of 5)	85	5
Research and Reports, 1990 (4 of 5)	85	6
Research and Reports, 1990 (5 of 5)	85	7
Research and Reports, 1991 (1 of 3)	85	8
Research and Reports, 1991 (2 of 3)	85	9

## Whitewood Creek - Superfund Site

---

Research and Reports, 1991 (3 of 3)	85	10
Research and Reports, 1992 (1 of 3)	85	11
Research and Reports, 1992 (2 of 3)	85	12
Research and Reports, 1992 (3 of 3)	85	13
Research and Reports, 1993 (1 of 3)	85	14
Research and Reports, 1993 (2 of 3)	85	15
Research and Reports, 1993 (3 of 3)	85	16
Research and Reports, 1994 (1 of 3)	86	1
Research and Reports, 1994 (2 of 3)	86	2
Research and Reports, 1994 (3 of 3)	86	3
Research and Reports, 1995 (1 of 4)	86	4
Research and Reports, 1995 (2 of 4)	86	5
Research and Reports, 1995 (3 of 4)	86	6
Research and Reports, 1995 (4 of 4)	86	7

## Whitewood Creek - Superfund Site

Project Files, 1995	86	8
Research and Reports, 1996 (1 of 2)	86	9
Research and Reports, 1996 (2 of 2)	86	10
Project Files, 1996	86	11
1996 Administrative Record - EPA	86	12
Final Status Report and Technical Support Document for the 1997 Five Year Review	86	13
Research and Reports, 1997 (1 of 8)	86	14
Research and Reports, 1997 (2 of 8)	86	15
Research and Reports, 1997 (3 of 8)	86	16
Research and Reports, 1997 (4 of 8)	87	1
Research and Reports, 1997 (5 of 8)	87	2
Research and Reports, 1997 (6 of 8)	87	3
Research and Reports, 1997 (7 of 8)	87	4

## Whitewood Creek - Superfund Site

Research and Reports, 1997 (8 of 8)	87	5
Status Report and Technical Support Document for the 1997 Five Year Review	87	6
Sources, 1997 (1 of 2)	87	7
Sources, 1997 (2 of 2)	87	8
Whitewood, January 1 - June 30, 1997 (1 of 2)	87	9
Whitewood, January 1 - June 30, 1997 (2 of 2)	87	10
Whitewood, July 1 - September 30, 1997 (1 of 2)	87	11
Whitewood, July 1 - September 30, 1997 (2 of 2)	87	12
Deliverables	87	13
SF - Exhibits 4 & 6	87	14
Five Year Review	87	15
Status Report	87	16
Whitewood, September - December, 1997 (1 of 2)	87	17



## Whitewood Creek - Superfund Site

Whitewood, September - December, 1997 (2 of 2)	87	18
Research and Reports, 1998 (1 of 2)	87	19
Research and Reports, 1998 (2 of 2)	87	20
Whitewood October 1 - December 31, 1997 (1 of 2)	88	1
Whitewood October 1 - December 31, 1997 (2 of 2)	88	2
Status Report and Technical Support Document for the 1997 five year review	88	3
Whitewood Creek Superfund Site 5 Year Review, 1997	88	4
Final Status Report and Technical Support Document for the 1997 Five year Review	88	5
Evaluation of Whitewood Creek in the Vicinity of the USBR Siphon	88	6
Mercury Data 1997	88	7
Research and Reports, 1998 (1 of 3)	88	8
Research and Reports, 1998 (2 of 3)	88	9
Research and Reports, 1998 (3 of 3)	88	10

**Whitewood Creek - Superfund Site**

---

Whitewood January - June, 1998 Project Files

88

11

VHS Tapes Regarding Whitewood Creek

88

12