National Park Service U.S. Department of the Interior



# FINDING AID

# VEGETATION PROGRAM RECORDS 1895-present (bulk dates: 1930-2010)

Prepared by Megan Heigler, Hannah Marshall, Cathy Miller July 2013

> Updated by Suzanne Catharine June 2016

Yellowstone National Park Archives P O Box 168 Yellowstone National Park, WY 82190-0168

Catalog Number: YELL 210270

# TABLE OF CONTENTS

Copyright and Restrictions	ii
History	1
Scope and Content	2
Series Descriptions	4
Container List	6

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# HISTORY

While official keeping of records for vegetation management in Yellowstone National Park began in earnest in the 1930s, studies of the various flora, fungi and habitats of the park were carried out as early as the 1890s as is made evident by the presence of range plot photos of that era.

1890s: The documentation of vegetation begins, this includes studies of flora and fungi as well as range plot photography.

1890s-Present: Range studies and the use of transects and exclosures begins as an effort to study the changes in vegetation as well as the effects of grazing.

1920s: The Park begins to regulate wildflower picking and removal of plants from the park boundaries.

1920s-1950s: Herma Baggley, the first female park naturalist writes and illustrates several books, pamphlets, and papers on vegetation within the park with a specific emphasis on wildflowers.

1930s-1950s: James C. Evenden actively corresponds with the Park from the USDA Forest Insect Laboratory in Coeur d'Alene, Idaho.

1930s-1980s: Conservation forestry becomes the Park's focus, including ensuring roads and construction does not negatively impact trees and removal of hazard trees from high-use areas.

1930s-Present: Blister Rust and Mountain Pine Beetle activity becomes apparent within the forests in and around the park. These issues prompt ongoing interagency activity with the Park Service, Forest Service, and Montana and Wyoming State agencies.

1931: The first Annual Forestry Report is released.

1950s: Biologist Walter Kittams's implementation of Parker transects spurs heavy utilization of exclosures within the park.

1950s-1980s: Exotic plant eradication becomes a priority.

1970s: Attempts to introduce an insect (Calophasia lunula) into the park to control exotic plants (Dalmatian Toadflax) instead of what are viewed as more harmful pesticides.

1980s: "Let Burn" policy of allowing some monitored wildfires to burn is implemented.

1990s-Present: The Bridger Plant Materials Center becomes an ongoing partner of the Park in the fight against exotic plants.

# SCOPE AND CONTENT

	VEGETATION PROGRAM RECORDS 1895-present (bulk dates: 1930-2010)
CATALOG NUMBER	YELL 210270
VOLUME	28.2 LF
DESCRIPTION	The Vegetation Program Records detail the history of botany and environmental sciences inside Yellowstone National Park and the biomes native to the Greater Yellowstone Ecosystem: wetlands, grasslands, meadows, and alpine tundra.
	Special topics include pathology and disease epidemiology, encompassing the control and treatment of diseases caused by pathogens, infectious organisms, and other various environmental conditions. This collection also details the effect of invasive species, such as ectoparasites, endoparasites, and many non-native plant species affecting Yellowstone's plant life. Briefly covered are topics related to forestry, including fire ecology, and forest and landscape management
	This collection includes the research, data, and correspondence from Park officials, various scientists, field experts, and government organizations. This includes memoranda, maps, graphs, field journals, photographs, and audio and visual recordings.
ORGANIZATION	The collection is organized into five series:
	<ul> <li>Series I: Forestry Management</li> <li>Series II: Disease and Insects</li> <li>Series III: Exotic Plants, Grasses, Rare Vegetation, Wetlands and Wildflowers</li> <li>Series IV: Range Studies</li> <li>Series V: Exclosures and Transects</li> </ul>
	Series I, II, III and IV are arranged alphabetically by topic. Series V is partially arranged by location, the remainder of the series is arranged alphabetically by topic. Photographs

	can be found in all series and those affixed to final reports have been left in their original locations. Several charts and oversized photographs have been separated into oversized boxes. Maps have been separated to the Maps and Drawings collection. When possible a separation sheet has been filed in the original location, however, a significant number of maps related to vegetation were separated sometime prior to archival custody so the exact relationship with the projects and the original location within the files is unknown.
PROVENANCE	Records transferred from multiple park offices, including Fire Cache, Vegetation and Research Permits.
RESTRICTIONS	NO
ASSOCIATED MATERIALS	<ul> <li>James C. Evenden Papers, University of Idaho Library Special Collections Archives.</li> <li>Herma Alberston Baggley Papers, Yellowstone National Park Combined Archives.</li> </ul>
	<ul> <li>Yellowstone National Park Research Library.</li> <li>Maps and Drawings Collection, Yellowstone National Park Combined Archives.</li> </ul>

# SERIES DESCRIPTIONS

#### I. Forestry Management

The Forestry Management series encompasses a wide variety of issues including forest protection, timber sales, hazard tree removal in and around campgrounds, records of acreage, and cooperative agreements between agencies. This series consists of correspondence both from within the Park and from concerned members of the general public, memoranda, and reports, notes from scientists, and various scientific studies. The first Annual Forestry Reports, first released in 1931, is also found in this series. Maps related to these topics have been separated to the Maps and Drawings collection.

#### II. Diseases and Insects

The Diseases and Insects series includes documentation of the various diseases and insects that negatively affect flora both inside and outside Yellowstone National Park. The effect of Blister Rust on Lodgepole Pine is well documented in this series. Records of insects, such as Mountain Pine Beetle, and various diseases can also be found. This series also contains the correspondence, memoranda, reports, photographs, and personnel records documenting methods utilized by the Park to control the spread of disease and insects. Maps related to these topics have been separated to the Maps and Drawings collection.

#### III. Exotic Plants, Grasses, Rare Vegetation, Wetlands, and Wildflowers

The Exotic Plants, Grasses, Rare Vegetation, Wetlands, and Wildflower series is arranged topically and chronologically, and contains records from the Park Botanist office, including field season notebooks, reports on flora and fungi, and Herbarium curatorial files. Also included are correspondences between botanists, park officials, and general public concerning various questions about Park plant species, and restoration and revegetation efforts undertaken at various areas in the Park. Annual technical reports from the Bridger Plant Materials Center, ranging from the early 1990s through 2004 are also found inside this series. The Bridger Plant Center supports Montana and Wyoming in finding solutions for plant and soil issues such as combating erosion, extending grazing periods, improving species diversity in rangeland, and combating invasive species.

The bulk of the Exotic Plant files found in the series revolve around Dalmatian Toadflax and the Park's attempts to remove the invasive species with pesticides and keystone species, such as the Toadflax moth. General Plant Life includes documentation of various flora and grasses. This includes correspondence and plant surveys. The Wetland Management and Mitigation files detail the Park's efforts at maintaining and protecting wetland ecosystems from various construction and land use projects inside the park. A collection of photographic slides transferred from Yellowstone Resource Management Coordinator Dan Reinhart are included in this series, and document a number of exotic weeds projects and locations, such as Pelican Creek, Lake Pasture, and Hayden Valley Weeds. Maps related to these topics have been separated to the Maps and Drawings Collection.

#### IV. Range Studies

The Range Management series contains photographic and text documentation of ranges and grasslands within Yellowstone, with specific focus on the health of the vegetation and soil rather than animals (See Ungulates record group for animals).Topics include revegetation, soil moisture, erosion and work study proposals. Annual and monthly range reports can also be found.

Range Conservation Management records include interagency correspondence between the Forest Service and the Park, newsletters, and meeting minutes from scientific conferences, local interest groups, and inter-agency committees.

The series also includes the photographs from a 1992 rephotography project recording changes in vegetation and land utilization of plots over time. Photos include grassland documentation and black and white aerial images. Maps related to these topics have been separated to the Maps and Drawings Collection.

#### V. Exclosures and Transects

The Exclosure and Transects series includes forms and photographs documenting land changes in the Parks grasslands, mountains, and meadows. Forms include line transect, summaries of transect clusters, current range conditions and trend ratings, utilization plot summaries, vegetation analysis, vegetation plot data, and Vigor measurements. Also located in this series are many historical vegetation and aerial photographs used and taken by former NPS employee Doug Houston. Maps related to Exclosures and Transects have been separated to the Maps and Drawings Collection.

# **CONTAINER LIST**

# Series I: Forestry Management

Box 1	
01.01	Forest Protection: Correspondence, 1934-1935 [1 of 2]
01.02	Forest Protection: Correspondence, 1934-1935 [2 of 2]
01.03	Forest Protection: Correspondence, 1934
01.04	Forest Protection: Forestry Program, 1972
01.05	Forest Protection: Finance Reports and Justifications, 1935-1943
01.06	Forest Protection: Reports, 1976
01.07	Forest Protection: Reports, Forest Protection Requirements, 1931-1945
01.08	Forest Protection: Reports and Meeting Minutes, 1922-1938
01.09	Forestry Management: Bulletins and Circulars, 1940-1943
Box 2	
02.01	Forestry Management: Bulletins and Circulars, 1944-1953
02.02	Forestry Management: Burned Area Emergency Rehabilitation, 1995-1996
02.03	Forestry Management: Cooperative Agreements, 1943-1952
02.04	Forestry Management: Cooperative Agreements, 1988-1989
02.05	Forestry Management: Correspondence, 1938-1950 [1 of 3]
02.06	Forestry Management: Correspondence, 1938-1950 [2 of 3]
02.07	Forestry Management: Correspondence, 1938-1950 [3 of 3]
02.08	Forestry Management: Correspondence, 1940-1953
02.09	Forestry Management: Correspondence, 1948-1951
02.10	Forestry Management: Correspondence, 1964-1969
02.11	Forestry Management: Correspondence, 1966
Box 3	
03.01	Forestry Management: Correspondence, 1967
03.02	Forestry Management: Correspondence, 1970-1972
03.03	Forestry Management: Correspondence, 1977
03.04	Forestry Management: Correspondence, 1989
03.05	Forestry Management: Correspondence and Memoranda, 1971
03.06	[RESTRICTED] Forestry Management: Correspondence and Memoranda, 1972-1973
03.07	Forestry Management: Correspondence on Pesticide and Fire Reports, 1974
03.08	Forestry Management: Correspondence and Reports, 1931-1951
03.09	Forestry Management: Correspondence and Reports, 1965
03.10	Forestry Management: Correspondence and Reports, 1975-1976
03.11	Forestry Management: Correspondence, Seeds, 1971
03.12	Forestry Management: Daily News, 1942-1947
03.13	Forestry Management: Distribution Survey Training Materials
03.14	Forestry Management: Forest Acreage, 1954-1961
Box 4	
04.01	Forestry Management: Forester's Reading File, 1971 [1 of 2]
04.02	Forestry Management: Forester's Reading File, 1971 [2 of 2]
04.03	Forestry Management: Land and Resource Management Plan, 1987
04.04	Forestry Management: Limber Pine and Whitebark Pine, 1970
04.05	Forestry Management: Mapping, 1931-1948
04.06	Forestry Management: Memorandums, 1986
04.07	Forestry Management: Prescribed Fire Program Review, 1997
04.08	Forestry Management: Publications, 1942-1953

### Series I: Forestry Management (continued)

# Box 4 (continued)

04.09	Forestry Management: Publications and Reforestation, 1960-1964
04.10	Forestry Management: Publications, Word Forestry Congress, 1960-1966
04.11	Forestry Management: Reports, 1932-1971
04.12	Forestry Management: Reports, 1936-1960
Box 5	
05.01	Forestry Management: Reports, 1940
05.02	Forestry Management: Reports and Drafts, Ecology, 1993-1994
05.03	Forestry Management: Requests for Specimens, 1936-1939
05.04	Forestry Management: Requests for Specimens, 1940-1943
05.05	Forestry Management: Requests for Specimens, 1944-1953
05.06	Forestry Management: Research Requests and Hazard Trees, 1952-1970
05.07	Forestry Management: Statistics, 1965
05.08	Forestry Management: Survey Data, 1969
05.09	Forestry Management: Survey Data, 1970
05.10	Forestry Management: Trees, Correspondence, 1940-1953
05.11	Forestry Management: Kittams Quaking Aspen Study Data, 1965
05.12	Forestry Management: Photographs, Forest Conditions, 1935
05.13	Forestry Studies: Limber Pine, 1964
05.14	[RESTRICTED] Forestry Studies: Taylor, Dale S., Research on Lodgepole Pines,
	1964-1974
Box 6	
06.01	Forestry Studies: Whitebark Pine, 1981-1986
06.02	Forestry Studies: Whitebark Pine, 1988-1991
06.03	Forestry Studies: Willow Project, 2001
06.04	Forestry Studies: Willow Project 1988-1991 [1 of 2]
06.05	Forestry Studies: Willow Project 1988-1991 [2 of 2]
06.06	Nursery: Annual Reports, 1938-1959
06.07	Nursery: Correspondence, 1941-1942
06.08	Nursery: Correspondence and Reports, 1935-1941 [1 of 2]
06.09	Nursery: Correspondence and Reports, 1935-1941 [2 of 2]
06.10	Nursery: Correspondence, Surplus Nursery Stocks, 1939-1952
06.11	Nursery: Correspondence, Sylvaculture, 1936-1941
06.12	Nursery: Cost Keeping System, 1937
06.13	Nursery: Inventory of Stock, 1939
06.14	Nursery: Report, Nursery and Type Mapping, 1935
06.15	Nursery: Report on Site Selection, 1935
Box 7	
07.01	Reports: Annual, 1931-1932
07.02	Reports: Annual, 1935-1941 [1 of 2]
07.03	Reports: Annual, 1935-1941 [2 of 2]
07.04	Reports: Annual, 1942-1947
07.05	Reports: Annual, 1948-1952
07.06	Reports: Annual, 1950-1959
07.07	Reports: Annual, 1953-1956
07.08	Reports: Annual, 1957-1962
07.09	Reports: Annual, 1965
07.10	Reports: Annual, 1967

### Series I: Forestry Management (continued)

### Box 8

DUAU	
08.01	Reports: Annual, 1969
08.02	Reports: Annual, 1970
08.03	Reports: Annual, 1975
08.04	Reports: Annual and Memoranda, 1960-1970 [1 of 2]
08.05	Reports: Annual and Memoranda, 1960-1970 [1 of 2]
08.06	Reports: Annual, Memoranda, 1966
08.07	Reports: Annual and Monthly Memoranda, 1940-1943
08.08	Reports: Annual and Monthly Memoranda, 1944-1953
08.09	Reports: Chief Ranger's Office, Monthly Reports, 1935-1946
08.10	Reports: Chief Ranger's Office, Monthly Reports, 1947-1953
08.11	Reports: Fire Protection Requirements, 1930
08.12	Reports: Forester's Monthly Report, 1960-1967
08.13	Reports: Monthly, 1954-1956
Box 9	
09.01	Reports: Monthly, 1957-1962
09.02	Reports: Monthly, 1963-1964
09.03	Timber and Hazard Trees: Correspondence, 1954-1956
09.04	Timber and Hazard Trees: Correspondence, 1957-1959
09.05	Timber and Hazard Trees: Correspondence, 1963-1964
09.06	Timber and Hazard Trees: Correspondence, 1968
09.07	Timber and Hazard Trees: Correspondence, 1969
09.08	Timber and Hazard Trees: Correspondence, 1973
09.09	Timber and Hazard Trees: Correspondence, 1977
09.10	Timber and Hazard Trees: Correspondence, 1977-1978
09.11	Timber and Hazard Trees: Correspondence, 1979
09.12	Timber and Hazard Trees: Correspondence, 1983
09.13	Timber and Hazard Trees: Correspondence, 1984-1985
09.14	Timber and Hazard Trees: Correspondence, 1986-1998
09.15	Timber and Hazard Trees: Correspondence, Firewood, 1944-1953
09.16	Timber and Hazard Trees: Correspondence and Publications, 1957-1962
09.17	Timber and Hazard Trees: Firewood Cutting, 1983
09.18	Timber and Hazard Trees: Memoranda, 1975
09.19	Timber and Hazard Trees: Memoranda, 1981
09.20	Timber and Hazard Trees: Memoranda, Firewood, 1982
09.21	Timber and Hazard Trees: Moving and Planting Trees, 1937 -1945
09.22	Timber and Hazard Trees: Publications. 1938-1971
09.23	Timber and Hazard Trees: Report, Timber Management and Blue Ribbon Commission, 1969
09.24	Timber and Hazard Trees: Report, Mammoth Hot Springs Tree Condition Assessment, 2007
09.25	Timber and Hazard Trees: Tree Removal, Lake District, 1998
09.26	Timber and Hazard Trees: Wood Utilization and Timber Cutting, 1946-1952

### Series II: Diseases and Insects

01.01	Blister Rust: Correspondence, 1954
01.02	Blister Rust: Correspondence, 1955-1956
01.03	Blister Rust: Correspondence, 1968-1970
01.04	Blister Rust: Evaluation Report, APE, 1973

### Box 1 (continued)

Dox I (continueu)	
01.05	Blister Rust: History by H. D. Galusha III, undated
01.06	Blister Rust: Incidence Survey, Carnelian Area #5, 1968
01.07	Blister Rust: Incidence Survey, Carnelian Area #6 & 7, 1968-1970
01.08	Blister Rust: Incidence Survey, Carnelian Creek Area #8, 1970
01.09	Blister Rust: Incidence Survey, Carnelian Creek Area #10, 1968
01.10	Blister Rust: Incidence Survey, Carnelian Creek Area #10, 1970
01.11	Blister Rust: Incidence Survey, Carnelian Creek Area #8, 1971
01.12	Blister Rust: Incidence Survey, Carnelian Creek, Area #9, 1971
01.13	Blister Rust: Incidence Survey, Carnelian Creek, Area #10, 1971
01.14	Blister Rust: Incidence Survey, Carnelian Creek, Area #7, 1972
01.15	Blister Rust: Incidence Survey, Carnelian Creek, Area #8, 1972
01.16	Blister Rust: Incidence Survey, Carnelian Creek, Area #9, 1972
01.17	Blister Rust: Incidence Survey, Carnelian Area #10, 1972
01.18	Blister Rust: Incidence Survey, DeLacy Creek Area #22, 1972
01.19	Blister Rust: Incidence Survey, DeLacy Creek, Stand #22, 1971
01.20	Blister Rust: Incidence Survey, Dunraven Pass, Area #5, 1968
01.21	Blister Rust: Incidence Survey, Dunraven Pass, Area #16, 1970
01.22	Blister Rust: Incidence Survey, Dunraven Peak, Stand #17, 1970
01.23	Blister Rust: Incidence Survey, Elephant Back, #26, 1972
01.24	Blister Rust: Incidence Survey, General Plot Information, 1969
01.25	Blister Rust: Incidence Survey, General Plot, 1969-1972
01.26	Blister Rust: Incidence Survey, Glen Creek, Area #2, 1968
01.27	Blister Rust: Incidence Survey, Grebe Lake, Area # 1, 1970
01.28	Blister Rust: Incidence Survey, Grebe Lake, Area #1, 1971
01.29	Blister Rust: Incidence Survey, Ice Lake, Area #24, 1971
Box 2	
Box 2	Blister Rust: Incidence Survey, Daily Progress Reports, 1967
02.01	Blister Rust: Incidence Survey, Daily Progress Reports, 1967 Blister Rust: Incidence Survey, Field Data, 1968
02.01 02.02	Blister Rust: Incidence Survey, Field Data, 1968
02.01 02.02 02.03	Blister Rust: Incidence Survey, Field Data, 1968 Blister Rust: Incidence Survey, Field Data, 1970
02.01 02.02 02.03 02.04	Blister Rust: Incidence Survey, Field Data, 1968 Blister Rust: Incidence Survey, Field Data, 1970 Blister Rust: Incidence Survey, Indian Creek, Stand #13, 1970
02.01 02.02 02.03 02.04 02.05	Blister Rust: Incidence Survey, Field Data, 1968 Blister Rust: Incidence Survey, Field Data, 1970 Blister Rust: Incidence Survey, Indian Creek, Stand #13, 1970 Blister Rust: Incidence Survey, Indian Creek, Area #13, 1972
02.01 02.02 02.03 02.04 02.05 02.06	Blister Rust: Incidence Survey, Field Data, 1968 Blister Rust: Incidence Survey, Field Data, 1970 Blister Rust: Incidence Survey, Indian Creek, Stand #13, 1970 Blister Rust: Incidence Survey, Indian Creek, Area #13, 1972 Blister Rust: Incidence Survey, Lamar, Area #18, 1970
02.01 02.02 02.03 02.04 02.05 02.06 02.07	Blister Rust: Incidence Survey, Field Data, 1968 Blister Rust: Incidence Survey, Field Data, 1970 Blister Rust: Incidence Survey, Indian Creek, Stand #13, 1970 Blister Rust: Incidence Survey, Indian Creek, Area #13, 1972 Blister Rust: Incidence Survey, Lamar, Area #18, 1970 Blister Rust: Incidence Survey, Lewis Lake, Area #23, 1971
02.01 02.02 02.03 02.04 02.05 02.06 02.07 02.08	Blister Rust: Incidence Survey, Field Data, 1968 Blister Rust: Incidence Survey, Field Data, 1970 Blister Rust: Incidence Survey, Indian Creek, Stand #13, 1970 Blister Rust: Incidence Survey, Indian Creek, Area #13, 1972 Blister Rust: Incidence Survey, Lamar, Area #18, 1970 Blister Rust: Incidence Survey, Lewis Lake, Area #23, 1971 Blister Rust: Incidence Survey, Lewis Lake, Stand # 15, 1970
02.01 02.02 02.03 02.04 02.05 02.06 02.07 02.08 02.09	Blister Rust: Incidence Survey, Field Data, 1968 Blister Rust: Incidence Survey, Field Data, 1970 Blister Rust: Incidence Survey, Indian Creek, Stand #13, 1970 Blister Rust: Incidence Survey, Indian Creek, Area #13, 1972 Blister Rust: Incidence Survey, Lamar, Area #18, 1970 Blister Rust: Incidence Survey, Lewis Lake, Area #23, 1971 Blister Rust: Incidence Survey, Lewis Lake, Stand # 15, 1970 Blister Rust: Incidence Survey, Lewis Lake, Stand # 14, 1970
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03.01	Blister Rust: Incidence Survey, Norris Junction, Cluster 28, 1972
03.02	Blister Rust: Incidence Survey, Observation Peak, Area #7, 1968
03.03	Blister Rust: Incidence Survey, Observation Point, Stand #18 & 12, 1968
03.04	Blister Rust: Incidence Survey, Observation Area #12, 1968
03.05	Blister Rust: Incidence Survey, Obsidian Cliff, Area #9 & 6, 1968-1970
03.06	Blister Rust: Incidence Survey, Obsidian Cliff, Stand #11, 1970
03.07	Blister Rust: Incidence Survey, Obsidian Cliff, #11, 1972
03.08	Blister Rust: Incidence Survey, Ochre Spring, Area # 29, 1972
03.09	Blister Rust: Incidence Survey Overview, 1967-1972
03.10	Blister Rust: Incidence Survey, Pelican Creek, Area #25, 1971
03.11	Blister Rust: Incidence Survey, Pelican Creek, Area #25, 1972
03.12	Blister Rust: Incidence Survey, Region 1, 1967-1968
03.13	Blister Rust: Incidence Survey, Tom Miner Basin, Stand #18, 1968
03.14	Blister Rust: Incidence Survey, Tower Creek, Area #20, 1970
03.15	Blister Rust: Incidence Survey, Tower Creek, Area #21, 1970
03.16	Blister Rust: Incidence Survey, Tower Creek, Area #19, 1970
03.17	Blister Rust: Incidence Survey, Tower to Carnelian, 1971
03.18	Blister Rust: Incidence Survey, Wolf Lake, Area #27, 1972
03.19	Blister Rust: Intensification, 1973
03.20	Blister Rust: Manuals and Reports, 1934-1938
03.21	Blister Rust: Maps, 1938
Box 4	
04.01	Blister Rust: Photographs [1 of 5], undated
04.02	Blister Rust: Photographs [2 of 5], undated
04.02	Blister Rust: Photographs [2 of 5], undated
04.04	Blister Rust: Photographs [4 of 5], undated
04.05	Blister Rust: Photographs, Grant Village Campground [5 of 5], undated
04.06	Blister Rust: Publications, 1942-1946
04.07	Blister Rust: Statistics, 1968
04.08	Blister Rust: William H. Hendrickson Report, 1970
04.09	Blister Rust Control: Chronology, 1968-1969
04.07	Dister Rust Control. Chronology, 1900 1909
Box 5	
05.01	Blister Rust Control: Correspondence, 1944-1950 [1 of 2]
05.02	Blister Rust Control: Correspondence, 1944-1950 [2 of 2]
05.02	Blister Rust Control: Correspondence, 1950-1973
05.04	Blister Rust Control: Correspondence, 1956
05.05	Blister Rust Control: Correspondence, 1963
05.06	Blister Rust Control: Correspondence, 1965
05.07	Blister Rust Control: Correspondence, 1966
05.08	Blister Rust Control: Correspondence, 1968-1973
05.09	Blister Rust Control: Distribution Survey, 1968
05.10	Blister Rust Control: Distribution Survey, 1969
05.11	Blister Rust Control: Distribution Survey, 1909 Blister Rust Control: Distribution Survey, 1970
05.12	Blister Rust Control: Distribution Survey, 1970 Blister Rust Control: Distribution Survey, 1971
05.12	Blister Rust Control: Distribution Survey, 1971 Blister Rust Control: Distribution Survey, 1972
05.13	Blister Rust Control: Evaluation, 1968-1971
05.17	Dister Rust Control. Evaluation, 1900-1971

#### **Box 6** 06.01

BOX 0	
06.01	Blister Rust Control: Orientation Packet, 1972
06.02	[RESTRICTED] Blister Rust Control: Personnel, 1948
06.03	[RESTRICTED] Blister Rust Control: Personnel, 1949
06.04	[RESTRICTED] Blister Rust Control: Personnel, 1950
06.05	[RESTRICTED] Blister Rust Control: Personnel 1951
06.06	[RESTRICTED] Blister Rust Control: Personnel, 1952
06.07	Blister Rust Control: Personnel and Photographs, 1958-1967
06.08	Blister Rust Control: Photographs, 1940-1959
06.09	Blister Rust Control: Photographs, 1949-1950
06.10	Blister Rust Control: Plots, 1956-1960
06.11	Blister Rust Control: Plots, 1959-1961
06.12	Blister Rust Control: Publications, 1970
06.13	Blister Rust Control: Region 1 Handbook [1 of 2]
06.14	Blister Rust Control: Region 1 Handbook [2 of 2]
06.15	Blister Rust Control: Reports, 1945-1947
Box 7	
07.01	Blister Rust Control: Reports, 1965
07.02	Blister Rust Control: Reports, 1972-1978
07.03	Blister Rust Control: Reports and Maps, 1940-1946
07.04	Blister Rust Control: Reports and Statistics, 1964-1968
07.05	Blister Rust Control: Scouting and Spread, 1944-1965
07.06	Blister Rust Control: Surveys and General Correspondence, 1936-1939
07.07	Blister Rust Control: Surveys and General Correspondence, 1940-1943
07.08	Blister Rust Control: Surveys and General Correspondence, 1944-1946
07.09	Blister Rust Control: Surveys and General Correspondence, 1947
07.10	Blister Rust Control: Surveys and General Correspondence, 1948-1950
Box 8	
08.01	Blister Rust Control: Surveys and General Correspondence, 1951-1954
08.02	Blister Rust Control: Survey, Mt. Washburn, 1950-1951
08.03	Blister Rust Control: Whitebark Pine, Bear Use, 1996-2001
08.04	Blister Rust Control: Whitebark Pine, Correspondence, 1986-2006
08.05	Blister Rust Control: Whitebark Pine, "Monitoring the Status of Whitebark Pine in the
	Greater Yellowstone Ecosystem," 1999 - 1997
08.06	Blister Rust Control: Whitebark Pine, Publications, 2003
08.07	Blister Rust Control: Whitebark Pine, "Status and Distribution of White Park Pine in
	Glacier, Grant Teton, and Yellowstone National Park," 1995-2001
08.08	Blister Rust Control: Whitebark Pine, Surveying and Objective Summaries, 2004-2005
08.09	Blister Rust Control: Whitebark Pine, Transects, 1986-2005
08.10	Blister Rust Control: Whitebark Pine, Slides, 1988-1997
08.11	Insects: Control Surveys and Correspondence, FY 1932 [1 of 2]
08.12	Insects: Control Surveys and Correspondence, FY 1932 [2 of 2]
08.13	Insects: Control Surveys and Correspondence, FY 1933
Dor 0	

09.01	Insects: Correspondence, 1935-1951
09.02	Insects: Correspondence, 1952-1957 [1 of 2]
09.03	Insects: Correspondence, 1952-1957 [2 of 2]
09.04	Insects: Correspondence, 1957-1961
09.05	Insects: Correspondence, 1968-1971

# Box 9 (continued)

09.06	Insects: Correspondence, 1980-1993
09.07	Insects: Correspondence, 1987
09.08	Insects: Dale Taylor's Report, 1974-1980
09.09	Insects: Data Sheet, Insect Infestation, 1935-1937
Box 10	
10.01	Insects: Infestation, 1936-1952
10.02	Insects: Infestations and Surveys, 1936-1939
10.03	Insects: Infestations and Surveys, 1940-1943
10.04	Insects: Infestations and Surveys, 1944-1947
10.05	Insects: Infestations and Surveys, 1948-1953
10.06	Insects: Mountain Pine Beetle, 1934-1936
10.07	Insects: Mountain Pine Beetle, 1963-1964
10.08	Insects: Mountain Pine Beetle, 1982-1985
10.09	Insects: Mountain Pine Beetle, Western Pine Beetle & "Red Belt" Injury, 1920-1921, 1957
10.10	Insects: Mountain Pine Beetle & Pesticide Programs, 1966
10.11	Insects: Reports, Annual Forest Insect, 1930-1936
10.12	Insects: Reports, Annual Forest Insect, 1937-1939
Box 11	
11.01	Insects: Reports, Annual Forest Insect, 1940-1953
11.02	Insects: Reports, Annual Forest Insect Book, 1931-1935
11.03	Insects: Reports, Annual Forest Insect Status, Idaho & Montana, 1939-1940, 1949
11.04	Insects: Reports, Barkbeetle, 1931-1939
11.05	Insects: Reports, Black-Headed Budworm, 1957
11.06	Insects: Reports, Black Hills Beetle, 1948
11.07	Insects: Reports, Defoliating Insects, 1955
11.08	Insects: Reports, Douglas Fir Beetle, 1933, 1937
11.09	Insects: Reports, Biological Survey of Stevenson Island, 1932
11.10	Insects: Reports, Engelmann Spruce Beetle, 1937
11.11	Insects: Reports, Forest Insect Problems, 1924, 1934-1935
11.12	Insects: Reports, Forest Pest Fund Activities, 1949
11.13	Insects: Reports, Insect Conditions, 1938-1939, 1956
11.14	Insects: Reports, Insect Conditions, 1926-1934
11.15	Insects: Reports, Insect Control Project, 1934
11.16	Insects: Reports, Insect Attacking, 1926
Box 12	
12.01	Insects: Reports, Insect Depredations, 1927
12.02	Insects: Reports, Insect Depredations, 1928
12.03	Insects: Reports, Insect Infestations, 1940, 1960
12.04	Insects: Reports, Insect Surveys, 1932-1935, 1941
12.05	Pests and Control: Correspondence, 1968
12.05	Insects: Reports, Larch Casebearer, 1968
12.06	Insects: Reports, Oregon Engraver Beetle, 1933
12.07	Insects: Reports, Mountain Pine Beetle, 1928-1931
12.08	Insects: Reports, Mountain Pine Beetle, 1931
12.09	Insects: Reports, Mountain Pine Beetle, 1932-1933
12.10	Insects: Reports, Mountain Pine Beetle, 1934-1935
12.11	Insects: Reports, Mountain Pine Beetle, 1936-1947

#### Box 12 (continued)

12.12

Box 13		
13.01	Insects: Reports, Timber and Insect Survey Work, 1930	
13.02	Insects: Reports, Trees, 1924 [1 of 2]	
13.03	Insects: Reports, Trees, 1924 [2 of 2]	
13.04	Insects: Reports, Trees, 1925	
13.05	Insects: Reports, Trees, 1923	
13.06	Insects: Reports, Timber Defoliation, 1923	
13.07	Insects: Spruce Budworm Control, 1952-1956	
13.08	Insects: Spruce Budworm Control 1953-1957	
13.09	Insects: Spruce Budworm Control, 1954-1955	
Box 14		
14.01	Insects: Spruce Budworm Control, 1956-1957	
14.02	Insects: Spruce Budworm Control, 1957	
14.03	Insects: Spruce Budworm Control, 1958-1962	

Insects: Reports, Spruce Budworm, 1923-1959

14.04	Insects: Spruce Budworm Control, Treatment Maps, 1956-1957
14.05	Pests and Control: Comandra and Mistletoe Survey, 1962
14.06	Pests and Control: Correspondence, 1983-1984
14.07	Pests and Control: Correspondence, 1940-1955
14.08	Pests and Control: Correspondence, 1956
14.09	Pests and Control: Correspondence, 1957-1961
14.10	Pests and Control: Correspondence, 1957-1973

- 14.11Pests and Control: Correspondence, 196514.12Pests and Control: Correspondence, 1967 [1 of 2]14.13Pests and Control: Correspondence, 1967 [2 of 2]
- 14.14Pests and Control: Correspondence, 1968

#### **Box 15**

15.01	Pests and Control: Correspondence, 1968-1969
15.02	Pests and Control: Correspondence, 1970
15.03	Pests and Control: Correspondence, 1971
15.04	Pests and Control: Correspondence, 1972
15.05	Pests and Control: Correspondence, 1973
15.06	Pests and Control: Correspondence, 1974
15.07	Pests and Control: Herbicide, Notes, undated
15.08	Pests and Control: Insect Depredations, 1929-1930 [1 of 2]
15.09	Pests and Control: Insect Depredations, 1929-1930 [2 of 2]
15.10	Pests and Control: Insect Depredations and Timber Surveys, 1930

16.01	Pests and Control: Insect Depredations and Timber Surveys, 1931
16.02	Pests and Control: Insect Depredations and Timber Surveys, 1931 [1 of 2]
16.03	Pests and Control: Insect Depredations and Timber Surveys, 1931 [2 of 2]
16.04	Pests and Control: John C. Gynn's Reports, 1962-1965 [1 of 2]
16.05	Pests and Control: John C. Gynn's Reports, 1962-1965 [2 of 2]
16.06	Pests and Control: Instruction, 1964-1968
16.07	Pests and Control: Memoranda, 1966-1975
16.08	Pests and Control: Pesticide Bids, 1953

#### **Box 17**

17.01	Pests and Control: Pesticide Use, 1982-1991
17.02	Pests and Control: Photographs
17.03	Pests and Control: Project Instructions for Yellowstone Park Forest, Insect and Type
	Map Survey, 1931
17.04	Pests and Control: Publications, 1947
17.05	Pests and Control: Publications, 1950-1967
17.06	Pests and Control: Publications, 1984-1992
17.07	Pests and Control: Ranger Poster, undated
17.08	Pests and Control: Reports, 1934-1966
17.09	Pests and Control: Reports, 1968
17.10	Pests and Control: Reports, 1973
17.11	Pests and Control: Training, Ten Lessons in Forest Entomology, 1929
17.12	Pests and Control: Tree Disease, 1963-1965
17.13	Pests and Control: USFS Responsibility in Yellowstone National Park, 1970-1971

### Series III: Exotic Plants, Grasses, Rare Vegetation, Wetlands and Wildflowers

#### Box 1

01.01	Botanist Files: Botanist's Notes, Rare Plants, 2007
01.02	Botanist Files: Botanist's Notes, Rare Plants, 2008
01.03	Botanist Files: Botanist's Notes, Rare Plants, 2009
01.04	Botanist Files: Construction Plans Madison-Tanker Curve, 1997
01.05	Botanist Files: Correspondence, 2002
01.06	Botanist Files: Draft Vascular Plant Species of Concern, 2007
01.07	Botanist Files: Draft Vascular Plant Species List, 1990
01.08	Botanist Files: Draft Vascular Plant Species List, 1991-2000
01.09	Botanist Files: Environmental Assessment, Madison to Norris, 1997
01.10	Botanist Files: Exotic Plants, 1991-2005
01.11	Botanist Files: Field Season Notebooks, 1989-1991
01.12	Botanist Files: Filed Season Notebooks, 1992-1994
01.13	Botanist Files: Field Season Notebooks, 1995-1997

#### Box 2

02.01	Botanist Files: Field Season Notebooks, 1998-1999
02.02	Botanist Files: Field Season Notebooks, 2000-2001
02.03	Botanist Files: Field Season Notebooks, 2002-2003
02.04	Botanist Files: Field Season Notebooks, 2004-2006
02.05	Botanist Files: Field Season Notebooks, 2007-2012
02.06	Botanist Files: Fungi Report, 2011
02.07	Botanist Files: Fungi Report Supplemental, 2011 [1 of 2]
02.08	Botanist Files: Fungi Report Supplemental, 2011 [2 of 2]
02.09	Botanist Files: Heavy Metal Study, 1994
02.10	Botanist Files: Herbarium Curatorial Files, 1987-1993 [1 of 2]
02.11	Botanist Files: Herbarium Curatorial Files, 1987-1993 [2 of 2]

03.01	Botanist Files: Interview with Dave Condon, Transcript, 1984
03.02	[RESTRICTED] Botanist Files: Meeting Minutes, Memoranda, Exotic Vegetation
	Management Resource Team, 1994-1995
03.03	[RESTRICTED] Botanist Files: Natural History Working Group, Correspondence and
	Meeting Notes, 1995

Box 3 (continued)	
03.04	Botanist Files: Plant Species of Concern, 1998
03.05	Botanist Files: Potential Parking Areas, Tanker Curve to Gibbon Meadows, undated
03.06	Botanist Files: Range Conditions, Mariposa Lake, 1979
03.07	Botanist Files: Rare Plant Occurrences, 2000-2011
03.08	Botanist Files: Rare Plants, Agrostis Rossiae, 1980-1982
03.09	Botanist Files: Rare Plants, Correspondence, 1978-1988
03.10	Botanist Files: Rare Plants Locations and Surveys, 2002
03.11	Botanist Files: Rare Plants Report, Norris to Golden, 2010
03.12	Botanist Files: Rare Plants Report, North and South Rim Drives, 2005
03.13	Botanist Files: Rare Plants Report, Isa Lake Bridge, 2012
03.14	Botanist Files: Rare Plant Survey, Canyon Development to Old Faithful, 2010
03.15	Botanist Files: Rare Plant Survey, Grayling Dorm, 2002
03.16	Botanist Files: Rare Plant Survey, Fourth & Water Street, Gardiner, Montana, 2002
03.17	Botanist Files: Rare Plant Survey, Lake Area, Abronia, undated
03.18	Botanist Files: Rare Plant Survey, Lake Lighting Paths, 2002
03.19	Botanist Files: Rare Plant Survey, Madison Junction, 2006
03.20	Botanist Files: Rare Plant Survey, Madison to Norris, 1994-1996
03.21	Botanist Files: Rare Plant Survey, Nez Perce Cabin, 2008
03.22	Botanist Files: Rare Plant Survey, Norris Housing Area, 2005
03.22	Botanist Files: Rare Plant Survey, Old Faithful, 2010
03.24	Botanist Files: Rare Plant Survey, South Entrance, 2004
03.25	Botanist Files: Rare Plant Survey, Tower Junction and Vicinity, 2005-2006
03.26	Botanist Files: Rare Plant Survey, Vault Toilets, 2002
03.20	Botanist Files: Rare Plant Survey, West Entrance Station, 2002
03.28	Botanist Files: Rare Plant Survey, West Enhance Station, 2002 Botanist Files: Rare Plant Survey, West Yellowstone, 2004
03.29	Botanist Files: Rare Plant Survey, Winter Creek, Fox and Harebell Cabins, 2003
03.30	Botanist Files: Rare Plants Field Guide, Old Faithful, 2008-2010
05.50	Botanist Files. Rate Flants Field Guide, Old Faithful, 2008-2010
Box 4	
04.01	Botanist Files: Rare Plants Survey, Wetland Delineation Project, 2000-2001
04.02	Botanist Files: Restoration, Ricks to Tanker Curve, 2003
04.02	Botanist Files: Reparian Working Group, 1990
04.04	Botanist Files: Roads, East Entrance, 2000
04.05	Botanist Files: Soil Stampers Guide, 1991
04.06	Botanist Files: Soil Survey, East Entrance, 1991
04.07	Botanist Files: Survey of Wetlands, 2004-2005
	•
04.08 04.09	Botanist Files: Vegetation Inventory Gallatin, 2003-2009
	Botanist Files: Wetlands Survey, Arnica Creek to Little Thumb Creek, 1996
04.10	Botanist Files: Weed Training, 2003
04.12	Bridger Plant Materials Center: Annual Technical Report, 1991-1992
04.13	Bridger Plant Materials Center: Annual Technical Report, 1993-1995
04.14	Bridger Plant Materials Center: Annual Technical Report, 1998
Box 5	
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05.01	Bridger Plant Materials Center: Annual Technical Report, 1999
05.02	Bridger Plant Materials Center: Annual Technical Report, 2000
05.03	Bridger Plant Materials Center: Annual Technical Report, 2001
05.04	Bridger Plant Materials Center: Annual Technical Report, 2002
05.05	Bridger Plant Materials Center: Annual Technical Report, 2003
05.06 05.07	Bridger Plant Materials Center: Annual Technical Report, 2004 Bridger Plant Materials Center: Annual Technical Report, 2005

Box	6
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06.01	Bridger Plant Materials Center: Progress Report, 1991
06.02	Bridger Plant Materials Center: Progress Report, 1993
06.03	Bridger Plant Materials Center: Progress Report, 1994
06.04	Bridger Plant Materials Center: Progress Report, 1995
06.05	Bridger Plant Materials Center: Progress Report, 1996
06.06	Bridger Plant Materials Center: Progress Report, 1997
06.07	Bridger Plant Materials Center: Summary Report, FY 2000
06.08	Bridger Plant Materials Center: Summary Report, FY 2001
06.09	Bridger Plant Materials Center: Summary Report, FY 2002
06.10	Bridger Plant Materials Center: Summary Report, FY 2003
Box 7	
07.01	Bridger Plant Materials Center: Summary Report, FY 2004
07.02	Exotic Plants: Articles and Correspondence, 1996-1998
07.03	Exotic Plants: Butter and Eggs Dalmatian Toadflax Test Plots, 1962-1965
07.04	Exotic Plants: Business Management Plan, 2002
07.05	Exotic Plants: Calophasia Lunula, Daily Charts, 1970
07.06	Exotic Plants: Calophasia Lunula, Introduction to the Park, 1969-1971 [1 of 2]
07.07	Exotic Plants: Calophasia Lunula, Introduction to the Park, 1969-1971 [2 of 2]
07.08	Exotic Plants: Calophasia Lunula Logbook, 1970
07.09	Exotic Plants: Calophasia Lunula, Photography Reports, 1970
07.10	Exotic Plants: Calophasia Lunula, Progress Report, 1970
07.11	Exotic Plants: Calophasia Lunula, Reports, Plots and Experimental Data, 1968-1970
07.12	Exotic Plants: Cannabis Control Program, 1983-1984
Box 8	
08.01	Exotic Plants: Correspondence, 1954-1956
08.02	Exotic Plants: Correspondence, 1963-1973
08.03	Exotic Plants: Correspondence, 1976-1977
08.04	Exotic Plants: Correspondence, 1985
08.05	Exotic Plants: Correspondence, 1991-1996
08.06	Exotic Plants: Correspondence, 2000-2001
08.07	Exotic Plants: Correspondence, 2002
08.08	Exotic Plants: Correspondence and Articles, 1968-1970
08.09	Exotic Plants: Correspondence and Exotic Vegetation Management Plan, 1986
08.10	Exotic Plants: Correspondence and Memorandums, 1964-1970
08.11	Exotic Plants: Correspondence and Publications, 1957-1962
08.12	Exotic Plants: Correspondence, Weed Control, 1948-1950
08.13	Exotic Plants: Correspondence Weed Control, 1985-1998
08.14	Exotic Plants: Correspondence Weed Control, 1989-1995
08.15	Exotic Plants: Correspondence Weed Control, Herbicides, 1973-1995
08.16	Exotic Plants: Dalmatian Toadflax Correspondence, 1968
08.17	Exotic Plants: Dalmatian Toadflax History, 1962-1971
08.18	Exotic Plants: Environmental Assessment, 1996
08.19	Exotic Plants: Environmental Assessment Outline, 1997
08.20	Exotic Plants: Exotic Vegetation Management for Park Housing, Construction, 1985-2004
08.21	Exotic Plants: Exotic Species Inventory, 1994-2001
08.22	Exotic Plants: Exotic Vegetation Management Plan, 1986-1998

Box	9	

09.01	Exotic Plants: Herbicide Use in Yellowstone, 1992-1993
09.02	Exotic Plants: Lake District, Exotic Vegetation, 1995-2002
09.03	Exotic Plants: Management Meetings, 1995-2001
09.04	Exotic Plants: Management Plan, 1986-1996
09.05	Exotic Plants: Management Plan, 1997-2002
09.06	Exotic Plants: Memoranda, Weed Control, 1985
09.07	Exotic Plants: Plans and Progress, 1980-1971
09.08	Exotic Plants: Reports, 1989
09.09	Exotic Plants: Reports, 1990 [1 of 2]
09.10	Exotic Plants: Reports, 1990 [2 of 2]
09.11	Exotic Plants: Reports, 1991
09.12	Exotic Plants: Reports, 1992
09.13	Exotic Plants: Reports, 1993-1994
09.14	Exotic Plants: Reports, 1998
09.15	Exotic Plants: Reports, undated
09.16	Exotic Plants: Weed Control, 1983-1984
09.17	Exotic Plants: Weed Control Data, 2000-2002
09.18	Exotic Plants: Weed Control Plants, 1994-1996
09.19	Exotic Plants: Weeds Database Mapping Project, 1993-1998
Box 10	
10.01	Exotic Plants: Weed Data Collection, 1998
10.02	Exotic Plants: Weed Data Collection, 1990-1993
10.03	Exotic Plants: Weed Operation Plans, 1993
10.03	Exotic Plants: Weed Operation Plans, 1993
10.04	Exotic Plants: Photographic Slides From Dan Reinhart, 1992-1997
10.05	General Plant Life: Correspondence, 1927-1939
10.06	General Plant Life: Correspondence, 1936-1939
10.07	General Plant Life: Correspondence, 1940-1943 [1 of 2]
10.08	General Plant Life: Correspondence, 1940-1943 [2 of 2]
10.09	General Plant Life: Correspondence, 1944-1953
10.10	General Plant Life: Correspondence, 1950-1956
10.11	General Plant Life: Correspondence, 1963-1968
10.12	General Plant Life: Correspondence, 1970-1974
10.13	General Plant Life: Correspondence, 1978
10.14	General Plant Life: Correspondence, 1979-1984
10.15	General Plant Life: Correspondence, 1985-1987
10.16	General Plant Life: Correspondence, 1988-1995
10.17	General Plant Life: Despain, Don G., 1972-1973, 1986, 1989
10.18	General Plant Life: Gardiner Triangle, 1964-2002
10.19	General Plant Life: HWY-191 Roadside Vegetation Survey, 1995-2000
10.20	General Plant Life: Information Paper No, 19 and 32, 1973
10.21	General Plant Life, Notes on Arabis Fruticasia, undated
10.22	General Plant Life: Notes on Drosera Anglica, 1976
10.23	General Plant Life: Notes on Shrubs, undated

11.01	General Plant Life: Observation, 1931-1934
11.02	General Plant Life: Plant Inventory, 1979-1992
11.03	General Plant Life: Range Management, 1962-1966
11.04	General Plant Life: Research Proposal, 1989

Box 11 (continued)	
11.05	General Plant Life: Reports, Vegetation, 1971
11.06	General Plant Life: Stock Site Grazing, 1992
11.07	General Plant Life: Vegetation Data, 1987-1990
11.08	General Plant Life: Vegetation Management Meeting Notes, 1989-1990
11.09	General Plant Life: Vegetation Study, 1969
11.10	Habitat Type: Field Forms, 1975-1976
11.11	Habitat Type: Field Forms, 1979
11.12	Habitat Type: Eastern Idaho and Western Wyoming Field Forms, 1977
11.13	Habitat Type: General Information, 1975
11.14	Habitat Type: Progress Reports, 1977-1978
11.15	Habitat Type: Tree Core Samples, 1976
11.16	Revegetation: 1988-1989
11.17	Revegetation: Correspondence, 1962-1970
11.18	Revegetation: Promotion of Native Vegetation after Construction, 1971
Box 12	
12.01	Vegetation Changes: Comparative Photos, Black Butte, 1949, 1961
12.02	Vegetation Changes: Comparative Photos, Elk Creek, 1921, 1971
12.03	Vegetation Changes: Comparative Photos, Junction Butte, 1900, 1972
12.04	Vegetation Changes: Comparative Photos, Lamar Valley, 1958, 1962
12.05	Vegetation Changes: Comparative Photos, Mammoth-Tower Road, 1912-1915, 1972
12.06	Vegetation Changes: Comparative Photos, Soda Butte, 1895, 1948
12.07	Vegetation Changes: Comparative Photos, Wraith Falls Area, 1932, 1972
12.08	Vegetation Keys and Collection Lists: Baseline Vegetation Inventory, 1991
12.09	Vegetation Keys and Collection Lists: Collection Lists, 1975
12.10	Vegetation Keys and Collection Lists: Collection Lists, 1979
12.11	Vegetation Keys and Collection Lists: ELCODE Classification, 1993-1995
12.12	Vegetation Keys and Collection Lists: Flora Lists and Keys to Families, 1928
12.13	Vegetation Keys and Collection Lists: Flowering Plants on Mammoth Terraces, 1963
12.14	Vegetation Keys and Collection Lists: Key to Yellowstone National Park Wildflowers, 1931
12.15	Vegetation Keys and Collection Lists: Notes about Plant Species, undated
12.16	Vegetation Keys and Collection Lists: Plant Rankings, undated
12.17	Vegetation Keys and Collection Lists: Plants Removed from ET/E012, 1993
12.18	Vegetation Keys and Collection Lists: Poisonous and Infectious Flora and Fauna, 1979
12.19	Vegetation Keys and Collection Lists: Species List, 1978-1979
12.20	Vegetation Keys and Collection Lists: Western Regional Vegetation Classification, 1994
12.21	Vegetation: Maps, undated
12.22	Wetlands Management: Assessment, West Thumb Geyser Basin, 1999
12.23	Wetlands Management: Correspondence and Reports, 1981-1996
Box 13	
13.01	Wetlands Management: Delineation Report, East Entrance to Sylvan Pass, 2000
13.02	Wetlands Management: Delineation Report, Norris to Golden Gate, 2007
13.03	Wetlands Management: East Entrance, Biological Assessment, 2003
13.04	Wetlands Management: East Entrance Segment C, Profile Sheets, 2000-2001
13.05	Wetlands Management: East Entrance Segment C, Project Information Package, 2003 [1 of 3]
13.06	Wetlands Management: East Entrance Segment C, Project Information Package, 2003 [2 of 3]

# Box 13 (continued)

x 13 (continueu)	
13.07	Wetlands Management: East Entrance Segment C, Project Information Package, 2003
	[3 of 3]
13.08	Wetlands Management: East Entrance Segment C, Rock Cut Wetland Mitigation,
	Photo Documentation, 1995-2001 [1 of 2]
13.09	Wetlands Management: East Entrance Segment C, Rock Cut Wetland Mitigation,
	Photo Documentation, 1995-2001 [2 of 2]
13.10	Wetlands Management: East Entrance Segment C, Survey, 2003-2005
13.11	Wetlands Management: East Entrance Segment C, Wetland Impacts, 2003
13.12	Wetlands Management: East Entrance Segment C, Wetland Impacts, 2002-2003
13.13	Wetlands Management: Gibbon River Canyon, Wetland Restoration, 2015

#### **Box 14**

14.01	Wetlands Management: Madison River Restoration, 2000 - 2002
14.02	Wetlands Management: Mapping, Tower and Lamar River Bridge, 1991
14.03	Wetlands Management: Mitigation Canyon to Fishing Bridge, 2000-2001
14.04	Wetlands Management: Mitigation, Canyon to Tower, 2015
14.05	Wetlands Management: Mitigation, West Thumb to Lake Junction, 1996
14.06	Wetlands Management: Planning and Compliance, Mammoth Housing, 1995
14.07	Wetlands Management: Planning and Compliance, Canyon Village Water Pipes, 1993- 1997
14.08	Wetlands Management: Planning and Compliance, Telephone Modernization Project, 1992
14.09	Wetlands Management: Planning and Compliance, Wastewater Treatment Plant, 1998
14.10	Wetlands Management: Planning and Compliance, Trail Reroutes Around Wetlands, 1997
14.11	Wetlands Management: Potential Wetlands Management Sites, 2000
14.12	Wetlands Management: Primrose and Clemantis Creeks, 1997
14.13	Wetlands Management: Turbid Lake Restoration, Data Sheets, 2000-2002
14.14	Wetlands Management: Turbid Lake Restoration, Correspondence, 1997-2002
14.15	Wetlands Management: Turbid Lake Restoration, Proposal and Reports, 2000-2011
14.16	Wetlands Management: Turbid Lake Restoration, Reports, 1994-1995
14.17	Wetlands Management: Turbid Lake Restoration, Reports, Phase 2, 2001-2002
14.18	Wetlands Management: Turbid Lake Restoration, Resource Team, 1995-1998
14.19	Wetlands Management: Turbid Lake Restoration, Wetland Mitigation, 1997-2001

15.01	Wetlands Management: Turbid Lake Restoration, Wetland Delineation, 1997-2001
15.02	Wetlands Management: Turbid Lake Restoration, Photographic Slides, 1997-1998
15.03	Wetlands Management: Wetland Impacts, Canyon Junction to Chittenden Road, 2001
15.04	Wetlands Management: Wetland Impacts, East Entrance and Dunraven Parking, 2001-2003
15.05	Wetlands Management: Wetland Survey, Lake Housing Project, 1997
15.06	Wetlands Mitigation: East Entrance, 1990-2000 [1 of 3]
15.07	Wetlands Mitigation: East Entrance, 1990-2000 [2 of 3]
15.08	Wetlands Mitigation: East Entrance, 1990-2000 [3 of 3]
15.09	Wildflowers: Correspondence and Regulations, 1926-1928
15.10	Wildflowers: Correspondence and Regulations, 1928-1933

### Series IV: Range Studies

Box	1
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лі	
01.01	Kittams Plots- Aspen Photo Plot K-1, undated
01.02	Kittams Plots- Aspen Photo Plot K-3, undated
01.03	Kittams Plots- Aspen Photo Plot K-4, undated
01.04	Kittams Plots- Aspen Photo Plot K-6, undated
01.05	Kittams Plots- Aspen Photo Plot K-7, undated
01.06	Kittams Plots- Aspen Photo Plot K-8, undated
01.07	Kittams Plots- Aspen Photo Plot K-9, undated
01.08	Kittams Plots- Aspen Photo Plot K-12, undated
01.09	Kittams Plots- Aspen Photo Plot K-13, undated
01.10	Kittams Plots- Aspen Photo Plot K-14, undated
01.11	Kittams Plots- Aspen Photo Plot K-15, undated
01.12	Kittams Plots- Aspen Photo Plot K-17, undated
01.13	Kittams Plots- Aspen Photo Plot K-18, undated
01.14	Kittams Plots- Aspen Photo Plot K-19, undated
01.15	Kittams Plots- Aspen Photo Plot K-20, undated
01.16	Kittams Plots- Aspen Plot Survival, 1947-1952
01.17	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 1A, 1947-1952
01.18	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 2A, 1947-1952
01.19	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 3A, 1947-1952
01.20	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 4A, 1947-1952
01.21	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 5A, 1947-1952
01.22	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 6A, 1947-1952
01.23	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 7A, 1947-1952
01.24	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 8A, 1947-1952
01.25	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 9A, 1947-1952
01.26	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 10A, 1947-1952
01.27	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 11A, 1947-1952
01.28	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 12A, 1947-1952
01.29	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 13A, 1947-1952
01.30	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 14A, 1947-1952
01.31	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 15A, 1947-1952
01.32	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 16A, 1947-1952
01.33	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 17A, 1947-1952
01.34	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 18A, 1947-1952
01.35	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 19A, 1947-1952
01.36	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot 20A, 1947-1952
01.37	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot Correspondence, 1965
01.38	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot General Plots 1A- 20A, 1947-1952
01.39	Kittams Plots-Aspen Plot Twig, Height and Browse Analysis Plot - Height, 1947-1952
01.40	Kittams Plots- Range Analysis Handbook, 1954
01.41	N.Y. Range-General Information
01.42	NY Range- N.Y. Photo Plots,
01.43	NY Range- N.Y. Photo Plot #1 (Downward Trend), 1952-1962
01.44	NY Range- N.Y. Photo Plot #2 (Upwards Trend), undated
01.45	NY Range- N.Y. Photo Plot #3 (Downward Trend), undated
01.46	NY Range- N.Y. Photo Plot #4 (Static), undated
01.47	NY Range- N.Y. Photo Plot #5 (Down 52-55, Static 55-62), 1952-1962
01.48	NY Range- N.Y. Photo Plot #7 (Rapidly down 52-55, Down 55-62), 1952-1962
01.49	NY Range- N.Y. Photo Plot #8 (Downward Trend), undated
01.50	NY Range- N.Y. Photo Plot #9 (Downward Fast 52-55, Static 55-62), 1952-1962

#### Series IV: Range Studies (continued)

#### Box 1 (continued)

01.51	NY Range- N.Y. Photo Plot #10 (Down 52-55, Static 55-62), 1952-1962
01.52	NY Range- N.Y. Photo Plot #11 (Downward Trend), undated
01.53	NY Range- N.Y. Photo Plot #12 (Downward Trend), undated
01.54	NY Range- N.Y. Photo Plot #13, 1952-1962
01.55	NY Range- N.Y. Photo Plot #14 (Static), 1952-1962
01.56	NY Range- N.Y. Photo Plot #15 (Static), 1952-1962
01.57	NY Range- N.Y. Photo Plot #16 (Static), undated
01.58	NY Range- N.Y. Photo Plot #17 (Upwards Trend), undated
01.59	NY Range- N.Y. Photo Plot #18 (Downward Trend), 1952-1962
01.60	NY Range- N.Y. Photo Plot #19 (Rapid Downward Trend), undated
01.61	NY Range- Photo Plot Locations, undated
01.62	NY Range- Photo Plots May-Sept. R.E. Howe, 1960
01.63	NY Range- N.Y. Photo Plots 1-11 Fall Photos, 1952-1962
01.64	NY Range- N.Y. Photo Plots 12-19 Fall Photos, 1952-1962
01.65	Photos- Grass Utilization U1 to U5, 1949, 1954
01.66	Photos-Range Photos, 1964
01.67	Photos-Range Studies, 1957-1962 (Aspen, Sage, Willow)
01.68	Photos-Range Study Browse Photo Plots, undated
Box 2	
02.01	Photos- Rephotography Project Yellowstone Post-fire Sediment Study, 1992 [1 of 3]
02.02	Photos- Rephotography Project Yellowstone Post-fire Sediment Study, 1992 [2 of 3]
02.03	Photos- Rephotography Project Yellowstone Post-fire Sediment Study, 1992 [3 of 3]
02.04	Range Conservation Management: Public Wyoming Range Management, 1968
02.05	Range Conservation Management: Reports, 1962
02.06	Range Conservation Management: Correspondence and Memoranda, 1945
02.07	Range Conservation Management: Correspondence and Memoranda, 1954-1956
02.08	Range Conservation Management: Correspondence and Memoranda, 1957-1960
02.09	Range Conservation Management: Correspondence, 1959-1963
02.10	Range Conservation Management: Correspondence, 1961-1964
02.11	Range Conservation Management: Correspondence and Memoranda, 1980
02.12	Range Conservation Management: Correspondence and Memoranda, 1987
02.13	Range Conservation Management: Correspondence and Memoranda, 1949-1952
02.14	Range Conservation Management: Correspondence and Memoranda, 1944-1950
Box 3	
03.01	Range Study Plots 1-24 General Information, undated
03.02	Range Study Plots: Historical Information, 1930-1950
03.03	Range Study Plots: Plot #1, undated
03.04	Range Study Plots: Plot #2 (Blacktail), undated
03.05	Range Study Plots: Plot #3 (Game Ranch), undated
03.06	Range Study Plots: Plot #4 (Lamar River Gauging), undated
03.07	Range Study Plots: Plot #5 (Horseshoe), undated

- 03.08 Range Study Plots: Plot #6 (N.Y. Photo Plot), undated
- 03.09 Range Study Plots: Plot #7, undated
- 03.10 Range Study Plots: Plot #9, undated
- 03.11 Range Study Plots: Plot #10, undated
- 03.12 Range Study Plots: Plot #11, undated
- 03.13 Range Study Plots: Plot #12, undated
- 03.14 Range Study Plots: Plot #13 (Gallatin), undated
- 03.15 Range Study Plots: Plot #15 (Gallatin), undated

### Series IV: Range Studies (continued)

### Box 3 (continued)

JA J (continucu)	
03.16	Range Study Plots: Plot #15, undated
03.17	Range Study Plots: Plot #16 (Gallatin Aspen), undated
03.18	Range Study Plots: Plot #17 (Gallatin), undated
03.19	Range Study Plots: Plot #20 (Antelope Creek), undated
03.20	Range Study Plots: Plot #21 (Blacktail Transfer), undated
03.22	Range Study Plots: Plot #22 (Glen Creek), undated
03.23	Range Study Plots: Plot #23 (Hellroaring Slope), undated
03.24	Range Study Plots: Plot #24 (Tower Falls), undated
03.25	Range Study Plots: Plot #25 (Aspen Plot at Yanceys), undated
03.26	Range Study Plots: Plot #26, undated
03.27	Range Study Plots: Area "C", undated
03.28	Range Study Plots: Arrow Plot, undated
03.29	Range Study Plots: Buffalo Doug-Fir Plot, undated
03.30	Range Study Plots: Bunsen Peak Plot, undated
03.31	Range Study Plots: Cascade Lake, undated
03.32	Range Study Plots: Clover Mist Plots, undated
03.33	Range Study Plots: Despain Plot Locations, undated
03.34	Range Study Plots: Dunraven Plot, undated
03.35	Range Study Plots: Firehole Range Photo Plots, 1952
03.36	Range Study Plots: Gallatin #2 Plot, undated
03.37	Range Study Plots: Gallatin Study Plots Aerial Photo Locations, undated
03.38	Range Study Plots: General Information, 1932-1966
03.39	Range Study Plots: grassland Study Plots, undated
03.40	Range Study Plots: Kittams Study Plots, undated
03.41	Range Study Plots: Lamar, undated
03.42	Range Study Plots: Lewis Lake Plot, undated
03.43	Range Study Plots: Mirror Plateau Rholitte Plots, 1974
03.44	Range Study Plots: Petrified Tree Plot, undated
03.45	Range Study Plots: Slough Creek Daubmire Plot, 1977
03.46	Range Study Plots: Twin Lakes Plot, undated
03.47	Range Study Plots: Twin Ocean Plot, 1979
03.48	Range Study Plots: Washburn Plot, undated
03.49	Range Study Plots: Wolf Lake Plot, undated
03.50	Range Studies: General Range Items, undated
03.51	Range Studies: Map Game Ranch Area (Field, Irrigation), undated
03.52	Range Studies: Range Report, 1934-1935
03.53	Range Studies: Range Report, 1935-1936
03.54	Range Studies: Range Report, 1936-1937
03.55	Range Studies: Range Report, 1937-1938
03.56	Range Studies: Range Report, 1939-1940
03.57	Range Studies: Range Report, 1940
03.58	Range Studies: Range Report April, 1938
03.59	Range Studies: Range Report December, 1936
03.60	Range Studies: Range Report December, 1937
03.61	Range Studies: Range Report February, 1937
03.62	Range Studies: Range Report February, 1938
03.63	Range Studies: Range Report January, 1937
03.64	Range Studies: Range Report January, 1938
03.65	Range Studies: Range Report March, 1937
03.66	Range Studies: Range Report March, 1938
03.67	Range Studies: Range Report November, 1936
03.68	Range Studies: Range Report November, 1937
	6 0

### Series IV: Range Studies (continued)

#### Box 4

04.01	Winter Range Studies, 1943
04.02	Winter Range Studies, 1944
04.03	Winter Range Studies, 1947-1948
04.04	Winter Range Studies, 1948-1949
04.05	Winter Range Studies, 1949-1950
04.06	Winter Range Studies, 1950-1951
04.07	Winter Range Studies, 1951-1952
04.08	Winter Range Studies, 1952-1953
04.09	Winter Range Studies, 1953-1954
04.10	Winter Range Studies, 1954-1955
04.11	Winter Range Studies, 1955-1956
04.12	Winter Range Studies, 1956-1957
04.13	Winter Range Studies, 1957-1958
04.14	Winter Range Studies: Maps, undated
04.15	Winter Range Studies: Plant Sampling, 1986
04.16	Winter Range Studies, Snow Stake Information, undated
04.17	Winter Range Studies, Snow Stake Instructions, 1967
04.18	Winter Range Studies, Snow Stake M-3 (Mammoth Exclosure), 1969
04.19	Winter Range Studies, Snow Stake Utilization (Blacktail), undated
04.20	Winter Range Studies, Snow Stake Utilization (Lamar), undated
04.21	Winter Range Studies, Utilization Information, 1964
04.22	Winter Range Studies: Utilization Information, 1963

#### Series V. Exclosures and Transects

01.01	Exclosures - Aspen Data, 1966
01.02	Exclosures - Chart Quadrats, 1986
01.03	Exclosures - Chart Quadrats, 1986
01.04	Exclosures - Grass Vigor Data, undated
01.05	Exclosures - Maps (Cougenour and Production Plots), 1989
01.06	Exclosures - Parker Transect Data Analysis, undated
01.07	Exclosures - Utilization Plot Summary Sheets, 1963-1970
01.08	Exclosures - Vegetation Data, 1965-1970 [1 of 3]
01.09	Exclosures - Vegetation Data, 1965-1970 [2 of 3]
01.10	Exclosures - Vegetation Data, 1965-1970 [3 of 3]
01.11	Exclosures - Willow Data, undated
01.12	Exclosures - Study, 1986
01.13	Exclosures - Study, 1987
01.14	Exclosures - Study, 1989
01.15	Exclosures - Study Forms (Blank), undated
01.16	General - Browse Utilization & Condition Transects, undated
01.17	General - Information, Exclosures and Transects, undated
01.18	General - Information (Duplicate) Range Exclosure, 1957
01.19	General - Information, Range Exclosures, 1957-1962
01.20	General - Instructions for Analyzing Chart Quadrat Data, undated
01.21	General - Sample Plots, 1941-1947 [1 of 2]
01.22	General - Sample Plots, 1941-1947 [2 of 2]
01.23	Photos - Aerial, Correspondence and Information, 1964-1974 [1 of 2]
01.24	Photos - Aerial, Correspondence and Information, 1964-1974 [2 of 2]
01.25	Photos - Aerial Correspondence and Information for soil, 1989-1992

Box 1 (continued)	
01.26	Photos - Aerial Survey to Define Vegetation, 1968-1969
01.27	Photos - Aerial, Parker Transects, undated
01.28	Photos- Negatives of Exclosure Areas, 1972-1978
Box 2	
02.01	Bighorn - Druid Sheep South Slope, NYU-14, 1967-1969
02.02	Bighorn - Druid Lower South Slope, NYU-13, 1967-1969
02.03	Bighorn - Druid Upper Ridge, NYU-15, 1967-1969
02.04	Bighorn - Quartz Creek, NYU-11, 1967-1969
02.05	Bighorn - Quartz Agate Creek #1, NYU-12, 1967-1969
02.06	Bighorn - Quartz Agate Creek #2, NYU-16, 1967-1969
02.07	Bighorn - Specimen Ridge Northern Range Grassland Study Photos, 1956-1974
02.08	Bighorn - Lower Specimen Ridge, NYU-9, 1967-1969
02.09	Bighorn - Specimen Ridge, NY Parker Transects Y-6, 1956-1994
02.10	Bighorn - Upper Crystal Creek, NYU-10, 1967-1969
02.11	Blacktail Creek - Hellroaring Creek Aspen & Condition Transect A-5, 1963-1965
02.12	Blacktail Deer Creek (Lower) Willow Utilization & Condition Transect W-5, 1965
02.13	Blacktail Exclosure Aspen Utilization & Condition Transect A-19, 1958, 1964-1967
02.14	Blacktail Exclosure Photos, 1958, 1962, 1988
02.15	Blacktail and Gardiner Photo Plots, 1958-1981 [1 of 2]
02.16	Blacktail and Gardiner Photo Plots, 1958-1981 [2 of 2]
02.17	Blacktail Hill NY Parker Transects Y-2, 1954-1994
02.18	Blacktail Lower and Upper Aspen Utilization & Condition Transect A-17, 1964-1966
02.19	Blacktail (Upper) Aspen Utilization & Condition Transect A-12, 1964-1967
02.20	Blacktail Exclosure, Duplicate Data, 1958
02.21	Buffalo Creek Aspen Utilization & Condition Transect A-3, 1963-1969
02.22	Buffalo Creek Aspen Utilization & Condition Transect A-4, 1963-1967
02.23	Bunsen Peak Plot, 1975
02.24	Bunsen Peak Aspen Utilization & Condition Transect A-7, 1964-1967
02.25	Elk Creek Aspen Utilization & Condition Transect A-18, 1964-1967
02.26	Elk Plaza Aspen Utilization & Condition Transect A-11, 1964-1969
02.27	Game Ranch NY Parker Transects Y-4, 1955-1974
02.28	Game Ranch Utilization Transect NYU-3, 1968-1970
02.29	Gallatin Pellet Transects, 1964, 1968
02.30	Gallatin Photo Plot G-1, 1949-1963
02.31	Gallatin Photo Plots (General), 1949-1963
02.32	Gallatin Photo Plot G-2, 1949-1962
02.33	Gallatin Photo Plot G-3, 1949-1967 Gallatin Photo Plot G-4, 1949-1967
02.34 02.35	
02.35	Gallatin Photo Plot G-5, 1949-1962 Gallatin Photo Plot G-6, 1949-1967
02.30	Gallatin Photo Plot G-0, 1949-1967
02.37	Gallatin Photo Plot G-7, 1902-1907 Gallatin Photo Plot G-8, 1949-1967
02.38	Gallatin Photo Plot G-9, 1949-1967
02.40	Gallatin Photo Plot G-10, 1955-1967
02.40	Gardiner Park Extension Forest Service Chart Quadrats, 1936
02.42	Gardiner-Stephens Creek Aspen Utilization & Condition Transect A-1, 1963-1969
02.42	Gardiner-Stevens Creek Duplicate Data, 1958
02.44	Gardiner-Stevens Creek Exclosure, General, 1957 & 1962
02.45	Gardiner-Stevens Creek Exclosure, Quadrat#1 (inside) match for 5 (outside), 1957-
	1986

Box 2 (continued)	
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02.46	Gardiner-Stevens Creek Exclosure, Quadrat#2 (inside) match for 6 (outside), 1957- 1986
02.47	Gardiner-Stevens Creek Exclosure, Quadrat#3 (inside) match for 7 (outside), 1957- 1986
02.48	Gardiner-Stevens Creek Exclosure, Quadrat#4 (inside) match for 8 (outside), 1957- 1986
02.49	Gardiner-Stevens Creek Exclosure, Quadrat#5 (outside) match for 1 (inside), 1957- 1986
02.50	Gardiner-Stevens Creek Exclosure, Quadrat#6 (outside) match for 2 (inside), 1957- 1986
02.51	Gardiner-Stevens Creek Exclosure, Quadrat#7 (outside) match for 3 (inside), 1957- 1986
02.52	Gardiner-Stevens Creek Exclosure, Quadrat#8 (outside) match for 4 (inside), 1957- 1986
02.53	Gardiner-Stevens Creek Exclosure, Quadrat#9 (inside) match for 5 (outside), 1962- 1986
02.54	Gardiner-Stevens Creek Exclosure, Quadrat#10 (inside) match for 7 (outside), 1962- 1986
02.55	Gardiner-Stevens Creek Exclosure, Quadrat#11 (inside) match for 6 (outside), 1962- 1986
02.56	Gardiner-Stevens Creek Exclosure, Quadrat#12 (inside) match for 8 (outside), 1962- 1986
02.57	Gardiner-Stevens Creek Exclosure, Sage Belt#1 (inside), 1957-1981
02.58	Gardiner-Stevens Creek Exclosure, Sage Belt#2 (outside), 1957-1974
02.59	Gardiner-Stevens Creek Exclosure, Sage Belt#3 (inside), 1967-1971
02.60	Gardiner-Stevens Creek Exclosure, Three Step C1, 1957-1981
02.61	Gardiner-Stevens Creek Exclosure, Three Step C1, 1962-1981
02.62	Gardiner-Stevens Creek Exclosure, Three Step C2, 1958-1994
02.63	Gardiner-Stevens Creek Exclosure, Three Step C2, 1958-1994
02.64	Gardiner-Stevens Creek Exclosure, Three Step MC1, 1958-1994
02.65	Gardiner-Stevens Creek Exclosure, Three Step MC1, 1958-1994
02.66	Gardiner-Stevens Creek Exclosure, Three Step MC2, 1958-1994 Gardiner-Stevens Creek Sagebrush Utilization Studies, 1939-1953
02.67	Geode Creek NY Parker Transects Y-1, 1954-1994
02.68	Geode Creek Y-series (Free Range) Study Photos, 1954-1981
02.08	Geode Creek 1-series (Free Kange) Study Filolos, 1934-1981
Box 3	
03.01	Hayden Valley Parker Transect HV-1, undated
03.02	Hayden Valley Exclosure Study Data, 1964-1966
03.03	Hayden Valley Exclosure Data, 1966
03.04	Hellroaring Aspen Utilization and Condition Transects, A-Z, undated
03.05	Jasper Creek Aspen Utilization and Condition Transect A-Z, undated
03.06	Junction, Lamar, Yellowstone River Aspen Utilization and Condition Transect A-16,
	undated
03.07	Junction Butte Vegetation Quadrats, 1958-1981
03.08	Junction Butte Exclosure Willow Belt #1 (Inside), 1962
03.09	Junction Belt Aspen Utilization and Condition Transect A-10, undated
03.10	Junction Butte Exclosure Willow Belt #2 (Outside), 1962
03.11	Junction Butte Willow Utilization and Condition Transect Exclosure W-3, undated
03.12	Lamar Exclosure Aspen Utilization and Condition Transect A-9, undated
03.13	Lamar Exclosure Duplicate Data, 1958
03.14	Lamar Exclosure Willow Belt #1 (Inside) 1957

### Box 3 (continued)

x 5 (continueu)	
03.15	Lamar Exclosure Willow Belt #2 (Outside), 1957
03.16	Lamar Exclosure Willow Belt #3 (Inside), 1962
03.17	Lamar Exclosure Utilization Information, undated
03.18	Lamar Valley, Buffalo Drift Fence, NY Parker Transects, 1963
03.19	Lamar: Horseshoe Aspen Utilization and Condition Transect, A-15, undated
03.20	Lamar Horseshoe, NY Parker Transects, Y-5, undated
03.21	Lamar Horseshoe Y-Series Free Range Transect Lines, undated
03.22	Lamar Northern Range Grassland Study Photos, undated
03.23	Landslide Creek: NY Parker Transect Y-3, undated
03.24	MacMinn Bench Coal Mine Utilization Transect NYU-8, undated
03.25	MacMinn Bench Eagles Nest Rock Utilization Transect NYU-7, undated
03.26	MacMinn Bench Upper Ridge Utilization Transect NYU-6, undated
03.27	Mammoth Exclosure Aspen Belt #1 (Inside), 1957
03.28	Mammoth Exclosure Aspen Belt #2 (Outside), 1957
03.29	Mammoth: Chinaman's Garden Willow Utilization and Condition Transect, 1963-1966
03.30	Mammoth Exclosure Duplicate Data for 1957-1958
03.31	Mammoth Exclosure: General, 1957
03.32	Mammoth Exclosure Quadrat #1 (Inside), 1958
03.33	Mammoth Exclosure Quadrat #2 (Outside), 1958
03.34	Mammoth Exclosure: Sage Belt #1 (Inside), 1957
03.35	Mammoth Exclosure: Sage Belt #2 (Outside), 1957
03.36	Mammoth Exclosure: Three Step C1, 1957
03.37	Mammoth Exclosure Three Step MC1, 1957
03.38	Mammoth Exclosure Willow Belt #1 (Inside), 1957
03.39	Mammoth Exclosure Willow Belt #2 (Outside), 1957
03.40	Mammoth Exclosure Utilization and Condition Transect A-8, undated
03.41	Mammoth Sage Belts Early Tables and Tests, undated
03.42	Mammoth Vegetation Quadrants, 1958-1974
03.43	Mammoth Willow Utilization and Condition Transect W-Z, undated
03.44	Mount Everts Camera Points, 1976
03.45	Mount Everts West Slopes Forage Utilization Transect NYU-5, undated
03.46	Pebble Creek Campground Aspen Utilization and Condition Transect A-14, undated
03.47	Pelican Valley Exclosure: General, 1964
03.48	Reese Creek Utilization Transect NYU-1, undated
03.49	Soda Butte Creek Aspen Utilization and Condition Transect A-6, undated
03.50	Target Range Flat Utilization Plot NYU-4, undated
03.51	Tower Exclosure, 1957-1958
03.52	Tower Exclosure Willow Belt #1 (Inside) Match for #3, 1957
03.53	Tower Exclosure Willow Belt #2 (Inside) Match for #4 (Outside), 1957
03.54	Tower Exclosure Willow Belt #3 (Outside), 1957
03.55	Tower Exclosure Willow Belt #4 (Outside), 1957
03.56	Tower Exclosure Willow Belt #5 (Inside) Match for #3 (Outside), 1962
03.57	Tower Exclosure Willow Belt #6 (Inside), 1962
03.58	Upper Slough Creek Aspen Utilization and Condition Transect A-13, undated
03.59	YCC Well Utilization Transect NYU-Z, undated
03.60	Transects: Basic Statistics for Parker Transect Cluster at the Lamar Exclosure, 1987
03.61	Transects: Grass Forage Data, 1988
03.62	Transects: Grass Forage Data, undated
03.63	Transects: Grass and Sage Utilization 1948-1958
03.64	Transects: Instructions for Parker Transects Forran Code Guide, undated
03.65	Transects: Kittams Line Intercept Transects, 1948-1952

### Box 3 (continued)

03.66	Transects: Transects: Kodachrome Gallatin Line Transects and G Photo Plots, 1950- 1955
03.67	Transects: Kodachrome N.Y. Line Transects and Spot Plots 1949-1958
03.68	Transects: Printouts of Data Summarization and Parker Transects by William Barmore, 1958-1970
03.69	Transects: Willow Circular Shrub Plot Data, 1988-1990
03.70	Transects-Willow Utilization Final Copies, 1988-1991
Box 4	
04.01	Insects- Survey, 1933 [1 of 2]
04.02	Insects- Survey, 1933 [2 of 2]
04.03	Timber Plots: Grazing Notes, 1935
04.04	Timber Plots- Sample Plot Sheets, 1935
04.05	Traverse- Diaries & Field Guides 1931-1933, 1935
04.06	Traverse- Survey Reports 1931, 1933, 1935
04.07	Traverse- Traverse Books, 1931-1933
04.08	Traverse- Traverse Books, 1933-1934
Box 5	
05.01	Traverse- Traverse Books 1934-1935
05.02	Traverse- Traverse Books, undated
05.03	Type- Arrangement Sheet, Type Summary, undated
05.04	Type- Type Section A & Sections 1-8, undated
05.05	Type- Type Sheets Sections 9-17, undated
05.06	Type- Type Sheets Sections 18-28, undated
05.07	Boundary Line Area Soil Survey-Correspondence, 1988-1991
05.08	Boundary Line Area Soil Survey- Plans and Information, 1988-1989
05.09	Boundary Line Area Soil Survey- Soil Survey Data Tables, 1988-1991
05.10	Boundary Line Area Soil Survey- Soil Survey Lab Results Reese, 1989
05.11	Boundary Line Area Soil Survey- Soil Survey Legend, 1988
05.12	Boundary Line Area Soil Survey- Soil Survey Moisture, 1988
Box 6	
06.01	Blacktail Exclosure: 1958-1962
06.02	Blacktail Exclosure: Correspondence, 2010
06.03	Blacktail Exclosure: General, 1957-2010
06.04	Blacktail Exclosure: Three step C1, 1957
06.05	Blacktail Exclosure: Parker Transect Sheets, 1958-1994 [1 of 3]
06.06	Blacktail Exclosure: Parker Transect Sheets, 1958-1994 [2 of 3]
06.07	Blacktail Exclosure: Parker Transect Sheets, 1958-1994 [3 of 3]
06.08	Blacktail Exclosure: Quadrat #1, 1958-1967
06.09	Blacktail Exclosure: Quadrat #2, 1957-1967
06.10	Blacktail Exclosure: Quadrat #3, 1958-1986
06.11	Blacktail Exclosure: Quadrat #4, 1958-1986
06.12	Blacktail Exclosure: Quadrat #5, 1962-1986
06.13	Blacktail Exclosure: Quadrat #7, 1958-1986
06.14	Blacktail Exclosure: Quadrat #7, 1986
06.15	Blacktail Exclosure: Quadrat #9, 1958-1986
06.16	Blacktail Exclosure: Quadrat #9, 1962-1986
06.17	Blacktail Exclosure: Quadrat #10, 1962-1987
06.18	Blacktail Exclosure: Quadrat #11, 1962-1986

### Box 6 (continued)

06.19	Blacktail Exclosure: Quadrat #12, 1962-1986
06.20	Blacktail Exclosure: Sagebelt #1, 1958-1981
06.21	Blacktail Exclosure: Sagebelt #2, 1958-1974
06.22	Blacktail Exclosure: Sagebelt #3, 1962-1981
06.23	Blacktail Exclosure: Three Step C2, 1957
06.24	Blacktail Exclosure: Three Step C1, 1962
06.25	Blacktail Exclosure: Three Step C2, 1962
06.26	Blacktail Exclosure: Three Step Mc1, 1964-1969
06.27	Blacktail Exclosure: Three Step Mc2, 1965-1962
06.28	Blacktail Exclosure: Tower Junction Exclosure, 1962

x 7	
07.01	Forage Volume Plot, 1936-1950
07.02	Junction Butte Exclosure, 1962
07.03	Junction Butte Exclosure: Aspen Belt #1, 1962-1990
07.04	Junction Butte Exclosure: Aspen Belt #2, 1962-1990
07.05	Junction Butte Exclosure: Parker Transect Data, 1958-1994 [2 of 2]
07.06	Junction Butte Exclosure: Parker Data, 1958-1994 [1 of 2]
07.07	Junction Butte Exclosure: Quadrat #1, 1965-1986
07.08	Junction Butte Exclosure: Quadrat #2, 1962-1986
07.09	Junction Butte Exclosure: Sage Belt #1, 1962-1981
07.10	Junction Butte Exclosure: Sage Belt #2, 1962-1981
07.11	Junction Butte Exclosure: Three Step C1, 1962
07.12	Junction Butte Exclosure: Three Step C2, 1962
07.13	Junction Butte Exclosure: Three Step C3, 1962-1993
07.14	Junction Butte Exclosure: Three Step Mc1, 1964-1969
07.15	Junction Butte Exclosure: Three Step Mc2, 1962-1969
07.16	Junction Butte Exclosure: Three Step Mc3, 1964-1969
07.17	Lamar Exclosure: Aspen Belt #1, 1958-1981
07.18	Lamar Exclosure: Aspen Belt #2, 1957-1981
07.19	Lamar Exclosure: Aspen Belt #3, 1962-1986
07.20	Lamar Exclosure: Browse Belt #1, 1958-1963
07.21	Lamar Exclosure: Browse Belt #2, 1958-1981
07.22	Lamar Exclosure: Browse Belt #3, 1962-1981
07.23	Lamar Exclosure: Quadrat #1, 1958-1967
07.24	Lamar Exclosure: Quadrat #2, 1958-1986
07.25	Lamar Exclosure: Quadrat #3, 1958-1986
07.26	Lamar Exclosure: Quadrat #4, 1958-1962
07.27	Lamar Exclosure: Quadrat #5, 1958-1986
07.28	Lamar Exclosure: Quadrat #6, 1958-1986
07.29	Lamar Exclosure: Quadrat #7, 1962-1986
07.30	Lamar Exclosure: Quadrat #8, 1962-1986
07.31	Lamar Exclosure: Quadrat #9, 1962-1986
07.32	Lamar Exclosure: Parker Data, 1958-1994
07.33	Lamar Exclosure: Three Step C1, 1958
07.34	Lamar Exclosure, Three Step C1, 1962-1993
07.35	Lamar Exclosure, Three Step Mc1, 1962-1969
07.36	No Location Noted, 1949-1958
07.37	Plot 1-47 HR, 1950-1958
07.38	Plot S-47, 1950-1958

08.01	Negatives, Parker and Belt Transects, Retake, 1974 [1 of 2]
08.02	Negatives, Parker and Belt Transects, Retake, 1974 [2 of 2]
08.03	Negatives, Parker Transects – Open Range Series, Retake, 1974
08.04	Doug Houston, Black and White Photos, 1910-1960
08.05	Doug Houston, Black and White Photos, 1930-1990
08.06	Doug Houston, Aerial Duplicates, Dave Stradley, 1997
08.07	Range Study Plot Locations, Aerial Photos, undated
08.08	Range Study Plot Locations, Aerial Photos, Batch 2, 1969