National Park Service
U.S. Department of the Interior

FINDING AID
Jan van Wagtendonk Collection
1923-2007(bulk dates: 1972-2000)



Jan van Wagtendonk working on backcountry restoration

Prepared by
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September 7, 2012
National Park Service

Catalog Number: YOSE 233112
Yosemite Collection Number: 1015

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HISTORY

Jan Willem van Wagtendonk was born on February 21, 1940 in Palo Alto, California, the second child of Willem Johann and Rolina Jantina van Wagtendonk. At the age of six, he moved with his family to Bloomington, Indiana, where he attended primary and secondary school and began his study of forestry at Purdue University. After undertaking summer seasonal work as a firefighter and smokejumper for the United States Forest Service, he decided to transfer to Oregon State University where he received a B.S in forest management in 1963. From 1963-1967, he served as an officer in the 101st Airborne Division and as an advisor to the Vietnamese army. In 1967, he began graduate work at the University of California, Berkeley under Dr. Harold Biswell and received his M.S. in range management in 1968 and his Ph.D. in wildland resource science with a specialty in fire ecology in 1972.

His mentor Dr. Harold Biswell played a pivotal role in shifting a century of National Park Service fire suppression policy. Dr. Biswell conducted studies in the 1960s and 1970s at Whitaker's Forest just outside of Kings Canyon National Park that demonstrated the vital ecological role that fire played within giant sequoia groves. Following his observations, Kings Canyon and Sequoia instituted a new fire policy of allowing natural fires to burn and conducted prescribed burns in areas long subject to fire suppression. Interest in Biswell's work extended to Yosemite National Park, and Robert Barbee, the natural resources manager for the park, consulted with Biswell about how fire might be reintroduced into Yosemite. For his dissertation topic, Dr. van Wagtendonk conducted experiments in Yosemite National Park designed to develop quantitative burning prescriptions based on Dr. Biswell's work. The observations recorded in his dissertation still form the basis of the Yosemite fire management program today.

In 1972, he was hired by the National Park Service to serve as research biologist for Yosemite National Park. During his tenure as a park researcher, Dr. van Wagtendonk's studies focused on social carrying capacity, geographic information systems, and fire ecology. In 1972, he was appointed the wilderness manager for Yosemite, where he wrote the park's first Backcountry Use and Operations Plan and helped develop a trailhead use limit system called QUOTA to alleviate problems of overcrowding in the backcountry. He served as Yosemite's representative at the Denver Service Center during the development of the 1974 Yosemite Master Plan, and later served as a consultant for the development of the 1980 Master Plan. He continued work on prescribed burning and the effects of fire suppression that provided major contributions to Yosemite's fire management program. In Blazing Heritage, Hal Rothman observes that 'by the late 1970s, van Wagtendonk's work had laid the basis for a revolution in the park's planning. His papers outlined the achievements and the consequences of fire management, showing how Yosemite had measured its prescriptions for fire and how science changed the parameters of such planning.'

Along with his work in fire ecology and social carrying capacity, Dr. van Wagtendonk helped develop a geographic information and management system to combine preexisting maps and digital information about the park into one database. He also served on a number of federal panels relating to fire policy and management and as president of the Association of Fire Ecology. In 1994, he became a research forester at the Yosemite Field Station as part of the

newly appointed National Biological Survey (NBS). The NBS was formed in 1993 under Secretary of the Interior Bruce Babbit with the aim of conducting an extensive survey of potentially threatened biota in the United States. In 1996, the NBS was transferred into the United States Geological Survey and renamed the Biological Resources Division (BRD). Dr. van Wagtendonk continued his work at the Yosemite Field Station under the Western Ecological Research Center (WERC), one of 18 centers of the BRD, until his retirement in 2009.

SCOPE AND CONTENT

Jan van Wagtendonk Collection
1923-2007 (bulk dates: 1972-2000)

CATALOG NUMBER	YOSE 233112
VOLUME	26.85 LF (50_manuscript boxes, 2852 slides in 7 slide boxes, 3 oversized boxes, 15 prints, 48 negatives, and 16 oversized maps)
DESCRIPTION	The Jan van Wagtendonk Collection consists of the documents and records created and received by Dr. van Wagtendonk during his tenure as a Yosemite National Park research scientist from 1972-2009. These documents contain information relating to research and scholarship undertaken by Dr. van Wagtendonk in areas of fire ecology, geographic information systems, and social carrying capacity as well as information regarding broader park programs and planning activities in which he participated including wilderness management, fire management, Yosemite Master Plan development, and scientific research initiatives. The collection contains correspondence, scientific data, manuscripts, draft and finalized plans, reports, scholarly reference materials, maps, floppy disks, and photographs (slides, negatives, and prints).
ORGANIZATION	The Jan van Wagtendonk Collection is arranged into nine series: Series I: Publications and Scholarly Activities, Series II: Scientific Data, Series III: Management Plan Development, Series IV: Reference Materials, Series V: Correspondence, Series VI: Merced Canyon Committee documents, Series VII: Administrative Records, Series VIII: Slides and Series IX: Map of Trail Segment and Campsite Map - Wilderness Area Simulation Model. Series I-VII are arranged alphabetically by folder title. Due to a lack of recognizable original order, alphabetical arrangement was imposed on the collection. Series VIII retains its original order in order to preserve context.
PROVENANCE	The collection was given to the Yosemite National Park Archives by Jan van Wagtendonk following his retirement and was accessioned on August 8, 2011.

RESTRICTIONS	NO
ASSOCIATED MATERIALS	Fire Management Office Records (YOSE 232940) Yosemite National Park Archives Resource Management Records (YOSE 229554) Yosemite National Park Archives Natural Resources Management Records (YOSE 218601)

HIERARCHY

I. SERIES I: Publications and Scholarly Activities, 1971-2007

A. Subseries A: Jan van Wagtendonk, 1971-2007

B. Subseries B: Manuscripts by Other Writers, 1979-2001

II. SERIES II: Scientific Data, 1960-2001 (bulk dates: 1971-2001)

A. Subseries A: Weather Data, 1987-2002

B. Subseries B: Fuel Characteristics Data, 1971-1987 (bulk dates: 1981)

C. Subseries C: Fuel Mapping, 2004

D. Subseries D: Historic Fires Data, 1960-1996 (bulk dates: 1976-1996)

E. Subseries E: Use Surveys and Reports, 1973-2001

F. Subseries F: Models, 1977-1995

G. Subseries G: QUOTA Data, 1977-1982

III. SERIES III: Management Plan Development, 1923-2005 (bulk dates: 1961-2005)

A. Subseries A: Yosemite Master Plan, 1943-2000 (bulk dates: 1971-1981)

B. Subseries B: Yosemite Park Plans, 1952-2001 (bulk dates: 1981-1998)

C. Subseries C: Wilderness and Backcountry Plans, 1923-2005 (bulk dates: 1964-2005)

IV. SERIES IV: Reference Materials, 1923-2003 (bulk dates: 1961-2003)

A. Subseries A: Fire Management Reference, 1949-2003 (bulk dates: 1961-2003)

B. Subseries B: Wilderness Management Reference, 1923-2001 (bulk dates: 1962-2003)

C. Subseries C: Carrying Capacity and Use, 1964-1993

D. Subseries D: Models and Computer Applications, 1967-2001

V. SERIES V: Correspondence, 1968-2002

VI. SERIES VI: Merced Canyon Committee Materials, 1962-2007 (bulk dates: 1980-1987)

VII. SERIES VII: Administrative Records, 1963-2003 (bulk dates: 1971-2000)

VIII. SERIES VIII: Slides, 1974-2000

IX. SERIES IX: Map of Trail Segment and Campsite Map - Wilderness Area Simulation Model, Yosemite Region Wilderness Complex, 1976 October

SERIES DESCRIPTIONS

SERIES I: Publications and Scholarly Activities, 1971-2007
6.5 LF

The Publications and Scholarly Activities Series is divided into two subseries. Subseries A: Jan van Wagtendonk is arranged alphabetically by publication or conference title and Subseries B: Manuscripts by Other Writers is arranged alphabetically by author surname.

The majority of the series relates to academic papers, book chapters, federal reports, and conference proceedings segments written by Dr. van Wagtendonk throughout his scientific career. In addition, the series contains information regarding Dr. van Wagtendonk's participation in planning and attending scientific conferences and symposia. The series contains a limited number of manuscripts given to Dr. van Wagtendonk by students, associates, and other scholars for reference and review. The series includes typed, handwritten, and annotated manuscripts, two floppy disks, photographs, negatives, correspondence relating to manuscript editing, submission, and publication, programs and ephemera for scientific conferences, and information utilized to write manuscripts including scientific data, reference materials, and maps.

Subseries A: Jan van Wagtendonk, 1971-2007
6.0 LF

94 folders of material relating to chapters, reports, and articles written by Dr. van Wagtendonk, including correspondence, manuscripts, scientific data, conference ephemera, reference materials, photographs, and one unlabeled floppy disk.

Arranged alphabetically by folder title.

Subseries B: Manuscripts by Other Writers, 1979-2001
.5 LF

Nine folders of material containing: manuscripts; correspondence; scientific data; one floppy disk containing a dissertation; and one negative.

Arranged alphabetically by folder title.

SERIES II: Scientific Data, 1960-2001 (bulk dates: 1971-2001)
5.6 LF

This series contains scientific and numerical data gathered, analyzed, or utilized by Dr. van Wagtendonk for scholarly publications, park research initiatives, and park management and planning activities. The data relates to topics researched by Dr. van Wagtendonk including the physical characteristics of fuels, weather and climatological observations, fire behavior

models, mapping, use surveys, and data associated with the QUOTA trailhead use limit program. The series includes numerical data recorded by hand on standardized forms, large printouts of computerized data and code, maps, slides, and limited reference materials.

The series is divided into seven subseries: Weather Data, Fuel Characteristics Data, Fuel Mapping, Historic Fires Data, Use Surveys and Reports, Models, and Quota Data.

Subseries A: Weather Data, 1987-2002
.5 LF

Eight folders of scientific data regarding weather, river, and climatological observations in Yosemite National Park, Northern California, and Nevada along with Tioga Road opening and closing dates.

Arranged alphabetically by folder title.

Subseries B: Fuel Characteristics Data, 1971-1987 (bulk dates: 1981)
2.5 LF

37 folders of scientific data regarding weather, river, and climatological observations in Yosemite National Park, Northern California, and Nevada along with Tioga Road opening and closing dates.

Arranged alphabetically by folder title.

Subseries C: Fuel Mapping, 2004
.1 LF

One folder containing data and maps regarding mapping fuels.

Arranged alphabetically by folder title.

Subseries D: Historic Fires Data, 1960-1996 (bulk dates: 1976-1996)
1.75 LF

Four folders containing data regarding historic fire occurrences in Yosemite National Park.

Arranged alphabetically by folder title.

Subseries E: Use Surveys and Reports, 1973-2001
.25 LF

16 folders containing numerical data, slides, and reference materials regarding surveys conducted to determine visitor use patterns.

Arranged alphabetically by folder title.

Subseries F: Models, 1977-1995
.4 LF

Five folders containing: numerical and computer data; and maps for use with social carrying capacity models, and wilderness area simulation models. The maps in Series IX are also for use with the wilderness area simulation model.

Arranged alphabetically by folder title.

Subseries G: QUOTA Data , 1977-1982
.1 LF

17 folders containing computer data for use with the QUOTA use limit program. Oversize data sheets in this series are located in Oversize Box 1 and 2.

Arranged alphabetically by folder title.

SERIES III: Management Plan Development, 1923-2005 (bulk dates: 1961-2005)
3.75 LF

The Management Plan Development Series primarily relates to the development of the Yosemite Master Plan finalized in 1980 and to the development of the Yosemite Backcountry Use and Operations Plan in the 1970s. Along with these major planning initiatives, the series contains information regarding other plan development including water and housing plans, traffic control plans, resource management plans, carrying capacity plans, and environmental impact statements for development concept plans. The series also contains copies of legislation, reports, and proposals relating to the designation of wilderness in Yosemite.

The series contains draft and finalized plans, reports, correspondence, numerical data, maps, and copies of legislation regarding plan development and implementation.

This series is divided into three subseries: Subseries A: Yosemite Master Plan, Subseries B: Yosemite Park Plan, Subseries C: Wilderness and Backcountry Plans. Each subseries is then arranged alphabetically by folder title.

Subseries A: Yosemite Master Plan, 1943-2000 (bulk dates: 1971-1981)
1.65 LF

28 folders of containing working and draft Yosemite Master Plans, correspondence, data, and reports regarding Master Plan development and implementation as well as related planning initiatives concerning overcrowding and the environmental impacts of development.

Calls for development of a new Master Plan in the 1970s stemmed from public and official concerns about overcrowding in Yosemite and potential National Park Service mismanagement that could permanently damage the park. In 1963, Wildlife Management in National Parks, commonly known as the Leopold Report was presented by the Special Advisory Board on Wildlife Management to Secretary of the Interior Stewart Udall. The report called for major changes in wildlife management in the parks and urged the NPS to employ scientific data in management decisions and plan development. The Leopold Report together with public reaction to a 1966 riot in the park started by Vietnam War protestors prompted park officials to begin development of a new Master Plan in 1968 with a goal of reducing overcrowding and adverse environmental impacts in the park.

In 1971, debate arose over concerns that plan developers intended to prohibit all vehicles from Yosemite National Park and build a cable car from the Valley floor to Glacier Point. In 1974, leaked letters between park management and executives in the Yosemite Park and Curry Company prompted public outcry that YP&CC had actively pushed the planning committee to include pro development sentiments in the working draft plan. The 1974 Master Plan was rejected in response and planning was opened to an extensive round of public commentary and suggested revisions. In 1978, the results of public surveys were collected and incorporated into a new plan, which was accepted in 1980 following a final round of public meetings and commentary.

Dr. van Wagtendonk served as Yosemite National Park's representative during the 1974 Master Plan development initiative at the Denver Service Center (DSC). Following the rejection of the 1974 plan, Dr. van Wagtendonk served as a consultant for the team which developed the 1980 Yosemite Master Plan.

Arranged alphabetically by folder title.

Subseries B: Yosemite Park Plans, 1952-2001 (bulk dates: 1981-1998)
.60 LF

17 folders containing additional plans associated with Yosemite National Park projects including resource management plans, traffic control plans, water and housing plans, carrying capacity planning, biological assessments and environmental assessments for development concept plans in Tuolumne Meadows and Yosemite Valley.

This subseries is arranged alphabetically by folder title.

Subseries C: Wilderness and Backcountry Plans, 1923-2005 (bulk dates: 1964-2005)
1.5 LF

This subseries contains 22 folders of material relating to the development of wilderness management plans in Yosemite, use of the wilderness permit system, proposals and recommendations for designation of wilderness in Yosemite, and copies of legislation concerning general and local designations of wilderness. The subseries contain

correspondence, maps, plans, reports, copies of legislation, and data regarding wilderness management planning and implementation.

The Wilderness Act of 1964 legally defined wilderness, outlined broad management goals, and called on the National Park Service to conduct a review of its lands within ten years and recommend to Congress which portions it believed should be designated as part of the National Wilderness Preservation System. The first major review period began in 1966 at Great Smokey Mountains National Park. By 1969, national forests in the Sierra Nevada contained 769, 583 acres that had been added to the National Wilderness Preservation System. In 1969, Yosemite National Park released a wilderness study report which identified 616,500 in five areas as potential additions to the wilderness system, but wilderness areas in Yosemite would not be designated until 1984.

Despite official wilderness designation, the backcountry of Yosemite saw increased use throughout the 1960s with an increase of 250 percent between 1968 and 1975. It peaked in 1975 with 219,000 visitor nights per year. Concerns over severe overcrowding in the backcountry prompted park management to implement a wilderness permit use limit system in 1972. This system divided the park into zones and limited the number of overnight visitors permitted within each zone. That same year, Jan van Wagtendonk was appointed the wilderness manager of Yosemite National Park and wrote the park's first Backcountry Use and Operations Plan. Using information gathered from wilderness permits and interviews, Dr. van Wagtendonk oversaw implementation of a trailhead use limit system known as QUOTA in 1977. Unlike the previous zone-based system, the new system placed limits on trailhead entries and allowed visitors to disperse naturally over the trail network.

In 1984, Congress passed the California Wilderness Act which designated 677,600 acres of Yosemite, 89 percent of the park, as wilderness and called for the NPS to produce descriptions and maps of the area as soon as possible. The project was given to Yosemite's Science Office and Dr. van Wagtendonk along with Walter Sydoriak identified and conducted mapping activities for proposed wilderness areas within the park.

Arranged alphabetically by folder title.

SERIES IV: Reference Materials, 1923-2003 (bulk dates: 1961-2003)
6.55 LF

This series contains reference materials relating to the subjects of Dr. van Wagtendonk's projects, areas of expertise, research, and professional responsibilities within Yosemite National Park. These subjects include fire management and fire ecology, social carrying capacity determination, recreation management, wilderness management, and models and computer applications developed for use in these subjects. The reference materials include copies of reports from various government agencies such as the Forest Service, the Fish and Wildlife Service, and the US Geological Survey, articles published in scholarly journals or

conference proceedings, management plans from multiple national parks, and manuals for use with models and computer applications.

The series contains bound and unbound reference materials, maps, one polyester negative, limited correspondence, and three floppy disks.

This series is arranged into four subseries: Fire Management Reference, Wilderness Management Reference, Carrying Capacity and Use, and Models and Computer Applications.

Subseries A: Fire Management Reference, 1949-2003 (bulk dates: 1961-2003)
2.4 LF

36 folders of reference materials regarding climate, fire control, fire ecology, fuel characteristics, fire history, fire management planning, and the national fire-danger rating system. The subseries contain reports, articles, maps, one - polyester negative, and three floppy disks.

Arranged alphabetically by folder title.

Subseries B: Wilderness Management Reference, 1923-2001 (bulk dates: 1962-2003)
2.1 LF

17 folders of reference materials regarding forest ecology, visitor use impacts, wilderness management planning, and park resource management. The subseries contain reports, articles, plans, and maps.

Arranged alphabetically by folder title.

Subseries C: Carrying Capacity and Use, 1964-1993
1.52 LF

20 folders of reference material regarding: visitor perceptions, social carrying capacity determination, use patterns, and recreation management. The series contains reports, articles, and bibliographies.

Arranged alphabetically by folder title.

Subseries D: Models and Computer Applications, 1967-2001
.53 LF

16 folders of reference materials relating to fire spread models, precipitation models, statistical methods, and resource management computer applications. The series contains reports, manuals, articles, limited correspondence, and one floppy disk.

Arranged alphabetically by folder title.

SERIES V: Correspondence, 1968-2002
.5 LF

16 folders of memoranda and correspondence regarding: scientific research and initiatives in Yosemite National Park or involving Yosemite scientists. The correspondence topics include Yosemite Fund Grants and Requests, inquiries about conducting independent research in Yosemite, the University of California Davis Cooperative National Park Studies Unit (UCD CPSU), the Prescribed Fire and Fire Effects Working Team, Jan van Wagtendonk's transfer to the National Biological Survey, and awards and honors received by Dr. van Wagtendonk.

Arranged alphabetically by folder title.

SERIES VI: Merced Canyon Committee Materials, 1962-2007 (bulk dates: 1980-1987)
.5 LF

In the early 1980s, hydroelectric dam projects were proposed at Crane Creek, El Portal, and Indian Flat along the Merced River. Concern about adverse environmental impacts, loss of recreation opportunities on the river, and visual impairment of a major gateway to Yosemite National Park spurred the development of a grassroots effort to oppose dam construction. The efforts involved various local and regional organizations including Mariposans for Environmentally Responsible Growth, Friends of the River, and the Merced Canyon Committee. The grassroots initiative ultimately proved successful when Congress designated 52 miles of the Merced as a Wild and Scenic River in 1987.

Dr. van Wagtendonk and his wife Margene participated in the initiative instigated by the Merced Canyon Committee, but he did not secure formal membership due to his employment at the National Park Service.

Types of material include correspondence, copies of legislation, statements, protests, maps, management plans, reference materials, and aerial photographs regarding the Merced Canyon Committee and other organizations and their efforts to support designation of the Merced as a Wild and Scenic River. It also contains one copy of the 1990 Merced Wild and Scenic River Draft Management Plan. The aerial photographs were identified as part of the aerial photograph collection. Photocopies were made and placed in the Jan van Wagtendonk Collection and the photographs were returned to their original location.

The series is arranged alphabetically by folder title.

SERIES VII: Administrative Records, 1963-2003 (bulk dates: 1971-2000)
1.75 LF

The Administrative Records Series contains records relating to administration of wilderness in Yosemite National Park including endangered species management, fish management, backcountry restoration, and prescribed and natural fire management as well as administration of scientific research in the park including Superintendent's Annual

Investigator's Reports, Yosemite Research Natural Areas (RNAs), research project budget records, and work plans. In addition, the series contains personal information statements for Dr. van Wagtendonk and discussions of proposed projects in the park including implementing an automated lightning detection system, an administrative and forest fire retrieval system, and a geographic information system catalog.

Materials include correspondence, reports, data, annotated position statements, one photograph, photocopies of photographs, summaries, lesson outlines, plans, and one floppy disk containing Channel Islands precipitation data.

This series is arranged alphabetically by folder title.

SERIES VIII: Slides, 1974-2000
1.75 LF

The Slides Series contains slides regarding fuel characteristics, vegetation mapping, fire incidence mapping, scenic views, fuel models, road networks, visitors in park wilderness, and wilderness management. Some slides are clearly labeled for use in presentations while other slides are unlabeled or retained for apparent visual reference purposes. Labeled slide presentations include ecosystem management, fuel assessment, the role of science in park management, Biswell, Housing Study 1, Housing Study 2, 1930s Weislander Map Panel, Geographic Information Systems through the Years, Normalized Difference Vegetation Index (NDVI), and Fire Management and Research in Yosemite. Along with slides, the series contains charts, maps, and limited scientific data. Some of the slides and slide sleeves bear annotation.

The series is arranged according to its original order to preserve important context.

SERIES IX: Map of Trail Segment and Campsite Map - Wilderness Area Simulation Model, Yosemite Region Wilderness Complex, 1976 October
3 oversized maps

This series contains one map, with two duplicate copies, titled Trail Segment and Campsite Map - Yosemite Region Wilderness Complex. The map is intended to be used in conjunction with the Wilderness Area Simulation Model. Additional materials associated with this model can be found in Series II: Scientific Data – Subseries F: Models. Jan van Wagtendonk was the research scientist for this project.

This series was organized according to type of material. The maps were rehoused on oversize roll 9 due to their large size.

FILE UNIT DESCRIPTIONS/CONTAINER LIST

SERIES I: PUBLICATIONS AND SCHOLARLY ACTIVITIES, 1971-2007

Series I: Subseries A: Jan van Wagtendonk, 1971-2007

Series I: Subseries A: Box 1

Folder 0001. The California Spotted Owl: A Technical Assessment of Its Current Status [Folder 1 of 2], 1997-2007
Photograph
Folder 0002. The California Spotted Owl: A Technical Assessment of Its Current Status [Folder 2 of 2], 1997-2007

Folder 0003. Comparison of AVIRIS and Landsat ETMT+ Detection Capabilities for Burn Severity [Folder 1 of 2], 1981-2003

Folder 0004. Comparison of AVIRIS and Landsat ETMT+ Detection Capabilities for Burn Severity [Folder 2 of 2], 1981-2003

Folder 0005. A Conceptual Backcountry Carrying Capacity Model, 1976 November 9-12
Oversize
Folder 0006. Correlation of Woody and Duff Fuel Moisture Contents: Notes, 1984-1985

Folder 0007. Correlation of Woody and Duff Fuel Moisture Contents: conference presentation paper and correspondence, 1984-1985
Oversize
Folder 0008. Correlation of Woody and Duff Fuel Moisture Contents - conference paper peer-reviewed drafts, 1976-1985

Folder 0009. The Determination of Carrying Capacity for the Yosemite Wilderness - conference paper personal drafts and notes, 1976-1985

Folder 0010. Dr. Biswell's Influence on the Development of Prescribed Burning in California, 1991-1994

Series I: Subseries A: BOX 2

Folder 0011. Effect of Yosemite Backcountry Use Levels on Incidents with Black Bears, 1980-1983
Oversize
Folder 0012. Establishing and Implementing Trailhead Quotas for the Yosemite Wilderness [Folder 1 of 2], 1975-1985

Folder 0013. Establishing and Implementing Trailhead Quotas for the Yosemite Wilderness [Folder 2 of 2], 1975-1985
Oversize
Folder 0014. The Establishment and Evaluation of Backcountry Carrying Capacities for Yosemite National Park [Folder 1 of 2], 1975-1976

Folder 0015. The Establishment and Evaluation of Backcountry Carrying Capacities for Yosemite National Park [Folder 2 of 2], 1975-1976
Oversize
Folder 0016. Estimating Fuel Bed Characteristics of Sierra Nevada Conifers [Folder 1 of 5], 1980-1997
Oversize
Folder 0017. Estimating Fuel Bed Characteristics of Sierra Nevada Conifers [Folder 2 of 5], 1980-1997
Oversize

Series I: Subseries A: BOX 3

Folder 0018. Estimating Fuel Bed Characteristics of Sierra Nevada Conifers [Folder 3 of 5], 1980-1997
Oversize
Folder 0019. Estimating Fuel Bed Characteristics of Sierra Nevada Conifers [Folder 4 of 5], 1980-1997
Oversize
Folder 0020. Estimating Fuel Bed Characteristics of Sierra Nevada Conifers [Folder 5 of 5], 1980-1997
Oversize
Folder 0021. Estimating Travel Times on Backcountry Trails, 1980
Punchcard
Folder 0022. The Evolution of National Park Service Fire Policy [Folder 1 of 2], 1989-1991
Punchcard
Folder 0023. The Evolution of National Park Service Fire Policy [Folder 2 of 2], 1989-1991

Folder 0024. Evolution of the Natural Fire Management Program at Sequoia and King's Canyon National Parks, 1982-1984
Punchcards, oversize
Folder 0025. Fire and Fuel Management in Relation to Owl Habitat, 1991-1992

Folder 0026. Fire and Fuel Relationships in Mixed Conifer Ecosystems of Yosemite National Park [Dissertation Paper], 1971-1972
Punchcard
Folder 0027. Fire Management in Yosemite Mixed-Conifer Ecosystems, 1980

Folder 0028. Fire Policies and Park Goals: Conflict or Harmony?, 1991-1993

Folder 0029. Fire Suppression Effects on Fuels and Succession in Short Interval Wilderness Ecosystems [Folder 1 of 2], 1985-1993

Series I: Subseries A: BOX 4

Folder 0030. Fire Suppression Effects on Fuels and Succession in Short Interval Wilderness Ecosystems [Folder 2 of 2], 1985-1994

Folder 0031. Fire in Wilderness and Park Management Conference, 1991-1993

Folder 0032. Fuel Accumulation Rates after Prescribed Fires in Yosemite National Park [Folder 1 of 2], 1985-1987

Folder 0033. Fuel Accumulation Rates after Prescribed Fires in Yosemite National Park [Folder 2 of 2], 1985-1987

Folder 0034. Fuel Characteristics of Sierra Nevada Coniferous Tree Species and Cover Types study plan [Folder 1 of 3], 1980-1982

Folder 0035. Fuel Characteristics of Sierra Nevada Coniferous Tree Species and Cover Types study plan [Folder 2 of 3], 1980-1982

Folder 0036. Fuel Characteristics of Sierra Nevada Coniferous Tree Species and Cover Types study plan [Folder 3 of 3], 1980-1982

Series I: Subseries A: BOX 5

Folder 0037. Heat Content Variation of Sierra Nevada Conifers [Folder 1 of 4], 1961-1997

Folder 0038. Heat Content Variation of Sierra Nevada Conifers [Folder 2 of 4], 1961-1997

Folder 0039. Heat Content Variation of Sierra Nevada Conifers [Folder 3 of 4], 1961-1997

Folder 0040. Heat Content Variation of Sierra Nevada Conifers [Folder 4 of 4], 1961-1997

Folder 0041. Interfacing Wilderness Permit Data [Folder 1 of 2], 1978-1979

Folder 0042. Interfacing Wilderness Permit Data [Folder 2 of 2], 1978-1979

Series I: Subseries A: BOX 6

Folder 0043. Long-Term Surface Fuel Accumulation in Burned and Unburned Mixed-Conifer Forests of the Central and Southern Sierra Nevada, 2003
Oversize
Folder 0044. Long-Term Wilderness Research in the Sierra Nevada National Parks [Folder 1 of 2], 1959-1993, bulk 1991-1993
Oversize
Folder 0045. Long-Term Wilderness Research in the Sierra Nevada National Parks [Folder 2 of 2], 1959-1993, bulk 1991-1993
Oversize
Folder 0046. Modeling Behavior of Prescribed Fires in Yosemite National Park [Folder 1 of 3], 1979-1984

Folder 0047. Modeling Behavior of Prescribed Fires in Yosemite National Park [Folder 2 of 3], 1979-1984

Folder 0048. Modeling Behavior of Prescribed Fires in Yosemite National Park [Folder 3 of 3], 1979-1984
Photograph
Folder 0049. Natural Fire Management in National Parks, 1984-1985
Photograph
Folder 0050. Physical Properties of Woody Fuel Particles of Sierra Nevada Conifers, 1986-1996
Oversize

Series I: Subseries A: BOX 7

Folder 0051. Prescribed Fire Effects on Forest Understory Mortality and Fuel Reduction, 1982
Oversize
Folder 0052. Prescribed Fire Ignition with Fusee Dropper, 1984

Folder 0053. Prescribed Fire Monitoring and Evaluation Guide, 1981-1982

Folder 0054. Public Compliance with Mandatory Wilderness Permits [Folder 1 of 2], 1973-1980

Folder 0055. Public Compliance with Mandatory Wilderness Permits [Folder 2 of 2], 1973-1980
Photograph
Folder 0056. Refined Burning Prescriptions for Yosemite National Park, circa 1974
Photographs
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Folder 0001. Comments of the Merced Canyon Committee to the Sierra National Forest Regarding the Draft Land and Resource Management Plan, 1987 January

Folder 0002. General Merced Canyon Committee, 1970-1984, 2006

Folder 0003. General Merced Canyon Committee - Hydraulic Facility, 1974, 1980-1985

Folder 0004. General Merced Canyon Committee - Plat Maps [Folder 1 of 2], 1914, 1958, 1969, 1976-1985

Folder 0005. General Merced Canyon Committee - Plat Maps [Folder 2 of 2], 1914, 1958, 1969, 1976-1985

Folder 0006. Merced Canyon Committee - River Data, 1940, 1978-1984

Folder 0007. Merced Canyon Committee - Wild and Scenic Rivers Designation, 1964, 1980-2007

Folder 0008. Merced River, Instream Flow Study, Yosemite National Park, 1984 October 22

Folder 0009. Merced River Inventory, 1979-1983

Folder 0010. Merced Wild and Scenic River Draft Management Plan, 1990

SERIES VII: Administrative Records, 1963-2003 (bulk dates: 1971-2000)

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Folder 0001. Administrative and Forest Fire Information Retrieval and Management System (AFFIRMS), 1977-1979

Folder 0002. Automated Lightning Detection System, 1981-1982

Folder 0003. Development Suitability in Yosemite Valley by Zone, 1994

Folder 0004. Endangered Species in Yosemite [Folder 1 of 2], 1974-1991

Folder 0005. Endangered Species in Yosemite [Folder 2 of 2], 1974-1991

Folder 0006. Fire Policy Review, 1989-1995

Folder 0007. Fish Management in Yosemite, 1974-1976

Folder 0008. Foresta Prescribed Burn, 1975

Folder 0009. The Future Use of Yosemite Valley Research Proposal, 1966-1967, 1993

Folder 0010. Geographic Information System Catalog for Yosemite, 2003

Folder 0011. Hetch Hetchy Drinking Water Assessment, 2000

Folder 0012. Natural Fire Management [Folder 1 of 2], 1975-1986

Folder 0013. Natural Fire Management [Folder 2 of 2], 1975-1986

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Folder 0014. Natural Sciences Research Plan [Folder 1 of 2], 1973-1984

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Folder 0016. Prescribed Fire Management [Folder 1 of 2], 1974-1986

Folder 0017. Prescribed Fire Management [Folder 2 of 2], 1974-1986

Folder 0018. Position Information Statements [Folder 1 of 2], 1975, 1980-2004

Folder 0019. Position Information Statements [Folder 2 of 2], 1975, 1980-2004

Folder 0020. Research Project Budget Records, 1993-2000

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Folder 0021. Superintendent's Annual Investigator's Reports [Folder 1 of 4], 1963-1987

Folder 0022. Superintendent's Annual Investigator's Reports [Folder 2 of 4], 1963-1987

Folder 0023. Superintendent's Annual Investigator's Reports [Folder 3 of 4], 1963-1987

Folder 0024. Superintendent's Annual Investigator's Reports [Folder 4 of 4], 1963-1987

Folder 0025. Weislander Vegetation Type Map (VTM) Comparative Studies, 1982, 1993-1996

Folder 0026. Western Ecological Research Center (WERC) Workshop, 2000

Folder 0027. Wilderness Management Lesson Outlines, 1978

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Folder 0028. Work Plans, 1977-1986

Folder 0029. Yosemite Association Backcountry Restoration Work Week [Loose], undated
Photograph
Folder 0030. Yosemite Hydroclimatology Study, 1992-1999
Floppy disk
Folder 0031. Yosemite Research Natural Areas (RNAs), 1976-1986

SERIES VIII: SLIDES, 1974-2000

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SERIES IX: MAP OF TRAIL SEGMENT AND CAMPSITE MAP - YOSEMITE REGION WILDERNESS COMPLEX, 1976 October

Map of Trail Segment and Campsite Map - Yosemite Region Wilderness Complex [Wilderness Area Simulation Model], 1976 October
Oversize maps (1 original, 2 copies) located on oversize roll 9; scanned image available

SEPARATED MATERIAL

Oversize Materials

OVERSIZE BOX 1 – Series II: QUOTA Program data sheets

OVERSIZE BOX 2 – Series II: QUOTA Program data sheets

OVERSIZE BOX 3 – Series I: oversized material

OVERSIZE DRAWER E-31 – Series I & III: 13 maps

OVERSIZE ROLL 9 – Series IX: 3 maps