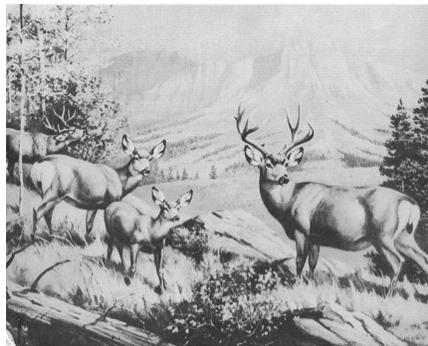




## FINDING AID

# **BRANCH OF AQUATIC AND WILDLIFE MANAGEMENT 1906 - 2007(bulk dates: 1960 - 2007)**

Prepared by Alyson Mazzone



National Park Service

Catalog Number: SEKI 22568

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## ***HISTORY***

Established in 1890, Sequoia National Park is America's second oldest national park. While early park managers were concerned with providing access to the public and promoting visitation, by the 1930's, the park became one of the first to address the cumulative effect of visitation and development on the ecosystems the parks were established to protect. Under the leadership of George Wright, the first chief of the wildlife for the National Park Service, and the pioneering work of biologists like Lowell Sumner and Joseph Dixon, Sequoia would provide important data for baseline populations and contribute to the emergence of modern natural resources management. With the creation of Kings Canyon as the nation's first wilderness park, park management was confronted with the need to understand the nature and scale of human impacts to park areas. While undeveloped, the area had been used extensively by visitors for decades; its meadows had been grazed, both by cattle and by pack animals, its mountain lakes stocked with non-native fish species, and the behavior of key species modified by human influence. The process of understanding these impacts was accelerated by the release of the Leopold Report. Published in 1963, the report prompted National Parks to expand resource management programs. Sequoia and Kings Canyon National Park developed the wildlife management program, funding more wildlife biologist positions and filling them with qualified scientists. In 1976, the Division of Natural Resources Management in Sequoia and Kings Canyon National Park was established out of the consolidation of work functions drawn from throughout the parks' administration. The principle challenges of the era were an increasingly problematic relationship between visitors and bears habituated to human foods, population shifts through the loss of predator species, and the impact of introduced fish species on aquatic ecosystems. Through the 1980s and 1990s, with Harold Werner as Aquatic and Wildlife Management ecologist, the branch continued to engage these challenges. In 2005, with the recognition of the threat posed by non-native fish populations to local amphibians, the branch of Aquatic and Wildlife Management added an aquatic biologist and for the first time in its history it had separate specialists for the parks' two major ecosystems: aquatic and terrestrial. Reorganization has continued, and today the branch focuses on studying and protecting the natural ecosystems of the parks. Projects include the continuous removal of invasive species - especially fish and plants from certain ecosystems, bear management, and the protection of threatened and endangered species. The Branch of Aquatic and Wildlife Management had become the branch of Biodiversity and Ecological Resilience in 2011.

## ***SCOPE AND CONTENT***

### BRANCH OF AQUATIC AND WILDLIFE MANAGEMENT 1906 - 2007 (bulk dates: 1960 - 2007)

<i>CATALOG NUMBER</i>	SEKI 22568
<i>VOLUME</i>	[Extent]33.25 [Type of unit]LF
<i>DESCRIPTION</i>	<p>This collection consists of scientific field data, field notes, plans, reports, articles, correspondence, reference material, research, maps, resources, aerial photographs, personal notes, meeting notes, data logs, manuals, protocols, surveys, regulations, development impact studies, publications, environmental assessments, statements, comments, contract modifications, contract renewals, permits, strategy, and budget and staffing records relating to Wildlife Management in Sequoia and Kings Canyon National Parks. Specific topics include Aquatic and Terrestrial Resources, Fire Management and Impact, and Compliance records.</p>
<i>ORGANIZATION</i>	[Organization]Organized into V Series: Series I: Aquatic Resources; Series II Terrestrial Resources; Series III: Fire Management and Impact; Series IV: Administrative Files; Series V: Park Wide Project Review.
<i>PROVENANCE</i>	
<i>RESTRICTIONS</i>	NO

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<i>ASSOCIATED MATERIALS</i>	
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## ***HIERARCHY***

- I. SERIES I: AQUATIC RESOURCES, 1906-2007 (bulk dates: 1977, 1980-1987, 1990-2007)
  - A. SUBSERIES I: PHYSICAL SCIENCE, 1935-2004 (bulk dates: 1981-1987, 1993)
  - B. SUBSERIES II: PLANTS, 1955-2005 (bulk dates: 1991-2001)
  - C. SUBSERIES III: AQUATIC VERTEBRATES, 1906-2007 (bulk dates: 1977, 1980-1985, 1990-2007)
- II. SERIES II: TERRESTRIAL RESOURCES, 1922-2007 (bulk dates: 1960-1997, 2001-2007)
  - A. SUBSERIES I: VERTEBRATE INVENTORY, 2003-2004
  - B. SUBSERIES II: BEARS, 1940-2005 (bulk dates: 1973-1997)
  - C. SUBSERIES III: DEER, 1922-2003 (bulk dates: 1960-1980, 1990-1993)
  - D. SUBSERIES IV: OTHER ANIMALS, 1930-2007 (bulk dates: 1982-1997, 2001-2007)
- III. SERIES III: FIRE MANAGEMENT AND IMPACT, 1973-2002 (bulk dates: 1991-2002)
- IV. SERIES IV: ADMINISTRATIVE FILE, 1933-2008 (bulk dates: 1990-2007)

V. SERIES V: PARK WIDE PROJECT REVIEW, 1974-2006 (bulk dates: 1991-1998)

***SERIES DESCRIPTIONS***

I. *SERIES I: AQUATIC RESOURCES, 1906-2007 (bulk dates: 1977, 1980-1987, 1990-2007)*

The series is arranged into three Subseries: Subseries A Physical Science; Subseries B Plants and Subseries C Aquatic Vertebrates.

The series consists of scientific field data, reports, plans, manuals, protocols, surveys, regulations, articles, correspondence, maps, and aerial photographs relating to Aquatic Resources in Sequoia National Park. Records relate to the aquatic areas of Sequoia National Park specifically to the habitats, chemistry, plants, and animals of the aquatic areas of Sequoia National Park.

A. *SUBSERIES I: PHYSICAL SCIENCE, 1935-2004 (bulk dates: 1981-1987, 1993)*

This subseries is organized by themes. Beginning with the broad subjects of aquatic resource management plans and wetland classification, the arrangement then narrows into specific topics, including individual bodies of water and scientific studies on aquatic resources.

This subseries consists of scientific field data, guidelines, reports, plans, articles, correspondence, memos and aerial photographs relating to the Physical Sciences of the Aquatic resources in Sequoia and Kings Canyon National Park. The Majority of information is scientific field data such as surveys, calibration curves, and reports of the lake studies, water quality and water chemistry of the Parks' water sources.

B. *SUBSERIES II: PLANTS, 1955-2005 (bulk dates: 1991-2001)*

Arranged in two major themes: plant species and wetlands.

The subseries consists of reference resources, field data, manuals, handwritten notes, testing results, record forms, surveys, reports, and analysis relating to plants and the wetland inventory in Sequoia National Park.

*C. SUBSERIES III: AQUATIC VERTEBRATES, 1906-2007 (bulk dates: 1977, 1980-1985, 1990-2007)*

Sequoia National Park's major concern when it was established in 1890 was promoting visitor recreation. Fishing - a popular leisure sport at the time - required stocking previously fishless mountain lakes with non - native fish. The negative impacts of fish stocking initiated the decline of the Mountain yellow-legged frogs.

Continuing well into the 20th century, it wasn't until the publication of the Leopold Report in 1963 that prompted the parks to begin to limit fish stocking. It was not discontinued completely until 1991.

By the time Sequoia National Park established the Division of Natural Resources Management, the impact of introduced fish species on aquatic ecosystems was understood to be one of the principle challenges. In 2005, with the recognition of the impact of non-native fish populations to local amphibians, the branch of Aquatic and Wildlife Management added an aquatic biologist and for the first time in its history it had separate specialists for the parks' two major ecosystems: aquatic and terrestrial.

Today, the branch of Biodiversity and Ecological Resilience continues to protect the native species of the Sequoia and Kings Canyon aquatic ecosystems through the removal of non-native fish and the monitoring of the native mountain - legged frog.

Maintaining original order as much as possible, this subseries is arranged into three categories of aquatic animals: fish, frogs, and turtles. Fish is further broken down into fish data, fisheries research and fish stocking. Organization within the groupings is alphabetical.

The subseries consists of research studies, data, logs, notes, plans, reports, maps, regulations, correspondence, articles, brochures, policy, legislation, photographs, environmental assessments, recommendations, theses, budgets, photographs, and field samples relating to the fish, amphibians, and turtles of Sequoia National Park. Three separate groupings of fish information: fisheries, fish stocking, and fish data, include data, plans and notes, while the amphibian information mostly concerns Mountain Yellow Legged Frogs.

II. *SERIES II: TERRESTRIAL RESOURCES, 1922-2007 (bulk dates: 1960-1997, 2001-2007)*

This Series is arranged into four subseries: A Vertebrate Inventory; B Bears; C Deer; and D Other Animals.

This series contains field data, field notes, plans, reports, correspondence, development impact studies, publications, maps, reference material, articles, resources and aerial photographs relating to the terrestrial animals of Sequoia and Kings Canyon National Park.

A. *SUBSERIES I: VERTEBRATE INVENTORY, 2003-2004*

This subseries contains data and resources relating to the 2003-2004 Vertebrate Inventory that documented animals in specific areas of the park.

B. *SUBSERIES II: BEARS, 1940-2005 (bulk dates: 1973-1997)*

Sequoia National Park's major concern when it was established in 1890 was promoting visitor recreation. One major appeal in the park was the wild black bear. Treated as treasured and exotic pets, Sequoia National Park created visitor attractions such as "Bear Hill" – a garbage dump with bleachers for visitors to watch bears feed.

Beginning as early as the 1930's, the park became one of the first to address how visitation affected wildlife. Although the pioneering work of park biologists encouraged Sequoia to discontinue Bear Hill, it wasn't until the 1960's where the long-term effects of human/bear interaction were taken seriously. Published in 1963, the Leopold Report prompted National Parks to expand resource management programs in order to better protect park resources.

With the establishment of the Division of Natural Resources Management in 1976, the park continued to address the ongoing challenges of visitor and bear relationships and created a program to combat bears receiving human food. Today, the branch of Biodiversity and Ecological Resilience employs one full time Bear Technician and three seasonal positions whose job it is to educate the public on bear safety, proper food storage, and haze and destroy problem bears.

This subseries has been arranged into the broad themes of General Bear Management, narrowing to field data and specific bear management projects (e.g., food locker storage and public information for bear safety).

This subseries contains bear management plans and reports, resources for dealing with bears, articles, bear identification and relocation data, scientific studies, public information, signs, general correspondence, administration notes, and bear monitoring information. Resources include drawings and plans for bear canisters, as well as public information for interacting with bears such as brochures and flyers.

*C. SUBSERIES III: DEER, 1922-2003 (bulk dates: 1960-1980, 1990-1993)*

Arranged with general plans and information at the beginning of the series and narrowing to scientific data on specific deer herds.

This series contains browse-transect data, scientific field notes, deer management plans, reports, correspondence, development impact studies, publications, maps, and aerial photographs relating to Deer Management in Sequoia National Park. The data and field notes relate to specific deer populations inside the park: the Mineral King, Ash Mountain, Giant Forest, Halstead Meadow, Kern, and Monarch herds. Outside reference and data is included due to the close borderline with the Forest Service.

*D. SUBSERIES IV: OTHER ANIMALS, 1930-2007 (bulk dates: 1982-1997, 2001-2007)*

Although Bears, Deer, and Aquatic Vertebrates comprise the bulk of the series, records were kept for number of other animal species. This subseries is arranged by the size of animal from large mammals to small insects. The list of animals is as follows: Mountain Lions and Feral Cats, Feral Pigs, Bighorn Sheep, Mountain Beaver, Marmots, Small Mammals, Ground Squirrel, Chipmunk, Bats, Birds, and Insects.

This subseries contains scientific data, reference material, plans, report, literature, studies, reference articles, guides, research, correspondence, pictures, theses, memos, environmental assessment, and meeting notes relating to various small animals that inhabit Sequoia and Kings Canyon National Park. Of note is the information on Sierran Big Horn Sheep – a threatened and endangered animal. Other important topics include animals that cause issues for park visitors or are especially dangerous such as marmots and mountain lions.

*III. SERIES III: FIRE MANAGEMENT AND IMPACT, 1973-2002 (bulk dates:*

*1991-2002)*

Arranged with plans and reports for fire management preceding data logs and studies completed by park fire crews. Organized chronologically.

This series consists primarily of information on the Fire Management Committee and programs on fire management – some of which contain the comments of the parks' wildlife biologist. The series also includes research, articles, and notes on fire and fire management as well as data logs for specific fires. These include Potwisha, Paradise Ridge, and Ponderosa.

*IV. SERIES IV: ADMINISTRATIVE FILE, 1933-2008 (bulk dates: 1990-2007)*

This series is arranged with the overall collection in mind and follows the general structure of the collection.

General records (including budget and staffing) are found at the beginning. Reference material relating to the various branch projects are organized following the finding aid hierarchy; aquatic resources, terrestrial resources, fire management, and park wide project review.

*V. SERIES V: PARK WIDE PROJECT REVIEW, 1974-2006 (bulk dates: 1991-1998)*

This series is organized into two major sections. The first and largest section concerns "Project 200", a very large and complex project for the ecological restoration of Giant Forest. The other section is a compilation of smaller projects that came under park review.

This series contains plans, environmental assessments, statements; comments, correspondence, reports, personal notes, meeting notes, research, scientific field notes, contract modifications, contract renewals, permits, regulations, strategy, and maps relating to project review for the Environmental Monitoring Committee. The main topics are draft environmental assessments, comments, development plans and Denver Service Center work session on Project 200. Other topics include the relicensing of Southern California Edison hydroelectric project, Halstead Meadow restoration, Clover Creek Water Dump, and construction projects at Bearpaw Meadow, Grant Grove, and Mineral King.

## ***FILE UNIT DESCRIPTIONS***

*SERIES I: AQUATIC RESOURCES, 1906-2007 (bulk dates: 1977, 1980-1987, 1990-2007)*

- 001. Water-- Law and Legislation, Chronology , Guidelines, 1970 - 1978**
- 002. Water and the Wetlands, 1962 - 2003**
- 003. [Aquatic /Water Resources Management Plan], 1984**
- 004. Aquatic Water Resources Management Plan, 1984**
- 005. Aquatic Inventory, Wetlands Classification**
- 006. Wetland Classification Schematic [Outlines]**
- 007. [Manual for Development of Aquatic Resource Inventory]**
- 008. Water Resource Management, Instruction, Inventory, Research Studies, Memos, Glossary, 1979 - 1995**
- 009. [Aquatic Resources Inventory Survey Protocol - Draft], [1993]**
- 010. Inventory Aquatic Resources - Phase I-II [Project Proposal], [1992 -**

**1993]**

- 011. Aquatic Resources Inventory - Phase I [Final Report], [1995]**
- 012. [Aquatic Inventory Crew - Trip Planning Information], [1993]**
- 013. [Aquatic Inventory Maps] [Annotated Typography Maps]**
- 014. Water Sample Data and Forms, [1993]**
- 015. Aerial Photographs - 601 - 40, 42, 44, 587 - 48, 50, 52, 172, 172, 563 - 154, 156, [1985 - 1988]**
- 016. Data Sheets [Blank Forms]- Aquatic**
- 017. Aquatic Inventory Equipment Manuals [Data Results Printout]**
- 018. Aquatic Inventory Data Codes [Species Computer Code List], [1993]**
- 019. Aquatic Resource Inventory [Database Printout], [1993]**
- 020. Aquatic Inventory Flora [Resources, Data Printouts], [1993]**
- 021. Aquatic Resources, Lake Studies - Survey Findings, [1993]**
- 022. Castle Creek [Aquatic Resources Inventory]**
- 023. Buck Creek (Moose Lake Area) [Aquatic Resources Field Forms], [1993]**
- 024. [Castle Creek, Hamilton Lake, Tamarack Lake - Field Notes, Data Forms], [1993]**
- 025. Eagle Lake, Photographs and Compact Disk, July 26, 2003; August 16, 2005**
- 026. Drainages and Waterways (Sequoia and Kings Canyon N.P. - Lists of Acreage and Mileage)**
- 027. Cattle Creek Drainage [Aquatic Resources Field Forms], [1993]**
- 028. Crescent/ Moro Drainage (GIS) [Field Forms], [1993]**

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- 029. Hamilton Drainage [Aquatic Resources Inventory - Field Forms], [1993]**
- 030. Lone Pine Drainage [Aquatic Resources Field Forms], [1993]**
- 031. Drought Planning, 1991**
- 032. Water Chemistry -- Wastewater Treatment Plants Operations Reports, Plant Schema, Literature Review, 1981, 1988**
- 033. Water Chemistry -- Testing and Analysis -- Instructions, Procedures, Booklets, Reports, 1962 - 1983**
- 034. Water Chemistry (Sequoia Kings N.P.) Published Scholarly Articles, 1979 - 2003**
- 035. Water Chemistry - Monitoring Areas, Maps, 1983**
- 036. Water Chemistry, Raw Data, 1987 - 1988**
- 037. Water Chemistry -- Monitoring Survey Reports, Correspondence, 1935 - 1985**
- 038. Water Chemistry -- Monitoring Survey Reports, 1983 - 1987**
- 039. Calibration Curves, 1983**
- 040. Calibration Curves: Phosphate (Stannous Chloride), Sulfate (Turbid metric), Silica (Meterpoly Blue - Silcomoly Bdiate), Nitrogen (CAD Reduction)**
- 041. Procedures for Determining Sulfate, Chloride, Ammonia, Nitrate**
- 042. Water Chemistry -- Acids, Scholarly Journal Articles, Newspaper Clippings, 1975 - 1981**
- 043. Water Chemistry -- Acids -- Testing and Monitoring, Research Studies, Procedure Guides, 1978 - 1984**
- 044. Acid Neutralizing Capacity [Forms, Graphs], [1993]**
- 045. Ammonia Data, 1983**

046. Water Quality
047. [Water Quality - Resources, Reports -- Part 1], 1987 - 2002
048. Quality Criteria for Water, Update #1 and #2, Misc. Microfiche Documents, 1986
049. [Land Manager's Guide to Water Quality, Monitoring, A Comparison of Wetland Delineation Manuals
050. [Water Sampling - Notebooks], [1981 - 1983]
051. [Water Sampling - Notebooks], [1984]
052. [Water Quality Sampling - Notebook], [1987]
053. [Water Sampling - Field Notebook], [1983]
054. [Water Quality Monitoring - Memo Notebook], 1984
055. [Water Quality Monitoring - Field Notebook], [1984]
056. [Potwisha - Field Notebook]
057. [Potwisha Water Quality - Field Notebook, [1983 - 1984]
058. Water Quality -- Monitoring, Procedures Guide, 1955 - 1982
059. Water Quality -- Sampling -- Equipment Evaluation and Comparison Reports, August 1983
060. Water Quality -- Sampling, Environmental Impact Reports, Results, October 1978, 1983
061. Water Quality -- Sampling, Site Maps, August 19, 1996
062. Water Quality -- Sequoia Kings Canyon National Park Reports, 1981 - 1988
063. Worksheets Filled by Month [Water Quality Data], May 1983
064. [Water Quality Data], June 1983

065. [Water Quality Data], July 1983
066. [Water Quality Data], August 1983
067. [Water Quality Data], September 1983
068. [Water Quality Data], October 1983
069. [Water Quality Data], November 1983
070. Generated Paperwork - Notes, Scratch Paper, Mistakes, Old Data (Recopies), Etc, 1982
071. [Lab inventory, Supply Order], 1984
072. Water Quality -- Bacteria, Scholarly Journal Articles, Environmental Impact Statements, 1976 - 1977
073. Water Quality -- Giardia, Research Studies, Plot Maps, 1979 - 2004
074. Water Quality -- Hydrological Studies -- Wolverton Meadow, Memos, Notes, Site Maps, 1983
075. Water Quality Protocol - Draft, 1983
076. Water Quality Report, 1984
077. Maps [Study Areas]
078. L25-11 [Water Quality Data], [1981 - 1982]
079. Water Quality Data, 1985
080. Guitar - Campground Area Info - Forester
081. Misc. Sampling, Potholes, Swimming Holes [Water Quality Data], [1983]
082. High Elevation Rivers/Creeks (Kaweah, Dorst, Clover) Worksheets [Water Quality Data], 1984
083. Low Elevation Rivers/ Creeks (Kaweah) Worksheets [Water Quality Data], 1984

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084. Low Elevation Streams (Ash Mt. Area, Paradise Creek, Divisadero Creek) [Water Quality Data], [1983]
  085. East Fork, Atwell Trail Crossing [Water Quality Data], [1981 - 1982]
  086. East Fork Kaweah, at Boundary [Water Quality Data], [1981 - 1983]
  087. Pear Lake [Water Quality Data], [1981 - 1982]
  088. Road's End S. Fork Kings, Above Copper Creek [Water Quality Data], [1981 - 1982]
  089. Sand Meadow [Water Quality Data], [1981 - 1982]
  090. Soda Springs Creek [Water Quality Data], [1981 - 1982]
  091. Summit Lake [Water Quality Data], [1981 - 1982]
  092. Upper Franklin Lake [Water Quality Data], [1981 - 1982]
  093. Marble Fork, Above Suwanne Creek [Water Quality Data], [1981, 1982, 1985]
  094. Middle Fork Kaweah, at Potwisha [Water Quality Data], [1981 - 1983]
  095. Middle Fork, Main Stem Kaweah, at Boundary [Water Quality Data], [1981 - 1983]
  096. Middle Fork Kaweah, at Buckeye Br. [Water Quality Data], [1981 - 1983]
  097. North Fork Kaweah, at Boundary [Water Quality Data], [1981 - 1983]
  098. South Fork Kings, at Boundary [Water Quality Data], [1982 - 1983]
  099. South Fork Kaweah, at Boundary [Water Quality Data], [1981 - 1983, 1985]
  100. Marble Fork, at Generals Highway [Water Quality Data], [1981 -

**1985]**

- 101. East Fork Kaweah, Above Pack Station [Water Quality Data], [1981 - 1983, 1985]**
- 102. Main Stem Kaweah, Below HQ [Water Quality Data], [1982]**
- 103. Twin Lakes [Water Quality Data], [1981 - 1982]**
- 104. Hunter Creek [Water Quality Data], [1981 - 1982]**
- 105. Ash Mt. Dump [Water Quality Data], [1982]**
- 106. Artic Lake [Water Quality Data], [1983]**
- 107. Ash Mt. Surface Runoff [Water Quality Data], [1983]**
- 108. Clover Creek, Sampling Sites Along Clover Creek [Water Quality Data], [1983]**
- 109. Clover Creek Spray Field and Adjacent Areas - Cedar Seep, No Name, Halstead, Marble Fork [Water Quality Data], [1983]**
- 110. Control Lake [Water Quality Data], [1983]**
- 111. East Fork Kaweah, Silver City Creek [Water Quality Data], [1983]**
- 112. Forester Meadow [Water Quality Data], [1983]**
- 113. Forester Lake Impact Study [Water Quality Data], [1983]**
- 114. Giant Forest Sewage Facility [Water Quality Data], [1983]**
- 115. Guitar Lake Impact Study [Water Quality Data], [1983]**
- 116. Main Stem Kaweah [Water Quality Data], [ 1983]**
- 117. Middle Fork - Control [Water Quality Data], [1983]**
- 118. Middle Fork Kaweah [Water Quality Data], [1983]**
- 119. Misc. Creeks, Lewis Red Fir [Water Quality Data], [1983]**

120. **Potwisha Impact Study, Middle Fork - Above Study Site [Water Quality Data], [1983]**
121. **[Water Quality Monitoring Data Sheets, Middle Fork, Potwisha], [1983]**
122. **Marble Fork Kaweah, Lodgepole Impact Area - Campground [Water Quality Data], [1983, 1985]**
123. **Surrounding Areas, Hitchcock Lake, Whitney Creek, Warm Spring [Water Quality Data], [1983]**
124. **Clover Creek Spray Field/ Area Worksheets [Water Quality Data], 1984**
125. **Forester/ Control and Meadow Worksheets [Water Quality Data], 1984**
126. **Guitar/ Arctic and Area, Worksheets [Water Quality Data], 1984**
127. **Guitar and Forester Area Info [Water Quality Data], 1984**
128. **Kings River Worksheets [Water Quality Data], 1984**
129. **Lower Kaweah Spray Field/ Area Worksheets [Water Quality Data], 1984**
130. **To be Logged onto the Computer [Water Quality Data, Map of Study Area], [1984 - 1985]**
131. **Visitor Impact Sheets, [1984]**
132. **Visitor Counts, Notes, [Visitor Impact on Aquatic Resources]**
133. **Maps, Data Summaries, Visitor Counts [Visitor Impact on Aquatic Resources], [1983]**
134. **[Holland, Robert: Preliminary Description of the Terrestrial Natural Communities of California], [1986]**
135. **[Standardized National Vegetation Classification System], [1994]**
136. **Classification Schemes -- Vegetation, Tables, 2005**

137. [California Native Plant Society - Reference Material], [1995]
138. Sensitive Plant Species Manuals, 1981 - 1984
139. Flora - Endangered and Invasive Species, 1994 - 2003
140. Vegetation -- Threatened and Endangered, Bibliography, August 1995
141. N1433 Vegetation Research and Sequoia Research, [1955 - 1974]
142. Vegetation Type (Plot) Maps, Research Studies, Briefs, 2004
143. N1621 Plants -- Threatened and Endangered -- Identification Regulations, Acts, Legislature, Amendments, Reports, 1978 - 1981
144. Flora - Vascular Plants
145. Melampsora Rusts
146. [Douglas - Fir Tussock Moth Outbreak], [1998]
147. [Bearpaw Meadow - Plant Survey, Handwritten Notes]
148. [Plant Toxicity Testing with Sediment and Marsh Soils], [1991]
149. [Plant Bioassays for Monitoring Industrial Wastes]
150. Wetlands Assessments Final Report
151. [Kern River Research Center Riparian Restoration - Record Forms], [1995]
152. Wetlands Assessment - Final Report
153. DIB Wetlands Correspondence, 1999
154. Wetlands Assessment - FY03 Analysis
155. [Wetland Inventory - Protocol Notes, Final Report], [1993]
156. Wetlands Indicator Plant System [Classification Printout]

157. Wetlands - Field Data Sheets, 2001
158. GIS info [Wetland Survey Field Plot Points], [1992]
159. [Wetland Flora Computer Database Instructions]
160. Fisheries - Fish Planting Maps
161. Fishing -- Recreation -- Kings Canyon National Park (Calif.)
162. Fish -- Impact on, from Coal-Fired Power Plants, Executive Summary
163. [Sequoia - Kings Canyon National Parks Lake Planting History, Lists], [1906 - 1976]
164. Fish and Fishing, 1910 - 2004  
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165. Fisheries, Lakes, Mineral King, 1936
166. Fisheries Management, Deer Trampling -- Environmental Impact, Reports, 1940, 1986
167. Topographic Maps -- California and SEKI, Fish and Frogs, [1958], [1990, 1994]
168. Fisheries Monitoring -- Misc. Creek Census, [1966, 1967]
169. Water Resource Management -- Fishing and Fisheries, Draft Fishing Regulations, Lists, Programs Handbook, Inventory of Marked Lakes, 1966 - 1967
170. Trout -- Research Studies -- Kern River (Calif.), Reports, Research, Correspondence, 1967 - 1977
171. [N1423 - SEKI - Fish - Correspondence, 1969 - 1974]
172. N1423 Fisheries -- Management, Logs, Receipts, 1971 - 1975
173. N1423 Fish Management, [1973 - 1988]
174. [N1425, SEKI, Fish - Policies, Articles, Correspondence], 1975

175. Fisheries - Lake Study and Acreage Grids, [1976]
176. [SEKI - Fish Management - Brochures, Correspondence], 1976 - 1978
177. Fish Stocking -- Policy; Legislation, Agenda, Literature Review, Research Studies, April 6, 1990; August 1976, 1987
178. Report Master Copy 10-77 [Fish Population], [1977]
179. N13-3 Horseshoe L. #3, [1977]
180. S21-9 Vidette Lake #3, [1977]
181. N35-1 Ansel Lake, 1977
182. L15-2 Volcanic Lake #5
183. J24-3 Ranger Lake #2, 1977
184. L15-8 Volcanic Lake #7W, 1977
185. J10-8 Tunemah Lake, 1977
186. Map Transparencies - Mt. Goddard, Min. King, Marion Peak, Big Pine, Mt. Whitney, Mt. Pinchot, Triple Divide Peak
187. Fisheries - Planting Information from Sierra Club Bulletin (by Baarror and Simerly)
188. [Lake Survey, Fish Population Data], [1977]
189. Fish and Wildlife -- Equipment, Inventories, 1979
190. [Stream Habitats - Dana - L. Abell- Notes, Paper], [1979 - 1981]
191. Fisheries -- Creel -- Population Studies, Logs, Data, Photographs, 1979 - 1984
192. Fish Misc. Ret [Fisheries Monitoring and Management Reports], [1981 - 1987]

193. Fish and Fisheries, 1984 - 2002
194. [Fisheries Management - Finding of No Significant Impact, Environmental Assessment], [1986 - 1987]
195. [Water Quality, Fisheries -Resources, Reports], [1986 - 1992]
196. Proposed Fish Regulations, [1988 - 1991]
197. [Helicopter Flight Request - Electrofishing], [1991]
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