Harry Barnes papers

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Descriptive Summary

Title: Harry Barnes papers

Date (bulk): 1920-1960

Date (inclusive): 1872-1963

Collection Number: WRCA 025

Extent: 29 boxes 14 linear feet

Repository: Rivera Library. Special Collections Department.
Riverside, CA 92517-5900

Languages: English.

Provenance
Gift of Mrs. Lucille Barnes, 1963

Access
Collection is open for research.

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Preferred Citation
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Biography

J. W. Harry Barnes was born September 16, 1883 in London, England, the son of H. H. and E. M. Barnes. He came to California in 1894 and graduated from the University of California in 1906 with a B.S. degree from the College of Engineering. Prior to his graduation, he gained experience in field work in railroad location and land surveying. In July 1914, he married Lucille Lawrence in Alameda, California. They had three daughters: Ruth, Patricia, and Dorothy.

Employment History

May 1906-April 1909: Construction, etc., with Northern Electric Railway and Shattuck-Edinger Construction Co.

April 1909-April 1910: Engineer for Los Molinos Land Co.; construction work, canals and levees, etc.

May 1910-January 1913: Office of Irrigation Investigation, U.S. Department of Agriculture; field work, investigations of water supplies, use of water, etc., on projects in California. During this time, in the season of 1912, Barnes made a detailed investigation of use of water of the San Joaquin River from Friant to the mouth of the Tuolumne River. The results were published in: Irrigation Resources of California and Their Utilization, by Frank Adams. Washington: G.P.O., 1913 (Bulletin (Office of Experiment Stations, U.S. Dept. of Agriculture)); no. 254). (WRCA G200 Y-2 no. 254).

January 1914-January 1918: Engineer, Madera Canal & Irrigation Company. At the time, the Company irrigated 15,000 acres in the vicinity of Madera with water from the Fresno River. Barnes was in charge of operation and maintenance of the Company's canals. He made an inventory and appraisal of Company properties for rate-making purposes and made investigations into use of water, etc. for the proceedings before the California State Railroad Commission. He also collected data for the lawsuit with Miller & Luxon use of water on Fresno River (see 155 Cal.).

January 1918-September 1918: Again with the Office of Irrigation Investigation; made a study of use of Kings River water, water rights, and water right litigation, which was published as: Use of Water from Kings River, California, 1918, by Harry Barnes. Sacramento: California State Printing Office, 1920 (Bulletin (California Dept. of Engineering)); no. 7). (WRCA G400 XE2 no. 7).

October 1918-April 1919: Office of State Water Commission in San Francisco.


January 1920-December 1920: State Department of Engineering, located in Bakersfield; conducted a study on use of water of Kern River under S. T. Harding. Involved studies of groundwater, irrigation use, crops, irrigated areas, etc.

Madera Irrigation District
In December 1920, Barnes joined Madera Irrigation District as Engineer engaged in the investigations in connection with litigation with Miller & Lux over water rights on the San Joaquin River. These investigations included studies of the use of water by Miller & Lux, water requirements, water supply, seepage losses, land classification, alkali reclamation, silt investigation, groundwater, etc. Litigation continued until an armistice was signed by the litigants in September 1922.

As Chief Engineer, Barnes represented Madera Irrigation District in investigations and negotiations preliminary to the formation of the San Joaquin River Water Storage District in February 1924. This District comprised 555,000 acres, including Madera Irrigation District and lands of Miller & Lux and Stevinson along the San Joaquin River. Barnes then joined the San Joaquin River Water Storage District as Chief Engineer. During that time his work included creating an inventory of Miller & Lux's canal systems and other properties, surveys of additional canals, investigations of water supply, storage, groundwater, drainage, land classification, and water rights. He remained in that position until the District dissolved in March 1929 when parties could not agree as to terms of transfer of Miller & Lux properties. He then returned to Madera Irrigation District as Chief Engineer, as extensive litigation with Miller & Lux was revived, eventually resulting in the "Haines Decree," covering waters of the San Joaquin River.

He also was involved in investigations and negotiations with the California Water Project Authority, and later the U.S. Bureau of Reclamation, on all matters pertaining to the final inclusion of Madera Irrigation District in the Central Valley Project. After that, he was involved in negotiations with the Bureau on water requirements and water supply, and on the construction of a distribution system.

Barnes left Madera Irrigation District in November 1950 and began a private practice on consulting work. In the early 1950s, he was retained by the Water Protective League of Kings County as a consulting engineer. In this capacity Barnes was instrumental in bringing into being the Kings County Water District, which, for the first time, gave farmers of that area a public agency with which to work for the protection of underground water, importation of water, and for a program to conserve local supplies.

Harry Barnes died on November 23, 1962.

Biographical Sources:
"Experience & Qualifications," compiled by Barnes, ca. 1952 (see Folder 162).

Collection Scope and Contents
Correspondence, reports, subject files, news clippings, maps, and other papers, pertaining to: groundwater; surface water supply; water rights; litigation involving Miller & Lux and others; irrigation works; water costs; and, irrigation districts in the San Joaquin Valley, particularly San Joaquin River Water Storage District, Madera Irrigation District, and Madera Canal & Irrigation Company.


Library has unpublished subject and author indexes to individual items in collection.

Note: No folders numbered 25, 33, 86, 89, 101, 102, 113, 197, 198

Related Collections
See also the Bernard A. Etcheverry Papers and Sidney T. Harding Papers in the Water Resources Collections and Archives.

Collection Number
Collection number updated December 2018. Legacy collection number was BARNES. This change was part of a project in 2018/2019 to update the collection numbers for collections in the Water Resources Collections and Archives.

Indexing Terms
The following terms have been used to index the description of this collection in the library's online public access catalog.

Subjects
Madera Canal and Irrigation Company
San Joaquin River Water Storage District (Calif.)
Miller & Lux
Central Valley Project (Calif.)
Flood control -- California -- Calaveras River
Fresno River (Calif.) -- Water rights
Groundwater -- California -- San Joaquin Valley
Miscellaneous 1900-1963

Arrangement
Arranged by Barnes' filing. Includes some topics represented in later series.

Scope and Contents
Various subject files, individual articles, reports, memoranda, etc.

Box 1, folder 1
Hutchins, Wells A. The basis on which water rights are valued for rate-fixing purposes. October 28, 1916.

Physical Description: 9 Leaves
Scope and Contents
Letter report from Hutchins to Harry Barnes.

Box 1, folder 2
Haehl, H. L. Memorandum and suggestions - value of gravity water, Upper San Joaquin Valley. December 26, 1940.

Physical Description: 1 v

Box 1, folder 3
Colorado River Aqueduct tunnels 1935-1939

Physical Description: 1 folder
Scope and Contents
Miscellaneous articles on the building and lining of the tunnels.

Box 1, folder 4

Physical Description: 19 Leaves
Scope and Contents
Includes photographs.

Box 1, folder 5

Physical Description: 10 Leaves
Scope and Contents
Issued jointly by the U.S. Bureau of Reclamation and the Bureau of Plant Industry, Soils and Agricultural Engineering.

Box 1, folder 6

Physical Description: 22 p
Box 1, folder 7
Hartzog, W. E. Report on weed and brush control work on irrigation and drain channels by Imperial Irrigation District. 1946.

- Physical Description: 7 Leaves
- Scope and Contents
  Given by W.E. Hartzog, Imperial Irrigation District, before Irrigation Districts Association of California, at its Santa Barbara Convention, November 15, 1946.

Box 1, folder 8
Huberty, Martin R. Chemical composition of ground waters. 1941.

- Scope and Contents
  From Civil Engineering, v. 11, no. 8 (August 1941), p. 494-495.

Box 1, folder 9
Harmon, Burt. Contamination of ground-water resources: industrial wastes enter gravels following old river channels in Southern California coastal region. 1941.

- Scope and Contents
  From Civil Engineering, v. 11, no. 6 (June 1941), p. 345-347.

Box 1, folder 10
Beardslee, Clarence G. Salt water barrier at Cooke Santa Ynez Creek, Lompoc, California. 1942.

- Scope and Contents

Box 1, folder 11
Fox, H. K. Hydro-electric development involves unusual tunnel job: reconstruction of Kern River Plant require enlargement of 8,300 ft. of rock tunnel, location, topography, and ground give rise to special problems. 1922.

- Scope and Contents
  From Engineering News-Record, v. 89, no. 2 (July 13, 1922), p. 50-55.

Box 1, folder 12
Given, J. A. Railroad relocation and construction around Shasta Dam, parts 1 and 2. 1941.

- Scope and Contents
  From Civil Engineering, v. 11, no. 8 (August 1941), p. 461-464, and v. 11, no. 10 (October 1941), p. 597-600.

Box 1, folder 13
Barnes, Harry. Some figures on the cost of irrigation by pumping. 1933.

- Scope and Contents
  Preprint. From Farm Bureau Monthly, Madera County, February-April 1933.

Box 1, folder 14
Wing, Lesher S. Engine fixed and operating costs compared with those of motors for irrigation pumping. 1933.

- Scope and Contents
  From California Farm Bureau Monthly, February-March 1933.

Box 1, folder 15
Brown, J. B. Pumping irrigation water. 1924.

- Physical Description: 8 Leaves

Box 1, folder 16
Moses, B. D., and C. V. Givan. Factors affecting the cost of operating natural-gas and diesel-type engines for driving irrigation pumps. Berkeley: Agricultural Experiment Station, University of California, March 1933.

- Physical Description: 12 Leaves
Box 1, folder 17  American Society of Civil Engineers, Joint Committee on Bearing Value of Pile Foundations of the Waterways Division. Pile foundations and pile structures. New York: American Society of Civil Engineers, 1946. (Manuals of engineering practice; no. 27).
   Physical Description: 72 p

Box 1, folder 18  Boden, O. G., and Max R. Johnson. Contra Costa Canal pumping plants. 1941.
   Scope and Contents
   From Reclamation Era, June 1941, p. 182-184.

   Physical Description: 28 Leaves

   Physical Description: 28 p

Box 1, folder 19-3  Long, Roger B. Cost of pumping irrigation water in ten New Mexico counties. Agricultural Experiment Station, New Mexico State University, March 1965. (Bulletin; no. 490).
   Physical Description: 40 p

Box 1, folder 19-4  Buras, Nathan. Conjunctive operation of a surface reservoir and a ground water aquifer. 1963.
   Scope and Contents

   Physical Description: 40 p

Box 1, folder 20  Silt problems 1938-1942
   Physical Description: 1 folder
   Scope and Contents
   Miscellaneous journal articles.

Box 1, folder 21  Soil moisture and salinity 1940?
   Physical Description: 1 folder
   Scope and Contents
   Tables and graphs.

Box 1, folder 22  Problems of safety solved by a conservatively designed multi-layer lining for reservoir. 1950.
   Scope and Contents
| Box 1, folder 23 | **Etcheverry, B. A.** Progress report on water supply from Central Valley Project required for lands in Kern County. Kern County Water Committee, December 31, 1938.  
Physical Description: 32 p  
Scope and Contents  
Another copy: ETCH 14. |
| Box 1, folder 24 | **Water measurement 1920-1944**  
Physical Description: 2 folders  
Scope and Contents  
Miscellaneous journal articles, tables, graphs, and photographs. |
| Box 1, folder 26 | **Water supply and land classification 1920-1933**  
Physical Description: 1 folder  
Scope and Contents  
Correspondence and miscellaneous papers with the Federal Land Bank of Berkeley and others. |
| Box 1, folder 27 | **Fresno River 1940-1945**  
Physical Description: 1 folder  
Scope and Contents  
Graphs of discharge and channel profiles. |
| Box 1, folder 28 | **San Joaquin Light and Power Company 1933-1937**  
Physical Description: 1 folder  
Scope and Contents  
Correspondence and notes on power use and pumping plant. |
| Box 2, folder 29 | **North Kern Water Storage District 1950-1952**  
Physical Description: 1 folder  
Scope and Contents  
Correspondence, memoranda, maps, reports, etc. |
| Box 2, folder 30 | **Madera County 1955-1960**  
Physical Description: 1 folder  
Scope and Contents  
Correspondence with Glenn W. Black relating to property lines in certain sections, public land surveys, riparian uses, cadastral engineering, etc. |
| Box 2, folder 31 | **Calaveras River, California 1916-1953**  
Physical Description: 1 folder  
Scope and Contents  
Miscellaneous reports, correspondence, and maps relating to hydroelectric power and flood control. |
| Box 2, folder 32 | **Wiley, W. M.** The Central Valley water plan: why it will not solve the water problems of the San Joaquin Valley. 1935.  
Physical Description: 11 p |
<table>
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<tr>
<th>Box 2, folder 34</th>
<th><strong>Groundwater recharge by means of wells 1934-1941</strong></th>
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<td>Miscellaneous correspondence and letter reports.</td>
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<tr>
<th>Box 2, folder 35</th>
<th><strong>Ingerson, Irvin M. Ground water analysis of Madera ground water unit. Sacramento: California Division of Water Resources, October 14, 1952.</strong></th>
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<th>Box 2, folder 36</th>
<th><strong>Barnes, Harry. Report on underground water conditions in Madera area, California. June 1933.</strong></th>
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<th>Box 2, folder 37</th>
<th><strong>Thomas, Franklin. Value of water in southern California : a historical resume of the cost of its development for irrigation and domestic use. 1933.</strong></th>
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<td>From Civil Engineering, v. 3, no. 10 (October 1933), p. 555-559.</td>
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<thead>
<tr>
<th>Box 2, folder 38</th>
<th><strong>Bisschop, P. R. Report on the irrigation of the experimental alfalfa tract near Chowchilla during the summer of 1922. 1922?.</strong></th>
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<tr>
<th>Box 2, folder 39</th>
<th><strong>Barnes, Harry. Rate of use of water on swamp ground. November 1921.</strong></th>
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<th>Box 2, folder 40</th>
<th><strong>Memoranda to the State Engineer 1930</strong></th>
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<td></td>
<td>Barnes' memos regarding irrigation and irrigated lands, San Joaquin River above mouth of Merced River, March 31, 1930; demands of crop lands, May 7, 1930.</td>
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<tr>
<th>Box 2, folder 41</th>
<th><strong>Wiley, W. M. The water problem. 1934.</strong></th>
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<td>Concerns feasibility of gravity canal for Central Valley Project versus Bailey pumping plant.</td>
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<tr>
<th>Box 2, folder 42</th>
<th><strong>Barnes, Harry. Ground water replenishment, seepage from natural channels. April 10, 1935.</strong></th>
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<td>Concerns Madera County rivers and streams.</td>
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<tr>
<th>Box 3, folder 43</th>
<th><strong>Barnes, Harry. Report of Harry Barnes to Valuation Committee of Board of Directors of San Joaquin River Water Storage District, upon proposed plan and project for the San Joaquin River Water Storage District. August 25, 1926.</strong></th>
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<th>Box 3, folder 44</th>
<th><strong>Barnes, Harry. Report on Firebaugh Canal Company. August 16, 1933.</strong></th>
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<td>Scope and Contents</td>
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Box 3, folder 45  
**Barnes, Harry. Data relative to water requirements and possible costs of water to certain Madera County lands. January 27, 1932.**  
Physical Description: 9 Leaves  
Scope and Contents  
Compiled for the proposed State Water Plan.

Box 3, folder 46  
**Yosemite Forks Estates 1960-1961**  
Physical Description: 1 folder  
Scope and Contents  
Correspondence and notes with Ray Hackney on development of water supply for Yosemite Forks Estates, Madera County, California.

Box 3, folder 47  
Physical Description: 15 Leaves

Box 3, folder 48  
**Barnes, Harry. Location and description of sloughs, diversions and overflow channels taking out of the San Joaquin River, extending from the head of the Gravelly Ford Canal in township 13 south range 17 east, M.D.B. M. to Hills Ferry Bridge at the mouth of the Merced River in township 7 south range 9 east, M.D.B. M. September 1921.**  
Physical Description: 1 v

Box 3, folder 49  
**Herminghaus lands 1922-1924**  
Physical Description: 1 folder  
Scope and Contents  
Correspondence between Barnes and W. C. Maloy, Madera Irrigation District.

Box 3, folder 50  
**Millerton Lake 1952**  
Physical Description: 1 folder  
Scope and Contents  
Reports, graphs, maps, etc. relating to Millerton Lake water supply and releases.

Box 3, folder 51  
**Mendota Waterfowl Management Area 1955-1957**  
Physical Description: 1 folder  
Scope and Contents  
Correspondence, reports, maps, etc.

Box 3, folder 52  
**Coarsegold Creek 1954-1956**  
Physical Description: 1 folder  
Scope and Contents  
Letter reports, maps, and correspondence with Mason A. Bailey.

Box 3, folder 53  
**Kaweah River, California 1956**  
Physical Description: 1 folder  
Scope and Contents  
Correspondence, maps, etc. concerning possible reservoir and dam construction.
<table>
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<tr>
<th>Box 3, folder 54</th>
<th>Water supply at Riverside, California 1954-1955</th>
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<td>Correspondence, notes, reports relating to Enos and Mattos v. Harmon et al.</td>
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<th>Box 3, folder 55</th>
<th>Littlejohns Creek, California, . 1952-1953</th>
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<td>Maps, list of land sales, and appraisal report on rights of way for Littlejohns Creek channel improvement between Farmington and French Camp Slough to the Reclamation Board of the State of California.</td>
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<th>Box 3, folder 56</th>
<th>Kings River, California 1900-1950</th>
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<td>Allocation of Kings River water to Centerville Bottoms ditches for the period 1901-1950; monthly flow record at Centerville Bottoms, 1900-1950.</td>
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<th>Box 3, folder 57</th>
<th>Kings River Conservation District 1951</th>
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<td>Correspondence and notes for hearings regarding retaining the lands of W. H. Noble.</td>
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<th>Box 4, folder 58</th>
<th>Crescent Canal Company, Pine Flat Reservoir storage 1951-1954</th>
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<td>Correspondence, notes, data, maps, etc.</td>
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<th>Box 4, folder 59</th>
<th>Lovelace Estate 1950-1953</th>
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<td>Scope and Contents</td>
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<td>Correspondence, maps, data, reports, etc. regarding water use in relation to proposed Pine Flat Reservoir on the Kings River.</td>
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<tr>
<th>Box 4, folder 60</th>
<th>Merced stream group, California 1953-1959</th>
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<td>Scope and Contents</td>
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<td>Reports, maps, etc. regarding land sales and appraisals.</td>
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<th>Box 4, folder 61</th>
<th>Gray Lodge Waterfowl Management Area 1955-1957</th>
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<td>Physical Description: 4 folders</td>
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<td>Reports, correspondence, memoranda, meeting minutes, maps, etc.</td>
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<tr>
<th>Box 5, folder 62</th>
<th>Expulsion of B. F. Jakobsen and James H. Payne from the American Society of Civil Engineers 1936</th>
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<td>Physical Description: 1 folder (6 pieces)</td>
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<td>Scope and Contents</td>
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<td>Correspondence and mimeographed materials.</td>
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<td>Box 5, folder 63</td>
<td>Cache Creek Settling Basin 1957</td>
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<td>Correspondence, notes, maps, reports, etc.</td>
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<th>Box 5, folder 64</th>
<th>Bethel Island case 1955-1959</th>
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<td>Scope and Contents</td>
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<tr>
<td>Transcripts, maps, testimony, correspondence, etc. relating to Honegger vs. Reclamation District no. 1619.</td>
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<tr>
<th>Box 5, folder 65</th>
<th>Cuneo case on use of water in Owens Creek 1956</th>
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<td>Scope and Contents</td>
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<tr>
<td>Rights of Stephen Cuneo to appropriate water from Owens Creek in Merced County.</td>
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<tr>
<th>Box 5, folder 66</th>
<th>Biemond Dam 1958</th>
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<td>Scope and Contents</td>
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<tr>
<td>Reports, correspondences, notes, maps, etc.</td>
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<tr>
<th>Box 5, folder 67</th>
<th>Feather River Project and water rights 1957</th>
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<td>Letter report to Gordon H. Garland, California Water Development Council.</td>
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<td>Letter report to the Secretary of the Interior.</td>
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<tr>
<th>Box 5, folder 70</th>
<th>Irrigation in California 1915-1948</th>
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<td>Physical Description: 1 folder (18 pieces)</td>
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<td>Miscellaneous reports, correspondence, and notes.</td>
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</table>
Box 6, folder 71  Reports on water costs and rates 1935-1943
  Physical Description: 1 folder
  Scope and Contents
  Reports and memoranda on the Central Valley Project, Friant-Kern Canal, Kings River, Madera Irrigation District, etc.

Box 6, folder 72  Address of Edward F. Treadwell before the Rotary Club, Madera, California, June 1, 1922.
  Physical Description: 11 Leaves
  Scope and Contents
  Remarks made by the attorney for Miller & Lux relating to the San Joaquin River and Madera County. Includes Address of Sherwood Green before the Rotary Club, Madera, California, June 22, 1922 in reply to the address of Edward F. Treadwell ..

Box 6, folder 73  Jones, C. H. Conference with Mr. Harry Barnes, February 13, 1935, total per acre costs of water delivered to land in Madera Irrigation District, from local sources and Central Valley Project: memorandum to A. D. Edmonston. February 15, 1935.
  Physical Description: 6 Leaves

Box 6, folder 74  Archibald Project for wildlife conservation 1956-1959
  Physical Description: 1 folder (22 pieces)
  Scope and Contents
  Letter reports, notes, meeting minutes, correspondence, clippings, etc.

Box 6, folder 75  Railroad Commission of the State of California. In the matter of the application of the Madera Canal Irrigation Company, a public service corporation and a public utility, for an order establishing and raising the rates and charges for water sold, rented or distributed by said Company for irrigation, and to establish and alter the practice, classification, rules and regulations of said Company as to result in an increase of the existing rates and charges of said Company for such water. 1916?.
  Physical Description: 199 Leaves
  Scope and Contents
  Application no. 2381. Includes maps.

Box 6, folder 76  Kern Island Canal Company and others 1929-1931
  Physical Description: 2 folders (100 pieces)
  Scope and Contents
  Correspondence, notes, maps, etc

Barnes, Harry. Memorandum respecting water supply and use of water of Kern Island Canal Co. 1931?.
  Physical Description: 17 Leaves

  Physical Description: 29 Leaves

Kern Island Canal Company rules and regulations.
  Physical Description: 1 folder (5 pieces)
  Scope and Contents
  Includes proposed amendments to rules and regulations.
Tehachapi Cattle Company vs. Kern Island Canal Company 1929-1933

Physical Description: 1 folder
Scope and Contents
Includes documents submitted to the Railroad Commission of the State of California, maps, etc.

Barnes, Harry. Irrigation from canals diverting water from Kern River between first and second points of measurements. 1920.

Physical Description: 52 Leaves

Kern Island Canal 1925-1930?

Physical Description: 1 folder
Scope and Contents
Notes, data, reports, etc.

Box 7, folder 77
Gill case 1950-1952

Physical Description: 4 folders
Scope and Contents
Correspondence, testimony, memoranda, maps, etc. related to Gill, et al. vs. United States in re San Joaquin River.

Box 7, folder 78

Physical Description: 31 Leaves
Scope and Contents
Prepared for the State Engineer of California; includes comments on Harding's report by A. L. Trowbridge.

Box 7, folder 79
Dry Creek Reservoir, Fresno County, California 1946-1952

Physical Description: 3 folders
Scope and Contents
Notes, correspondence, legal documents, maps, plans, etc.

Box 7, folder 80
Sacramento River levee construction, Ord Bend to Sidd's Landing 1956-1958

Physical Description: 2 folders
Scope and Contents
Includes appraisal of levee rights of way, right bank of the Sacramento River, correspondence, maps, etc.

Box 8, folder 81
C. C. Clark Dam, Madera County, California 1954-1955

Physical Description: 1 folder
Scope and Contents
Correspondence, notes, map, etc.

Box 8, folder 82
Application of San Joaquin and Kings River Canal and Irrigation Company for increase of rates 1929

Physical Description: 1 folder
Scope and Contents
Notes on testimony by Harry Barnes before the Railroad Commission, March-December, 1929.
<table>
<thead>
<tr>
<th>Box 8, folder 83</th>
<th>San Joaquin River levee construction 1955-1957</th>
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<td>Correspondence, memoranda, reports, maps, etc.</td>
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<th>Box 8, folder 84</th>
<th>Statement of the Madera County Farm Bureau to the State Railroad Commission of California, in respect of the valuation of certain properties of the San Joaquin Light and Power Corporation in the City of Fresno September 1935</th>
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<td>Includes reporter's transcript of Barnes' testimony before the Railroad Commission of the State of California.</td>
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<th>Box 8, folder 85</th>
<th>Quaresma vs. Volpa, regarding a sand pit east of Hanford 1960</th>
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<th>Box 8, folder 87</th>
<th>Adobe ranch land purchased for Archibald (Madera) Lake 1955-1959</th>
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<th>Box 8, folder 88</th>
<th>Butte Creek channel improvement 1949-1957</th>
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<td>Scope and Contents</td>
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<td>Correspondence, notes, maps, etc.</td>
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<th>Box 8, folder 90</th>
<th>Reconstruction and maintenance of the Johnson-Carpenter Levee located east of the San Joaquin River near Crows Landing Bridge 1958</th>
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<td>Reports on applications and correspondence.</td>
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<th>Box 8, folder 91</th>
<th>San Joaquin River levees 1952-1959</th>
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<td>Correspondence with the Reclamation Board of the State of California, B.A. Etcheverry, Thomas H. Means, and others, photographs, etc.</td>
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<th>Box 8, folder 92</th>
<th>Fresno River flood control 1957-1962</th>
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<td>Report, memoranda, correspondence, and maps.</td>
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Box 9, folder 93  **Tule River flood control 1955-1961**  
Physical Description: 4 folders  
Scope and Contents  
Correspondence, notes, clippings, etc.

Box 9, folder 94  **Coarsegold Union High School 1960**  
Physical Description: 1 folder  
Scope and Contents  
Map and correspondence relating to water supply from a spring.

Box 9, folder 95  **Boundaries defined for maintenance areas of levees: American River, Sacramento River, and Feather River 1956-1958**  
Physical Description: 3 folders  
Scope and Contents  
Correspondence, notes and maps.

**Wolfsen Case 1955-1958**

Box 10, folder 96  **H. B. Wolfsen, et al. vs. the United States 1955-1958**  
Physical Description: 18 folders  
Scope and Contents  
Correspondence, transcripts, testimony, court documents, etc., regarding San Joaquin River water rights.

**Opinion 1958**  
Opinion and findings of fact of commissioner 1957  
Agreed statement of facts.  
Plaintiffs' proposed findings of fact.  
Plaintiffs' brief in support of proposed findings of fact.  
Value of Wolfsen Ranch 1955  
Testimony of B. A. Etcheverry.  
Testimony of Harry Barnes.  
Testimony of Gilbert F. Mellin.  
Barnes' file.  

Physical Description: 2 folders  
Scope and Contents  
Harry Barnes' notes, correspondence, etc.

**Correspondence 1955-1957**  
Physical Description: 2 folders

**Miscellaneous.**  
Scope and Contents  
Maps, graphs, etc.

Box 11  **Reporter's transcript, vol. 1 June 11, 1956**  
**Reporter's transcript, vol. 2 June 12, 1956**  
**Reporter's transcript, vol. 3 June 13, 1956**  
**Reporter's transcript, vol. 4 June 14, 1956**

**Kings River 1921-1962**
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<th>Box 11, folder 97</th>
<th><strong>Kings River, Pine Flat Reservoir 1921-1962</strong></th>
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<tr>
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<td>Scope and Contents</td>
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<tr>
<td></td>
<td>Correspondence, reports, minutes of Kings River Water Association, membership lists of Kings River Conservation District and Kings River Water Association, legal documents, etc.</td>
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<table>
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<th>Box 12, folder 98</th>
<th><strong>San Joaquin River Water Storage District 1911-1927</strong></th>
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<td><strong>San Joaquin River Water Storage District reports 1922-1923</strong></td>
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<td>Physical Description: 13 folders</td>
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<td>Scope and Contents</td>
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<td></td>
<td>Typescript reports and memoranda written by Harry Barnes on various aspects of the proposed district.</td>
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  Physical Description: 15 Leaves

  Physical Description: 15 Leaves

- Barnes, Harry. Revised figures of North Fork and residual areas of San Joaquin River. February 1923.  
  Physical Description: 30 Leaves

- Barnes, Harry. Water requirements of proposed San Joaquin River Water Storage District. February 1923.  
  Physical Description: 11 Leaves

- Barnes, Harry. Water requirements of lands other than those included within proposed San Joaquin River Water Storage District, but adjacent to or dependent upon the San Joaquin River. March 1923.  
  Physical Description: 22 Leaves

  Physical Description: 21 Leaves

  Physical Description: 40 Leaves  
  Scope and Contents  
  Includes addendum to report, April 1923.

- Barnes, Harry. Water supply of Fresno Slough, tributary to San Joaquin River. February 1923.  
  Physical Description: 30 Leaves

  Physical Description: 5 Leaves

  Physical Description: 50 Leaves
Barnes, Harry. Memorandum on allocation of water to lands of the proposed San Joaquin River Water Storage District and estimates of relative costs based thereon. April 1923.
   Physical Description: 40 Leaves

Barnes, Harry. Comparison of schedules of service of Madera Reservoir with partial and full development. May 1923.
   Physical Description: 13 Leaves

Barnes, Harry. Memorandum upon exclusion of grass and hardpan lands from proposed San Joaquin River Water Storage District. June 1923.
   Physical Description: 40 Leaves

Box 12, folder 99

   Physical Description: 38 Leaves
   Scope and Contents
   Includes Addendum to report of January 1923, on underground water supply available to proposed San Joaquin River Water Storage District, 1923.

Box 12, folder 100

Summaries of Miller Luxdiversions 1927
   Physical Description: 1 folder
   Scope and Contents
   Derived from Miller & Luxrecords; in acre feet per month. Includes Lone Willow Slough and Brown Slough; San Joaquin & Kings River Canal & Irrigation Co.; San Luis Canal Co.; Aliso Canal; and Columbia Canal.

Box 12, folder 103

Hammatt water right reports 1924-1926
   Physical Description: 24 folders
   Scope and Contents
   Reports by W. C. Hammatt, consulting engineer, San Francisco, Calif., related to water rights of the San Joaquin River Water Storage District. Note: No reports numbered 12 or 15.

Hammatt, W. C. Report ... on facts pertaining to water rights and diversions by the San Luis Canal Company. October 1924.
   Physical Description: 15 Leaves
   Scope and Contents
   Report no. 1. File includes index to all reports.

Hammatt, W. C. Report ... on facts pertaining to water rights and diversions by the San Joaquin Kings River Canal Irrigation Co. October 1924.
   Physical Description: 22 Leaves
   Scope and Contents
   Report no. 2.

Hammatt, W. C. Report ... on facts pertaining to water rights and diversions of Miller Lux Incorporated; Lone Willow Slough, Brown Slough, Columbia Canal, and Chowchilla Canal. October 1924.
   Physical Description: 40 Leaves
   Scope and Contents
   Report no. 3.
Hammatt, W. C. Report ... on facts pertaining to water rights and diversions of Miller Lux Incorporated: Aliso Canal. November 1924.
Physical Description: 13 Leaves
Scope and Contents
Report no. 4.

Hammatt, W. C. Report ... on facts pertaining to water rights and diversions of Miller Lux Incorporated: Gravelly Ford Canal. November 1924.
Physical Description: 11 Leaves
Scope and Contents
Report no. 5.

Physical Description: 40 Leaves
Scope and Contents
Report no. 6.

Hammatt, W. C. Storage study of Millerton Reservoir. February 1925.
Physical Description: 17 Leaves
Scope and Contents
Report no. 7.

Hammatt, W. C. Yield of Madera Canal and Irrigation Company's water right on Fresno River. February 1925.
Physical Description: 4 Leaves
Scope and Contents
Report no. 8.

Physical Description: 30 Leaves
Scope and Contents
Report no. 9.

Hammatt, W. C. Riparian land damage to Miller Lux. April 1925.
Physical Description: 2 Leaves
Scope and Contents
Report no. 10.

Hammatt, W. C. Revised report on yield from water rights on San Joaquin River. April 1925.
Physical Description: 14 Leaves
Scope and Contents
Report no. 11. Revision of report no. 6.

Hammatt, W. C. Revised storage study for Millerton Reservoir, San Joaquin River Water Storage District. May 1925.
Physical Description: 12 Leaves
Scope and Contents
  Physical Description: 16 Leaves
  Scope and Contents

Hammatt, W. C. Memorandum regarding influence of power storage releases on prescriptive water rights of Miller Lux. June 1925.
  Physical Description: 10 Leaves
  Scope and Contents
  Report no. 16.

Hammatt, W. C. Second revision of report on yield from water rights on San Joaquin River. August 1925.
  Physical Description: 40 Leaves
  Scope and Contents
  Report no. 17. Revision of report no. 11.

  Physical Description: 8 Leaves
  Scope and Contents
  Report no. 18.

Hammatt, W. C. Preliminary set-up for service to lands in San Joaquin River Water Storage District according to schedule of service adopted by Board of Directors. September 1925.
  Physical Description: 35 Leaves
  Scope and Contents
  Report no. 19.

Hammatt, W. C. Service to segregated areas in San Joaquin River Water Storage District. October 1925.
  Physical Description: 10 Leaves
  Scope and Contents
  Report no. 20.

Hammatt, W. C. Memorandum regarding deferred utilization by San Joaquin River Water Storage District. October 1925.
  Physical Description: 11 Leaves
  Scope and Contents
  Report no. 21.

Letter to Milton T. Farmerre yield of water rights November 12, 1925
  Physical Description: 7 Leaves
  Scope and Contents
  Report no. 22.

  Physical Description: 9 Leaves
  Scope and Contents
  Report no. 23.
Physical Description: 10 Leaves
Scope and Contents
Report no. 24.

Letter to Harry Barnes re storage and releases of power companies April 14, 1926
Physical Description: 5 Leaves
Scope and Contents
Report no. 25.

Physical Description: 27 Leaves
Scope and Contents

Digest of various contracts existing between Miller Lux and its subsidiaries and the San Joaquin Kings River Canal Irrigation Company, and third parties, and among themselves 1927
Physical Description: 73 Leaves
Scope and Contents
Compiled by J. E. Woolley. Also includes a list of suits in which judgments have been entered and a list of pending actions that in any way affect the water rights of Miller & Lux.

Box 12, folder 105
Physical Description: 37 Leaves
Scope and Contents
Letter report to Miller & Lux Inc., directors of Madera Irrigation District, and committee representing proposed West Side Water Storage District.

Box 12, folder 106
San Joaquin River Water Storage District reports 1924-1925
Physical Description: 8 folders

Report of Board of Directors of San Joaquin River Water Storage District ... upon proposed plans of development of San Joaquin River Water Storage District. 1925?.
Physical Description: 8 Leaves
Scope and Contents
Letter report to W. F. McClure, State Engineer.

Hammatt, W. C. Water rights on the San Joaquin River with priorities thereof and yields therefrom. May 1925.
Physical Description: 25 Leaves
Scope and Contents
Includes tables of yield of water rights, 1911-1915.
Hammatt, W. C. Irrigation service to district lands of San Joaquin River Water Storage District. May 1925.
   Physical Description: 25 Leaves
   Scope and Contents
   Includes tables of irrigation demand, storage required (Millerton Reservoir), and power output.

Kempkey, Augustus. Appraisals as to value of physical properties water rights to be acquired by purchase by the San Joaquin River Water Storage District as per the district’s plan. 1925.
   Physical Description: 40 Leaves
   Scope and Contents
   Includes maps.

Barnes, Harry. Report ... on cost of construction of irrigation and drainage works for service of lands included in the project of the San Joaquin River Water Storage District, excluding costs of storage and power development and the cost of existing properties to be acquired. May 1925.
   Physical Description: 8 Leaves

   Physical Description: 56 Leaves
   Scope and Contents
   Includes summary of data of Wiley's report by Harry Barnes, December 1924.

Hammatt, W. C. Design of dam, estimates of cost of dam and income from power. May 1925.
   Physical Description: 12 Leaves
   Scope and Contents
   Includes summary of estimated costs, summaries of appraisals, and Board of Directors' resolution.

Maps 1925
   Physical Description: 1 folder (4 maps)
   Scope and Contents
   Related to water rights of San Joaquin River Water Storage District.

Barnes, Harry. Plan and project of San Joaquin River Water Storage District, as outlined for submission to the State Engineer, under authority of resolution # of the Board of Directors of said District panel and in accordance with Section 17 of the Water Storage District Act. 1928.
   Physical Description: 1 v., bound
   Scope and Contents
   Rough draft; typescript with holograph annotations.

Correspondence concerning San Joaquin River Water Storage District’s water rights 1924-1928
   Physical Description: 1 v., bound

   Physical Description: 42 Leaves
Memorandum for discussion of methods of valuing water rights by Board of Review 1926

Physical Description: 15 Leaves

Box 14, folder 108

San Joaquin River Water Storage District reports 1924-1925

Physical Description: 11 folders
Scope and Contents
Duplicates of the reports in Folder 106; includes: Report of Harry Barnes on cost of irrigation, drainage, and flood control works of San Joaquin River Water Storage District, January 16, 1925.

Box 14, folder 109


Physical Description: 45 Leaves
Scope and Contents
Includes maps.

Box 14, folder 110


Physical Description: 19 Leaves

Box 14, folder 111

Barnes, Harry. Water requirements of proposed San Joaquin River Water Storage District. February 1923.

Physical Description: 12 Leaves

Box 14, folder 112

Barnes, Harry. Memorandum on allocation of water to lands of the proposed San Joaquin Water Storage District and estimate of relative costs based thereon. April 1923.

Physical Description: 40 Leaves

Box 14, folder 114

Cowell, A. L. The law and the facts relating to the proposed water storage district in the San Joaquin Valley: including lands under the San Joaquin and Kings River Canal and Irrigation Company, the San Luis Canal Company, the Gravelly Ford Canal Company, the Firebaugh Canal Company and riparian lands, with an analysis of the California Water Storage Act. Los Banos: Enterprise Print, 192-?.

Physical Description: 15 Leaves
Scope and Contents
Prepared for the Executive Committee of the San Joaquin River Water Storage District.

Box 15, folder 115

San Joaquin River Water Storage District 1912-1929

Physical Description: 8 folders
Scope and Contents
Miscellaneous correspondence, notes, memoranda, agreements, and maps. Includes materials related to East Side Canal & Irrigation Company.

Madera Irrigation District 1872-1960
| Box 16-17, folder 116 | **Madera Irrigation District: director’s data 1934-1950**  
Physical Description: 22 folders  
Scope and Contents  
Correspondence, memoranda, data, contracts, etc. related to Madera Irrigation District, Madera Canal, water supply of Madera County, etc. Compiled by Harry Barnes from his personal files. Arranged chronologically (Box 16: 1934-1944; Box 17: 1945-1950). |
| Box 18, folder 117 | **Railroad Commission of the State of California. In the matter of the application of Madera Canal and Irrigation Company for an order authorizing increases in rates charged for water sold for irrigation: application no. 2381: decided July 23, 1917.**  
Physical Description: 18 p  
Scope and Contents  
Decision no. 4478. |
| Box 18, folder 118 | **Railroad Commission of the State of California. In the matter of the application of Madera Canal Irrigation Company for an order establishing and raising rates and charges for water sold, rented or distributed by said company for irrigation, and to establish and alter the practice, classification, rules and regulations so as to result in an increase of the existing rates and charges of said company for such water. San Francisco, 1917.**  
Physical Description: 295 Leaves  
Scope and Contents  
| Box 18, folder 119 | **Statement of Board of Directors of Madera Irrigation District. Madera, Calif.: The Madera News, May 4, 1944.**  
Physical Description: 11 p  
Scope and Contents  
Regarding the availability of Central Valley Project water to Madera Irrigation District. |
| Box 18, folder 120 | **Memoranda of Madera Irrigation District to U.S. Bureau of Reclamation 1941-1946**  
Physical Description: 3 folders  
Scope and Contents  
Concerning the possible uses of Central Valley Project water by the district, water requirements of the district, and supplemental water supply of the district. |
| Box 18, folder 121-1 | **California Division of Water Resources. Report on capacity of Madera Canal. Sacramento: Water Project Authority of the State of California, Central Valley Project, August 1936.**  
Physical Description: 51 Leaves |
| Box 18, folder 121-2 | **Capacity of Madera Canal 1936**  
Physical Description: 1 folder  
Scope and Contents  
Memoranda by Harry Barnes and S. T. Harding to Walker R. Young, U.S. Bureau of Reclamation and Edward Hyatt, California Water Project Authority, graphs, etc. |
| Box 18, folder 122 | **Data submitted by Madera Irrigation District to Commissioner of Reclamation on proposed sale of district properties 1937**  
Physical Description: 1 folder  
Scope and Contents  
Correspondence, "exhibits," etc. |
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<td>Letter report to Madera Irrigation District regarding possible dam and reservoir sites, and water supply available from the San Joaquin, Fresno, and Chowchilla Rivers.</td>
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<th>Box 18, folder 124</th>
<th>San Joaquin Kings River Canal Irrigation Co., Inc. vs. Madera Irrigation District 1931</th>
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<td>Includes: Abstract of testimony by Harry Barnes and notes on the transcript of case.</td>
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<th>Box 19, folder 125-1</th>
<th>U.S. Bureau of Reclamation, Region II, Central Valley Project, Lower San Joaquin District. Preliminary design and cost estimate, lateral distribution system for Madera Irrigation District. Madera, Calif., 1948.</th>
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<tr>
<th>Box 19, folder 127</th>
<th>Security Title Insurance and Guarantee Company. Water rights, water right contracts, rights of way and real property of the Madera Canal and Irrigation Company. December 1948.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Physical Description: 26 Leaves</td>
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<tr>
<td></td>
<td>Scope and Contents</td>
</tr>
<tr>
<td></td>
<td>Letter report to Harry Barnes, Madera Irrigation District.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 19, folder 128</th>
<th>University of California, Division of Soils. Soils of Madera Irrigation District, Madera County, California. October 1948.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Physical Description: 28 Leaves</td>
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<table>
<thead>
<tr>
<th>Box 19, folder 129</th>
<th>Holdings in Madera Irrigation District in excess of 160 acres, as per assessment rolls of the district, as of March, 1950</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Physical Description: 22 Leaves</td>
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<table>
<thead>
<tr>
<th>Box 19, folder 130</th>
<th>Application of Madera Irrigation District for a preliminary permit for the development of electric power on the San Joaquin River near Friant, California. 1929.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Physical Description: 28 Leaves</td>
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<tr>
<td></td>
<td>Scope and Contents</td>
</tr>
<tr>
<td></td>
<td>Includes map.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
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<tbody>
<tr>
<td></td>
<td>Physical Description: 27 Leaves</td>
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<tr>
<td></td>
<td>Scope and Contents</td>
</tr>
<tr>
<td></td>
<td>Includes introduction by Frank Adams.</td>
</tr>
</tbody>
</table>
Box 19, folder 132  
Physical Description: 10 Leaves  
Scope and Contents  
Report on the status of the district from its inception to the present time.

Box 19, folder 133  
Physical Description: 34 Leaves

Box 19, folder 134  
Madera Irrigation District letter reports 1922-1928  
Physical Description: 1 folder  
Scope and Contents  
Reports and correspondence to Board of Directors of Madera Irrigation District, compiled by B. A. Etcheverry.

Box 19, folder 135  
Barnes, Harry. Comments on topics referred to in the notice of the Madera Tax Payers Association, calling a mass meeting. October 30, 1931.  
Physical Description: 13 Leaves  
Scope and Contents  
Files includes a copy of the notice calling for the meeting to ask the Attorney General of California to dissolve the Madera Irrigation District.

Box 19, folder 136  
Before the Board of Directors of the Madera Irrigation District : in the matter of the petition of owners in a tract or tracts of land as hereinafter definitely described; for the inclusion of said tract or tracts of land in the Madera Irrigation District. August 1949.  
Physical Description: 4 Leaves

Box 19, folder 137  
Barnes, Harry. Memorandum on ground water replenishment in Madera Irrigation District in 1944 through utilization of natural stream channels. May 1945.  
Physical Description: 13 Leaves  
Scope and Contents  
Includes maps.

Box 19, folder 138  
U.S. Bureau of Reclamation. Memorandum for engineer -- studies and investigations. 1941?.  
Physical Description: 25 Leaves  
Scope and Contents  
Regarding water requirements for the area considered for service by the Madera Canal.

Box 19, folder 139  
Barnes, Harry. Effect of use of interim water of Central Valley Project by Madera Irrigation District, and value of such water, based on saving in cost of electric power used by pumping plants in the district. 1943?.  
Physical Description: 13 Leaves

Box 19, folder 140  
Statement of Madera Irrigation District submitted to the sub-committee of U. S. Senate Irrigation and Reclamation Committee, July 27, 1944, at a hearing held at Fresno, California, relative to the applicability of the excess land provisions of the reclamation law to the Central Valley Project. 1944.  
Physical Description: 9 Leaves
| Box 20-21, folder 141 | **Madera Irrigation District 1872-1960**  
Physical Description: 12 folders  
Scope and Contents  
Correspondence, memoranda, data, reports, newspaper clippings, maps, photographs, etc. related to Madera Irrigation District, Madera Canal, water supply of Madera County, Sacramento River water rights, etc. |
| --- | --- |
| Box 22, folder 142 | **Madera Canal Irrigation Company 1905-1949**  
**Hargrove, R. L. Statement of prescriptive title of water rights of Madera Canal Irrigation Company. 1917.**  
Physical Description: 4 Leaves  
Scope and Contents  
Submitted to the Railroad Commission as Petitioner’s Exhibit #36, Application #2381. |
| Box 22, folder 143 | **Barnes, Harry. Memo on discussion with Mr. C. J. Emmert, relative to Madera Canal Irrigation Co. October 26, 1943.**  
Physical Description: 6 Leaves |
| Box 22, folder 144 | **Annual reports of Madera Canal Irrigation Company to the Railroad Commission of California 1939-1945**  
Physical Description: 2 v |
| Box 22, folder 145 | **Barnes, Harry. Report on the offer of the Madera Canal Irrigation Company to sell its properties to the Madera Irrigation District. January 4, 1944.**  
Physical Description: 15 Leaves  
Scope and Contents  
Letter report to the Board of Directors, Madera Irrigation District. |
| Box 22, folder 146 | **Agreement between Madera Canal Irrigation Company and G. W. Mordecai regarding water rights of Cottonwood Creek September 30, 1905**  
Physical Description: 6 Leaves |
| Box 22, folder 147 | **Barnes, Harry. Concerning Madera Canal Irrigation Company. January 1922.**  
Physical Description: 12 Leaves |
| Box 22, folder 148 | **Loucks, G. R. Madera Canal and Irrigation Company, a public utility. February 18, 1935.**  
Physical Description: 13 Leaves  
Scope and Contents  
Memorandum to G. H. Russell, Senior Engineer Appraiser. File includes notes on Madera Canal & Irrigation Company by Harry Barnes, January 25, 1925. |
| Box 22, folder 149 | **Petition to the Railroad Commission of California to authorize Madera Canal Irrigation Company to transfer its property to the San Joaquin River Water Storage District 1925-1928**  
Physical Description: 1 folder  
Scope and Contents  
Correspondence, legal documents, exhibits, notes, maps, etc. |
<table>
<thead>
<tr>
<th>Box 22, folder 150</th>
<th><strong>Madera Canal Irrigation Company 1927-1946</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Physical Description: 1 folder</td>
</tr>
<tr>
<td></td>
<td>Scope and Contents</td>
</tr>
<tr>
<td></td>
<td>Compiled by Harry Barnes for Madera Irrigation</td>
</tr>
<tr>
<td></td>
<td>District Board of Directors. Includes</td>
</tr>
<tr>
<td></td>
<td>correspondence, memoranda, maps, etc.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 22, folder 151</th>
<th><strong>Possible purchase of Madera Canal Irrigation Company properties by Madera Irrigation District 1943-1949</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Physical Description: 1 folder</td>
</tr>
<tr>
<td></td>
<td>Scope and Contents</td>
</tr>
<tr>
<td></td>
<td>Correspondence, notes, data, memoranda, etc.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 22, folder 152</th>
<th><strong>Madera Canal Irrigation Company 1920-1940</strong></th>
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<tbody>
<tr>
<td></td>
<td>Physical Description: 2 folders</td>
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<tr>
<td></td>
<td>Scope and Contents</td>
</tr>
<tr>
<td></td>
<td>Manuscript computations, reports, correspondence, maps, etc.</td>
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<table>
<thead>
<tr>
<th>Box 22, folder 153</th>
<th><strong>Set up of Miller Lux rights as understood by Barnes from discussion with Mott December 26, 1928</strong></th>
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<tbody>
<tr>
<td></td>
<td>Physical Description: 1 folder</td>
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<td></td>
<td>Scope and Contents</td>
</tr>
<tr>
<td></td>
<td>Includes flow schedules, notes, correspondence, etc.</td>
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</table>

<table>
<thead>
<tr>
<th>Box 23, folder 154</th>
<th><strong>Chowchilla right, Blythe Canal 1872-1938</strong></th>
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<tbody>
<tr>
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<td>Physical Description: 1 folder</td>
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<tr>
<td></td>
<td>Scope and Contents</td>
</tr>
<tr>
<td></td>
<td>Agreements between San Joaquin &amp; Kings River</td>
</tr>
<tr>
<td></td>
<td>Canal &amp; Irrigation Company, California Pastoral</td>
</tr>
<tr>
<td></td>
<td>&amp; Agricultural Company, and Miller &amp; Lux for</td>
</tr>
<tr>
<td></td>
<td>the construction of a canal to take water from</td>
</tr>
<tr>
<td></td>
<td>the San Joaquin River, memoranda, maps, data,</td>
</tr>
<tr>
<td></td>
<td>etc.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 23, folder 155</th>
<th><strong>Chowchilla lands 1922-1928</strong></th>
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<tbody>
<tr>
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<td>Physical Description: 1 folder</td>
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<tr>
<td></td>
<td>Scope and Contents</td>
</tr>
<tr>
<td></td>
<td>Memorandum re Chowchilla Ranch,</td>
</tr>
<tr>
<td></td>
<td>list of Chowchilla lands,</td>
</tr>
<tr>
<td></td>
<td>memorandum for weir at Temple</td>
</tr>
<tr>
<td></td>
<td>Slough, correspondence, notes,</td>
</tr>
<tr>
<td></td>
<td>data, maps, etc.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 23, folder 156</th>
<th><strong>Flow schedule data, San Joaquin River Water Storage District 1910-1928</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Physical Description: 1 folder</td>
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<tr>
<td></td>
<td>Scope and Contents</td>
</tr>
<tr>
<td></td>
<td>Data pertaining to &quot;certain rights to water of the San Joaquin River</td>
</tr>
<tr>
<td></td>
<td>above the mouth of the Merced River,&quot; compiled by Harry Barnes.</td>
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<table>
<thead>
<tr>
<th>Box 23, folder 157</th>
<th><strong>Hydrograph of mean daily flow, natural runoff of San Joaquin River above Friant Dam and Millerton Lake inflow 1910-1948</strong></th>
</tr>
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<tbody>
<tr>
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<td>Physical Description: 1 folder</td>
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</table>

<table>
<thead>
<tr>
<th>Box 23, folder 158</th>
<th><strong>Barnes, Harry. Estimate of discharge of San Joaquin River disregarding effect of future power development. October 1922.</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Physical Description: 11 Leaves</td>
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<table>
<thead>
<tr>
<th>Box 23, folder 159</th>
<th><strong>Barnes, Harry. Report on run off of Fresno River. December 1922.</strong></th>
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<tbody>
<tr>
<td></td>
<td>Physical Description: 24 Leaves</td>
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<tr>
<td>Box 23, folder 160</td>
<td>Barnes, Harry. Water supply of Fresno Slough, tributary to San Joaquin River. February 5, 1923.</td>
</tr>
<tr>
<td>-------------------</td>
<td>-----------------------------------------------------------------------------------------------</td>
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<table>
<thead>
<tr>
<th>Box 23, folder 161</th>
<th>Barnes, Harry. Revised figures on run-off, North Fork and residual areas of San Joaquin River. February 21, 1923.</th>
</tr>
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<tbody>
<tr>
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<td>Physical Description: 15 Leaves</td>
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## Rank vs. Krug 1921-1952

<table>
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<tr>
<th>Box 24, folder 162</th>
<th>Rank vs. Krug 1921-1952</th>
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<td>Physical Description: 14 folders</td>
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Scope and Contents


## Miller Lux 1872-1949

<table>
<thead>
<tr>
<th>Box 25, folder 163</th>
<th>Haehl, H. L. Report to San Joaquin River Water Storage District and Miller Lux, Incorporated on damage to riparian lands of Miller Lux, Inc. (outside district and in ‘deferred’ district area), April 13, 1928.</th>
</tr>
</thead>
<tbody>
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<tbody>
<tr>
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<td>Physical Description: 11 Leaves</td>
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</table>

Scope and Contents

- Letter report to Edward Hyatt, Water Project Authority of California. File includes memorandum from the Committee to J. B. Lippincott, and his reply.

<table>
<thead>
<tr>
<th>Box 25, folder 165</th>
<th>Woolley, J. E. Memorandum of litigation affecting the water rights of Miller Lux, Incorporated and the San Joaquin Kings River Canal Irrigation Company, Incorporated, April 20, 1927.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Physical Description: 19 Leaves</td>
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Scope and Contents

- File includes a petition for application of the San Joaquin & Kings River Canal & Irrigation Company to the Railroad Commission for an order authorizing it to enter into a contract with Miller & Lux, Firebaugh Canal Company, San Luis Canal Company, and Columbia Canal Company for diversion of San Joaquin River water.

<table>
<thead>
<tr>
<th>Box 25, folder 166</th>
<th>Miller Lux vs. Madera Irrigation District 1931</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Physical Description: 7 folders</td>
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Scope and Contents

- Decision of California Superior Court (Fresno County), including schedules, conclusions of law, and Judge Charles G. Haines' opinion.
<table>
<thead>
<tr>
<th>Box 26, folder 167</th>
<th><strong>Miller Lux vs. Madera Irrigation District 1928-1931</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Physical Description: 5 folders</td>
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<tr>
<td></td>
<td><strong>Scope and Contents</strong></td>
</tr>
<tr>
<td></td>
<td>Synopsis of the complaint by Harry Barnes, abstract of testimony, December 3, 1930-January 22, 1931, exhibits and data on water diversions, memoranda, correspondence, etc.</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Box 26, folder 168</th>
<th><strong>Miller Lux vs. Madera Irrigation District 1872-1949</strong></th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Physical Description: 4 folders</td>
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<tr>
<td></td>
<td><strong>Scope and Contents</strong></td>
</tr>
<tr>
<td></td>
<td>Miller &amp; Lux agreements, correspondence, maps, notes, news clippings, etc.</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Box 26, folder 169</th>
<th><strong>Miller Lux 1906-1933</strong></th>
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<tr>
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<td></td>
<td><strong>Scope and Contents</strong></td>
</tr>
<tr>
<td></td>
<td>Agreements, power company contracts, indentures, maps, etc.</td>
</tr>
</tbody>
</table>

**Irrigation Districts and Subject Files 1902-1960**

**Scope and Contents**

Miscellaneous files on various individual California irrigation districts, water rights cases, and other topics related to Barnes' career.

<table>
<thead>
<tr>
<th>Box 27, folder 170</th>
<th><strong>Turlock Irrigation District 1929-1931</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Physical Description: 1 folder</td>
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<tr>
<td></td>
<td><strong>Scope and Contents</strong></td>
</tr>
<tr>
<td></td>
<td>Report on consumptive use for the year 1929 by R. V. Meikle, Chief Engineer of the District, correspondence between Meikle and Harry Barnes, notes, etc.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 27, folder 171</th>
<th><strong>Orange Cove Irrigation District 1948</strong></th>
</tr>
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<tbody>
<tr>
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<td>Physical Description: 1 folder</td>
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<tr>
<td></td>
<td><strong>Scope and Contents</strong></td>
</tr>
<tr>
<td></td>
<td>Answer to objections to the petition of the District to the California Irrigation District Securities Commission to approve contract with the United States for purchase of water supply.</td>
</tr>
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<table>
<thead>
<tr>
<th>Box 27, folder 172</th>
<th><strong>Turlock Irrigation District 1947</strong></th>
</tr>
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<tbody>
<tr>
<td></td>
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<tr>
<td></td>
<td><strong>Scope and Contents</strong></td>
</tr>
<tr>
<td></td>
<td>File of materials related to a petition for the creation of an improvement district, known as Crow-Grubb Ditch.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Box 27, folder 173</th>
<th><strong>Oakdale Irrigation District 1938</strong></th>
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<tbody>
<tr>
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<td>Physical Description: 1 folder</td>
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<tr>
<td></td>
<td><strong>Scope and Contents</strong></td>
</tr>
<tr>
<td></td>
<td>Notes by Harry Barnes regarding cultivation of ladino clover at Oakdale.</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Box 27, folder 174</th>
<th><strong>Nevada Irrigation District 1925-1927</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Physical Description: 1 folder</td>
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<tr>
<td></td>
<td><strong>Scope and Contents</strong></td>
</tr>
<tr>
<td></td>
<td>Contractors' bids for Mountain Division.</td>
</tr>
</tbody>
</table>
Box 27, folder 175  **Fresno Irrigation District 1930-1954**
Physical Description: 1 folder  
Scope and Contents  
Data on rainfall, groundwater levels, diversions, etc.

Box 27, folder 176  **West Stanislaus Irrigation District 1928**
Physical Description: 2 folders  
Scope and Contents  
Contracts, specifications, proposals, blueprints, etc.

Box 27, folder 177  **Madera Irrigation District 1930**
Physical Description: 1 folder  
Scope and Contents  
Statement by Harry Barnes on the history, activities, and position of Madera Irrigation District.

Box 27, folder 178  **Mendota Irrigation District**
Physical Description: 1 folder  
Scope and Contents  
Review of a portion of the report by Teilman and Grunsky that pertains to the supply of electric power.

Box 27, folder 179  **Gerlach Livestock Company vs. the United States 1947-1950**
Physical Description: 1 folder  
Scope and Contents  
Testimony of B. A. Etcheverry, and writs of certiorari to the U.S. Court of Claims. Case pertains to deprivation of riparian rights along the San Joaquin River caused by construction of Friant Dam.

Box 27, folder 180  **Merced Irrigation District 1924**
Physical Description: 1 folder  
Scope and Contents  
Address by Col. F. Emerson Hoar regarding problems confronting the District.

Box 27, folder 181  **Madera Irrigation District 1920**
Physical Description: 1 folder  
Scope and Contents  
Letter report to the Board of Engineers by Thomas H. Means and Louis C. Hill on the feasibility of proposed irrigation system.

Box 28, folder 182  **San Bernardino County Supplemental Water Association 1957**
Physical Description: 1 folder  
Scope and Contents  
Correspondence and memoranda by Ted Silverwood.

Box 28, folder 183  **Turlock Irrigation District and Modesto Irrigation District 1918-1925**
Physical Description: 1 folder  
Scope and Contents  
Estimate of cost of Don Pedro Dam and Reservoir, rainfall and evaporation record, duty of water, etc.
| Box 28, folder 184 | **Windy Gap Dam and Reservoir.**  
|                  | Physical Description: 1 folder  
|                  | Scope and Contents  
|                  | Estimate of costs, power diversion, etc. |
| Box 28, folder 185 | **Merced Irrigation District 1921**  
|                  | Physical Description: 1 folder  
|                  | Scope and Contents  
|                  | Comparison of cost of intermediate development. |
| Box 28, folder 186 | **Little Dry Creek 1920**  
|                  | Physical Description: 1 folder  
|                  | Scope and Contents  
|                  | Estimate of cost of distribution system. |
| Box 28, folder 187 | **San Joaquin River Water Storage District 1923-1934**  
|                  | Physical Description: 1 folder  
|                  | Scope and Contents  
|                  | Miscellaneous correspondence. |
| Box 28, folder 188 | **Gordon Valley Project 1926**  
|                  | Physical Description: 1 folder  
|                  | Scope and Contents  
|                  | Related to water supply for the city of Vallejo, California. |
| Box 28, folder 189 | **Madera Canal 1934-1958**  
|                  | Physical Description: 1 folder  
|                  | Scope and Contents  
|                  | Miscellaneous correspondence and notes. |
| Box 28, folder 190 | **Miller Lux 1910-1930**  
|                  | Physical Description: 1 folder  
|                  | Scope and Contents  
|                  | Tables of availability of water. |
| Box 28, folder 191 | **California Water Plan 1958**  
|                  | Physical Description: 1 folder  
|                  | Scope and Contents  
| Box 28, folder 192 | **Bertha M. Rankincorrespondence 1929-1931**  
|                  | Physical Description: 1 folder  
|                  | Scope and Contents  
|                  | Pertaining to East Side Canal Company case. |
| Box 28, folder 193 | **Foothill Irrigation District 1920**  
|                  | Physical Description: 1 folder  
|                  | Scope and Contents  
|                  | Report of Harry Barnesto W.F. McClure, State Engineer, regarding proposed district. |
Box 28, folder 194  **Indian Wells Valley Irrigation District 1921**  
Physical Description: 1 folder  
Scope and Contents  
Report of A. M. Strong, on proposed irrigation system for the Inyokern-Mojave District, Kern County, California.

Box 28, folder 195  **Miller Lux 1920**  
Physical Description: 1 folder  
Scope and Contents  
Synopsis of various contracts between Miller & Lux and Southern California Edison Company and its predecessors.

Box 28, folder 196  **San Joaquin River 1929**  
Physical Description: 1 folder  
Scope and Contents  
Suggested monthly flow schedule, compiled by Harry Barnes.

Box 28, folder 199  **Barnes, Harry. Estimates of annual cost per acre, based upon various costs per acre foot canal side, under State Plan. September 17, 1931.**  
Physical Description: 1 folder

Box 28, folder 200  **Madera Canal 1939**  
Physical Description: 1 folder  
Scope and Contents  
Memoranda from U.S. Bureau of Reclamation to Harry Barnes, Chief Engineer.

Box 28, folder 201  **Madera Irrigation District 1929**  
Physical Description: 1 folder  
Scope and Contents  
Statement by Harry Barnes regarding irrigation development of Madera area, prior and subsequent to organization of Madera Irrigation District.

Box 28, folder 202  **Madera Irrigation District 1921-1948**  
Physical Description: 1 folder  
Scope and Contents  
Groundwater profiles, north from San Joaquin River.

Box 28, folder 203  **Groundwater 1933-1941**  
Physical Description: 1 folder  
Scope and Contents  
Correspondence, reports, etc.

Box 28, folder 204  **Barnes, Harry. Specifications covering trenching and laying of concrete pipe. October 17, 1947.**  
Physical Description: 3 Leaves  
Scope and Contents  
To accompany letter of O. W. Israelsen.

Box 28, folder 205  **Table for measuring the flow of wells 1912**  
Physical Description: 1 folder

Box 28, folder 206  **Specifications on clearing and grubbing 1926**  
Physical Description: 1 folder
| Box 28, folder 207 | Debler, E. B. Reduction of conveyance losses in irrigation distribution. July 1, 1941.  
Physical Description: 6 Leaves |
|-------------------|--------------------------------------------------------------------------------------------------|
| Box 28, folder 208 | Madera County Conservation Needs Inventory Committee 1959  
Physical Description: 1 folder  
Scope and Contents  
Minutes of meetings. |
| Box 28, folder 209 | Sheridan Downey correspondence 1949  
Physical Description: 1 folder  
Scope and Contents  
Letters to Downey related to Orange Cove Irrigation District case and Central Valley Project. |
| Box 28, folder 210 | San Joaquin Kings River Canal Irrigation Company vs. Madera Irrigation District.  
Physical Description: 1 folder  
Scope and Contents  
Opinion of the California State Superior Court (Fresno County). |
| Box 28, folder 211 | Barnes, Harry. Data on flood conditions and the control of floods on certain east side tributaries of the San Joaquin River, in Madera County, California. April 20, 1937.  
Physical Description: 1 folder  
Scope and Contents  
Submitted to Madera Irrigation District. File includes photographs, maps, and correspondence. |
| Box 28, folder 212 | Gravelly Ford Canal case 1902-1933  
Physical Description: 1 folder  
Scope and Contents  
Data for testimony, memoranda, outline of evidence, average monthly seepage, and diversion records for Aliso Canal and Gravelly Ford Canal (Miller & Lux). |
| Box 28, folder 213 | Kings River 1918-1950  
Physical Description: 1 folder  
Scope and Contents  
Annual diversions from Kings River into area between Kings River, San Joaquin River, and Fresno Slough. |
| Box 28, folder 214 | Exhibits to accompany the application of the San Joaquin Kings River Canal Irrigation Company, Inc., and the San Joaquin River Water Storage District for an order authorizing the transfer and sale of property 1926  
Physical Description: 2 folders  
Scope and Contents  
Reports, financial statements, tables, contracts, maps, etc. |
| Box 29, folder 215 | Bliss Estate 1959-1960  
Physical Description: 1 folder  
Scope and Contents  
Correspondence with Athearn, Chandler & Hoffman, notes, etc. |
| Box 29, folder 216 | Stewart Irrigated Farms 1922  
|                  | Physical Description: 1 folder  
|                  | Scope and Contents  
| Box 29, folder 217 | Domestic water rates 1927-1928  
|                  | Physical Description: 1 folder  
|                  | Scope and Contents  
|                  | Correspondence, tables, etc. |
| Box 29, folder 218 | James J. Stevinson vs. Merced Irrigation District 1930  
|                  | Physical Description: 1 folder  
|                  | Scope and Contents  
|                  | Decree in California Superior Court (Merced County). |
| Box 29, folder 219 | Robinson Ranch 1945-1957  
|                  | Physical Description: 1 folder  
|                  | Scope and Contents  
|                  | C. Ray Robinson, application no. 16604, correspondence, maps, etc. |
| Box 29, folder 220 | Madera groundwater 1916  
|                  | Physical Description: 1 folder  
|                  | Scope and Contents  
|                  | Table showing "distance from surface of ground to underground water surface as measured in wells in the vicinity of Madera, California," maps, etc. |
| Box 29, folder 221 | James Irrigation District 1952  
|                  | Physical Description: 1 folder  
|                  | Scope and Contents  
|                  | Correspondence and map. |
|                  | Physical Description: 11 Leaves  
|                  | Scope and Contents  
|                  | Letter report to the Secretary of War. |
|                  | Physical Description: 4 Leaves |
| Box 29, folder 224 | Water Project Authority of the State of California, Central Valley Project. Valuation of rights to the waters of the San Joaquin River proposed to be acquired for division to upper San Joaquin Valley. Sacramento, March 1937. (Reports on acquisition of and plan of exchange for waters of the San Joaquin River; report no. 4).  
|                  | Physical Description: 40 Leaves  
|                  | Scope and Contents  
|                  | Another copy: G438 F6 no. 4. |
| Box 29, folder 225 | Water Project Authority of the State of California, Central Valley Project. Lands east of San Joaquin River between Chowchilla Farms and Stevinson Colony subject to uncontrolled overflow. December 1937. (Reports on acquisition of and plan of exchange for waters of the San Joaquin River; report no. 7).  
Physical Description: 1 v |
| Box 29, folder 226 | Water Project Authority of the State of California, Central Valley Project. Chowchilla Farms, Inc. November 1937. (Reports on acquisition of and plan of exchange for waters of the San Joaquin River; report no. 7).  
Physical Description: 1 v  
Scope and Contents  
Another copy: G438 F6 no. 6. |
| Box 29, folder 227 | Barnes, Harry. Report upon possibilities of irrigation and power development, from the Fresno and Chowchilla Rivers. April 1923.  
Physical Description: 68 Leaves |
| Box 29, folder 228 | Barnes, Harry. Memorandum of Madera Irrigation District to Mr. John C. Page, Commission of Reclamation, respecting the possible use by that District of water of the San Joaquin River, following construction of the Friant Dam and Madera Canal Units of the Central Valley Project. May 26, 1941.  
Physical Description: 49 Leaves |
| Box 29, folder 229 | Barnes, Harry. Data on irrigation of Buttonwillow Ranch and adjacent lands. 1920.  
Physical Description: 52 Leaves |
| Box 29, folder 230 | Madera Canal Irrigation Company 1924-1943  
Physical Description: 1 folder  
Scope and Contents  
Scope and Contents  
Details and summary of inventory of canal co. properties, notes, memoranda, correspondence, water rights information and data, etc. |