



TITLE: Colorado River Reclamation Projects

DATE RANGE: 1825-1992

CALL NUMBER: MS 1517

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PROVENANCE: Donated serially by the U.S. Bureau of Reclamation and individuals who worked on the projects.

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PREFERRED CITATION: Arizona Historical Society, Colorado River Reclamation Projects, MS 1517.

PROCESSED BY: Todd Anselmo, 2014 and Aiyana Irwin 2015

HISTORICAL NOTE: The Colorado River Reclamation Projects (CRRP) collection provides detailed information and photo documentation on four projects: the Yuma Project, the Yuma Auxiliary Project, the Gila Project, and the Parker-Davis Project. It documents the “taming” of the Colorado River in the largest irrigation project ever attempted in the U.S.

Bureau of Reclamation (BOR) initiatives on the Lower Colorado River were developed to deliver water consistently and safely to Southwestern and Central Arizona, Southeastern California and Mexico and provided electrical power to Arizona, California, and Nevada. The water harnessed and diverted as result of these projects opened up large and prosperous agricultural land in Arizona and Southern California. It also provided water and electrical power to settlers and businesses in the Southwest.

The Yuma Project, which began in 1905, was created to provide two divisions. The Reservation Division, which included the Arizona towns of Yuma, Somerton, and Gadsden, and the Valley Division, which included the California towns of Bard and Winterhaven. The Yuma Project constructed the Laguna Diversion Dam on the Colorado River, the Boundary Pumping Plant, a power plant, and a system of canals, laterals, and drains.

The Yuma Auxiliary Project, also known as “Unit B” was designed specifically to irrigate 3400 acres by pumping water more than 72 feet up from the Yuma Project’s main canal. This “B Lift Pumping Plant” provided water to the Yuma Mesa from 1922-1953 when water was delivered from the Gila Project.

The Gila Project, authorized to begin construction in 1937, is divided into the Yuma Mesa Division and the Wellton-Mohawk District. It includes the Gila de-silting works at Imperial Dam; the Gila Gravity Main Canal; the Mesa Unit Canals and distribution system; the lateral system in the North Gila Valley (originally constructed as part of the Yuma Project); the canal and pipeline distribution in the South Gila Valley; and the Wellton-Mohawk Canal distribution and drainage systems and related protective works.

The Parker Dam spans the Colorado River between Arizona and California and is part of a system of storage and diversion structures built by the BOR to control and regulate the Colorado River. Under the terms of a contract between BOR and the Wellton-Mohawk District and with funds advanced by the latter, excavation for Parker Dam and Powerplant began in October 1934. The dam was completed in September 1938. Construction of the power plant began in July 1939 and was substantially completed in 1942.

Samuel A. McWilliams, known throughout the collection as S.A. McWilliams, was the Supervising Engineer of the Yuma Auxiliary Project. Upon its completion, McWilliams left the Bureau of Reclamation to open an engineering consulting firm. A little more than a decade later, he was rehired by the BOR as the Construction Engineer for the Parker-Davis Project.

SCOPE AND CONTENT NOTE:Due to serial donations from multiple sources, original order is unknown. This collection is arranged into nine series and organized alphabetically and chronologically within unless stated otherwise.

Series I: Administrative – This series contains various manuals, training lessons, inspection data, and miscellaneous correspondence re project management.

Series II: Finance – This series contains allotment advice and cost reports, construction supplies, property costs, purchase orders, and fiscal operations reports.

Series III: Legal – The Legal Series documents a wide range of county, state and federal legal issues encountered by the BOR, Yuma residents, Indian Reservations, businesses, workers, politicians, and homesteaders. Much of it includes legal research and case studies from the Arizona Territory days up to the 1980’s. Included are Supreme and Superior Court rulings, briefs, decisions, and lawsuits between Arizona and California, private citizens and businesses, taxes, perfected rights disputes, rights of way, government land acquisitions, contracts, deeds, congressional hearings, homesteading, the Soldier and Sailor Relief Act, land appraisals, Military Purpose Reclamations, and other situations where land was reclaimed, returned, reclaimed again, and then offered back to the public upon completion of the projects. Within the Legal series there are eight folders, dating from 1902-1979. These document numerous property

titles searches with correspondence, memos, maps, project schematics and financial transactions for purchase of land under federal right-of-way laws. This includes discussion of Indian lands and “Mexican squatters”. The bulk of this material relates to improvements and expansions of irrigation projects the Colorado Basin Salinity Control Project, the Coachella Canal and the Imperial Valley Water District, the Wellton-Mohawk Water District, and the continuation of the Gila and Yuma Irrigation Projects.

Series IV: Publications – These publications vary widely and include pamphlets about the various projects and the cities that they served, agricultural publications, newspapers and serials, property appraisal and real estate handbooks, irrigation instruction, settlement and homesteading instructions, various dam pamphlets, and more.

Series V: Reports – This series represents the bulk of this collection. The documents filed here include technical reports from all four projects. They include annual reports, exhibits, work summaries, data results, special studies, research and testing reports, specifications, silt, sedimentation, equipment, concrete, earth compaction, erosion, canal lining, tests and research results, annual inspections, field notes, and other reports that address issues on the following projects over decades: Parker Dam, Yuma, Gila, All-American Canal, Lower Colorado River (Basin and Region), Imperial Valley, Vicinity, and Dam, Gila Valley, Wellton-Mohawk, out of state projects, Salt River, and Central Arizona Project.

Series VI: Specifications: Technical descriptions of equipment and materials to satisfy government contractual agreements.

Series VII: McWilliams – This series comprises the bulk of correspondence between Samuel A. McWilliams, the Chief Engineer on the Yuma Auxiliary Project, as well as the lead Construction Engineer on the Parker Dam Project, and other engineers, vendors, employees, Bureau of Reclamation, Department of Interior, and personal correspondence between businesses and family. Also included are financial materials, maps and charts, specifications, vouchers, letters of recommendation, raise proposals, equipment needs and costs, security information, and photographs of himself, Yuma Mesa, Parker Dam, and the Palo Verde Diversion Dam.

Series VIII: Albums Series – Arranged in chronological order and a **highlight of this collection**. The bulk of these images were photographed by professionals either on the BOR staff or hired by the construction companies. **The photographs are remarkable for their quality, composition, capture of specialized equipment and materials, workers, and the progressive documentation from the first excavations to the fully constructed projects.** They are generally meticulously captioned and housed in original Bureau of Reclamation albums. Although the album covers show wear, the photographs are in good to excellent condition. The Lee D. Purdin (engineer) album pages are noteworthy for documenting “the personal side” of the construction of the All American Canal.

IX: Ledgers Three large financial ledgers (heavy), one small ledger covering years 1912-1948 for the U.S. Department of Interior, Bureau of Reclamation.

Series X: Maps. One box of small maps of surveys, irrigation systems, Arizona and California land along the Lower Colorado River, private properties and right of way. Note that large, oversized, fragile maps are located in map case drawers. See Map case list.

CONTAINER LIST:

Box	Folder	Title	Dates
Box 1	1	Administrative: Committee of Irrigation and Arid Lands Bill, H.R. 9421	1919
	2	Administrative: Equipment Rental Schedule	September 21, 1937
	3	Administrative: Field Balancing of Large Rotating Machinery, Power O&M Bulletin No. 13A	July 9, 1945
	4	Administrative: Inspection data from engineer field trips w/correspondence	1928
	5	Administrative: Inspection data from engineer field trips w/correspondence, 1 of 2	1944-1949
	6	Administrative: Inspection data from engineer field trips w/correspondence	1950
	7	Administrative: List of Standard Articles for Electric Service Contracts	1945
	8	Administrative: Manual, Lesson No. 15, Meters and Instruments	ca 1945
	9	Administrative: Manual, Lesson No. 16, Hydraulic Turbines	ca 1945
	10	Administrative: Manual, Lesson No. 17, Governors for Hydraulic Turbines	ca 1945
	11	Administrative: Manual, Lesson No. 18, Electrolyte Cells and Storage Batteries	ca 1945
	12	Administrative: Manual, Methods for Coordinating System Protective Equipment, Power O&M Bulletin No. 17	July 23, 1945
	13	Administrative: Safety Manual	1944
	14	Administrative: Telephone Directory, Yuma, Arizona, Bureau of Reclamation	1952
Box 2	1	Finance: Allotment Advice, All-American Canal	1934-1943
	2	Finance: Allotment Advice, All-American Canal, Coachella Division	April 1949 – October 1950
	3	Finance: Allotment Advice, All-American Canal, Imperial Division	February 1949 –

			January 1951
	4	Finance: Allotment Advice, Colorado River	July 1950 – October 1950
	5	Finance: Allotment Advice, Gila Project	June 1949 – June 1951
	6	Finance: Allotment Advice, Yuma and Yuma Auxiliary Projects	July 1948 – June 1951
	7	Finance: Cost Reports, Yuma Project	July 1941
	8	Finance: Cost Reports, Yuma Project	August 1941
	9	Finance: Cost Reports, Yuma Project	September 1941
Box 3	1	Finance: Cost Reports, Yuma Project	October 1941
	2	Finance: Cost Reports, Yuma Project	November 1941
	3	Finance: Cost Reports, Yuma Project	December 1941
	4	Finance: Cost Reports, Yuma Project	January 1942
	5	Finance: Cost Reports, Yuma Project	February 1942
	6	Finance: Cost Reports, Yuma Project	March 1942
Box 4	1	Finance: Cost Reports, Yuma Project	April 1942
	2	Finance: Cost Reports, Yuma Project	May 1942
	3	Finance: Cost Reports, Yuma Project	June 1942
	4	Finance: Cost Reports, Yuma Project	July 1942
	5	Finance: Cost Reports, Yuma Project	August 1942
	6	Finance: Cost Reports, Yuma Project	September 1942
Box 5	1	Finance: Cost Reports, Yuma Project	October 1942
	2	Finance: Cost Reports, Yuma Project	November 1942
	3	Finance: Cost Reports, Yuma Project	December 1942
	4	Finance: Cost Reports, Yuma Project	January 1943
	5	Finance: Cost Reports, Yuma Project	February 1943
	6	Finance: Cost Reports, Yuma Project	March 1943

Box 6	1	Finance: Cost Reports, Yuma Project	April 1943
	2	Finance: Cost Reports, Yuma Project	May 1943
	3	Finance: Cost Reports, Yuma Project	June 1943
	4	Finance: Cost Reports, Yuma Project	July 1943
	5	Finance: Cost Reports, Yuma Project	August 1943
	6	Finance: Cost Reports, Yuma Project	September 1943
Box 7	1	Finance: Cost Reports, Yuma Project	October 1943
	2	Finance: Cost Reports, Yuma Project	November 1943
	3	Finance: Cost Reports, Yuma Project	December 1943
	4	Finance: Cost Reports, Yuma Project	January 1944
	5	Finance: Cost Reports, Yuma Project	February 1944
	6	Finance: Cost Reports, Yuma Project	March 1944
Box 8	1	Finance: Cost Reports, Yuma Project	April 1944
	2	Finance: Cost Reports, Yuma Project	May 1944
	3	Finance: Cost Reports, Yuma Project	June 1944
	4	Finance: Cost Reports, Yuma Project	July 1944
	5	Finance: Cost Reports, Yuma Project	August 1944
	6	Finance: Cost Reports, Yuma Project	September 1944
	7	Finance: Cost Reports, Yuma Project	October 1944
Box 9	1	Finance: Cost Reports, Yuma Project	November 1944
	2	Finance: Cost Reports, Yuma Project	December 1944
	3	Finance: Cost Reports, Yuma Project	January 1945
	4	Finance: Cost Reports, Yuma Project	February 1945
	5	Finance: Cost Reports, Yuma Project	March 1945
	6	Finance: Cost Reports, Yuma Project	April 1945
	7	Finance: Cost Reports, Yuma Project	May 1945
Box 10	1	Finance: Cost Reports, Yuma Project	June 1945
	2	Finance: Cost Reports, Yuma Project	July 1945

	3	Finance: Cost Reports, Yuma Project	August 1945
	4	Finance: Cost Reports, Yuma Project	September 1945
	5	Finance: Cost Reports, Yuma Project	October 1945
	6	Finance: Cost Reports, Yuma Project	November 1945
	7	Finance: Cost Reports, Yuma Project	December 1945
Box 11	1	Finance: Cost Reports, Yuma Project	January 1946
	2	Finance: Cost Reports, Yuma Project	February 1946
	3	Finance: Cost Reports, Yuma Project	March 1946
	4	Finance: Cost Reports, Yuma Project	April 1946
	5	Finance: Cost Reports, Yuma Project	May 1946
	6	Finance: Cost Reports, Yuma Project	June 1946
Box 12	1	Finance: Cost Reports, Yuma Project	July 1946
	2	Finance: Cost Reports, Yuma Project	August 1946
	3	Finance: Cost Reports, Yuma Project	September 1946
	4	Finance: Cost Reports, Yuma Project	October 1946
	5	Finance: Cost Reports, Yuma Project	November 1946
	6	Finance: Cost Reports, Yuma Project	December 1946
	1	Finance: Cost Reports, Yuma Project	January 1947
	2	Finance: Cost Reports, Yuma Project	February 1947
	3	Finance: Cost Reports, Yuma Project	March 1947
	4	Finance: Cost Reports, Yuma Project	April 1947
	5	Finance: Cost Reports, Yuma Project	May 1947
	6	Finance: Cost Reports, Yuma Project	June 1947
Box 14	1	Finance: Cost Reports, Yuma Project	November 1948
	2	Finance: Cost Reports, Yuma Project	December 1948
	3	Finance: Property & Supply, Construction Supply & Service Contracts, 1 of 2	1940-1944

	4	Finance: Property & Supply, Construction Supply & Service Contracts, 2 of 2	1940-1944
Box 15	1	Finance: Property & Supply	1945-1950
	2	Finance: Property & Supply, Property Management	1949-1950
	3	Finance: Property & Supply, Purchase Orders and Invitations	1950
	4	Finance: Yuma Finance, Fiscal Operations, Imperial Valley Investigations, Costs Reports, 1 of 2	July-September 1920
	5	Finance: Yuma Finance, Fiscal Operations, Imperial Valley Investigations, Costs Reports, 2 of 2	July 1920 – September 1920
	6	Finance: Yuma Finance, Fiscal Operations, Imperial Valley Investigations, Costs Reports	October 1920 – January 1921
Box 16	1	Finance: Yuma Finance, Fiscal Operations, Imperial Valley Investigations, Costs Reports	August 1920 – April 1923
	2	Finance: Yuma Finance, Fiscal Operations, Imperial Valley Investigations, Costs Reports	February 1921 – March 1922
	3	Legal: Acreage Limitations of Reclamation Projects	1977-1978
	4	Legal: Appendix, Arizona, Pump and Well Data, Contract Users, Mohave Valley, Part “A,” and Appendix, California Pump and Well Data, Unauthorized use of Colorado River Water, Part “C.”	September 1970
	5	Legal: Appraisal of Ivah L. Carter Farm, 1974 Original Draft and 1978 Final Draft	1974-1978
	6	Legal: Arizona v California, Exhibits, Historic Rights, Yuma Project, Supreme Court	October 1955
Box 17	1	Legal: Arizona v California, Findings of Fact, No. 9, Original October Term, Supreme Court	October 1959
	2	Legal: Arizona v California, List of Exhibits, Historic Rights, Yuma Project, Supreme Court	1825-1958
	3	Legal: Arizona v California, Memorandum, No. 10, Original October Term, Supreme Court	October 1957
	4	Legal: Arizona v State Land Department, Brief of Amici Curiae, No. 8620, Supreme Court	March 1965
	5	Legal: Boulder Canyon Project, Cooperative Contract for Construction and Operation of Parker Dam	February 10, 1933
	6	Legal: Environmental Defense Fund v Andrus, Higginson and Castle, Arizona v California, Bunelli v Arizona, Senate Committee Testimony, Water Rights,	1901-1976

		Algodones Land Grand, Public Law 94-168, Public Law 93-320	
	7	Legal: Gila Project, Wellton-Mohawk Division, Irrigation Repayment Contract	March 4, 1952
	8	Legal: Government Land Acquisitions, contracts, Deeds, Info, 1 of 8	1902-1979
	9	Legal: Government Land Acquisitions, contracts, Deeds, Info, 2 of 8	1902-1979
Box 18	1	Legal: Government Land Acquisitions, contracts, Deeds, Info, 3 of 8	1902-1979
	2	Legal: Government Land Acquisitions, contracts, Deeds, Info, 4 of 8	1902-1979
	3	Legal: Government Land Acquisitions, contracts, Deeds, Info, 5 of 8	1902-1979
	4	Legal: Government Land Acquisitions, contracts, Deeds, Info, 6 of 8	1902-1979
	5	Legal: Government Land Acquisitions, contracts, Deeds, Info, 7 of 8	1902-1979
	6	Legal: Government Land Acquisitions, contracts, Deeds, Info, 8 of 8	1902-1979
Box 19	1	Legal: H.R. 11449, Hearing Reports, House of Representatives, Colorado River Basin Protection Reports	1922
	2	Legal: H.R. 5434, Congressional Hearing, Bill to Re-authorize the Gila Project, 1 of 2	1946
	3	Legal: H.R. 5434, Congressional Hearing, Bill to Re-authorize the Gila Project, 2 of 2	1946
	4	Legal: Hearing on Colorado River International Salinity Control Project	October 5, 1974
	5	Legal: Homesteads and Pre-emptions, Bonds, Records, Agreements, Book of Deeds	1890-1927
	6	Legal: Land Capability and Classification	1964
	7	Legal: Land Classification	1918-1953
Box 20	1	Legal: Perfected Rights Claimants in the Cibola Valley, Yuma County, AZ	August 1965
	2	Legal: Perfected Rights Research	n.d.
	3	Legal: Public Acquisitions of Land	1936-1980
	4	Legal: Public Acquisitions of Land (Homesteading)	1936-1980
	5	Legal: Public Acquisitions of Land (6 non-project, Squatter Farms)	1936-1980
	6	Legal: Reclamation for Military Purposes, WW II, Yuma and Yuma Auxiliary Airfields, P.O.W. Camps, Desert Training, Test Station, Hearings	1939-1963

Box 21	1	Legal: Rights of Way, Acquisitions, Records, Info, 1 of 2	1900-1971
	2	Legal: Rights of Way, Acquisitions, Records, Info, 2 of 2	1900-1971
	3	Legal: Supreme Court Opinion, No. 8, Original October Term, 1962	June 3, 1963
	4	Legal: The Irrigation Land and Improvement Co. v the Many Residents of Yuma County, Arizona Territory	1905
	5	Legal: Wellton-Mohawk District v All-Persons in the Matter of the Validity...Delivery of Water, Superior Court (1-2)	August 12, 1952
	6	Legal: Wellton-Mohawk District v All-Persons in the Matter of the Validity...Delivery of Water, Superior Court (2-2)	August 12, 1952
Box 22	1	Legal: Yuma County Water Users Association, Articles of Incorporation, By-laws, Contracts with the U.S. and City of Yuma. Yuma Project.	1906-1976
	2	Legal: Yuma Levee Deeds	1905-1926
	3	Publications: Agricultural Experiment Station, University of Arizona, Bulletin Nos. 28, 63, and 89, Salt River Valley Soils, Irrigation and Agriculture Practice in Arizona, and The Yuma Mesa	1898-1919
	4	Publications: Appraisal of Real Property	1956
	5	Publications: Appraisal on Rolling Stone Ranch, Cherry County, Nebraska (Sample)	June 8, 1963
	6	Publications: Area Cropped: Valley, Reservation, Yuma Auxiliary	ca 1950
	7	Publications: Arizona Agriculture Statistics	1978
	7a	Publications: California Agriculture (special issue)	1957
	8	Publications: Changes in Dollar Value of Farmland, Changes in Farm Real Estate Market	1955, 1957
	8a	Publications: The Chemical Composition of Representative Arizona Waters	1949
	9	Publications: Colorado River Real Estate Training Manual (1-2)	1967
	10	Publications: Colorado River Real Estate Training Manual (2-2)	1967
	10a	Publications: Consumptive Use of Water	1951, 1964, 1965
	11	Publications: Cost Indexes for Construction Work, 1949-1951	October 1957
	12	Publications: Farmers' Bulletin 805, The Drainage of Irrigated Farms; Farmers' Bulletin 853, Home Canning	June-July 1917

		of Fruits and Vegetables, Farmers' Bulletin 1131, Tile-Trenching Machinery, Farmers' Bulletin 1447	
	13	Publications: Flood Plain Information, Colorado River, Palo Verde Dam to Imperial Dam	1974
Box 23	1	Publications: Irrigation Investigations in Young Grapefruit Orchards on the Yuma Mesa, University of Arizona	December 15, 1931
	2	Publications: Irrigation Publications, University of Arizona (3)	1949-1959
	3	Publications: Pamphlets, Informational, Hoover Dam, Boulder Dam, Settlement and Homesteading, Public Land, Eminent Domain, Index to map of U.S., Colorado River (14)	1957-1958
	4	Publications: Preparation of Demonstration Appraisal Reports, American Institute of Real Estate Appraisals	June 1957
	5	Publications: Procedural Guidelines for Measurement of Proximity Damages	July 1967
	6	Publications: Real Estate Appraisal Handbook	1957
	7	Publications: Reclamation Pamphlets (3)	n.d., 1916, 1928
	8	Publications: Relative Productive Value of Land	n.d.
	9	Publications: Report of the Committee on Land Appraisal Practices in the Department of the Interior	1956
	10	Publications: Soil Pamphlets (5)	1896-1975
	10a	Publications: A Summary of Groundwater Legislation in Arizona – Rules and Regulations of the State Land Department Concerning Groundwater	1954
	10b	Publications: Tables for Estimating Costs of Owning versus Operating Farm Machinery	1965
	11	Publications: The Historic Yuma Project	1992
	12	Publications: The Real Estate Appraiser	1969
	13	Publications: Transmission Line Easements in Condemnation	October 1963
	14	Publications: Tree Planting on the Farm	April 1940
Box 24	1	Publications: Various, Lower Colorado River, All-American Canal, Yuma Project, Irrigation and Salinization, Parker Dam, Central Valley Project, Yuma count Crops, Flood of January, 1916, Snake-bite Instructions, Lined Farm Ditches, List of Dams in the U.S., Important Dams in the U.S., Directory of Reclamation Projects, Financial Planning	1940-1967
	2	Publications: Yuma County Farm Notes	July 21, 1977
	3	Publications: Reclamation Records Periodical (2)	1917-1920

	4	Publications: New Reclamation Era	1926-1931
	5	Publications: The Reclamation Era Publication (11)	1935-1940
	6	Publications: Yuma Daily Sun, Yuma County Farmer	1947-1956
	7	Publications: Yuma Project, Yuma Chamber of Commerce	1922-1927
	8	Reports: All-American Canal, A Report	1920
	9	Reports: All-American Canal, Report on Investigations, California, 1929-1930	May 1931
Box 24a	1	Publications: <i>Engineering News-Record</i> 1 of 3	1921
	2	Publications: <i>Engineering News-Record</i> 2 of 3	1921
	3	Publications: <i>Engineering News-Record</i> 3 of 3	1921
	4	Publications: <i>Engineering News-Record</i> 1 of 2	1922
	5	Publications: <i>Engineering News-Record</i> 2 of 2	1922
Box 25	1	Reports: Arizona Agricultural Statistics	1977
	2	Reports: Arizona-Colorado River Diversion Projects, Reconnaissance Report	November 1963
	3	Reports: Central Arizona Project, Project Planning Report No. 3-86-4-2	December 1947
	4	Reports: Colorado River Basin, Eighth Annual Report on Retrogression Observations, Salinity Studies, and Suspended Load Investigations	July 1, 1943 April, 1976
	5	Reports: Colorado River Basin, Quality of Water, Progress Report No. 3	January 1967
	6	Reports: Colorado River in its relation to the Imperial Valley, California	1917
	7	Reports: Colorado River, Flood Plain Information, Davis Dam to Topock	1969
	8	Reports: Colorado River, Various Reports, Farm Ditch Linings, Crop Costs and Returns, B.O.R Growth Report, Colorado River Water Movement and Changes, Irrigation Evaluation	1928-1966
Box 26	1	Reports: Crop Report and Related Data, 1968	1969
	2	Reports: Crop Report and Related Data, 1968, Statistical Appendix	1969
	3	Reports: Davis Dam, Transmission System, General Summary of Plans	February 27, 1947
	4	Reports: Federal Reclamation Projects, Summarized Data	November 1941
	5	Reports: Geology and Groundwater Resources of the Harquahala Plains Area, Maricopa and Yuma Counties, Arizona	September 1957
	6	Reports: Geology and Groundwater Resources of the Palomas Plain-Dendora Valley Area, Maricopa and Yuma Counties, Arizona	January 1958

	7	Reports: Gila Project, Annual Report	1955
	8	Reports: Gila Project, Annual Report	1956
	9	Reports: Gila Project, Annual Report	1957
Box 27	1	Reports: Gila Project, Field Report (Gravity Main Canal) Region 3	1949
	2	Reports: Gila Project, Maps	1965, 1972, 1974
	3	Reports: Gila Project, Public Land Development and Settlement, Yuma Mesa Division	October 1949
	4	Reports: Gila Project, Study of SS-13 as a Soil Amendment to Increase the Water-Holding Capacity of Sandy Mesa Soils	1958
	5	Reports: Gila Valley Project, Arizona, Engineering Report on Plans and Cost Estimates of the First Unit	December 1934
	6	Reports: Gila Valley Project, Arizona, Report of the Feasibility of the Gila Valley Project, by Special Committee, 1 of 2	February 1936
	7	Reports: Gila Valley Project, Arizona, Report of the Feasibility of the Gila Valley Project, by Special Committee, 2 of 2	February 1936
	8	Reports: Growth and Contribution of Federal Reclamation to an Expanding National Economy	1954
Box 28	1	Reports: Imperial Dam, Flows and Diversions...and all Actions Affecting the Coordination Thereof, Regional Director's Report, Calendar Year 1962	1962
	2	Reports: Imperial Dam, Flows and Diversions...and all Actions Affecting the Coordination Thereof, Regional Director's Report, Calendar Year 1963	1963
	3	Reports: Imperial Dam, Flows and Diversions...and all Actions Affecting the Coordination, Regional Director's Report, Calendar Year 1965	1965
	4	Reports: Imperial Dam, Flows and Diversions...and all Actions Affecting the Coordination Thereof, Regional Director's Report, Calendar Year 1968	1968
	5	Reports: Imperial Valley and Vicinity, Problems	1922
	6	Reports: Imperial Valley and Vicinity, Report on Problems	February 1922
	7	Reports: Laboratory Report No. C-114, The Development and Use of Absorptive Concrete Form Lining	1941
	8	Reports: Laboratory Reports No.307 Technical Concrete control Section	1946

	9	Reports: Laboratory Report No. C-310, Materials, Entrained Air – A Factor in the Design of Concrete Mixes	1946
	10	Reports: Land Acquisition Appraisals, Report Form 7-1508, 1 of 2	December 1970
	11	Reports: Land Acquisition Appraisals, Report Form 7-1508, 2 of 2	December 1970
Box 29	1	Reports: Lower Colorado Land Selection Program	March 1974
	2	Reports: Lower Colorado Region Comprehensive Framework Study of Water and Land Resources, Summary Report	June 1971
	3	Reports: Lower Colorado Region Comprehensive Framework Study of Water and Land Resources, Appendix I – History of Study, Appendix II – The Region	June 1971
	4	Reports: Lower Colorado Region Comprehensive Framework Study of Water and Land Resources, Appendix III – Legal and Institutional Environment	June 1971
	5	Reports: Lower Colorado Region Comprehensive Framework Study of Water and Land Resources, Appendix IV – Economic Base and Projection for 1980, 2000, 2020	June 1971
	6	Reports: Lower Colorado Region Comprehensive Framework Study of Water and Land Resources, Appendix V – Water Resources	June 1971
	7	Reports: Lower Colorado Region Comprehensive Framework Study of Water and Land Resources, Appendix VII – Mineral Resources	June 1971
	8	Reports: Lower Colorado Region Comprehensive Framework Study of Water and Land Resources, Appendix IX – Flood Control	June 1971
Box 30	1	Reports: Lower Colorado Region Comprehensive Framework Study of Water and Land Resources, Appendix X – Irrigation and Drainage	June 1971
	2	Reports: Lower Colorado Region Comprehensive Framework Study of Water and Land Resources, Appendix XI – Municipal and Industrial Water Supply	June 1971
	3	Reports: Lower Colorado Region Comprehensive Framework Study of Water and Land Resources, Appendix XIV – Electric Power	June 1971
	4	Reports: Lower Colorado Region Comprehensive Framework Study of Water and Land Resources, Appendix XV – Water Quality, Pollution Control and Health Factors	June 1971

	5	Reports: Lower Colorado River Agricultural Consumptive Use, Back-up Data, Copy – Yuma, Yuma Auxiliary, Coachella, and All-American Canal, 1 of 2	ca. 1964
	6	Reports: Lower Colorado River Agricultural Consumptive Use, Back-up Data, Copy – Yuma, Yuma Auxiliary, Coachella, and All-American Canal, 2 of 2	ca. 1964
	7	Reports: Lower Colorado River Basin, Memorandum Supplement to “Lower Colorado River Basin, Project Planning Report on Water Supply	November 1953
Box 31	1	Reports: Lower Colorado River Basin, Project Planning Report on Water Supply, 1 of 2	November 1952
	2	Reports: Lower Colorado River Basin, Project Planning Report on Water Supply, 2 of 2	November 1952
	3	Reports: Lower Colorado River Basin, Summary of Records of Surface Waters at Stations on Tributaries in the Lower Colorado River Basin, 1888-1938	1947
	4	Reports: Lower Colorado River Land Use Plan	January 1964
	5	Reports: Lower Colorado River, Comprehensive Plan, Channelization, Parker Division, Draft Report	September 1965
	6	Reports: Lower Colorado River, Comprehensive River Management Plan, Topock Gorge Division, Draft Report	April 1966
Box 32	1	Reports: Lower Colorado River, Comprehensive River Management Plan, Topock Gorge Division, Draft Report. Final Report	1967
	2	Reports: Lower Colorado River, Comprehensive River Management Plan, Parker Division, Final Report	1969
	3	Reports: Lower Colorado River, Comprehensive River Management Plan, Yuma Division, Final Report	1969
	3a	Reports: Lower Gila Region, Arizona – A Geographic, Geologic, and Hydrologic Reconnaissance with a Guide to Desert Watering Places	1923
	4	Reports: Office of River Control, Report for the Year 1944	July 1, 1945
	5	Reports: Parker Dam Power Project, Project History, 1 of 6	1940
	6	Reports: Parker Dam Power Project, Project History, 2 of 6	1941
Box 33	1	Reports: Parker Dam Power Project, Project History, 3 of 6	1942
	2	Reports: Parker Dam Power Project, Project History, 4 of 6	1943

	3	Reports: Parker Dam Power Project, Project History, 5 of 6	1944
	4	Reports: Parker Dam Power Project, Project History, 6 of 6	1945
	5	Reports: Parker Dam Power Project, Turbine Repairs, 1 of 2 (water-damaged photos)	1946
	6	Reports: Parker Dam Power Project, Turbine Repairs, 2 of 2 (water-damaged photos)	October 7, 1948
Box 34	1	Reports: Parker Dam, Trial Load Analysis of Stresses in Parker Dam, Technical Memorandum No. 528	July 15, 1936
	2	Reports: Reconnaissance Studies, Marble Canyon-Kanab Creek Power Development –Memorandum Report	October, 1961
	3	Reports: Region 1, Annual Power O&M Inspection Report, Minidoka Project, Boise Project, Yakima Project, Columbia Basin Project	April 14, 1950
	4	Reports: Region 2, Annual Power O&M Inspection Report	March 10, 1950
	5	Reports: Region 3, Annual Power O&M Inspection Report, Electrical Equipment	May 31, 1950
	6	Reports: Region 3, Annual Power O&M Inspection Report, Mechanical Equipment	December 12, 1950
	7	Reports: Region 3, Field Trip Report, Parker Dam Project, Yuma Project, Gila Project, All-American Canal System, Inspection of Major Structures and Facilities (1-2)	June 29, 1950
	8	Reports: Region 3, Field Trip Report, Parker Dam project, Yuma Project, Gila Project, All-American Canal System, Inspection of Major Structures and Facilities (2-2)	June 29, 1950
	9	Reports: Research/Testing/Technical – Atomic Energy	1947-1950
	10	Reports: Research/Testing/Technical – Canal Lining, Lower Cost Canal Lining, 1 of 3	1946
Box 35	1	Reports: Research/Testing/Technical – Canal Lining, Lower Cost Canal Lining, 2 of 3	1946
	2	Reports: Research/Testing/Technical – Canal Lining, Lower Cost Canal Lining, 3 of 3	1946
	3	Reports: Research/Testing/Technical – Canal Lining, Lower Cost Canal Lining, 1 of 3	1947-1950
	4	Reports: Research/Testing/Technical – Canal Lining, Lower Cost Canal Lining, 1 of 3	1947-1950
	5	Reports: Research/Testing/Technical – Canal Lining, Lower Cost Canal Lining, 1 of 3	1947-1950

Box 36	1	Reports: Research/Testing/Technical – Corrosion Research	1947-1950
	2	Reports: Research/Testing/Technical – Equipment (research and testing of)	1947-1949
	3	Reports: Research/Testing/Technical – Equipment, Current Meters (hydrographic)	1947-1949
	4	Reports: Research/Testing/Technical – Inventions, Patents, and Copyrights by Bureau Employees, McCaig, Wm. OL., Rotary Ditch Liner and Compacter	1949-1957
	5	Reports: Research/Testing/Technical – Materials and Supplies	1944-1950
	6	Reports: Research/Testing/Technical – Materials and Supplies, Lubricants	1948
	7	Reports: Research/Testing/Technical – Materials and Supplies, Paints and Preservations	1935-1950
	8	Reports: Research/Testing/Technical – Processes – Canal Lining, Farm Ditch Linings	1946-1949
Box 37	1	Reports: Research/Testing/Technical – Processes – Concrete and Cement Placing and Curing	1945-1949
	2	Reports: Research/Testing/Technical – Processes – Earth Compaction, 1 of 3	1944-1950
	3	Reports: Research/Testing/Technical – Processes – Earth Compaction, 2 of 3	1944-1950
	4	Reports: Research/Testing/Technical – Processes – Earth Compaction, 3 of 3	1944-1950
	5	Reports: Research/Testing/Technical – Processes (research and testing), 1 of 2	1940-1950
Box 38	1	Reports: Research/Testing/Technical – Processes (research and testing) – 2 of 2	1940-1950
	2	Reports: Research/Testing/Technical – Silt and Sedimentation, 1 of 3	1916-1939
	3	Reports: Research/Testing/Technical – Silt and Sedimentation, 2 of 3	1916-1939
	4	Reports: Research/Testing/Technical – Silt and Sedimentation, 3 of 3	1916-1939
Box 39	1	Reports: Research/Testing/Technical – Silt and Sedimentation. (1-3)	1940-1950
	2	Reports: Research/Testing/Technical – Silt and Sedimentation. (2-3)	1940-1950
	3	Reports: Research/Testing/Technical – Silt and Sedimentation. (3-3)	1940-1950
	4	Reports: Special Studies, Delivery of Water to Mexico	February 1963

Box 40	1	Reports: Special Studies, Delivery of Water to Mexico, Preliminary Report Draft	February 1963
	2	Reports: Transmitting Report on Channel Changes in Colorado River Between Lighthouse Rock and California-Mexico Boundary	1954
	3	Reports: Water Transfer Study, Final Report	November 1987
	4	Reports: Wellton-Mohawk District, Yuma County, Farm Adjustment Possibilities to Increase Income in...Report No. 218	October 1963
	5	Reports: Wellton-Mohawk Division, Boundaries of Irrigation and Drainage District, Exhibit A	n.d.
	6	Reports: Wellton-Mohawk Division, Mesa Development Farm, Annual Report	1954
	7	Reports: Wellton-Mohawk Irrigation and Drainage District, Work Summary	1962
	8	Reports: Yuma Area, Movements of the Gila and Colorado Rivers in the Yuma Area During Historic Times with Specific Attention to Certain Lands in Township 8 South, Range 23 West, Gila and Salt River Meridian, Arizona	August 1961
	9	Reports: Yuma Auxiliary Project, Test of "B" Lift Pumping Plant	March 10, 1922
	10	Reports: Yuma District, Management Framework Plan, Management Decisions, Summary	May 1975
	11	Reports: Yuma Project, Annual Project History, Arizona-California	1929
Box 41	1	Reports: Yuma Project, Annual Project History, O&M Report	1921
	2	Reports: Yuma Project, Arizona-California, Data Prepared for Board of Engineers	1910
	3	Reports: Yuma Project, Maps	1968
	4	Reports: Yuma Project, Various Data	1910-1956
	5	Reports: Yuma Valley Area, Soil Survey Legend	1955
	6	Specs: Canal Specifications, Reservation Canals Unit "B" Canals, Gila Project (1-2)	1957
	7	Specs: Canal Specifications, Reservation Canals Unit "B" Canals, Gila Project (2-2)	1957
Box 42	1	Specs: Specifications No. 731 Gate Hoist for Spillway Regulating Gates	March 29, 1937
	2	Specs: Specification No. 222-D Electrical Apparatus for "B" Lift Pumping Plant	April 6, 1920
	3	Specs: Specification No. 260-D, Turnout Gates	August 29, 1921

	4	Specs: Specifications No. 519, Hoover Dam Power Plant and Appurtenant Works	December 17, 1930
	5	Specs: Specifications No. 574, Parker Dam and Appurtenant Works	March 1934
	6	Specs: Specifications No.722, Regulating Gate for Spillways, 50-foot by 50-foot	February 6, 1937
Box 43	1	Specs: Specifications No. DC-4825, Glen Canyon Dam and Power Plant, Vol. 1 (1-2)	1957
	2	Specs: Specifications No. DC-4825, Glen Canyon Dam and Power Plant, Vol. 1 (2-2)	1957
	3	Specs: Specifications No. DC-4825, Glen Canyon Dam and Power Plant, Vol. 2 (1-2)	1957
	4	Specs: Specifications No. DC-4825, Glen Canyon Dam and Power Plant, Vol. 2 (2-2)	1957
	5	McWilliams: Change Order No. 1	1936
	6	McWilliams: Contracts and Agreements	1902-1934
	7	McWilliams: Correspondence – Employees, Hiring, Firing, Wages	1921-1948
Box 44	1	McWilliams: Correspondence – Engineers to and from Vendors	1920-1948
	2	McWilliams: Correspondence – Engineers to Engineers – Project Managers – Bureau and Interior Department (1-2)	1919-1943
	3	McWilliams: Correspondence – Engineers to Engineers – Project Managers – Bureau and Interior Department (2-2)	1919-1943
	4	McWilliams: Correspondence – Personal – Bills, Letters, Notebooks, Articles	1919-1946
	5	McWilliams: Correspondence, Misc.	1906-1916
	6	McWilliams: Extra Work Orders	1936-1938
Box 45	1	McWilliams: Finance, Vouchers, Pay Scales, Promotions, Labor, Raises, Equipment Needs and Costs and Estimates, Disputes, 1 of 2	1918-1938
	2	McWilliams: Finance, Vouchers, Pay Scales, Promotions, Labor, Raises, Equipment Needs and Costs and Estimates, Disputes, 2 of 2	1918-1938
	3	McWilliams: Maps and Charts	1906-1926
	4	McWilliams: Photographs – Yuma Mesa, Parker Dam, Palo Verde Diversion Dam	1919-1938
	5	McWilliams: Security, FBI Brief, Forms	ca 1940s
	6	McWilliams: Specifications	1920-1933
Box 45a	1	McWilliams: Various	1914-1932
	2	McWilliams: Various	1933-1952

Box 46	OV	Photograph Albums: U.S. Reclamation Service, Construction of Laguna Dam; Early Agriculture in Yuma Valley; Imperial Valley Flood	1905-1906
Box 47	OV	Photograph Albums: Laguna Dam Construction, California Construction Company; Imperial Valley Flood; Ludy Canal	1905-1906
Box 48	OV	Photograph Albums: Imperial Valley and Salton Sea Flood' California Development Company Flood Control Effort; Southern Pacific Railroad Completion of Project	1905-1906
Box 49	OV	Photograph Albums: California Development Company – Imperial Valley Flood	1906-1907
Box 50	OV	Photograph Albums: Celebration, Completion of Laguna Dam; Early Agriculture in Yuma Valley	1909
Box 51	OV	Photograph Albums: U.S. Reclamation Service – Construction Work on the Reservation Division Portion of the Project	1910
Box 52	OV	Photograph Albums: U.S. Reclamation Service, Construction on Laguna Dam and Other Projects (many images not identified); includes a hand-carved peg board engraved Yuma Project Laguna Dam and E.D. Vincent, Registered Engineer and J.W. Whitney, Superintendent	Circa 1910
Box 53	OV	Photograph Albums: U.S. Reclamation Service, Construction on the Yuma Mesa Project; Flood in Yuma Valley and Gadsden Area; Early Agriculture on the Mesa; also includes 1919 edition of <i>The Morning Sun</i> “Yuma Mesa Land Opening”	1921-1923
Box 54	OV	Photograph Albums: Growth of Agriculture-Yuma Valley and Bard Areas; Repair Work at Laguna Dam	1923-1928 1925-1926
Box 55	OV	Photograph Albums: Continuing Development of Agriculture, Yuma Valley and Bard Area (Reservation Division); Continuing Construction on the Yuma Mesa Project	1928-1936
Box 56	OV	Photograph Albums: Lee D. Purdin, Engineer – All American Canal Survey and Construction (includes narrative, correspondence, well-captioned photos on loose album pages) U.S. Bureau of Reclamation – Civilian Conservation Corps- Rehabilitation and Construction Work in Yuma Valley, Mesa Project and in the Reservation Division	1929-1930, 1935-1939 1935-1939
Box 57	OV	Photograph Albums: Gila Project “G-1”	1936-1938
Box 58	OV	Photograph Albums: Gila Project “G-2”	1938-1939
Box 59	OV	Photograph Albums: Gila Project “G-3”	1938-1939

Box 60	OV	Photograph Albums: Civilian Conservation Corps Projects Under USBR Control; Agriculture in Yuma Valley; Earthquake of May 18, 1940 –Damage in Yuma Valley and Imperial County	1938-1940
Box 61	OV	Photograph Albums: U.S. Bureau of Reclamation – Start of the Wellton-Mohawk Division Construction; Progress of Agriculture on the Yuma Mesa Project	1953
Box 62	OV	Ledgers: U.S. Department of Interior-Bureau of Reclamation – Allotment Advice, Yuma Project and Auxiliary (heavy)	1912-1948
Box 63	OV	Ledgers: U.S. Department of Interior-Bureau of Reclamation - General Ledger – Estimate and Authorization for Work (heavy) U.S. Department of Interior-Bureau of Reclamation Yuma Project-Statement of Investment Account	1912-1929 1916-1918
Box 64	OV	Ledgers: U.S. Department of Interior-Bureau of Reclamation – Yuma Cash Book	1913-1916
Box 65	1	Maps: Lower Colorado River Maps	1976
	2	Maps: North, Northwest, and West Drain Right of Way	1922-1976
	3	Maps: Property of the U.S. – Lots 1 and 2 (Yuma, Arizona)	1977
	4	Maps: Wellton-Mohawk Right of Way	1951
	5	Maps: West Main Canal Right of Way	1911-1913
	6	Maps: Yuma Mesa Project – Farm Units	1948
	7	Maps: Yuma Project – Features Constructed to December 31, 1915	1917