

3-2024

Guide to MS555 Joseph Friedkin papers

Susannah Holliday

Guide to
MS 555
Joseph Friedkin Papers

1900-2001,
1960-1980,

12.17 Linear Feet

Reprocessed by Susannah Holliday
March 2024

Donated by Jonell Friedkin Monschke

Citation: Joseph Friedkin Papers, 1900-2001, MS 555, C.L. Sonnichsen Special Collections Department. The University of Texas at El Paso Library.

C.L. Sonnichsen Special Collections Department
University of Texas at El Paso

Biography or Historical Sketch

Joseph Friedkin was born in Brooklyn in 1908 and moved with his family to El Paso at the age of six. He attended school in El Paso and graduated from the Texas School of Mines in 1932.

Joseph Friedkin had a successful academic career at the Texas School of Mines (now UTEP) where he pursued. He was on the honor roll every semester that he attended the Texas School of Mines and served as the President of the Student Association from 1931 to 1932, Vice President of the Student Association from 1930 to 1931, participated in Band from 1928-1929, serving as band manager from 1931-1932. In addition to his academic and extracurricular success, Friedkin saw success in sports playing Basketball from 1928 -1931 (Captain in 1930) and Tennis from 1928-1929 (Captain in 1930, winner of the College Tennis Tournament in 1931).

After graduating, Joseph Friedkin worked as a Civil Engineer with the International Boundary and Water Commission (IBWC) except for the time he served in the military during World War II until his retirement in 1986. He started at the IBWC Hydraulic Engineer conducting field studies on irrigation water used in Mexico as supplied by the Colorado River. This work was later used as the basis for allotment acreages in the 1944 Water Treaty between the United States and Mexico.

During World War II Joseph Friedkin entered the Army in 1942 as a 2nd Lieutenant; Mr. Friedkin worked at the Vicksburg Office of the Army's Corp of Engineers facility performing analytical work and managing projects that stabilized the Lower Mississippi river. He was discharged as a Major in 1946.

Upon returning to El Paso after the war he was assigned the task of planning and supervising implementation of the 1944 Water Treaty. In 1962 Mr. Friedkin was appointed to the position of Commissioner of the International Boundary and Water Commission by President Kennedy. As the Commissioner of the IBWC Mr. Friedkin was the driving force behind the successful settlement of the Chamizal Issue, solving the salinity problem of the Lower Colorado River (to the satisfaction of both Mexico and the United States). In addition, he was instrumental in guiding the IBWC through issues such as the Tijuana Flood Control and Sewage Treatment Problem, the Nogales Sewage Treatment problem, and the Lower Rio Grande Flood Control Problem. After the resolution of the Chamizal Issue President Lyndon B. Johnson raised his position from Commissioner to Ambassador.

Mr. Friedkin retired from the IBWC in 1986. He passed away in 2008 at the age of 98.

Series Description or Arrangement

The Friedkin Papers are kept mainly in their original order. In order to facilitate the use of the collection by researchers, collection materials have been placed into archival quality acid-free folders. These folders have been titled with the original folder titles or report names as they were available on original folders. Where original folder titles did

not exist, UTEP Special Collections staff have titled folders based on the subject or material type of the documents they hold. Folders titled by staff are indicated with the titles being held in brackets (Ex. [Folder Title])

The Friedkin collection consists of Eleven (11) total boxes. Eight (8) (Boxes 1-8) of these are standard Hollinger Record Boxes, one (1) (Box 9) is a Legal sized Hollinger document box, and two (2) (Boxes 10-11) are Hollinger Oversized boxes.

There are no damage or preservation concerns at this time.

Scope and Content Notes

This collection contains materials pertaining to Joseph Friedkin's career working with the International Boundary and water Commission.

Of particular importance (and prevalence within the collection) are materials relating to the research, negotiations, and arrangements of the Chamizal Issue.

Other large portions of the collection are dedicated to the Salinity of the Colorado River (Colorado River Basin), and flood control in the Lower Rio Grande Valley of Texas.

Material types in this collection include Maps, Charts, Documents, Manuscripts, Notes, Reports, Government Reports, Photographs, and Memorabilia

Notes found in the collection inventory have been adapted from an incomplete preliminary inventory.

Provenance Statement

This collection was gifted to the UTEP Special Collections by Jonell Friedkin Monschke on February 28, 2008.

Restrictions

None

Literary Rights Statement

Permission to publish material from the [title], must be obtained from the C. L. Sonnichsen Special Collections Department, the University of Texas at El Paso Library. Citation should read, [title], C. L. Sonnichsen Special Collections Department, the University of Texas at El Paso Library.

Container List

Box 1

Box	Folder	Title	Year	Notes
1	1	[Water Rights and Canal Extension]	1989, 1988	Ten Separate Documents: 1. El Paso Times Article "Federal Judge won't hear fight over NM water" (Feb 1, 1989) 2. Letter to Johnny Stubs concerning issues with American Canal Extension (Jun 2, 1988) 3. Copy of Appendix 6 of Convention of 1906 between U.S. and Mexico 4. Draft Bill of Extension of American Canal, 3 pages (Undated) 5. Jonathan Rogers letter to Ronald Coleman concerning American Canal extension 6. Letter about El Paso County Water Improvement District (May 4, 1988) 7. Letter to Jonathan Rogers from Narendra N. Gunaji (Commissioner of the United States Section of the International Boundary and water Commission) (May 10, 1988) 8. Letter to Mayor Rodgers from P.M. Schenkkan "Damage from Proposed <i>American Canal</i> " (Mar. 29, 1988) 9. Letter John Hickerson to Edd Fifer (EPC Water Improvement District) (Jan 7, 1988) 10. Letter Roger Patterson (US Dept. of Interior Bureau of Reclamation) to John Hickerson (Dec. 26, 1984)
1	2	[Correspondence: Letters of Recommendation & Congratulations]	1973, 1990, 1992, 1993, 1994, 1995, 1996, 1998	Numerous letters of congratulations and recommendations of a personal nature
1	3	["Stopping Toxic Dumping on the U.S Mexico Border"]	1996	Stopping Toxic Dumping on the U.S. Mexico Border, manuscript by Linda Lynch
1	4	[Correspondence: On the challenge to Friedkin remaining in Commissioner Position]	1973, 1990, 2001	Also: UTEP 2001 Commission, UTEP faculty/staff recommendations for Rotary Club 1990
1	5	Intercity Group	1996, 1989, 1988, 1993	1. 1993 Roster of Intercity Group 2. Copy of Bill H.R. 1679 "Establishment of US Mexico Border Regional Commission" 3. Copy of Article Doing Business in Mexico 4. Intercity Group Statement of Objectives 5. Important Contacts (1988) 6. Intercity Group Membership Card (Friedkin)

1	6	Pan American Engineering Award- 1980	1980	1. Draft of award letter to JFF to be published in Dept. of State Newsletter 2. Copy of Newspaper Article about Friedkin's award from the Pan American Union 3. Congratulatory letter from J. Peak of UTEP 4. Certificate of Appreciation from Pan American Association
1	7	Presidential Rank Award -1980	1980	
1	8	State Dept. Award- July -1986	1986	Correspondence, copies of newspaper articles and 8.5 x 11 photographs of JFF award and ceremony for "Department of State's Distinguished Service Award"
1	9	[Military Records]	1942-1946, Undated	Military Records, Honorable Discharge Certificate, Army Reserves reports and paperwork
1	10	Prof. Engineer-Reg. & Memberships	1991-1996	Copies of State Engineers licenses and fee receipts
1	11	Resumes	1969, 1994, 1986, 1989	Numerous copies of JFF Resume including both a summary, 1 page summary and multi paged chronological listing, supporting data for JFF's Nomination for "The Top Ten Public Works Men of the Year Award" 1969
1	12	IBWC-Misc-Charts	1976, 1982, 1977, 1980, 1990, 1983	1. Graph of Rio Grande Maximum peak discharge rates, cfs vs date 1930 -1935 2. Colored map with location of Projects done by IBWC up to 1982, 3 copies and 2 copies of same chart dated 1977 3. Colored map of Flood Control Works and Irrigation Developments, Lake Falcon to Gulf of Mexico 1980, 2 copies 4. Chart of "Total Appropriation for U.S. Part of IBWC Works in Millions of dollars" from 1930 to 1990 5. Map of Status of Construction Projects by IBWC 1983
1	13	[J. Friedkin Commentary: Does the Past Record of Action Provide a Guide to the Future?]	1993	JFF Commentary for Natural Resources Journal of the New Mexico School of Law, "Does the Past Record of Action Provide a Guide to the Future"
1	14	[Chamizal Commemorative Silver Medal Info]	1964	Cover Sheet for the "Chamizal Commemorative Silver Medal" signed by Lyndon Johnson on White House Letterhead
1	15	Improve Your Writing	1961-1975	Folder of various copies from magazines containing articles about improving your writing
1	16	[Correspondence: Personal/ Post	1986-1994	Personal Correspondence of JFF

		Retirement]		concerning many matters, engineering review of technical articles, letters of inquiry for job, etc. all dated after his retirement in 1986
1	17	[Maps, Charts, and Graphs]	1960, 1967, 1981, 1930, 1985, 1982	<p>1. Colored Map of Lower Rio Grande Valley, "Flood Control Works and Irrigation Developments", 11" x 27' published by IBWC 1960 2 copies 2. Colored Map of San Juan-Chama Project, "Colorado-New Mexico", 11" x 17", published by DOI, 1967 3. Colored Map of El Paso and Rio Grande Projects, "Canalizacion and Rectification Projects 11" x 54" published by IBWC 1981 4. Colored Map of Rio Grande El Paso Juarez Map, dated 1930, beautiful map showing land taken from Mexico and US during Rectification project 5. Graph of IBWC Completed Projects U.S. Section, 1930 - 1985, costs versus years 6. Colored Map of location and name of Projects of IBWC, 11" x 20", 1982, 6 copies</p>
1	18	Letter to Tipton & Kalmbach; Interim Report	1986	Detailed Study Performed by the Engineering firm Tipton and Kalmbach on the subject "Does the pumping in Mesilla and Rincon Valleys adversely affect the Rio Grande Project and Mexico."
1	19	[Rio Grande Flow Data, Elephant Butte, "Boundary Preservation Project", Rio Grande Project Area]	1989	<p>1. 30 pages of tables, charts, and plots, containing flow data for the Rio Grande below Elephant Butte, end of month inventory volumes at Elephant Butte Reservoir, and tables of irrigated farmland acreage year by year 2. 13-page paper on the "Boundary Preservation Project" 3. Condensed Map of Rio Grande Project Area</p>
1	20	1906 Treaty Amer. Canal Ext.	1988, 1987, 1989,	JFF's file of correspondence and his comments on Mexico's request to change diversion location and commingling locations from 1906 Treaty.
1	21	JFF IBWC Select Notes	1969, 1984, 1975, 1985, 1967, 1975, 1986, 1985, 1970	<p>1. Letter from Raymond Telles to Richard Nixon containing information on the activities of the United States Mexico Commission for Border and Friendship July 15, 1969 2. Letter JFF to Paul Storing of IBWC and George High concerning taking of land as per treaty of 1970 without compensation</p>

				<p>Nov/Sept 1984 3. Graph of Salinity of Colorado River Treaty waters made available to Mexico, average annual salinity PPM vs year 2copies 4. Colored Schematic "Colorado river basin, Salinity Control Project" January 1975 two copies 5. Graph of Reservoir Volume of Lake Powell at End of each month vs year, acre-ft vs year 1963 -1985 6. Paper presented at the International Conference on Water and Peace by David Herrera Jordan and Joseph Friedkin, 1967 7. Letter of complaint about Chamizal National Memorial from John T. Dreyfus Office of Mexican Affairs, September 15, 1975, 8. Transcript by Mr. B Bravo of Old Town and New Town of Zapata, a resident of who was there during the transition caused by Falcon dam 9. JFF Letter to Ambassador John Gavin concerning water diversion proportions and volumes March 6, 1986, 10. JFF Letter to Amb. John Gavin concerning expansion of International Water Treatment Plant at Nogales, Dec 24, 1985, 11. Draft of mem of understanding between EPA and US Section of the IBWC regarding functions of Sewage Treatment Plant in San Diego Calif 12. JFF Letter to Amb John Gavin concerning interpretation of Article 4 of 1970 Treaty</p>
1	22	El Paso vs. NM Pumping in Mesilla Valley-7/5/83	1983	IBWC Memorandum, dated July 5, 1983, "Effects of Pumping on 1906 Treaty Deliveries to Mexico", (effect from Rincon and Mesilla Valley Pumping to farmers), written by George Baumli to Thomas P. Wootton
1	23	Mesilla Valley Pumping	1985	Review of IBWC's memorandum "Rio Grande, Elephant Butte Dam to El Paso, Texas" by Dr. John Harshbarger
1	24	Rio Grande- Depletion- Mesilla Valley- Mar- May-1986	1983	"Table of Depletion Rates in Mesilla Valley," Outflow (acre feet) vs. year" 1955 to 1981
1	25	[IBWC]	1987	Correspondence and Brochures relating to a IBWC roundtable discussion entitled "The International Boundary and Water Commission: Challenge in Transition"

1	26	Mesilla Valley Pumping- 1984	1984	Water Delivered to Farms, Estimates of Pumpage, and Drain Flows, Rincon and Mesilla Valley, New Mexico and Texas, acre feet vs year (1951 - 1981), charts and graphs
1	27	[Memorandum on the Tijuana Sanitation Problem]	1986	"Confidential Memorandum on the Tijuana Sanitation Problem" prepared for the U.S. Ambassador to Mexico and Department of State by U.S. Section of IBWC
1	28	[Chamizal National Memorial management and development plan]	1986	General management plan and development concept plan for Chamizal National Memorial
1	29	IBWC-Minutes [1/3]	1958, 1964, 1985, 1986, 1973, 1979, 1980,	<p>1. Meeting Minute 206- Joint Operation and Maintenance of the Nogales International Sanitation Project, Jan 1958</p> <p>2. Meeting Minute 216-Operation and Maintenance of the International Plant for Treatment of Agua Prieta, Sonora and Douglas, Arizona Sewage March 18, 1964,</p> <p>3. Meeting Minute 220-Improvement and Expansion of the International Plant for Treatment of Agua Prieta, Sonora and Douglas, Arizona Sewage July 16, 1985,</p> <p>4. Meeting Minute 227- Enlargement of the International Facilities for the Treatment of Nogales, Arizona, and Agua Prieta, Sonora, Sewage Treatment Sept 5, 1986,</p> <p>5. Meeting Minute 242- Permanent and Definitive Solution to the International Problem of Salinity of the Colorado River Aug 30, 1973,</p> <p>6. Meeting Minute 261- Recommendations for the Solution of Border Sanitation Problems Sept 24 1979</p> <p>7. Meeting Minute 264- Recommendations for the Solution of New River Border Sanitation Problem at Calexico, California -- Mexicali, Baja California Norte August 26, 1980,</p> <p>8. Meeting Minute 270- Recommendations for the First Stage Treatment and Disposal Facilities for the Solution of the Border Sanitation Problem at San Diego, California- Tijuana, Baja California April 30, 1985,</p> <p>9. Meeting Minute 271-Markers Installed on the International Boundary Sept 9, 1986,</p> <p>10. Meeting Minute 272-Installation of Monument 13—R Oct 24 1986</p> <p>11.Meeting</p>

			<p>Minute 273-Recommendations for the solution of the Border Sanitation Problem at Naco Arizona--Naco, Sonora March 19 1987 12. Meeting Minute 274-Joint Project for Improvement of the Quality of the Waters of the New River at Calexico, California-- Mexicali, Baja California April 15 1987 13. Meeting Minute 275- Demarcation of the International Boundary and Monument of the New International Bridges Over the Rio Grande between Del Rio, Texas, and Cd Acuna, Coahuila and between Hidalgo,, Texas and Reynosa Tamaulipas November 1987 14. Meeting Minute 276-Conveyance, Treatment and Disposal of Sewage from Nogales, Arizona and Nogales, Sonora Exceeding the Capacities Allotted to the United States and Mexico at the Nogales International Sewage Treatment Plant Under Minute no 227 July 26, 1986, 15. Meeting Minute 277-Location, Permanency and Visibility of International Monument No. 123-A Aug 29 1988 16. Meeting Minute 278- Delineation of the International Boundary on Aerial Photographic Mosaics of the Rio Grande March 31 1989 17. Meeting Minute 279-Joint Measures to Improve the Quality of the Waters of the Rio Grande at Laredo Texas/Nuevo Laredo, Tamaulipas Aug 28 1989 18. Meeting Minute 283-Conceptual Plan for the International Solution to the Border Sanitation Problem in San Diego, California/Tijuana Baja California July 20 1990 19. Department of State Press Release 313 "United States and Mexico Agree to Cooperate in the Solutions of Environmental Problems in Border Area 19. Blueprint (drawing) "Del Rio -- Cd Acuna International Bridge-- Location of International Boundary Line" Jan 1987 20. Blueprint (drawing) "Nuevo Laredo Sanitation Construction Schedule" July 1989 21. Blueprint (drawing) "Present Sanitary Conditions at Laredo--Nuevo Laredo" July 1989 22. Blueprint (drawing) "Proposed</p>
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				Sanitary Works" July 1989
1	30	IBWC-Minutes [2/3]	1958, 1964, 1985, 1986, 1973, 1979, 1980,	
1	31	IBWC-Minutes [3/3]	1958, 1964, 1985, 1986, 1973, 1979, 1980,	
1	32	[George Sabol: Consulting for Water Issues]	1986	Letter to JFF from George Sabol concerning consulting for Water Issues
1	33	Surface Water Availability: Lower Rio Grande	1992	Report on Surface Water Availability: Lower Rio Grande (Extraordinary amount of flow data at numerous gauging stations downstream of Falcon Reservoir tabulated from years 1960 to 1989, month by month)
1	34	[Interim Report on Depletions of the Rio Grande Between Leasburg Dam and the El Paso Narrows Due to Groundwater Pumping]	1986	Interim Report on Depletions of the Rio Grande between Leasburg Dam and El Paso Narrows due to Groundwater Pumping
1	35	[Historical Flow Data]	1985	1. End of month volume for Elephant Butte and Caballo (million-acre feet vs year (1915-1984)) 2. Flow Rio Grande below Caballo 1920 - 1984 3. Flow Rio Grande above Leasburg 1920 - 1984 4. Flow of Rio Grande at El Paso 1920 - 1984 Plots of the above data in various forms with regression analysis
1	36	Treaties. Minutes- Legislation-IBWC [1/	1963, 1944, 1930, 1972, 1980, 1970, 1979, 1986	1. Boundary: Solution to the Problem of the Chamizal (1963) 2. Boundary Waters: Sanitation Problems- New River (1980) 3. Treaty to Resolve Pending Boundary Differences and Maintain the Rio Grande and Colorado River as the International Boundary (1970) (2 Copies) 4. Border Sanitation Problems (1979) 5. Treaty to Resolve Pending Boundary Differences and Maintain the Rio Grande and Colorado River as the International Boundary [with Exchange of Notes Dec. 1970] 6. Water Resources Development Act of 1986 7. Treaty with Mexico Relating to the Utilization of the Waters of Certain Rivers [Message from the President of the United States] 8. Report of the American Section of the

				International Water Commission United States and Mexico [Message from the President of the United States] 9. Public Law 92.-434 92nd Congress, H.R. 15577 September 16, 1972 [To give the consent of Congress to the construction of certain international bridges and for other purposes
1	37	Treaties. Minutes- Legislation-IBWC [2/	1944, 1936 (copy), 1984, 1985, 1970	1. Utilization of Waters of the Colorado and Tijuana Rivers and of the Rio Grande (1944) 2. Public no. 648 74th Congress, H.R. 11768 (1936) 3. Public Law 98-396- AUG. 22, 1984, 4. Public Law 99-88-Aug. 15, 1985, 4. Public Law 99-88- Aug 15, 1985, 5. Treaty to Resolve Pending Boundary Differences and maintain the Rio Grande and Colorado River as the International Boundary (1970)
1	38	Treaties. Minutes- Legislation-IBWC [3/3]	1973, 1984, 1983, 1974, 1936, 1953, 1966, 1935, 1985	1. Laws Applicable to the IBWC 2. Public Law 98-396 [H.R. 6040] 3. Public Law 98-63 4. Public Law 93-320 5. Agreement Between the United States of America and the United Mexican States on Cooperation for the Protection and Improvement of the Environment in the Border Area 6. Authorizing construction, operation, and maintenance of Rio Grande canalization project and authorizing appropriation for that purpose 7. Public Law 150 8. Public Law 89-584 9. Amendment to "An Act providing for a study regarding the equitable use of the waters of the Rio Grande" 10. Report no. 99-189
1	39	Status of Conveying Capacity of the Lower Rio Grande Valley Flood Control Project	1992	1. Colored map of the Lower Rio Grande Flood Control Project 24" x 36" 2. Numerous Colored Photographs 3. Detailed Schematic of Lower Rio Grande Flood control Project
1	40	Depletions of the Rio Grande Upstream of the El Paso Narrows Due to Groundwater Pumping	1986	(Tremendous amount of depletion data for Mesilla Valley on year-by-year basis from 1921 to 1985)
1	41	IBWC-Sanitation-San Diego- Bay	1995, 1996	1 report - South Bay Ocean Outfall dated December 1996 3 report -South Bay International Wastewater Treatment Plant Dec 1995/Oct 1996/Dec 1996

1	42	El Paso Juarez Boundary Problem Data Book [1/2]	1930-1993	1. President communique 2. Maps 3. Background of the Chamizal Issue 4. Areas
1	43	El Paso Juarez Boundary Problem Data Book [2/2]	1930-1993	5. Estimates of acreage and housing costs for reimbursement 6. Bridges 7. Detailed writeup of Cordova Island Issue 8. Interest of Texas Citizenship
1	44	[Memorandum on Current and Pending Issues with Mexico]	1986	"Status and Suggested Actions as of May 9, 1986"
1	45	Border Environmental Issues	1986	"Proposed Paper for an Environmental Issues 1986 Inter Parliamentary Conference"
1	46	Border Statistics: United States/Mexico	1982	
1	47	[Memorandum of Understanding as to Functions and Jurisdiction of Agencies of the United States...]	1945 (Copy)	Memorandum of Understanding as to Functions and Jurisdiction of Agencies of the United States in Relation to the Colorado and Tijuana Rivers and the Rio Grande Below Fort Quitman, Texas Under Water Treaty Signed at Washington February 3, 1944, signed by Harry Truman June 18 1945
1	48	Commissioner's Speeches and Presentations CHAMIZAL (1968-) Also selected speeches 1965, 1966, 1967	1965, 1966, 1967, 1968	Copies of Texts of Numerous Speeches and Presentations by JFF, 1965 – 1968 including his speech at the Commemoration of the Bicentennial of the Constitution of the United States
1	49	Friedkin, Joseph F. -Personal Records & Awards- With IBWC- Miscellaneous Left Side OPF Excess	1977, 1986,	Personal Papers e.g. awards, notes, certificates of appreciation, news clipping all of a miscellaneous personal issue
1	50	The Chamizal- T. R. Martins Draft	1983	Long writeup entitled "The Chamizal" by Bob Ybarra and T.R. Martins (this dissertation is a working manuscript heavily marked up)
1	51	[Boundary Marker Vol. 1 No.1]	1992	

Box 2

Box	Folder	Title	Year	Notes
2	1	Colorado R. Profile Notes	1987	Notes for longitudinal profile of the 1909 Channel of Colorado river profile from Yuma to sea table of values with accompanying hand plot, all data entered by hand, 11" x 34"
2	2	Colo. R. Delta Anticipated Issue for Meeting with Sen Bingaman 8/30/85	1985	Notes for Meeting with Senator Bingaman concerning the Colorado river. Problem was the recharging of pumped zones by Colorado river.

2	3	For DOJ U.S. Court of Claims Lower Colo. River Claims & Responses 1986-87	1986-1987	Details of a lawsuit between Aldon Biggs and US government concerning Operation of Hoover Dam
2	4	Unapportioned waters- State Dept. & Trs Comments	1982	Preliminary Reports and Comments on Reports, and memorandum concerning the Unapportioned waters for underground water basins straddling California, Arizona, Texas, New Mexico, and Mexico
2	5	Unapportioned Waters- Legal Advice Dept. of State	1977-1982	Unapportioned waters, legal advice, from Lawyers at Department of State
2	6	Unapportioned Waters-Maps	1982	Colored Map of Trans Boundary Water Resources Arizona Sonora Boundary (2 copies), 11" x 27"
2	7	Interstate Water Compacts and their Relation to Basin Development	1951	Article: Interstate Water Compacts and Their Relation to Basin Development
2	8	The City of El Paso, by and through its Public Service Board	1987, 1988	Series of letter between JF and Steve Reynolds State Engineer of New Mexico concerning lawsuit between City of El Paso and Elephant Butte Irrigation District
2	9	Preliminary Memorandum on Values of Irrigation Supply with Particular Reference to the Lower Colorado River	1940, 1937	1. Preliminary memorandum on values of irrigation supply with particular reference to Lower Colorado River by C.M. Ainsworth 1940 2. What is the Value of An Acre Foot of Irrigation Water by R.G. Hosea 1937 3. Table of "Irrigated Acreages and Values of the Lower Colorado" by C.M. Ainsworth 1940
2	10	Color R. Salinity- Papers	1966-1973	Colorado River Salinity Project numerous papers by others
2	11	Book 3-B Technical Data on Use of Saline Waters- Technical Papers and Bulletins	1974, 1973, 1972, 1971, 1966, 1970, 1963, 1965, 1969, 1964, 1962	Technical Data on Use of Saline Waters, Technical Papers and Bulletins
2	12	Colorado River Salinity Reports to Committee of Fourteen [1/2]	1962-1973	(This folder goes into some detail concerning the Colorado River Salinity problems with flows, concentrations, charts, on a year-by-year basis from 1965 to 1972)
2	13	Colorado River Salinity Reports to Committee of Fourteen [2/2]	1962-1973	(This folder goes into some detail concerning the Colorado River Salinity problems with flows, concentrations, charts, on a year-by-year basis from 1965 to 1972)
2	14	Colo. R. Salinity-Agreements & Related	1973	1. English Text Minute 218,241, 242,

		Papers		248, 261 2. Fact Sheet from White House for "The Colorado River Salinity Agreement with Mexico" (two copies): 3. Minutes of Press Conference Ambassador Herbert Brownell Aug 30 1973 Description 4. Confidential: Memo from McGeorge Bundy to Secretary of State 5. Transcript of Foreign Secretary Rabasa's Press Conference August 30, 1973 6. Department of the Interior News Release 7. The Agreement for a permanent and definitive solution to the Colorado River Salinity Problem with Mexico 8. Department of State Bulletin: United States and Mexico Reach Agreement on Colorado River Salinity Problem 9. Report of the President's Special Representative by Herbert Brownell
2	15	Colo R. Salinity- Desalting Plant & Salinity Control	1983-1987	Colorado River Salinity Problem, (general papers on problem) Desalting Plant papers, salinity control
2	16	Colorado River- California-Arizona Controversy	1948-1956	1. California Arizona Controversy concerning allocation of Colorado River 2. Copy of from Magazine Article called "Muddy Water" describes controversy 3. Slick Printed Sheet itemizing cost to each state for "Central Arizona Project" by Milton Saunders 4. Slick Printed Brochure with illustrations and text describing controversy published by Colorado River Association 5. Brochure with brilliant illustrated map of California Project 7" x 8" published by Colorado River Association 6. Table of Orders and Diversions of Colorado River below Hoover Dam, year of 1956, 11 different areas, month by month, volumes in acre-ft published by Colorado River Association 7. Source of Water Arriving in Limitrophe Section of Colorado River, 1955 - 1956, month by month acre feet 8. Brochure California and the Colorado River, different than the above one 1949 published by Colorado River Association
2	17	Colorado River, American West, Salinity	1944, 1975	1. The Politics of Salt: Background and Implications of Mex-USA Treaty of 1944 by Institute of Government

				Research U of Arizona 2. Small Brochure on Colorado River 3. Water and the American West - Essays in Honor of Raphael J. Moses 1975
2	18	Book 5 Salt Balance Water Balance	1964-1971	Salt Balance Colorado River, Table after table of data, tabulated as year, area, volume flow, salt concentrations in ppm,
2	19	Book 3-A Technical Data on use of Saline Waters Correspondence	1962-1973	Technical Data on Use of Saline Waters
2	20	[Colorado River Project: Effect on Various States]	1969	1. Colorado River Basin Project Act As It Affects New Mexico by S.E. Reynolds 1969 2. Description of California Arizona Controversy by government agency (1st page missing) 3. Christian Science Monitor Article: "How to Augment water of the Colorado River to serve the west" by Kimmis Hendrick 1969 4. El Paso Times Article "Spanish Treasure Controversy Rages" by E. Stromberger 1969 5. El Paso Herald Post Article: "Texas Water Plan Opposition Poses Questions Centering on Feasibility" by Wayne McClintock 1969
2	21	[J. Friedkin Remarks to El Paso Chamber of Commerce]	1968	Remarks by Joseph Friedkin at EP Chamber of Commerce Testimonial Dinner
2	22	Preliminary Estimate of Average Minimum Winter Flow of Colorado River to Mexico	1965	Estimate of Average Minimum Winter Flow of Colorado River (Imperial Dam to the delta) to Mexico (excluding Wellton Mohawk Drainage Waters). Includes colored map of system.
2	23	Book 7-B Mexico's Well Program- San Luis, Sonora Technical Reports 1972-1973	1972, 1873	1. Mexico's Well Program - San Luis, Sonora, 1972 to 1973 2. Hand sketch of Colorado River Flow Hoover Dam to All American Canal Takeoff 3. List of Contractors (Water Districts) in California as part of "Seven Party Agreement" 1931 4. Historical Hydrograph of Great Salt Lake (Lake Elevation vs year (1950 - 2000)) 5. Status of Yuma Desalting Plant 3/5/85 6. "Commissioner's Memo to Department: Report on Phoenix Joint Meeting--Yuma Groundwater" Dec 13 1972 7. A Review of Technical Findings on studies relating groundwater around Yuma Dec 12 1972 8. Underground Flows, U.S. to Mexico -- in Lower Colorado River

				Basin Dec 11 1972
2	24	The Solution of the International Problem with Mexico Relating to the Salinity of the Colorado River	1974	A manuscript of Paper presented to Engineers International Joint Conference: "The Solution of the International Problem with Mexico Relating to Salinity of Colorado River"
2	25	Colo R. Salinity-Legislation	1974, 1980, 1977	1. Copy of Public Law 93-320 "Programs Downstream of Imperial Dam" 2. Copy of Public Law 96-336 to increase appropriations of ceiling for Title I Col. River Basin Salinity 3. "Draft Copy of an Amendment to the Colorado River Basin Salinity Control Act"
2	26	[Drainage Well Pumping- Yuma & Gila Valleys]	1963	Letter Report from US Dept of Interior on Drainage Well Pumping: Yuma and South Gila Valleys (Contains a nice set of hand plotted graphs of salinity in Welton Mohawk effluent vs year)
2	27	Colo. Salinity- Misc. Notes	1964, 1986	1.3 Sets of memoranda concerning Salt balance calcs for Welton Mohawk draining 1964 2. Brochure describing Colorado River Salinity Problem by GPO 1986
2	28	Book 2-B Technical Data Colorado River Salinity	1970	Technical Data Book, Colorado River Salinity Problem 1970
2	29	Colo. River- Taymond Hill's Paper on Deficits	1954	"Colorado River Deficits" A Paper Presented at a Meeting of the Sacramento Section, ASCE, Dec 7, 1954
2	30	[Wellton Mohawk Canal Salinity]	1965	1. Proposed confidential minute to salinity drainage of Wellton Mohawk canal 1965 2. Copy of Magazine Article "Water Crisis in West" includes interview with Del Gardner
2	31	Views of the State of California on Major Weather Issues that should receive the attention of the national water commission	1969	
2	32	[Correspondence: L.M. Lawson to Friedkin-Mexicali Valley Irrigation]	1942	Letter from L.M. Lawson Commissioner of IBWC to Lt. Friedkin
2	33	[Future Water Supply Requirements and Availability- So. California]	1950	Future Water Supply Requirements and Availability by Clay C. Elder, Hydrographic Engineer
2	34	[Yuma Project, Colorado Basin, Colorado River]	1953, 1983	1. Civil Engineering Magazine 1983 2. Meeting Minutes: Regarding Drainage 3. Problems of the Yuma Project, May 1953 4. 16th Annual Report Operation Colorado River Basin 5. Paper on Energy of the Colorado River
2	35	[The Role of the Colorado River]	1977	Brochure: "The Role of the Colorado River" published by Colorado River Association

2	36	[Grand Tour: Colorado River Aqueduct]	1977	Brochure: "Grand Tour Colorado River Aqueduct" published by the Metropolitan Water District of Southern California
2	37	[Correspondence: "Jim" to J. Friedkin]	1953	
2	38	[Correspondence: Tipton & Kalmbach-Water Supplies- Colorado River]	1965	Letters from Tipton and Kalmbach concerning water supplies Colorado River

Box 3

Box	Folder	Title	Year	Notes
3	1	[The Colorado River in its Delta Before and After the Dams]	1966-1997	Working manuscript of a paper by JF entitled: The Colorado River in its Delta Before and After the Dams
3	2	29th Annual Report and 2000 Annual Operating Plan for Colorado River System Reservoirs	2000	
3	3	Colo R. Discharges	1995, 1996	Notebook full of tabulated calculations and copied tabulated data from various textbooks
3	4	Colorado River Photos 1948	1948	19, 8.5x11 black and white photographs of the Colorado River (Includes 2 photographs of the Colorado River Delta)
3	5	Colorado River Delta- Tidal Bar	1979	1. Analysis of Colorado River "tidal bar" 2. Colorado River Bottom profile analysis of overflow 3. Colored satellite photographs of discharge of Colorado River to Gulf of Calif.
3	6	Colorado River Delta Wetlands- Environmental Defense Fund Meeting- El Paso Nov 5, 1996	1996	Data, meeting minutes, reports, on Colorado River Delta Restoration
3	7	Colorado River- Select Papers		1. Smithsonian Article by David Sheridan 2. The Colorado: "An engineering wonder without enough water" 3. US News and World Report Article
3	8	Colorado River Lining- Acc. American Canal	1986	Preliminary Report: "The Anticipated Issue with Mexico over the rights to groundwater in the Colorado River"
3	9	Yuma Navigation Channel	1973	Yuma Navigation Channel (Letter from Barry Goldwater describing the channel from Gulf of California to Yuma, Arizona)
3	10	Book 2-A Technical Data Colorado River Salinity 1970	1970	Technical Data: Colorado River Salinity
3	11	Appendices to A technical Report on the Increase in Salinity of Colorado River Water Delivered to Mexico, September 10, 1963	1963	
3	12	[Landsat MSS Order Form]	1989-1991	

3	13	[Profile of Colorado River Bottom from Yuma to Discharge in Gulf of California]	1983	
3	14	Photos/ 1949 Trip	1949-1983	1. Old Photographs two sets one colored, the other black and white 2. Map of Lower Colorado River from Palo Verde to Mouth
3	15	Photos- Colorado R.	1929, 1930, 1931, 1932	Photographs of Rio Hardy, Laguna Salada, and Delta of Colorado
3	16	U.S.G.S [U.S. Geological Survey]	1990	List of US Geological Survey maps and Satellite photos needs in for his work in Gasser v. US.
3	17	Univ. of Colo. R. Moses Paper	1987	JFF notes on Colorado River Development
3	18	Colorado R. Salinity Control	1983	Bureau of Reclamation Publication on Colorado River Salinity
3	19	[1944 Treaty: Utilization of waters of the Colorado and Tijuana Rivers and of the Rio Grande]	1946	Copy of 1944 Treaty between the United States and Mexico
3	20	[The Colorado River Delta]	1937	
3	21	[Aerial Colorado River to Gulf of California]	1991	Aerial Colorado River Imperial Dam to Gulf of California Santa Clara 5-1-91
3	22	[Colorado River 1989]	1989	Photographs at Mouth of Hardy River Branch of Colorado
3	23	[Lower Colorado River Water Supply- Its Magnitude and Distribution]	1969	Geological Survey Professional Paper
3	24	[Lower California Studies. IV the Natural Landscape of the Colorado Delta]	1932	
3	25	Colorado River Delta Study, Notes & Correspondence	1941-1979, 1988, 1989	Numerous letters and correspondence on salinity problem of Colorado, letters by JF written in Spanish in his handwriting, letter to Rep Kazen on salinity problem of Colorado
3	26	Colorado River Basin Salinity Control Project	1985	Background, Plan, and Status Report, Colorado River basin Salinity Project
3	27	Tide Effects	1950	1. San Diego Newspaper Article about tidal bores on the Colorado River 2, ASCE Paper: Tidal Effects at Mouth of the Colorado River
3	28	Book 1 Technical Data Colorado River Salinity	1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969	
3	29	Sediments Colorado R.	1914-1991	Tabulated data year by year on suspended silt in Colorado river some calculations by JFF using data at Yuma gauging station
3	30	Climatological Data	1979	Information bulletin concerning National Oceanic and Atmospheric Administration

3	31	Colorado River Storage Works	1996	Colorado River Storage Data Tabulated Data Volumes of all reservoirs along Colorado River Months of Jan 96, Oct 95 with some notes by JFF
3	32	Irrigated Acreage Imperial Valley- Mexicali Valley	1993, 1924-1937, 1910-1990	Irrigated Acreage data Imperial Valley and Mexicali Valley. Two charts in Spanish showing total irrigation water volumes year by year
3	33	Case Study: Development impacts on Ground-Water Levels and Quality, Mexicali Valley, Mexico	1982	Technical Paper on Groundwater of Mexicali Valley
3	34	Colorado River Salinity- Reports to the Secretary of State	1973	"The Agreement for a Permanent and Definitive Solution to the Colorado River Salinity Problem with Mexico", and interim reports, charts, calculations, and correspondence all organized chronologically
3	35	Basic Conference Guidelines-Presentation of ASCE Papers	1990	Pamphlet on Ives Expedition and Written Article Guidelines for ASCE Paper
3	36	Colo River References	1940-1990	<p>1. 2-page memorandum on apportionment of waters of the seven states of Colorado River 2. Pamphlet of Imperial Irrigation District dated 1971 3. Pamphlet Lower Colorado River Reclamation 1974 4. Bureau of Reclamation Bulletin "Major Irrigation Developments Region 3" 1951 5. Dept of Agriculture Study "Drainage in Imperial Valley 10 year Summary , 1954 6. 15 loose sheets of Sedimentation reports available through DOI 7. Technical Publication by GPO on "Colorado River Basin Project" 1983 8. Technical Publication by GPO on Colorado River Project Travis and Burnet Counties" 1982 9. Pamphlet by Colorado River Association 1948 10. Profile of the Imperial Irrigation District, 1948 11. Proceedings ASCE "Mechanics of Streams with Movable Beds of Fine Sand" 1955 12. Copy of Article "River and Tide Effects" Lower Colorado River by L. Lawson 1950 13. Pamphlet by Colorado River Resources Coalition on 1990 Development Report 14. Copies of 2 Newspaper Articles, San Diego Tribune Drought ends 1992 and "Yuma no stranger to flooding 1992" 15. Publication by the Tinker</p>

				Foundation 3. Operating Plan for the Lower Colorado Region for 1992
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Box 4

Box	Folder	Title	Year	Notes
4	1	[Amistad Dam & Reservoir Project]		Project Booklet: "Amistad Dam Brochure containing exact configuration, dimensions, arrangement of various structures and maps
4	2	[Joseph Friedkin Retirement]	1986	Congressional Record Excerpt (Speech by Kika De La Garza on J. Friedkin Retirement)
4	3	[Boundary and Water: Mexico- U.S. Alliance]	1967, 1963, 1989, 1962, 1950	<i>Emerging Boundary Environmental Challenges and Institutional Issues: Mexico and the United States, Transboundary Groundwaters: The Bellagio Draft Treaty, Policies Standards, and Procedures in the Formulation, Evaluation, and Review of Plans for use and Development of water and Related Land Resources, Engineering News-Records: Herrera and Friedkin engineer Mexico-U.S. brand of water for peace, A special case of consumptive use of irrigation water in the Rio Grande Basin</i>
4	4	[New Year's Report 1963]	1963	Friedkin's first internal report to staff on becoming commissioner
4	5	[Water loss prevention: Concrete lined ditch on U.S side of river]	1950-1964	Manilla folder concerning the construction of a concrete lined ditch on American side of river to prevent excessive losses
4	6	Phase I Inspection Report: Alamo Arroyo WS Site No.3	1979	Inspection Report of Alamo Arroyo Floodwater Retarding Dam near Fort Hancock
4	7	1957 Restatement of Principles of a Sound National Water Policy	1957	From Engineer's Joint Council
4	8	Development of the Rio Grande Compact of 1938	1968	Raymond Hill's Affidavit from the lawsuit between Texas and Colorado concerning Rio Grande Compact
4	9	[Regional Analysis: Harlingen-Mercedes]	1968	IBWC Report on the impact of flooding in the Harlingen-Mercedes area after 1967 Beulah Flood
4	10	[Annual Flood Damage: Lower Rio Grande Valley]	1967	IBWC Report estimating Damages from 1967 Beulah Flood from Peñitas to mouth of Rio Grande
4	11	[Flood Volumes: Amistad Dam Spillway to Falcon Reservoir]	1978	Design Criteria, Technical Data for the flood volumes of the Amistad Dam Spillway routed to Falcon Reservoir (Also: Pages copied from a textbook on Streamflow routing.)

4	12	[Water Resources: El Paso County]	1973	Prepared by Rio Grande Project for Texas Water Development Board
4	13	[River Budget: Rio Grande at El Paso Juarez]	1984	Rio Grande Water budget at El Paso Juarez: Draft Article for Journal of Arid Environments
4	14	[Texas Water Plan El Paso Water Committee]	1966, 1967	
4	15	[The Juarez Valley of Mexico: Master's Thesis]	1962	Southern Methodist University student: Barbara Bowie "Excellent Drawing of the Rio Grande Rectification Project"
4	16	[Control of the Rio Grande]	1956, 1974	1. Reprint of Raymond Hill article in Natural Resources Journal <i>Development of Rio Grande Compact of 1938</i> 2. 2 Copies of Article by J.C. Bustamante and J.F. Friedkin in the <i>Journal of Waterways and Harbors</i> Control of Rio Grande by United States and Mexico 3. History and Background of the International Boundary and Water Commission United States and Mexico
4	17	[Lake Levels: Great Basin & Retamal Dam Diversion]	1971	
4	18	[Friedkin & David Jordan: 1967: Del Rio Texas]	1967	
4	19	[Falcon Dam & Power Plant]	1964	Map and Brochure about Falcon Dam and Power Plant
4	20	R.A. Hill Special Studies	1968	Letter from Raymond Hill to Joseph Friedkin, analyzing the effect of holding an inviolate volume in Elephant Butte Reservoir
4	21	[Water Resources El Paso County, Tx Past, Present, and Future]	1950	By James Kirby
4	22	[Precipitation Estimates West of the 105th Meridian]	1960	U.S. Department of Commerce Weather Bureau: "Generalized Estimates of Probable ' Maximum Precipitation for the United States West of the 105th Meridian"
4	23	[Drainage Design]	1956	U.S. Department of Commerce Weather Bureau: "Rainfall Intensities for Local Drainage Design in Western United States"
4	24	[Transboundary Groundwaters: The Bellagio Draft Treaty]	1990	
4	25	[Pending Boundary Differences]	1970	Copy of "Treaty to Resolve Pending Boundary Differences and Maintain the Rio Grande and Colorado River as the International Boundary"
4	26	[Commentary on Border Waters Article]	1993	J. Friedkin comments on Natural Resources Journal Article on Boundary Waters
4	27	Water Supply Alternatives for El Paso	1981	

4	28	[Changing Canada-United States Boundary Relations...]	1991	Changing Canada-United States Boundary Relations and the International Joint Commission
4	29	[Report on Rains: Las Cruces & Vicinity]	1950	Report of the rains of August 29-30, 1935, in Las Cruces Area (Excellent Contour Map of Showing areas of 8", 7", and 6" deluge in Las Cruces Area
4	30	Water International	1983	Journal of Waters International, general reference to border waters
4	31	[Hydrologic information, Ground- Water Studies: El Paso]	1983	U.S. Geological Survey "Summary of Hydrologic Information I the El Paso, Texas Area with Emphasis on Ground Water Studies, 1903-1980"
4	32	[El Paso water Resource Projects 1973]	1973	El Paso Water resource projects 1973 and alternatives including American Canal Extension
4	33	[International Aquifer Management...]	1978	Natural Resources Journal Vol 28. 1978, International Aquifer Management, the Hueco Bolson on the Rio Grande River
4	34	Urban Water Management of an International River: The Case of El Paso-Juarez	1975	
4	35	Municipal Use of Surface Water		
4	36	[Groundwater Pumping in New Mexico]	1983	1. Legal Opinion of pumping Ground waters in New Mexico for use by the City of El Paso by IBWC legal advisor Frank Fulerton 2. Letter from state Engineer New Mexico listing dates all documents supplied by New Mexico to Texas
4	37	Cross sections of Rio Grande Gaugin Stations	1902	
4	38	[Maps, Documents, and Reports 1/3]	1931	1. Engineering News- Record Article "Effect of Rio Grande Storage on River Erosion and Deposition" by L.M. Lawson 2. Beautiful colored Map of the Rio Grande Project (12" x 27") 3. El Paso-Juarez Valley Groundwater study (11" x 17") Geological Cross section 4. Rio Grande Drainage Basin, colored map (8.5"x14") 5. Memorandum: Effect of clear water on bed of Rio Grande below Elephant Butte Reservoir by L.R. Fiock July 1931 5. Interstate water transfer and its impact on agriculture in New Mexico by Wright Water Consultants
4	39	[Maps, Documents, and Reports 2/3]	1977, 1963, 1930-1975, 1902	1. Report (Meeting Minutes) on Rio Grande Compact Commission 1977 2. Boundary: Solution of the problem of the Chamizal, copy of contract between U.S. & Mexico signed at

				<p>Mexico City, August 29th, 1963 (This is Commissioner's Fridkin's copy with his own personal notes.) Includes a highly detailed map of the Chamizal)</p> <p>3. Graph Momentary Flows (Rio Grande) greater than 1,000 fps versus time, 1930-1975 4. Charts showing operation and maintenance costs of Projects performed by IBWC (2 Copies) 5. Map Recommended Plan Repairs and Improvement for Lower Rio Grande Flood Control Project 6. Map of the Sister Cities along the U.S. Mexico Border 7. Map of Projects along U.S. Mexico Internation Border 8. Drawing of El Paso Gauging Station, done by W.W. Follett 1902 9. List of Meeting in El Paso- Juarez Between Presidents of U.S. and Mexico 10. "Draft" The Mission of the United States Section of IBWC May 1983 11. Published Version of "The Mission of the United States Section of IBWC" 1967 by David Herrera Jordan and Joseph Friedkin 12. Public Law 88- 399 88th Congress 13. Border Sanitation Problems 14. Commentary on Border Sanitation Problems 15. Graph of Irrigated lands (thousands of acres versus year for Texas and Mexico from 1930 vs. 1995, published IBWC 11" x 22" 16. Graph of population growth adjoining international border for each Texas and Mexico 1930-1985 published by IBWC</p>
4	40	[Maps, Documents, and Reports 3/3]	1951-1978, 1981	<p>1. Meeting Minutes with Scott Gudgeon legal assistant for Inter-American Affairs, 1981 2. Correspondence concerning legality of El Paso drilling water wells 3. Map of proposed and actual water well's location 3. Colored map of El Paso Rio Grande projects "canalization and rectification projects" by IBWC 4. Ledger sheet filled in by hand of the material balance between US and Mexico 1951 to 1978</p>
4	41	1906 Treaty Options	1980	<p>IBWC studies on options for dealing with reductions in deliveries to Mexico under 1906 treaty at times of extraordinary drought with 1950-1970 data. 7 sheets of material balances</p>

				and two graphs
4	42	1906 Treaty - Mexico's Complaint- March April 1979	1979	Letter from JFF to Joaquin Bustamante concerning how decrease in water delivered from Mexico is computed during drought (1950-1970) and Engr Bustamante's Response
4	43	[Extension to the American Canal]	1966	Proposed Project to Extensions of American Canal at El Paso Texas as Part of the Chamizal Project
4	44	[Allotments: US & Mexico]	1966	
4	45	Hands Across the Border	1967	Brochure, " <i>Hands Across the Border, The story of the Chamizal</i> "
4	46	Engineering News-Record- July 27, 1967	1967	
4	47	[Chamizal Maps]	1968	Maps and Photographs of Chamizal Project "The Relocation Plan in the US" Map 11" x 27"
4	48	[Water Allocation Methods]	1906, 1951-1978, 1981	IBWC Technical Studies on methods of Allocating water to Mexico with emphasis on deliveries to US lands and head gates, some of the more significant items are: 1. Map of Unapportioned Water Basins along the International Boundary 2. Copy of Treaty Series No. 455, "Convention between the United States and Mexico concerning Equitable Distribution of Waters". Twelve Articles in English and Spanish 3. Draft copy of 1906 Allocation Study done in 1984 done by JF some by hand some typed 4. Graph, "Regression analysis, operational patterns of the allotment procedure from 1951-1978 5. Graph, "River Losses vs total inflow to river, Caballo Dam to Riverside Heading, for year 1981
4	49	Groundwater Options		JF Personal Notebook on issues and problems associated with Mexico pumping groundwater on their side of the border, numerous letters from consulting firms advising him on this issue

Box 5

Box	Folder	Title	Year	Notes
5	1	1906 Treaty- Memos: January 1, 1981-4/19/1981	1981	"...folder filled with MOM, Correspondence, charts, and analysis concerning a new allocation procedure of irrigation water between U.S. Mexico in years of extraordinary drought"

5	2	Confidential 1906 Treaty U.S. Section Study of Options 1 and 2 4/19/81	1981	JFF Technical notes on water allocation Options 1 & 2 for dealing with reductions in deliveries to Mexico under 1906 treaty at times of extraordinary drought. This file contains a lot of analytical work by JFF
5	3	[1906 Treaty Deliveries with Regard to Adverse Mexican Diversions]	1976	Confidential Chronology 1934-76 Bob Ybarra et al on adverse Mexican Rio Grande water diversions in El Paso-Juarez
5	4	1906 Treaty- Memos March 1979-December 1980	1980	Report of technical meeting and background documents on impact on water deliveries to Mexico in context of transfer of Rio Grande Project operation and maintenance to local water users from US government. Note: There are many meeting minutes that discuss the allocation procedure between IBWC, EBID, WPRS, EPWD.
5	5	Commissioner's Speeches and Presentations Boundary 1968-	1968, 1969, 1970, 1971	Speeches include: 1. 41st Annual Congress of League of Arizona Cities and Towns 5/2/68 2. American Society of Appraisers EL Paso Chapter 10/18/68 3. ASCE- San Diego, Calif 10/22/68 4. Lions Club Del Rio 10/25/68 5. Northeast Rotary Club El Paso 11/1/68 6. Kiwanis Club of Kearny Mesa, San Diego California, 6/4/69 7. Texas Wholesale Hardware Assn Juarez, Chihuahua 6/20/69 8. Beautify El Paso Association 10/8/70 9. Westerners 1/15/71 10. AAUW Radford School 2/5/71 11. 35 Assembly - International Good Neighbor Council Del Rio 9/30/71 Also 15 slides of border scenes
5	6	Commissioner's Speeches and Presentations General 1968-	1968, 1969, 1970, 1971, 1973	
5	7	North Floodway Chronology- 1979	1932-1979	IBWC Technical Data & hydrographs & maps 1932-1979 of Rio Grande flood flows diverted to the Main U.S. floodway and Arroyo Colorado during major events. Context of proposal to split U.S. flood flows. Floodway between Mexico and US at Mission

5	8	Review of the 1944 Water Treaty Operations	1969	A Review of the 1944 Water Treaty Operations Relating to the Colorado River presented to Colorado River Water Users Association November 20-21, 1969
5	9	The Amistad Dam and Reservoir (An Example of International Cooperation Between the United States and Mexico)	1973	A Paper for presentation to AWWA Joint Annual Conference El Paso 1973: "The Amistad Dam and Reservoir"
5	10	Notes for a Discussion before the "International Interdisciplinary Seminar in Water Resources Management"	1970	Friedkin notes for international waters seminar at Colorado University
5	11	250.52 Detailed Subject Index, Minutes Nos. 180-270	1985	Foreign Affairs Office Subject Index of IBWC minutes No. 185-270
5	12	Amistad Yield Studies 9/16/75	1975	IBWC staff technical analyses on water yield following construction of Amistad Dam
5	13	Rio Grande Project SF Reynolds 6/85 <u>Personal</u>	1985	JFF & staff notes on depletion in Rio Grande flows between El Paso and Caballo Dam 1915-1950 considering Elephant Butte in 1915, Caballo in 1938.
5	14	Draft Memorandum: Recommendations for Preservation of the Boundary formed by the Rio Grande from Cajoncitos to Haciendita March 15, 1976	1976	IBWC technical report "Recommendations for Preservation of the Boundary formed by the Rio Grande from Cajoncitos to Hacienda" preparatory to negotiation of IBWC Minute under Articles B (1) and C (1) of the 1970 Boundary Treaty. Note of clarification: In this remote downstream section of the Rio Grande, immediately downstream of the rectification project riparian growth had restricted river channel's flow, flash floods in the area could no longer be handled. Contained in this bound technical report are: <ul style="list-style-type: none"> ●Map, 11" x 36" of the Rio Grande from Fort Quitman to Presidio, showing path of River ●Pictures of Riparian growth causing the problem ●Cross section of channel at gauging station showing growth of sediment with respect time

5	15	[Materials about Engineering News Record Feature]	1976	<p>Congratulatory letters and Congressional Record remarks on JFF and David Herrera Jordan article in Engineering News Record</p> <p>Letters by:</p> <ul style="list-style-type: none"> ●Senator Ralph Yarborough with a note written by hand ●Senator John Tower ●Richard White ●Numerous other dignitaries <p>Also contained is a copy of the magazine article. The subject of the article is the Amistad dam with an inset about Chamizal Project</p>
5	16	[Amistad Dam Aerial & Other Photographs c. 1981]	1981, 1982	Photographs Amistad dam aerial (circa 1981) and JFF and Diane Natalicio 1982.
5	17	[Army Corp of Engineers]	1969	<ol style="list-style-type: none"> 1. Engineering and Design: Criteria for Riprap Channel Protection 1953 2. Reports on Measures for Bank Protection: Use of Kellner Jetties on Alluvial Streams 1979
5	18	[Importance of Language and Interpretation]	1964	<ol style="list-style-type: none"> 1. Exchange of Correspondence concerning intricacies of language and interpretation with respect to Mexico's relinquishment of right to water between Acquecia Madre and Fort Quitman. Response to U.S. wanting to enlarge the Franklin canal 2. Letter from Robert Sayre to Joseph Friedkin
5	19	[JFF Retirement]	1986	
5	20	[A Memorandum on the Tijuana Sanitation Problem]	1986	IBWC confidential report on dependability of Mexican sewage pumping works in Tijuana Mexico & recommendation for U.S. defensive works Includes map of southern California/ Mexico border detailing locations
5	21	The Quality of Water for Irrigation Use	1948	Dept. of Agriculture report on quality of water for irrigation use. Report considered in context of Colorado river water delivered to Mexico under 1944 Water Treaty.
5	22	A study of an Alluvial Stream by WW. Follett March 30, 1911	1911	Internation Boundary Commission consultant W.W. Follet report (dated 1911) on the Rio Grande alluvial stream section in the El Paso Juarez area in context of U.S. view against Chamizal Arbitration award. Contains a history of the changes in flow path of the Rio Grande

5	23	Flood Probabilities	1960	Copy of paper by Colorado State University experts Albertson and Simons on low-cost hydraulic structures. IBWC interest in context of low water retention dams in lower Rio Grande
5	24	Memorial to Francois Emile Matthes	1956	Geological Society Tribute to Francois Emile Matthes
5	25	Fort Quitman to Haciendita Data Book [1]	1975	Technical data in support of proposal to preserve 200 miles of Rio Grande from Ft. Quitman to Presidio, Tx under 1970 Boundary Treaty. Considers the river relocation and related land acquisition needed. Included in this notebook are: 1. Preliminary Analysis of Alternatives 2. Discussion of Right of Way Issues 3. Cost Estimate 4. Diversion Dams 5. Engineering Data
5	26	Fort Quitman to Haciendita Data Book [2]	1975	More Technical data in support of the proposal to preserve 200 miles of Rio Grande from Ft. Quitman to Presidio, Tx under 1970 Boundary Treaty. Considers the river relocation and related land acquisition need. Included in this notebook are: 1. Definition of Irrigated Areas 2. Channel Cross-Section 3. Dam Sites 4. Aerial Photograph Surveys (Note this is a list of surveys not the actual photographs) 5. Hand drawn map of the end of rectification project to Presidio with all the river bends, small communities, creeks, arroyos shown.
5	27	["The Effect of Conservation Practices on Peak Rates of Runoff"]	1946	Reprint from Texas Engineer, "The Effect of Conservation Practices on Peak Rates of Runoff"
5	28	["Passing Flood Waters Over Earth or Rockfill Dams"]	1949	Technical paper "Passing Flood waters Over Earth or Rockfill Dams" by Andrew Weiss
5	29	[Chamizal Brochure: National Park Service]	1976	Issued by El Paso Chamber of Commerce printed and developed by Department of Interior describing the history of the U.S. Boder Surveys and Chamizal Settlement
5	30	[The Isthmus of Tehuantepec. Another link between Canada and Mexico]	1978	Paper on Tehuantepec isthmus of Mexico as transportation route Mexico and Canada presented at Canada-Mexico businessmen committee
5	31	[To Develop Regulation of Use of Groundwater]	1981	Translation of Mexicali news clip on Mexican plans to regulate use of groundwater in Mexicali Valley. The

				original newspaper article is included as well as two translations
5	32	[Agua Suficiente para el Futuro de México]	1975	Summary Report of Mexico's 1975 National Water Plan, Secretariat of Hydraulic Resources in Spanish.
5	33	U.S- Mexican Relations Fausto R. Miranda-1980	1980	SMU Rubottom (former Asst. Sec. State) Letter to Mexican consultant Fausto R. Miranda on talk for West Texas Chamber of Commerce meeting in 1981 & Response from Miranda to kind words of JFF
5	34	The Import of Your U.S.- Mexico People-To-People Program	1901, 1983	The following articles and documents are contained herein: 1. JFF notes on presentation to U.S. - Sister Cities Assn. in El Paso with focus on people-to-people communication. 2. Publication by US Dept of State about Mexico, June 1983. 3. Reprinted from "The Century Magazine" Vol. LXI, No.3, January 1901, "Running of the Rio Grande Canyons"
5	35	[Twenty-Seventh Mexico-United States Interparliamentary Conference: Background Materials for U.S Delegation]	1987	Joint committee report on 27th Mexico-US. Interparliamentary conference.
5	36	Surveys- Use of Altimeter for Preliminary Surveys	1955, 1948	The following articles and documents are contained herein: 1. Manuel for American Pauline Altimeter 2. Pamphlet on "Geologic-Climatic Dating in the West" by Ernst Antevs 1955, Reprint from "American Antiquity" 3. "Discussion of Macrotrubulence in natural stream flow" by Gerard Matthes, 1948.
5	37	Rainfall Intensities for Local Drainage Design in Western United States	1956	Publication by the US Department of Commerce: "Rainfall Intensities for Local Drainage Design in Western United States for durations of 20 minutes to 24 hrs. and 1-to-100-year return periods"
5	38	[Deceptive Doctrines of Communism: Thomas C. Mann]	1965	Thomass C. Mann paper on deceptive doctrines of communism presentation on George Washington Birthday celebration in Laredo, TX.
5	39	[Counselor Nimetz to JFF: border relations]	1979	Sec. of State Counselor Matthew Nimetz letter to JFF and a border relations background paper and an exhibit list for visit to border

5	40	Sediment- Bed Load	1932, 1934,1935, 1940, 1942, 1943 1944, 1946, 1949,	<p>Various papers concerning silt loads for consideration in Colorado River water deliveries to Mexico in accordance with the 1944 Water Treaty. These are detailed as follows:</p> <ol style="list-style-type: none"> 1. Toward a Theory of the Morphologic Significance of Turbulence in the flow of water in streams published by University of California Department of Geography, John B. Leighly, 1932 2. Progress in Hydraulics as Related to Sedimentation, National Research Council, Division of Geology and Geography, Lorenz Straub, 1940 3. Exchange of Letters (originals) between JFF and Lorenz Straub, 1946 4. "Influence of Silt on River Behavior" Institute of Civil Engineers Journal, Phillip Claxton, 1942 5. Regekungsarbeiten am Missouri article in German, Lorenz Straub, 1934 6. Effect of Water on the Riverbed Translation of a German Article, Corps of Engineers, Dr. Forchheimer, 1943 7. Letter Exchange between JFF and F.T. Davis Head of Civil Engineering Carnegie Tech, 1949 8. Abstract of a paper concerning "Ultrasonic Measurement of Size Distribution and Concentration of Suspended Element by Gordon Flammer 9. Approaches to the Study of the Mechanics of Bed Movement by Lorenz Straub 10. Effect of Channel-Contraction Works Upon Regimen of Movable Bed Streams, American Geophysical Union by Lorenz Straub, 1934 11. Report of the committee on Dynamics of Streams, American Geophysical Union by Lorenz Straub, 1934 12. Report of the committee on Dynamics of Streams, American Geophysical Union by Lorenz Straub, 1935 13. Some Observations of Sorting of River Sediments American Geophysical Union by Lorenz Straub, 1935
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5	41	International Water Treaty- Mexico & US.	1945, 1973	Copies of Various Magazine Articles as follows: 1. Irrigation Development in Mexico, Irrigation Age, Homer Hutto, 1973 2. International Waters Allocated Under Treaty with Mexico, Engineering News - Record Report, V.T. Broughton 1945 3. Engineers said active promotion needed to have adequate plans ready, Engineering News - Record Report, 1945 4. Senate Committee approves Mexican Water Treaty, Engineering News - Record Report, 1945 5. Congressional Record, for Wednesday, April 4 1945
5	42	[Climate: Arid Zones]	1981, 1983, 1988, 1989	1. The Arid Zones of Mexico: Climatic extremes and Conceptualization of Sonoran Desert, Journal of the Environment, Robert Schmidt, 1989 2. Los Medanos De Smalayuca, Chihuahua, Mexico, New Mexico Journal of Science, Robert H. Schmidt and Richard Marston, 1981 3. Chihuahuan Climate, Second Symposium on Resources of the Chihuahuan Desert, Robert H. Schmidt 1983 4. The Distribution and Conservation –Type Water-Control Systems in the Northern Sierra Madre Occidental, The Kiva, Volume 53, no. 2, by Robert H. Schmidt and Rex Gerard, 1988 5. Water, Borderlands Source Book Chapter 19, Otis Templar, 1983
5	43	[An Assessment of the Management of U.S.- Mexican Water Resources: Anticipating the Year 2000]	1982	An Assessment of Management of the U.S.-Mexican Water Resources: Anticipating the Year 2000, Natural Resources Journal by Albert Utton
5	44	"Rights in Waters of the LRG in Spanish Colonial & Early Mexican Periods: - Memorandum by Lic. Santiago Oñate Jan. '59	1959	Memorandum on Rights in Waters of the Lower Rio Grande in the Spanish Colonial and Early Mexican Periods
5	45	[The Settlement of Boundary Disputes: Mexico, The United States and the International Boundary Commission]	1980	

5	46	The Changing Water Supply in the Far Southwest: A Presentation before the Cotton Growers Association of Texas El Paso, Texas- January19, 1966	1965, 1966,	This was a presentation given by JFF before the Cotton Growers Association of El Paso Texas. This folder also contains the following data of 1. Table of flow rate of the Rio Grande at Ft. Quitman from 1889 to 1965. 2. Table of the Total Value of crops produced on the Rio Grande project from 1915 to 1966. 3. El Paso times article, Feb 6, 1966 "Seismic Exploration to Determine Water Resources in Hueco Bolson." 4. El Paso Times "Agronomist Urges Local Water Saving Method."
5	47	Rivers: Effects of Regulation & Depletion R.G Below EB Dam		1. Detailed description of the Canalization Project between Elephant Butte and El Paso 2. Graph entitled effect of Elephant Butte Monthly mean flow before and after Elephant Butte 3. Cross Section of the Rio Grande Gauging Station at Fort Hancock 4. Table of River Mileages 5. Rio Grande Canalization Project, Typical Section 6. River Rectification Project "El Paso & Juarez to Quitman Canyon", 11,000 S.F. Channel, Typical Cross Section. 7. Memorandum to Commissioner on the Water Savings Produced by the Construction of the Canalization Project 8. Drawing of Rio Grande bed elevation, Elephant Butte to Mesilla Dam 9. Paper on the "The Rio Grande Before Elephant Butte Dam" 10. "The Regulation and Depletion of River Flows Effected by Elephant Butte Dam and Related Irrigation Works (this document contains a detailed description of Rectification Project) 11. Ft. Quitman Gaging Station dated 1932

Box 6

Box	Folder	Title	Year	Notes
6	1	[Annual Reports: 1977-1981]	1977, 1978, 1979, 1980, 1981	US Bureau of Reclamation Annual Reports of Operation of the Colorado River Basin
6	2	[Annual Reports: 1981-1985]	1981, 1982, 1983, 1984, 1984	US Bureau of Reclamation Annual Reports of Operation of the Colorado River Basin
6	3	[Annual Reports: 1985-1989]	1985, 1986, 1987, 1988,	US Bureau of Reclamation Annual Reports of Operation of the Colorado

			1989	River Basin
6	4	[Annual Reports: 1989-1993]	1989, 1990, 1991, 1992, 1993	US Bureau of Reclamation Annual Reports of Operation of the Colorado River Basin
6	5	[Annual Reports: 1993-1996]	1993, 1994, 1995, 1996	US Bureau of Reclamation Annual Reports of Operation of the Colorado River Basin
6	6	[Gasser vs. United States 1/3]	1986-1989	Various Court and other documents in Gasser v. United States; case filed in US Court of Claims concerning damages in Mexico part of Colorado River (Rio Hardy area) as a result of Hoover Dam flood control releases in the floods of 1983-84, including March 1988 judgement & motion for reconsideration. JFF was a consultant to U.S. Bureau of Reclamation during this time frame
6	7	[Gasser vs. United States 2/3]	1986-1989	Various Court and other documents in Gasser v. United States; case filed in US Court of Claims concerning damages in Mexico part of Colorado River (Rio Hardy area) as a result of Hoover Dam flood control releases in the floods of 1983-84, including march
6	8	[Gasser vs. United States 3/3]	1986-1989	Various Court and other documents in Gasser v. United States; case filed in US Court of Claims concerning damages in Mexico part of Colorado River (Rio Hardy area) as a result of Hoover Dam flood control releases in the floods of 1983-84, including march
6	9	["Water Supply of Lower Colorado River Basin" 1/4]	1952	Bureau of Reclamation Report entitled "Water Supply of Lower Colorado River Basin. This document was issued in 1952, covers the years 1914 through 1945 and contains the following Data: 1. General Description of Area with Map 2. Climatological Data 3. Historic Stream Flow at Key Gaging Station 4. Drainage areas above Key Gaging Stations 4. Depletion of Ground Water Basins 5. Water using areas influenced by man
6	10	["Water Supply of Lower Colorado River Basin" 2/4]	1952	Bureau of Reclamation Report entitled "Water Supply of Lower Colorado River Basin. This document was issued in 1952, covers the years 1914 through 1945 and contains the following Data: 1. General Description of Area with Map 2. Climatological

				Data 3.
6	11	["Water Supply of Lower Colorado River Basin" 3/4]	1952	Bureau of Reclamation Report entitled "Water Supply of Lower Colorado River Basin. This document was issued in 1952, covers the years 1914 through 1945 and contains the following Data: 1. General Description of Area with Map 2. Climatological Data 3.
6	12	["Water Supply of Lower Colorado River Basin" 4/4]	1952	Bureau of Reclamation Report entitled "Water Supply of Lower Colorado River Basin. This document was issued in 1952, covers the years 1914 through 1945 and contains the following Data: 1. General Description of Area with Map 2. Climatological Data 3.
6	13	[Gasser vs. US: Technical Notes 1/2]	1986-1988	JFF's Technical notes on Gasser v. US claim over flooding of lands in Mexico due to operations of U.S. dams
6	14	[Gasser vs. US: Technical Notes 2/2]	1990	JFF's Technical notes on Gasser v. US claim over flooding of lands in Mexico due to operation of U.S. dams. Included in this file are: 1. JFF's personal notes and analysis of situation 2. Two computer printouts of River Flow at Yuma in cubic feet per second 1926-1982 month by month done by Look data F.77
6	15	[Colorado River Board of California: Annual Report 1975]	1975	Colorado River Board Annual Report Year Ending December 31, 1975, printed black and white brochure
6	16	[Cost of Flood Protection: Colorado River: AZ & CA]	1953	Appendix to report of Board of Engineers (Leeds, Burkholder, Berrigan, Friedkin) on costs to Imperial Irrigation District for flood control levees in Yuma area. In support of Public Law 750 81st Congress for US to reimburse district for work turned over to US in follow up of 1944 Water Treaty
6	17	Colo R. Select Papers	1983	Technical Papers as follows: 1. 1983 Flood Control Operation on the Colorado River by S.E. Reynolds, Sept 7, 1983, 2. Natural Resources Journal "Profitability and appropriate Water Rights: Strange Bedfellows in Equitable Apportionment 3. J.W. Stone "Use of Colorado in Mexico" 4. "How the Colorado was Spent" by William Warne from NWSIA Journal
6	18	Yuma Desalt Plant	1984	Technical Data on Yuma Desalting

				Plan from Bureau of Reclamation
6	19	Colorado R.- Bureau of Reclam.	1984	USBR waters of the Colorado River Series from Bureau of Reclamation
6	20	Colorado River Water Supply and Compact Provisions	1922-1978	Notebook containing the following reports: 1. Report prepared by the Engineering firm Tipton and Kalmboch entitled "Water Supplies of the Colorado River, Part 1 the text. 2. Correspondence concerning from various agencies concerning "Colorado River Basin Problems." 3. Statement by New Mexico State Engineer S.E. Reynolds on "The Operation of the San Juan Chama Project, Colorado, New Mexico, and the Related Impacts in the San Juan River Basin" 4. An Appendix of Selected Legislation, Compacts, Treaties, Agreements, and Court Decrees Affecting the Operations of the Colorado River, author unknown
6	21	[Gasser vs. US: Notes on 1988 Decree]	1986, 1987, 1988	JFF research notes concerning Colorado River flows arriving in Mexico in context of Gasser v. U.S. decree of 1988. A number of field observations on channel conditions in 9188 and issue over what constitutes a "normal" flow
6	22	Colorado River Channel Cross-Sections [1/2]	1945-1982	Various documents on research concerning Unapportioned border waters between U.S. and Mexico. Includes thoughts on 1. Santa Cruz river flows 2. legal memoranda on international ground water agreements 3. pre-1944 water treaty precedents 4. possible ground water distribution options.
6	23	Colorado River Channel Cross-Sections [2/2]	1945-1982	Various documents on research concerning Unapportioned border waters between U.S. and Mexico. Includes thoughts on 1. Santa Cruz river flows 2. legal memoranda on international ground water agreements 3. pre-1944 water treaty precedents 4. possible ground water distribution options.
6	24	Prior Treaties on the Equitable Use of the Waters of International Rivers	1941-1983	IBWC technical report "Colorado River Channel Change Study between Yuma and Southerly International Boundary, through December 1983" prepared to provide technical basis following 1983 floods. Contains a number of exhibits of flow

				tables, charts, and river cross sections. The objective of this study was whether the usual flow channel is aggrading and degrading
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Box 7

Box	Folder	Title	Year	Notes
7	1	[Imperial Valley Salt Balance]	1977-1995	Brochure Imperial Irrigation District & US Soil Conservation Service "Imperial Valley Salt Balance" Report 1929-1965. Context of Colorado River Salinity Problem & 1944 water Treaty
7	2	[Distrito de Riego del Rio Colorado: Baja California y Sonora]	1955	Brochure, on Mexicali irrigation district (Distrito de Riego del Rio Colorado Baja California y Sonora.) Historical material, water use, and crop value data. Context of 1944 Treaty and Minute 218. Map of Irrigated Portion of Mexico South of the U.S. Border at Yuma and aerial photograph of the headgates and Dam at Morelos.
7	3	[The Importance of Fluvial Morphology in Hydraulic Engineering]	1955	Brochure, Proceeding of American Society of Civil Engineers. Technical and applicable to Rio Grande and Colorado River. Context of 1884 and 1970 Boundary Treaties
7	4	[The Bed-Load Function for Sediment Transportation in Open Channel Flows]	1955	Brochure, US Department of Agriculture, Soil Conservation Service, Context of 1884 and 1970 Boundary Treaties
7	5	[Historic Salton Sea]	1960	Brochure, Imperial irrigation district, information on history of irrigation development surrounding the Salton Sea. Context of 1944 Water Treaty, Minutes 218 and 242. The following topics are discussed in this brochure: <ol style="list-style-type: none"> 1. History of Imperial Irrigation District 2. Present Irrigation and Drainage Facilities 3. Power Facilities The following subjects are discussed concerning the "Salton Sea" <ol style="list-style-type: none"> 1. Geologic History 2. Lake Cahuilla 3. Early Crossings of Imperial Valley 4. Development of Imperial Valley 5. Rockwood Heading 6. Nationwide Interest in Imperial Valley 7. New "Dangers" to Imperial Valley 8. Bridge Over the All-American Canal 9. Salton Sea (includes a great map of Salton Sea and vicinity)
7	6	[The Ives Expedition of 1858]	1978	Brochure, Imperial Irrigation district. Short account of the Corps of

				Topographic Engineers expedition from mouth of Colorado River to Black Canyon (Site of Hoover Dam).
7	7	[Reclamation-Meeting Tomorrow's Challenges]	1990	US Bureau of Reclamation Brochure on 85th year. Summarizing policy direction and challenges
7	8	[Gasser vs US: Documents 1/3]		<p>1. Concerning Rene B. Gasser, et. Al vs US (No. 33-84L and Gordon Fuller Bailey vs US (No 177-84L): "Defendant's Second Request for Documents by Jesus Monqueda Gonzalez" "Defendant's Second Request for Documents by Gordon Fuller Bailey" "Defendant's Third Set of Interrogatories Gordon Fuller Bailey" "Defendants Third Set of Interrogatories to Jesus Mosqueda Gonzalez" 2. Draft: "Narrative to Refute Claims that US Government Caused Flooding of Lands in Mexico" 3. Black and White Map from Mouth of Colorado to San Luis International Bridge 11" X 22" 4. Plots of Mosqueda's parcels of land 5. Map of Lower Colorado River United States and Mexico</p>
7	9	[Gasser vs. US: Motion for Summary Judgement]	1986	<p>In the United States Claims Court, the Cases No. 33-84L and No. 177-84L, "Motion for Summary Judgment and Memorandum in Support of Defendant's Motion for Summary Judgement"</p> <p>Table of Flow Data for Colorado River at Southern and Northern Boundaries from 1965 to 1983</p>
7	10	[Gasser vs. US: Documents 2/3]	1985, 1986	<p>This folder contains the following documents all relating to United States Claims Court, Cases No. 33-84L and No. 177-84: 1. DOJ Letter to Aldrean Briggs of Bureau Reclamation sending a copy of Plaintiffs 3rd request for Production of documents, (5 pages dated July 9, 1986) 2. Court Documents: Defendant's Response to Third Request for documents (July 9, 1986, 5 pages) 3. Court Documents: Defendants Response to Second Request to Produce Documents (July 8, 1986, 15 pages) 4. Court</p>

				<p>Documents: Plaintiff's Second Request to Produce Documents (May 21, 1986, 12 pages) 5. Set of Notes Telecon JF and Robert Brose of May 5, 1986, 3 pages) 6. Court Documents: Defendant's Status Report and Motion to Amend the Schedule in the Court's Order Filed (April 10, 1986, 6 pages) 7. Set of Notes taken by JF of April 10, 1986, 4 pages 8. Court Document's: Reply to Plaintiff's Response to Defendant's Motion for Summary Judgment (April 7, 1986, 19 pages) 9. Court Documents: Defendant's Motion to Strike the Declaration of Leroy A. Abelson, Esq, (6 pages dated April 1, 1986) 10. Copy from a legal book which explains the outcome of this case, 33-84L and 177-84L. This is a summary of the final outcome of the case, 1986, 5 pages. 11. Copy from a legal book concerning the outcome of a case 647-83L, (Nov 11, 1986, 12 pages) 12. Court Documents: Defendant's Motion to Strike the Declaration of Mario Cesar Martinez Salas (April 1986 5 pages) 13. Court Documents: Defendant's First Supplemental Response to Request to Produce Documents (December 17, 1985, 7 pages) 14. Court Documents: Affidavit of J.F. Friedkin (30 pages) April 1, 1986. This is a tour de force of the nature of how a river carries sediment.</p>
7	11	[Gasser vs. US: Documents 3/3]	1985, 1986,	<p>This folder contains the following documents all relating to United States Claims Court, Cases No. 33-84L and No. 177-84: 1. Court Documents: Defendant's First Response to Produce Documents (2 pages dated Dec 5, 1985) 2. Court Documents: Answers of Jesus Mosqueda Gonzalez to Defendant's Second Set of Interrogatories to Plaintiff (Dec 27, 1985, 33 pages)3. Court Documents: Answers of Gordon F. Bailey to Defendant's First Set of Interrogatories (September 16, 1985, 9 pages) 4. Court Documents: Plaintiff's Answers to Defendants Third set of Interrogatories to Jesus</p>

				<p>Mosqueda Gonzalez (October 27, 1986, 10 pages) 5. Court Documents: Notice of Taking Deposition (Nov 20, 1986, 4 pages) 6. Court Document: Order by Judge Christine Nettesheim concerning 33-84L and 177-84L (2 pages April 10, 1986) 7. Court Documents: Plaintiff's Answer's to Defendant's Third Set of Interrogatories to Jesus Mosqueda Gonzalez (October 22, 1986, 11 pages) 8. Court Documents: Supplemental Response to Defendant's Third Set of Interrogatories to Jesus Mosqueda Gonzalez (November 25, 1986, 5 pages) 9. Court Documents: Plaintiff's Answer's to Defendant's Third Set of Interrogatories to Gordon Fuller Bailey (November 1986, 32 pages)</p>
7	12	[IBWC & Dept. of Interior: Roles and Jurisdiction along the Rio Grande and Colorado Rivers]	1945	<p>Copy of memo of understanding between IBWC and Dept of Interior on each other's role and jurisdiction along the Rio Grande and Colorado River in context of 1944 Water Treaty, declared by President Truman June 18, 1945, on signatures of Secretary of State and Secretary of Interior. June 18, 1945. Key document for implementation of treaty to end dispute between Interior and State depts. Related prior correspondence between Interior and state and final letter from Secretary of State to U.S. IBWC Commissioner L.M Lawson, October 20, 1945. Document is difficult to find in most archives.</p>
7	13	[The Colorado River Salinity Problem with Mexico]	1974	<p>Paper by special Presidential Representative and State Dept Legal Advisor. Related to the problem of IBWC Minute 242 solution</p>
7	14	[1973 Mexico-US Colorado River Agreement & Implications]	1974	<p>Meeting Minutes taken by IBWC Legal Asst. Fullerton. Subject: Regional Meeting of the American Society of International Law concerning " 1973 Mexico-U.S. Colorado River Agreement and its implication.] Colorado River Salinity Problem. April 11, 1974</p>
7	15	[1999 Annual Operating Plan for Colorado River System Reservoirs]	1999	<p>28th Annual Report and 1999 Annual Operating Plan for Colorado River Systems Reservoirs. Dec. 2, 1998</p>
7	16	Colo R. Discharge & Salinity 1994 & 1995	1990	<p>1. Report on Salinity Operations of</p>

				<p>the Colorado River Under Minute 242, January 1, 1990, to December 31, 1990, by Narendra Gunaji. (April 29, 1991, 10 Pages) 2. Salinity of Colorado River at 25 locations and various from 1983-1987 (1990, 11 Pages) 3. Invitation to Yuma Desalting Plant Opening 4. A Report on Salinity Operations of the Colorado River under Minute 242, January 1, 1986, to December 31, 1986, by D.D. McNealy (March 12, 1987, 15 Pages) 5. A Report on Salinity Operations of the Colorado River Under Minutes 242, January 1, 1988- December 31, 1988, by Narendra Gunaji (January 23, 1990, 10 Pages)</p>
7	17	Charts	1900-1964	<p>Colorado River flow data working papers and charts 1900 - 1964 in context of events designed to show water flows and dilution factors in deliveries of waters to Mexico before and after the 1944 Water Treaty and in context of Mexico's 1960's complaint over salinity.</p> <p>The following plots are contained in this folder: 1. Mean Monthly Discharge (cfs) vs month and year at Morelos Gaging Station 1935 to 1992, 11" X 36" made by JFF 2. Colorado River Waters Reaching Mexico includes treaty scheduled deliveries and diversions by Mexico, Millions of Acre Feet vs year 1935 to 1978, 11" x 24" 3. Elevation Profile Zona De Riego, Taken from Maps 8, 15, and 23, 11" x 20" 4. Tree Ring Indices for Colorado River Watershed above Lee's Ferry, 1750 to 1986 and on same curve Colorado River Water Flow Annual Flow Millions of Acre Feet 1896 to 1979, 11" x 27" 5. Mean Monthly Discharges of Colorado River at Yuma Arizona, cubic feet per second vs month 1904 to 1964, 11" x 30", 2 copies 6. Map Lower Colorado River United States and Mexico, shows location of stream gaging station, 18" X 14"</p>
7	18	Colo R. Salinity	1992	<p>JFF's Post retirement notes on Colorado River Salinity. Considers his assumptions in 1964 that solution lay in dilution of flows and regulated</p>

				release of saline irrigation flows and considers impact on natural environment by upstream regulation. Extensive amount of tabulated data, salinity of water in Colorado and as well as total dissolved solids.
7	19	[Post Retirement: Impacts on Natural Environments]	1992	JFF's Post Retirement Notebook with outline with assumption and data needs for paper on impact on natural environment.
7	20	[Draft Colorado River for Review-2-16-95]	1995	First part of JFF post-retirement manuscript on impacts of dams on the Colorado River Delta.
7	21	[Colorado River References]	1932-1984	Brochures and Papers on Colorado River Development in context of Friedkin's post-retirement research for impacts on delta manuscript 1. Notes on a report by Col. S.F. Crecelius on the Colorado River, 1932, data on irrigation requirements of the various utilities 2. Copy of the 1944 between United States and Mexico on "Utilization of Waters of Colorado and Tijuana and Rio Grande 3. A Riparian Case History: The Colorado River by Robert D. Ohmart Dec 12 - 10 - 86 4. Letter from Steve Reynold's New Mexico State Engineer to Clifford Barret Bureau of Reclamation, 1979 concerning Yuma Desalting Plant 5. Copy of EPA Protection of Environment: Colorado River System Including all Tributary Systems Proposed Water Quality Standards and Plan of Implementation for Salinity Control 6. List of References 7. Rocky Mountain News article, June 17, 1964, article on Abuse of Colorado River nearing point of no return 8. Proceedings of American Society of Civil Engineers, pamphlet, August 1950, Retrogression on the Lower Colorado River after 1935 9. Proceedings of American Society of Civil Engineers, Pamphlet, May 1951, Discussion of Retrogression on the Lower Colorado River After 1933 10. Proceedings of American Society of Civil Engineers, Pamphlet, May 1951, Regime Theory for Self-Formed Sediment-Bearing Channels 11. Colorado River Storage Project published by Upper Colorado Region

				Bureau of Reclamation 12. Central Arizona Project published by Lower Colorado Bureau of Reclamation
7	22	[Cost of Flood Prevention: Colorado River: AZ, CA, & MX]	1953	Report to the IBWC US Commissioner on costs paid by the Imperial Irrigation District for flood protection works along the Colorado River to be taken over by the US Government in compliance with the 1950 US-Mexico Water Treaty Law to implement the 1954 Water Treaty not already covered by prior legislation. Detailed report by Board of Engineers that included IBWC Engineer JFF
7	23	[Gasser vs. US: Motion for Summary & Plaintiff Response]	1986	1. In the United States Claims Court, the Cases No. 33-84L and No. 177-84L, "Court Order Concerning Motion for Summary Judgement." 2. In the United States Claims Court of Cases No 33-84L and No. 177-84L, "Plaintiffs Response to Defendant's Motion for Summary Judgement & Declaration in Opposition Thereto.
7	24	[Gasser vs. US: JFF Deposition]	1950, 1986	1. Deposition of JFF in United States Claims Courts, no 33-84L and 177 - 84L dated Sept 6, 1986, 2. Tidal Effects at the Mouth of the Colorado River by L.M. Lawson Commissioner IBWC, April 26, 1950, 3. Article, Civil Engineering Magazine, River and Tide Effects-- Lower Colorado River by L.M. Lawson June 1950 4. Schematic of Colorado River Basin
7	25	[Gasser vs. US: Daryl B Simons, PhD.: Deposition]	1986	Deposition of Daryl B. Simons in United States Claims Courts, No33-84L and 177-84L dated Sept 6, 1986
7	26	[Gasser vs. US: Robert Dale Ohmart, PhD. Deposition]	1986	Deposition of Robert Dale Ohmart in United States Claims Courts, no 33-84L and 177 - 84L dated Sept 6, 1986, folder includes the following 1. Dr. Ohmart's 100-page deposition 2. Dr.'s Curriculum Vitae exhibit 23 3. Photocopy of concerned area exhibit 26 4. Chart of soil loss in productivity exhibit 27 5. Legend of Photographs exhibit 28 6. Table of Electrical conductivity of water samples exhibit 29
7	27	[Gasser vs. US: Wilbur J. Lockman Deposition]	1986	Deposition of Wilbur J. Lockman in United States Claims Courts, No. 33-84L and 177-84L dated June 3, 1986, and Curriculum Vitae of Mr. Lockman
7	28	Colorado River Salinity- Bases of 115 +	1976	Colorado River: Material Balance

		30- Tables		<p>calculations concerning the amount of water bypassed at Northern International Boundary, salinity PPM difference for the years from 1967 to 1972. This is a year-by-year tabulation.</p> <p>1. Flows and Salinity of Northern International Boundary 2. Bypass Volumes Wellton Mohawk Operations 3. Computations 115 pm differential (salinity) between Imperial Dam and Morelos Dam (numerous tables support this calculation)</p>
7	29	[Salinity]	<p>1955, 1961, 1967,1975, 1976, 1978, 1979, 1982, 1987, 1989</p>	<p>1. Proceedings of the American Society of Civil Engineers "River Survey in Unmapped Territory" by Gerald Matthes, 1955 2. Salinity Update, Controlling Salinity in the Colorado Basin, published by Colorado River Salinity Program Coordinator and BLM, 1989 3. Copy of Scientific American article, "The Agriculture of Mexico", Edwin Wellhausen, 1976 4. Definition of California State Water Project published by State of California, 1967, (Wonderful map of California Water System) 5. Report by Leeds, Hill, and Jewet concerning Salinity of Colorado River below Imperial dam, 1975 6. "A Technical Look at the Colorado River Salinity Control Program" remarks by Manuel Lopez 1976 7. Copy of transcript of Testimony of George E. Brown Jr. testimony concerning on proposed amendments to Title I of the Colorado Basin Salinity Control Act, 1979 8. Letter from Cecil Andrus, Secretary of Interior to George E. Brown concerning the Colorado River Basin Salinity control project, 1978 9. Supplemental Reports on the "Water Quality Standards for Salinity" Colorado River system, Colorado River Basin Salinity Control Forum, 1987 10. Proposed Reports on the "Water Quality Standards for Salinity Colorado River system, Colorado River Basin Salinity Control Forum, 1987 11. Report from George R. Baumli, "Colorado River Salinity Differential,</p>

				Fluctuations from year to year, George R. Baumli, Principal Engineer Investigations & Planning Division, 1982 12. Levee Revetment and Bank Stabilization Lower Colorado River, 1961
7	30	Colo. R. Salinity- Charts & Data	1972	Various Graphs concerning crop production in Mexico and volumes and salinity concerning water delivered to Mexico at the Northern international border
7	31	Colorado River Salinity GAO Report	1978	Proposed Report: Colorado River Basin Water Problems: Proposal to Reduce their Impact and Letters of comment on Report and Letter of Comment on USBR on Desalting Plant Sizing Study
7	32	[New River: Diversions]	1942-1958	JFF's Report of 1942 observations of New River at site of proposed Mexican diversion with photographs and a photocopy of State of California's Quality of Water for Irrigation
7	33	[Tijuana: Sampling & Analysis]	1988	IBWC report to Ambassador Gavin of 1988 and related notes and Pacific Ocean surf sampling in Tijuana and San Diego expressing concern over reliability of Mexico's proposed pumping related sewage treatment and disposal to Tijuana River plan.

Box 8

Box	Folder	Title	Year	Notes
8	1	[Memorabilia]	1969, 1989	Glass Slides of Rio Grande at site of Amistad Dam construction, and IBWC Centennial commemoration medal of 1989 & draft of letter to Chamizal settlement supporters Slides: 1969 Medal: 1989
8	2	[Assorted Documents about JFF]	1970s	Miscellaneous letters and documents detailed as follows: 1. Letter by Leon Metz, Oct 13, 1972, inviting members to dinner honoring JFF and Mrs. Olga Kohlberg 2. Invitation card from President Nixon to have lunch August 21, 1970, 3. Letter by Mrs. Laura Scott Meyers nominating JFF for an honor by El Paso Historical society 4. Front Page of the Vicksburg News announcing war with Germany is over 5. Letter of appreciation to JFF for all his work as commissioner by John Davison President Nogales Municipal

				Development Authority 6. Letter by John Davison to Morris Udall praising JFF for his action and support in the Clean Water Project, 1972 7. Letter of Thanks from Charles A. Meyer to JFF 1970 8. Four photographs of JFF accepting various awards 9. Article in the bimonthly publication "Boundary Marker" honoring JFF 1972 10. Letter from Perini Corporation in appreciation of JFF's work in some sort of settlement dated Oct 11, 1966, 11. Letter by Paul Hassler honoring JFF written to the magazine Civil Engineer no date 12. Brochure of materials supporting nomination of Joseph Friedkin for the 1982 John I. Parcel-- Leif J. Sverdrup for the Civil Engineering Management Award 13. Award letter from American Society of Civil Engineers making JFF and honorary member May 6, 1977, 14. Certificate for participation in a conference on "Use of Resources on the Border" from the University of Queretaro.
8	3	Presidential Agreement on Boundary Settlement Puerto Vallarta, August 21, 1970	1970	Photos and press releases of 1970 Boundary Treaty signing at Puerto Vallarta
8	4	Correspondence & Petitions, Joseph F. Friedkin, In Nomination for Honorary Membership in the American Society of Civil Engineers	1977	Correspondence supporting Joseph Friedkin's Nomination for an Honorary Membership in the American Society of Civil Engineers
8	5	Water Forum '81- San Francisco, August 10-12, 1981 (Royce J. Tipton Award)	1981	Handouts, pamphlets, literature, and papers associated with JFF receipt of the Royce Tipton Award at the 1981 Water Forum in San Fran. Cal.
8	6	Army Commendation Ribbon	1947	Certificate of Citation from US Army, JFF's Army Commendation Ribbon
8	7	[Assorted Documents]	1963, 1989, 1994, 1981, 1967	Reports and documents detailed as follows: 1. Dept of State paper describing the Chamizal Settlement 1963 7 pages 8.5 x 11 2. Paper by Steve Mumme describing workings of the International Boundary and Water Commission, 1989 11 pages 8.5 x 11 3. Paper by 2 Israeli Professors entitled, "Development of Institutional frameworks for the management of transboundary water resources" 30 pages, 8.5 x 11 4. Brochure by "International Transboundary Resources Center" article by Stephen

				<p>P. Mumme, "New Directions in United States--Mexican Transboundary Environmental Management: A Critique of Current Proposals." Published by the University of New Mexico School of Law, 1994 5. Brochure by "International Transboundary Resources Center" article by Stephen P. Mumme Innovation and Reform in Transboundary Resource Management: A Critical Look at the International Boundary and Water Commission, United States and Mexico. Published by the University of New Mexico School of Law, 1994 6. Brochure of Joint Projects of the United States and Mexico through the International Boundary and Water Commission, Published by IBWC 1981 7. Colored Newspaper picture of artist rendering of US Mexico border with all town noted. 4" x 7" 8. Color photograph of LBJ and Mrs. Johnson at Chamizal ceremony, 3" x 4". 9. Brochure published by State Department, "Hands Across the Border, The Story of the Chamizal" 1967.</p>
8	8	[Amistad Dam Presidential Meeting at Del Rio-Acuna December 3, 1966]	1966	Photographs rehoused into archival photo sleeves; original order of photographs was maintained from original plastic sleeves
8	9	[IBWC: Minute 218 Signing]	1965	Photo Album of signing of IBWC Minute 218, 1st Colorado River Salinity Problem Agreement. Copy of Minute 218 and Commissioners Friedkin and David Herrera Jordan. Congratulatory letters and press releases
8	10	[Presa de la Amistad]	1960	Brochure in Spanish <i>Presa de la Amistad</i>
8	11	Correspondence, Clippings, Notes	1967, 1977, 1986, 1993	<p>Documents, newsclips, photographs, and personnel letters detailed as follows:</p> <p>1. Two small packets concerning all types of IBWC issues, IWC project data, flow diagrams, Tijuana data, Chamizal, Colorado River salinity. These are small notebook sheets (2" x 5") typed. Each packet is held with a small black clip 2. Recommendation letter by Hon. E. (Kika) de la Garza</p>

				<p>for Rockefeller Public Service Award, dated July 26, 1977, 3. Technical Paper for "International Conference on Water" giving a detailed description of purpose, objective, and accomplishments of IBWC by Joseph Friedkin and David Herrera Jordan, May 23 - 30, 1967, 10 pages , 8.5" x 11" 4. Chamizal commemorative Silver Medal, cover letter 5. Small Brochure on Amistad Dam and Reservoir Project. Performance/Design Data 6. Congratulatory Letter from Stephen E. Aguirre, Oct 30, 1967, to JFF on implementation of Chamizal Project 7. Copy of EP Times article where JFF is inducted to El Paso Hall of honor 8. Newspaper article, Harlingen Valley Morning Star, July 26, 1986, "Friedkin presented award by Schultz." 9. Brochure in Spanish title "Ejemplo de Cooperacion Entre dos Paises" published by IBWC 1993.</p>
8	12	[JFF Documents 1/2]	1967, 1968, 1976, 1977, 1986	<p>Documents, newsclips, photographs, and personnel letters detailed as follows:</p> <p>1. White House letter signed by Lyndon Johnson congratulating JFF on Chamizal project, Oct 28, 1967. On bond paper 5" X 7" 2. White House Letter raising JFF from Commissioner to Ambassador July 2, 1968, 3. Confidential letter concerning JFF's salary and position caused by Government Employees Salary Reform Act of 1964. June 12, 1968, 3 pages, 8.5 x 11 4. JFF's retirement letter to President Reagan with a detailed description of IBWC Commissioner's job. 1986 5. List of JFF's travels in 1986 6. State Department memorandum concerning opinions of various Congressman on the performance of U.S. section of IBWC. 2 pages 1976 7. Daily appointment schedule of George Schultz, June 5, 1986, 8. Professional sketch (resume) of JFF 9. Correspondence from A.J. Moore to JFF concerning the political situation in the Lower Rio Grande valley. Sept 23, 1968, 10. Correspondence from</p>

				ASCE selecting him an honorary member, October 19, 1977, 11. Letter from Tom Mann to Dennis Longoria, recommending JFF for the Mr. South Texas award.
8	13	[JFF Documents 2/2]	1967, 1977, 1981, 1984, 1986	<p>1. Congressional Record "Copy of Speech by Representative Kiki de La Garza about JFF on his retirement, May 9, 1986, 2- 8.5 x 11 sheets 2. Thank you letter JFF to Kika de la Garza about retirement speech to congress 8.5x11, May 20, 1986, 3. Resolution passed by Lower Rio Grande Valley Development Council thanking JFF, 1 8.5 x 11 sheet mounted on blue bond paper 4. Original Letter of Appreciation from Lloyd Bentsen for his services, dated June 23, 1986, 5. Congratulatory Letter from John Gavin, former ambassador of Mexico upon his retirement, 5"x7" stationary July 15, 1986, 6. 8.5 x 11 photo of JFF with Pete Wilson 7. 11- 8.5 x 11 photos as follows: LBJ with JFF at opening of new Rio Grande Channel, 2 photos with Edward Muskie, 1 with Lloyd Bentsen, 1 at joint signing of the Chamizal treating, 1 at a town meeting in Candelaria, Texas 8. Letter of appreciation from Ronald Reagan Feb 27, 1984, 9. Publication describing the Joint Projects (U.S. and Mexico) through IBWC 1981, by IBWC. EXCELLENT DOCUMENT AND DESCRIPTIONS 10. Letter from Kika de la Garza concerning Rockefeller Public Service Award date July 15, 1977 11. Letter from JFF to Kika de la Garza thanking him for the Rockefeller Public Service recommendation 12. Copy of Congressional Record concerning JFF mounted on stiff cardboard</p>
8	14	[Chamizal Signing Ceremony]	1967	Photographs of Chamizal signing ceremony; 3x5 (3), 8.5x11, one of President Johnson shaking hands with JFF, two with LBJ and Ex-President Lopez Mateo, one in color and one autographed and addressed to JFF
8	15	Chamizal photos & Correspondence	1961, 1962	Letter and telegrams of congratulations concerning settlement

				of the Chamizal Issue. These letters are from Kennedy, Lyndon Johnson and Dean Rusk. Lovely letter praising JFF by Chris Fox. Nine 8.5" by 11" photographs of JFF at various awards ceremonies. One photograph of Lopez Mateo speaking with Jackie Kennedy and Pres Kennedy seated beside speaker.
8	16	Appointment	1960, 1961, 1962	Documents, newsclips & correspondence on appointment of JFF as Commissioner April 1, 1962, by President Kennedy including predecessor L.H. Hewitt retirement letter; VP LBJ letter of April 5, 1962, on confirmation; letters of 1961 letters of JFF lobbying for Commissioner's job.
8	17	J.F. Friedkin Professional Record [1/2]	1960s	Various letters of congratulation on appointment as US Commissioner and background letters leading to appointment.
8	18	J.F. Friedkin Professional Record [2/2]	1960s	Various letters of congratulation on appointment as US Commissioner and background letters leading to appointment.
8	19	Panel Report-Colorado River Salinity Problem July 23, 1962	1962	Grouped in larger file holder with other documents relating to "A technical report on the increase in salinity of Colorado River water delivered to Mexico and Alternative solutions with Special Reference to the Gravity drains solution and Bypass Channel Solution
8	20	An Analysis of the Effects of Salinity of Colorado River Waters on Irrigated Crops in the Mexicali Valley	1972	Grouped in larger file holder with other documents relating to "A technical report on the increase in salinity of Colorado River water delivered to Mexico and Alternative solutions with Special Reference to the Gravity drains solution and Bypass Channel Solution
8	21	A Technical Report on The Increase in Salinity of Colorado Rivers Waters Delivered to Mexico and Alternative Solutions with Special Reference to the Gravity Drains and Bypass Channel Solution	1963	Grouped in larger file holder with other documents relating to "A technical report on the increase in salinity of Colorado River water delivered to Mexico and Alternative solutions with Special Reference to the Gravity drains solution and Bypass Channel Solution
8	22	Irrigation and River Control in the Colorado River Delta	1913	Aftermath with respect to 1903 flooding, American Society of Civil Engineers

8	23	Water Planning: Untapped Opportunity for the Western States	1988	Signed by Author: Prof. David H. Getches Inscribed to Friedkin. University of Utah College of Law
8	24	Newspaper Clippings	1944-1970s	1. Newsclips on JFF in Vicksburg Herald 1944& 1945 on delivery of his paper on "Laboratory Study of Elements of Meandering Streams 2. El Paso news clips on JFF named as IBWC Principal Engineer 3. Department of State release on JFF appointment in 1962 as IBWC commissioner, on signing of 1970 Boundary Treaty, and on naming to El Paso Hall of Fame,

Box 9

Box	Folder	Title	Year	Notes
9	1	[IBWC Photo: J. Friedkin with Joaquin Bustamente Redondo, Manuel Ybarra, and Lorenzo Padilla]	1979	Photo of IBWC - US Commissioner Friedkin & Mexican Commissioner Joaquin Bustamente Redondo, US Secretary Manuel R. Bob Ybarra and Mexican Secretary Lorenzo Padilla
9	2	[J. Friedkin Certificates]	1960, 1982, 1986	1. Outstanding Engineer of the Year 1959- American Society of Engineers 2. University of Texas at El Paso certificate of 50th Anniversary of Class of 1932 3. Texas Lions Camp Life Membership
9	3	[The Chamizal Solution a Moral Victory for Democracy]	1967	Amigo's magazine issue on Chamizal lands transfer to Mexico
9	4	Tide Tables: No. Gulf of California	1986	Tidal Data at the Mouth of Colorado River, depth of tide (meters) vs. time of day for the years, 1948, 1949, 1962m 1983, 1985, 1986
9	5	[Colorado River]	1973, 1986, undated	NOTE: Larger folded Maps and Documents should be rehoused. 1. 3 sets of stapled notebook sheets of written questions for the attorneys to ask plaintiff in Gasser vs United States lawsuit 30 pages 2. List of documentation requirements for Gasser vs US written on notebook paper by JFF 6 pages 3. Profile of Colorado River from Yuma to mouth 24" x 36" 4. Colored photograph of the Delta of Colorado River includes Salton Sea, 8.5" x 11" 5. Scaled topographic map of the Colorado river in Mexico, 11" x 13" 6. Colorado river hydrological records including, gage readings at the International Border for the months of March through June of 1986, schematic of Colorado River

				in Mexico 7. Personal notes from a conference, map of Lower Colorado River including United states and Mexico, copy of page 58 from the book Colorado Delta by Godfrey Sykes 8. Scaled map of, very detailed in Spanish of Colorado river in Mexico
9	6	[Colorado River: Gage Reading]	1985	Analytical analysis by JFF using gage reading on the lower Colorado to determine the volume of water discharged in Gulf of Lower California
9	7	Photographs	1963, 1966, 1969, 1973, 1986	Photos of Friedkin on various occasions: 1. Public Workmen of the year 1969 2. Chamizal Treaty Construction 1966 3. Signing of Minute 242 in Mexico City 1973 with Mexican Foreign Relations Secretary Emilio Rabasa 4. Portrait 1962 5. On Dias with President Kennedy and El Paso mayor Judson Williams June 1963 6. With wife Nellie May and Secretary of State Shultz on his retirement in 1986
9	8	[Correspondence to Friedkin from President Johnson]	1968	President Johnson's Acknowledgement of Chamizal Land Transfer album
9	9	[Chamizal Telegrams]	1963	Telegrams from President Kennedy and Secretary of State Dean Rusk to JFF congratulating JFF on key role in Chamizal Treaty negotiations.
9	10	[JFF Job Appointment 1934]	1934	IBWC Commissioner Lawson letter appointing JFF as junior engineer at \$1680 a year.
9	11	[Amistad Dam & Chamizal]	1962, 1967, 1969, 1981	1. "Amistad Dam and Reservoir" by IBWC" 1962, colored 2. "The Story of the Amistad Dam published by State Department, 1969 3. "Joint Projects of the United States Through the IBWC" published by IBWC 1981 4. "El Chamizal Fair and Harmonious Solution to a Century-Old Problem" 1967 published by Mexican Government 5. "Engineering News-Record, July 27, 1967, published by McGraw Hill 6. Professional Sketch of JFF by JFF 7. Copy of El Paso Times Newspaper article, "Chamizal debt still outstanding" by Victor Guzman.
9	12	[Development of the Rio Grande Compact of 1938]	1968	Report by consultant Raymond Hill
9	13	[Folded maps]	1967, 1970, 1973, 1981, 1983	NOTE: Maps should be rehoused flat as soon as oversized flat storage becomes available

				<p>1. Detailed map of Mexico at Delta of Colorado river published by Secretaria de Recursos Hidraulicos, 1970, scale, 2" = 10 kilometers, blueprint (2 copies) 2. Map and Operational Diagram of Diagram of Lower Colorado River, "Lees Ferry to Gulf of California", color, wonderfully detailed, 1" = 24 miles, published by Bureau of Reclamation, 1981 3. Irrigation Development Districts, Region 3, small size, black and white 4. Elevation (Profile) of Colorado River Bottom, Laguna Dam to 65.8 Miles below Southerly International Boundary, 1983, IBWC 5. Details of Drain Connection at KM 0+ 100, blueprint, 1973, Secretaria de Recursos Hidraulicos 6. Natural Water Table Iso's of the Colorado River delta in Mexico, 1966, blueprint, by Secretaria de Agricultura y Recursos Hidraulicos 7. "Operational Navigation Chart", Scale: 1:1,000,000, 1967 sheet no: ONC H-22. color published by Aeronautical</p>
9	14	[El Paso Herald Post: "Man on the Border: Joe Friedkin knew where to draw the line."]	1986	El Paso Herald Article, February 12, 1986 "Man on the Border" story about JFF retirement
9	15	[Premio Panamericano de Ingenieria, Union Panamericana de asociaciones de ingenieros]	1980	
9	16	[News clipping]	1967	

Box 10

Box	Folder	Title	Year	Notes
10	1	The Chamizal Ceremony, September 25, 1964	1964	
10	2	Dedication of the Amistad International dam by President Nixon and President Diaz Ordaz September 8, 1969	1969	
10	3	Retirement Scrapbook	1970s	Scrapbook of certificates, correspondence, other materials related to the retirement of Commissioner Friedkin
10	4	Plaques	1990, 1967	IBWC Minute No. 283 Commemoration (1990), Chamizal Commemoration (1967)

Box 11

Box	Folder	Title	Year	Notes
11	1	Portrait: Joseph F. Friedkin	1962	

11	2	[Maps]	1928, 1936, 1940, 1945, 1967, 1969, 1979	1. Operational Navigation Chart, Scale: 1:1,000,000, 1967 Sheet no. ONC G-18, Color (1967) [Rehoused from Box 9 due to size] 2. Joint Operations Graphic (Ground), Scale 1: 250,000, 1969 (1969) 3. Rolled map: Mouth of Colorado River 4. Map of the Colorado Delta Region (1936) 5. Mexicali Valley-San Luis Valley 6. Historic Overflow Areas (1979), Lands Irrigable and Irrigated from Colorado River in Lower California Mexico (1928) 7. Map of Imperial Valley and Mexicali (Undated), Distrito de Riego del Rio Colorado (1945) 8. Map of Imperial California and Mexico (1940)
11	3	[Certificates]	1932, 1977, 1980	1. J. Friedkin Bachelor's Degree Diploma (1932) 2. Department of the Army: Certificate of Appreciation for Patriotic Civilian Service (1980) 3. American Society of Civil Engineers, Honorary member (1977)
11	4	[Assorted Photographs]	1964, 1977, and Undated	Images depicting J. Friedkin in groups, and at Amistad Dam. Photos are not identified
11	5	Superficie Total Cultivada en el Valle de Mexicali	1973	Data Chart [rehoused from box 9 due to size]
11	6	U.S Geological Survey Negative	1987	
11	7	U.S Geological Survey Negative	1996	
11	8	U.S Geological Survey Negative	1988	Slight Deterioration of Negative
11	9	ASCE President's Award	1984	
11	10	The Chamizal Settlement	1963-1968	