

Appendix 1D

Relevant Existing Planning Documents Summary

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Study ID	Title	Prepared By	Prepared For	Publication Date
1	Federal Flood Assessment Conference Recommendations and Proceedings	Dr. Ari Michelsen, El Paso Agricultural Research Center, Texas Agricultural Experiment Station, Texas A&M University	16th Congressional District of Texas	9/6/2006
2	Meteorological Aspects of the 2006 El Paso Texas Metropolitan Area Floods, Vol 33, No 1, National Weather Digest	Joseph Rogash, et al, NOAA, National Weather Service, Santa Teresa, NM/El Paso, TX	NOAA, National Weather Service, Weather Forecast Office	8/1/2009
3	DRAFT EPCWID Incident Report, Arroyo Flow and Flooding into Mesa Spur Drain Near Mankato Road, July 22, 2017 @ 4 pm	EPCWID No. 1	EPCWID No. 1	July 2017
4	Final - Evaluation of Reduced Flow Capacity of the Rio Grande and the Impacts on the Operations of the Rio Grande Project Leasburg Dam to American Dam, Phase I - Main Channel and Floodways - Anthony, NM to American Dam	Joint Committee on Rio Grande Project Flood Risk	Elephant Butte Irrigation District, City of El Paso EPWater/Stormwater, and El Paso County Water Improvement District No. 1	11/26/2019
5	Building Resilience to Drought in Big Bend Creeks Through Stream Flow Harvesting and Reforestation, Chihuahuan Desert Conservation Partnership Field Trip, Fall 2021	Jeff Bennett, Rio Grande Joint Venture; Philip Boyd, Dixon Water Foundation	Chihuahuan Desert Conservation Partnership	Fall 2021
6	The Role of Feedback Mechanisms in Historic Channel Changes of the Lower Rio Grande in the Big Bend Region	David J. Dean, John C. Schmidt, Dept of Watershed Sciences, Utah State Univ., Logan, UT	Elsevier, GEOMOR-03223	3/9/2010
7	The Geomorphic Effectiveness of a Large Flood on the Rio Grande in the Big Bend Region: Insights on Geomorphic Controls and Post-Flood Geomorphic Response	David J. Dean, John C. Schmidt, Dept of Watershed Sciences, Utah State Univ., Logan, UT	Elsevier, Geomorphology 201 (2013)	6/28/2013
8	Atlas-14 Precipitation Research and Analysis for the City of El Paso	Clinton Kimball, AECOM	El Paso Water	12/20/2019
9	Emergency Action Plan, City of El Paso High Hazard Dams	URS Corp	City of El Paso and El Paso Water Utilities	7/1/2010
10	Technical Memo - Existing Condition Analysis & Improvement Concepts, South Central Street and Drainage Projects, Simplified Master Drainage Study	Chris Wright, AECOM	Geoffrey Espineli, CNU-A, City of El Paso	5/26/2015
11	Technical Memo - Comment Responses and General Discussion to Simplified Master Drainage Study, Existing Condition Analysis & Improvement Concepts	Chris Wright, AECOM	Yesenia Castro, City of El Paso	11/23/2015
12	El Paso Stormwater Master Plan	URS Corp and Moreno Cardenas, Inc.	El Paso Water and the City of El Paso	3/1/2009
13	El Paso Stormwater Master Plan Update	Jeff Irvin, Gilbert Andujo, AECOM	El Paso Water and the City of El Paso	7/15/2021
14	Concho Valley Council of Governments, Hazard Mitigation Plan Update, 2012 - 2017	H2O Partners, Inc.	CVOCOG	Unknown
15	Preliminary Engineering Analysis - Rio Grande Outlet Structures	Conde, Inc., EMC	City of El Paso	7/1/2007
16	Metropolitan Transportation Plan, Destino 2045	El Paso Metropolitan Planning Organization Transportation Project Advisory Committee, Texas Dept of Transportation, New Mexico Dept of Transportation	Alliance Transportation Group	5/18/2018
17	Figure 8-35. DRAFT Doniphan System, Doniphan Ditch (NW1 & NW2), Northwest Region, El Paso Stormwater Master Plan	URS Corp and Moreno Cardenas, Inc.	El Paso Water and the City of El Paso	11/1/2010
18	Supplemental Information to Tech Memo, Doniphan Ditch Upstream Project, El Paso, Texas	Quantum Engineering Consultants, Inc.	El Paso Water Utilities	10/4/2010
19	Dam Analysis Report, Drainage On-Call Services	Jeff Irvin, URS Corp	City of El Paso	2/21/2008
20	Plan El Paso, A Policy Guide for El Paso for the next 25 years and beyond, Vol 1, City Patterns	Various	City of El Paso	3/6/2012

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21	Final Results of Hydraulic Study, El Paso County, TX	Compass PTS JV, Arlington, VA	DHS/FEMA, Region 6, Washington DC	6/30/2019
22	Final Results of Hydrology Study, El Paso County, TX	Compass PTS JV, Arlington, VA	DHS/FEMA, Region 6, Washington DC	6/30/2019
23	Controlled Reclamation, Managing Water in the West, Emergency Flood Response, Elephant Butte & Caballo Dams Emergency Action Plan, Rio Grande Project, Albuquerque Area Office, Upper Colorado Region	Albuquerque Area Office, Bureau of Reclamation, U.S. Dept of the Interior	Albuquerque Area Office, Bureau of Reclamation, U.S. Dept of the Interior	10/1/2018
24	El Paso County Interior Drainage Study, Methodology and Mapping Results Report	Chris Wright, AECOM	City of El Paso and El Paso Water Utilities	2/6/2021
25	El Paso County Stormwater Master Plan	URS Corp	El Paso Water Utilities, TWDB, and El Paso County	8/1/2010
26	El Paso County Stormwater Master Plan	AECOM	El Paso Water Utilities, TWDB, and El Paso County	2/1/2021
27	City of El Paso, Rio Grande River, EP2A Levee Certification Summary Report	AECOM	City of El Paso	3/11/2020
28	Flood Frequency Determination, El Paso County and Incorporated Communities, Texas, Disaster Response Flood Recovery Data	Mapping Alliance Partnership, Albuquerque, NM	FEMA, Region VI, Denton, TX	3/26/2007
29	High Water Mark Data Collection for El Paso County and Incorporated Communities, Texas	Mapping Alliance Partnership, Albuquerque, NM	FEMA, Region VI, Denton, TX	2/23/2007
30	Flood Insurance Study, Brewster County, Texas. Unincorporated Areas	FEMA	FEMA	4/2/1991
30a	Flood Insurance Study, City of Alpine, Texas. Brewster County.	FEMA	FEMA	11/16/1990
30b	Flood Insurance Study, city of Balmorhea, Texas. Reeves County.	FEMA	FEMA	9/16/1988
30c	Flood Insurance Study, City of Sonora, Texas. Sutton County	FEMA	FEMA	2/17/1989
30d	Flood Insurance Study, City of Van Horn, Texas. Culberson County.	FEMA	FEMA	11/2/1994
30e	Flood Insurance Study, Ector County, Texas and incorporated areas. Ector County, City of Goldsmith, City of Odessa.	FEMA	FEMA	3/15/2012
30f	Flood Insurance Study, Volume 1 of 5, City of El Paso, Texas. El Paso County.	FEMA	FEMA	2/16/2006
30g	Flood Insurance Study, Volume 2 of 5, City of El Paso, Texas. El Paso County.	FEMA	FEMA	2/16/2006
30h	Flood Insurance Study, Volume 3 of 5, City of El Paso, Texas. El Paso County.	FEMA	FEMA	2/16/2006
30i	Flood Insurance Study, Volume 4 of 5, City of El Paso, Texas. El Paso County.	FEMA	FEMA	2/16/2006
30j	Flood Insurance Study, Volume 5 of 5, City of El Paso, Texas. El Paso County.	FEMA	FEMA	2/16/2006
30k	Flood Insurance Study. FEMA. Volume 1 of 8. El Paso County, Texas and incorporated areas.	FEMA	FEMA	7/8/2020
30l	Flood Insurance Study. FEMA. Volume 2 of 8. El Paso County, Texas and incorporated areas.	FEMA	FEMA	7/8/2020
30m	Flood Insurance Study. FEMA. Volume 3 of 8. El Paso County, Texas and incorporated areas.	FEMA	FEMA	7/8/2020

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30n	Flood Insurance Study. FEMA. Volume 4 of 8. El Paso County, Texas and incorporated areas.	FEMA	FEMA	7/8/2020
30o	Flood Insurance Study. FEMA. Volume 5 of 8. El Paso County, Texas and incorporated areas.	FEMA	FEMA	7/8/2020
30p	Flood Insurance Study. FEMA. Volume 6 of 8. El Paso County, Texas and incorporated areas.	FEMA	FEMA	7/8/2020
30q	Flood Insurance Study. FEMA. Volume 7 of 8. El Paso County, Texas and incorporated areas.	FEMA	FEMA	7/8/2020
30r	Flood Insurance Study. FEMA. Volume 8 of 8. El Paso County, Texas and incorporated areas.	FEMA	FEMA	7/8/2020
30s	Flood Insurance Study, El Paso County, Texas. Unincorporated areas.	FEMA	FEMA	9/4/1991
30t	Flood Insurance Study, Midland County, Texas and incorporated areas.	FEMA	FEMA	9/16/2005
30u	Flood Insurance Study. Val Verde County, Texas and incorporated areas.	FEMA	FEMA	7/22/2010
31	Flowpath 39 Flood Mitigation Alternatives. Final Report.	AECOM	El Paso Water Utilities	12/5/2016
32	El Paso Water. Final Survey for the Rio Grande Storm Upstream/Outfall Structures.	Frank X. Spencer & Associates, Inc.	El Paso Water	4/29/2019
33	Hudspeth County, Texas. Villa Alegre, Fort Hancock East Unit 1, & Fort Hancock East Unit 2. Colonia Area Study and Plan 2019 - 2029.	GreatWorks	Commissioners Court of Hudspeth County, Texas	12/1/2019
34	Channel Maintenance Alternatives and Sediment-transport Studies for the Rio Grande Canalization Project: Final Report	Tetra Tech	International Boundary and Water Commission	10/20/2015
35	Final Environmental Assessment. Improvements to the Rio Grande Rectification Project.	Parsons	United States Section, International Boundary and Water Commission United States and Mexico.	3/1/2009
36	Conceptual Restoration Plan and Cumulative Effects Analysis, Rio Grande - Caballo Dam to American Dam, New Mexico and Texas.	U.S. Army Corps of Engineers. Albuquerque District.	United States Section International Boundary and Water Commission (USIBWC) Under (MOU) IBM 92-21, IWO No. 31	3/5/2009
37	Hydrologic and Hydraulic Analysis of the Montoya and Nemexas Drains and Contributing Drainage Areas	URS	El Paso Water Utilities, Stormwater Engineering, El Paso.	10/27/2014
38	Technical Memorandum with Project Recommendation. Montoya Drain H&H Analysis.	AECOM	El Paso Water Utilities. Ryan Stubbs.	1/27/2016
39	Hydrologic Analysis Review Memorandum. Rio Grande-Caballo Dam to Ft Quitman.	AECOM		7/12/2019
40	Technical Memorandum. Rio Grande (El Paso County, Texas). Hydraulic Analysis.	AECOM	El Paso County, Texas	2/10/2020
41	Natural Valley Analysis Pre-LAMP Report.	Federal Emergency Management Agency		10/28/2016
42	Monthly Report of Hydrologic Conditions	U.S. Department of Commerce. National Oceanic and Atmospheric Administration.	Hydrometeorological Information Center	9/1/2008
43	2019 Water Management and Civil Works Activities. Pecos River Basin.	U.S. Army Corps of Engineers. Albuquerque District.		4/7/2020
44	Pecos River Basin Salinity Assessment, Santa Rosa Lake, New Mexico, to the Confluence of the Pecos River and the Rio Grande, Texas, 2015. Scientific Investigations Report 2019-5071.	U.S. Army Corps of Engineers, New Mexico. Interstate Stream Commission, Texas Commission on Environmental Quality, and Texas Water Development Board.	U.S. Department of the Interior. U.S. Geological Survey.	2/1/2015

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45	Reclamation Managing Water in the West, Emergency Action Plan, Avalon Dam, Carlsbad Project, New Mexico	U.S. Dept of the Interior, Bureau of Reclamation, Upper Colorado Region, Albuquerque Office	Carlsbad Irrigation District, Carlsbad, New Mexico	5/1/2013
46	Probable maximum precipitation update.	Freese and Nichols, Inc.	El Paso Water	6/1/2018
47	Multi-Hazard Mitigation Action Plan. 2015 El Paso County, Texas.	Rio Grande Council of Governments. URS.	El Paso County, Texas	12/5/2018
48	Wetlands, Vol. 18, No. 4. Chronology of the spread of Tamarisk in the Central Rio Grande.	Benjamin L. Everitt. Utah Division of Water Resources.	The Society of Wetland Scientists	2006-2007
49	Drainage Feasibility Study. Socorro Rd. Intersections with San Antonio St. & Main St.	Brock & Bustillos Inc.	City of San Elizario	1/1/2021
50	Southwest Weather Bulletin. National Weather Service El Paso/Santa Teresa.	National Weather Service El Paso/Santa Teresa	NWS	9/1/2020
51	Far West Texas Water Plan	Far West Texas Water Planning Group	Texas Water Development Board	8/21/2020
52	Statewide Survey of Aquifer. Suitability for Aquifer Storage and Recovery Projects or Aquifer Recharge Projects.	HDR	Texas Water Development Board	4/16/2001
53	Cebada Pump Station Wet Well Improvements. Feasibility Study. Final Report.	AECOM	El Paso Water	12/1/2018
54	Climate Change Recommendations for Regional Flood Planning. OSC Report 2021-01		Office of the Texas State Climatologist.	12/1/2018
55	Bridge Scour Analysis for US 190 at Draw	Civil Tech Engineering, Inc.	Texas Department of Transportation. Pecos County.	5/1/2020
56	Bridge Scour Analysis for US 190 at Richburg Draw. TxDOT CSJ No. 1640-01-005	Civil Tech Engineering, Inc.	Texas Department of Transportation. Pecos County.	2/1/2013
57	Drainage Study for FM 170 from Candelaria to US-67	AECOM	TxDOT Presidio County, Texas	1/1/2019
58	Preliminary Engineering Drainage Report. Border Highway West Extension Loop 375.	Moreno Cardenas Inc.	TxDOT El Paso, Texas	10/1/2005
59	Drainage Study for SH 20 (Mesa Street) From Doniphan Drive to Texas Avenue	AECOM	TxDOT El Paso, Texas	January 2019
60	FLO-2D Model Development below Caballo Dam URGWOM	Tetra Tech. Inc.	U.S. Army Corps of Engineers	2005
61	URGWOM FLO-2D Model Development. Rio Grande - American Dam to Fort Quitman, TX	Mussetter Engineering, Inc.	U.S. Army Corps of Engineers. Albuquerque District and International Boundary and Water Commission, El Paso, Texas.	
62	Draft - HEC-RAS Model Development for the Rio Grande Canalization Project	Mussetter Engineering, Inc.	URGWOM	11/14/2007
63	Cibolo Creek, Presidio, Texas, Vol 1 - Main Report; Feasibility Report for Water Resources Development	USACE, Albuquerque District, Albuquerque, NM	USACE	5/1/1976
64	Interior Drainage Analysis Report for El Paso, Texas, Doniphan Drive, Borderland to American Dam	3AEGREEN - A Joint Venture	USACE and El Paso Water Utilities	3/16/2018
65	Technical Memo - Keystone Dam - Limited Seepage Study, El Paso, Texas	Arias & Associates, Inc. and URS Corporation	URS Corporation	11/6/2014
66	Hydrologic, Hydraulic, & Sediment Analysis for Northwest El Paso, TX, Arroyos 38 to 48 Final Report	Southwest Water Design, LLC - A Joint Venture	USACE, Albuquerque District, Albuquerque, NM	5/1/2015
67	Rio Grande Canalization Project - LiDAR and Orthophotography Report	Wilson & FNI JV	IBWC	6/12/2020

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68	O&M Manual upper Rio Grande Projects	Upper Rio Grande Projects, American Dam/Carlos Marin Field Office, El Paso, TX	IBWC	10/1/2010
69	Flood Frequency Study for the Rio Grande Between El Paso, Texas/Juarez, Chihuahua and Brownsville, Texas/Matamoros, Tamaulipas	Engineering Services Division, US Section, IBWC, United States and Mexico	IBWC	Sept. 2003
70	Appendix A1, American Canal Hydrologic and Hydraulic Analysis Report	URS Corp., Dallas, TX	US Section, IBWC, El Paso, TX	8/9/2021
71	Rehabilitation Improvements for the Rio Grande Canalization Protective Levee System, Canutillo Phase II, El Paso, Texas - 100% Design Documentation Report	URS Group, Inc., Austin, TX	US Section, IBWC, El Paso, TX	8/1/2013
72	Rehabilitation Improvements for the Rio Grande Canalization Protective Levee System, Canutillo Phase II - Hydrologic & Hydraulic Analysis Report	URS Group, Inc., Austin, TX	US Section, IBWC, El Paso, TX	8/21/2013
73	Interior Drainage Hydrologic and Hydraulic Analysis for El Paso, TX, International Dam to Riverside Weir Report; Stormwater Master Plan Task Order No. 13	URS Corp, Austin, TX	US Section, IBWC, El Paso, TX	3/2/2019
74	State of Texas Hazard Mitigation Plan	Texas Dept of Public Safety, Emergency Mgmt	Texas Dept of Public Safety	10/1/2018
75	Geotechnical Investigation Report, Keystone Dam Sluice Gate Modification, El Paso, Texas	URS Corp.	El Paso Water Utilities	Nov. 2014
76	City of El Paso Flood Risk Management, TX, Investigations	USACE, Albuquerque District, Albuquerque, NM	USACE	
77	Flood Control Challenges of the El Paso Central Watershed	EPWater	USACE	
78	A Watershed Protection Plan for the Pecos River in Texas	Lucas Gregory, Texas Water Resources Institute and Will Hatler, Texas AgriLife Extension Service	TSSWCB and USEPA	10/1/2008
79	Andrews County Subdivision and Development Regulations	Andrews County Commissioner's Court	Andrews County Commissioner's Court	6/16/2014
80	Flood Damage Prevention Ordinance	Brewster County Commissioner's Court	Brewster County Commissioner's Court	12/13/2017
81	Ector County Multi-jurisdictional Hazard Mitigation Plan	H2O Partners, Inc	Ector County, City of Odessa, City of Goldsmith	2011
82	El Paso County Multi-Hazard Mitigation Action Plan	URS/Rio Grande Council Of Governments	El Paso County; Cities of El Paso, Socorro; Towns of Anthony, Clint, Horizon City, Vinton	2015
83	Hazard Mitigation Action Plan for the Rio Grande Border	H2O Partners, Inc	Rio Grande border region, multiple communities	10/20/2008
84	Environmental Flows Recommendations Report	The Upper Rio Grande Basin & Bay Expert Science Team	Environmental Flows Advisory Group, Rio Grande Basin and Bay Area Stakeholders Committee, and TCEQ	7/12/2012
85	Economic effects of a reservoir re-operation policy in the Rio Grande/Bravo for integrated human and environmental water management	J. Pablo Ortiz-Partida (Graduate Student Researcher)1, B.A. Lane (Graduate Student Researcher)1, S. Sandoval-Solis (Assistant Professor) Department of Land, Air and Water Resources, University of California, Davis, USA	Journal of Hydrology: Regional Studies	8/11/2016
86	Assessing the State of Water Resources Management Policies and Water Resources Planning Tools for the Rio Grande/Bravo	S. Sandoval-Solis, J. Pablo Ortiz-Partida Department of Land, Air and Water Resources, University of California, Davis, USA	State of WRM policies and tools for the Rio Grande/Bravo Activities Report	3/1/2017
87	Environmental Flows Recommendations Report	Upper Rio Grande Basin and Bay Expert Science Team	Environmental Flows Advisory Group, Rio Grande Basin and Bay Area Stakeholders Committee, and Texas Commission on Environmental Quality	7/1/2012

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88	Final Hydraulic Report/Drainage Study for the City of Presidio, Texas	S&B Infrastructure, LTD.	Border Environment Cooperation Committee, City of Presidio	August 2008
89	Northeast Sump Improvements – Hydrologic and Hydraulic Analysis	MCI	El Paso Water Utilities	November 13, 2017
90	Doniphan Storm Water Pump Stations PS1 and PS2 System Evaluation and Potential Improvements	URS	El Paso Water Utilities	July 2014
91	Interior Drainage And River Hydraulics Analysis Draft Report	URS	USIBWC	January 2013