

Appendix 1A

Entities with Flood-Related Authorities or Responsibilities

Appendix Table 1A: Entities with Flood-Related Authorities or Responsibilities¹⁷

Entity	Entity Type	Political Subdivision (Y/N)	Entity Active in Flood Planning (Y/N)
Andrews County	County	Y	Y
Brewster County	County	Y	Y
Crane County	County	Y	Y
Crockett County	County	Y	Y
Culberson County	County	Y	Y
Ector County	County	Y	Y
Edwards County	County	Y	Y
El Paso County	County	Y	Y
Hudspeth County	County	Y	Y
Jeff Davis County	County	Y	Y
Loving County	County	Y	Y
Midland County	County	Y	Y
Pecos County	County	Y	Y
Presidio County	County	Y	Y
Reagan County	County	Y	Y
Reeves County	County	Y	Y
Schleicher County	County	Y	Y
Sutton County	County	Y	Y
Terrell County	County	Y	Y
Upton County	County	Y	Y
Val Verde County	County	Y	Y
Ward County	County	Y	Y
Winkler County	County	Y	Y
Alpine city	Municipality	Y	Y
Anthony town	Municipality	Y	Y
Balmorhea city	Municipality	Y	Y
Barstow city	Municipality	Y	N
Clint town	Municipality	Y	Y
Crane city	Municipality	Y	Y
Dell City city	Municipality	Y	Y
El Paso city	Municipality	Y	Y
Fort Stockton city	Municipality	Y	Y

¹⁷ Acronyms: FWSD (Fresh Water Supply District), MMD (Municipal Management District), MUD (Municipal Utility District), SHS (State Historic Site), SNA (State National Area), SP (State Park), WCID (Water Control and Improvement District), WID (Water Improvement District), WSD (Water Supply District), WMA (Wildlife Management Area)

Entity	Entity Type	Political Subdivision (Y/N)	Entity Active in Flood Planning (Y/N)
Grandfalls town	Municipality	Y	Y
Horizon City city	Municipality	Y	Y
Iraan city	Municipality	Y	Y
Kermit city	Municipality	Y	Y
Marfa city	Municipality	Y	Y
McCamey city	Municipality	Y	Y
Monahans city	Municipality	Y	Y
Pecos city	Municipality	Y	Y
Presidio city	Municipality	Y	Y
Pyote town	Municipality	Y	Y
Rankin city	Municipality	Y	N
San Elizario city	Municipality	Y	Y
Socorro city	Municipality	Y	Y
Sonora city	Municipality	Y	Y
Thorntonville town	Municipality	Y	N
Toyah town	Municipality	Y	Y
Valentine town	Municipality	Y	N
Van Horn town	Municipality	Y	Y
Vinton village	Municipality	Y	Y
Wickett town	Municipality	Y	N
Wink city	Municipality	Y	N
Amistad National Recreation Area	Other	N	N
Balmorhea SP	Other	N	N
Big Bend National Park	Other	N	Y
Big Bend Ranch SP	Other	N	N
Black Gap WMA	Other	N	N
Butterfield Trail MUD 1	Other	Y	Y
Butterfield Trail MUD 2	Other	Y	Y
Chamizal National Memorial	Other	N	Y
Chinati Mountains SNA	Other	N	N
City of El Paso MMD 1	Other	Y	N
Concho Valley Council of Governments	Other	Y	Y
Crane County Water District	Other	Y	Y
Crockett County WCID 1	Other	Y	Y
Crockett SWCD	Other	N	Y
Davis Mountains SP	Other	N	N

Entity	Entity Type	Political Subdivision (Y/N)	Entity Active in Flood Planning (Y/N)
Devils River SNA - Big Satan Unit	Other	N	N
Devils River SNA - Del Norte Unit	Other	N	N
Edwards Plateau SWCD	Other	N	Y
El Paso County MUD 3	Other	Y	Y
El Paso County MUD 4	Other	Y	Y
El Paso County Tornillo WID	Other	Y	Y
El Paso County WCID 4	Other	Y	Y
El Paso County WID 1	Other	Y	Y
El Paso Downtown Management District	Other	Y	N
El Paso Water	Other	N	Y
El Paso-Hudspeth SWCD	Other	N	Y
Eldorado Divide SWCD	Other	N	Y
Elephant Butte Irrigation District, Precinct 9	Other	Y	Y
Elephant Mountain WMA	Other	N	N
Esperanza FWSD 1 of Hudspeth County	Other	Y	Y
Fort Bliss, U.S. Army	Other	N	Y
Fort Davis National Historic Site	Other	N	Y
Fort Hancock WCID	Other	Y	Y
Fort Leaton SHS	Other	N	N
Franklin Mountains SP	Other	N	N
Guadalupe Mountains National Park	Other	N	N
Haciendas Del Norte WID	Other	Y	N
Highland SWCD	Other	N	Y
Highpoint SWCD	Other	N	Y
Horizon Regional MUD	Other	Y	Y
Hudspeth County Conservation & Reclamation District 1	Other	Y	Y
Hudspeth County CRD 1	Other	N	Y
Hudspeth County UWCD 1	Other	N	Y
Hudspeth County WCID 1	Other	Y	Y
Hueco Tanks SP & SHS	Other	N	N
International Boundary And Water Commission	Other	N	Y
Loving County WID 1	Other	Y	Y
Lower Valley Water District	Other	Y	Y
Maderas del Carmen Wildlife and Plant Protection Area	Other	N	N
Mexico Comision Internacional De Limites Y Aguas	Other	N	Y
Middle Rio Grande Development Council	Other	Y	Y

Entity	Entity Type	Political Subdivision (Y/N)	Entity Active in Flood Planning (Y/N)
Monahans Sandhills SP	Other	N	N
Montecillo MMD 1	Other	Y	Y
National Park Service	Other	N	Y
Ocampo Wildlife and Plant Protection Area	Other	N	N
Paseo Del Este MUD 1	Other	Y	Y
Paseo Del Este MUD 10	Other	Y	Y
Paseo Del Este MUD 11	Other	Y	Y
Paseo Del Este MUD 2	Other	Y	Y
Paseo Del Este MUD 3	Other	Y	Y
Paseo Del Este MUD 4	Other	Y	Y
Paseo Del Este MUD 5	Other	Y	Y
Paseo Del Este MUD 6	Other	Y	Y
Paseo Del Este MUD 7	Other	Y	Y
Paseo Del Este MUD 8	Other	Y	Y
Paseo Del Este MUD 9	Other	Y	Y
Pecos County WCID 1	Other	Y	Y
Pecos County WID 2	Other	Y	Y
Pecos County WID 3	Other	Y	Y
Permian Basin Regional Planning Commission	Other	Y	Y
Presidio County WID 1	Other	Y	Y
Reagan County WSD	Other	Y	N
Red Bluff Water Power Control District	Other	Y	N
Reeves County WID 1	Other	N	Y
Reeves County WID 2	Other	Y	Y
Rio Grande Council of Governments	Other	Y	Y
Rio Grande Wild and Scenic River	Other	N	Y
Rio Grande-Pecos River SWCD	Other	N	Y
Santa Elena Canyon Wildlife and Plant Protection Area	Other	N	N
Seminole Canyon SP & SHS	Other	N	N
Sierra Diablo WMA	Other	N	N
State of Texas	Other	Y	Y
Terrell County WCID 1	Other	Y	Y
Texas General Land Office	Other	N	Y
Texas Parks And Wildlife Department	Other	N	Y
Texas State University System	Other	N	Y
Tornillo Management District	Other	Y	Y

Entity	Entity Type	Political Subdivision (Y/N)	Entity Active in Flood Planning (Y/N)
TxDOT	Other	N	Y
U.S. Army	Other	N	N
Upper Rio Grande Regional Flood Planning Group	Other	Y	Y
Upton County Water District	Other	Y	Y
US Department Of The Interior	Other	N	N
USACE	Other	N	Y
USACE - Albuquerque District	Other	N	Y
USIBWC	Other	N	Y
Val Verde County WCID-Comstock	Other	Y	N
Van Horn Municipal Services	Other	N	Y
Ward County Irrigation District 1	Other	Y	Y
Ward County Irrigation District 3	Other	Y	N
Ward County WID 2	Other	Y	Y
West Pecos Management District	Other	Y	Y

Appendix 1B

Existing Flood Infrastructure Summary

Appendix Table 1B.1: Existing Flood Infrastructure Summary (Part 1—Type/Description)

Existing Infrastructure ID	Counties	HUC8s	Feature Name	Infrastructure Type	Description	Natural or Constructed or Combination
Various	El Paso	13030102, 13040100	El Paso Co Ponds (Areas)	Constructed Ponds	138 Constructed Ponds (831 acres total)	Constructed
14006267	Brewster	13040204	Hammond Ranch Lake Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006280	Brewster	13040204	Ament Lake Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006281	Brewster	13040208	Sanderson Canyon WS SCS Site 1 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006294	Brewster	13040207	Meriwether Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006295	Brewster	13040207	Goddard Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006310	Brewster	13040207	Nevill Ranch Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006248	Crockett	13040301	Johnsons Draw WS SCS Site 1 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006249	Crockett	13040301	Johnsons Draw WS SCS Site 2 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006247	Crockett	13040301	Johnsons Draw WS SCS Site 3 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006250	Crockett	13040301	Johnsons Draw WS SCS Site 4 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006251	Crockett	13040301	Johnsons Draw WS SCS Site 5 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006252	Crockett	13040301	Johnsons Draw WS SCS Site 6 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006246	Crockett	13040301	Johnsons Draw WS SCS Site 7 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006215	Culberson	13050004	Harold Martin Lake Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006216	Culberson	13070004	Big Charlie Tank Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006264	Culberson	13050004	Horse Camp Tank Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006265	Culberson	13070002	Cowden Lake Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006282	Culberson	13050004	Three Mile And Sulfur Draw WS SCS Site 1 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006283	Culberson	13050004	Three Mile And Sulfur Draw WS SCS Site 2 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006243	Edwards	13040303	Dry Devils And Lowrey WS SCS Site 8 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006199	El Paso	13040100	Riverside Diversion Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006217	El Paso	13040100	Fabens Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006218	El Paso	13040100	Rattlesnake Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006219	El Paso	13040100	Cottonwood Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006220	El Paso	13040100	Roberts Tank Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed

Existing Infrastructure ID	Counties	HUC8s	Feature Name	Infrastructure Type	Description	Natural or Constructed or Combination
14006221	El Paso	13030102	Thorn Drive Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006222	El Paso	13030102	Portland Cement Reservoir Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006223	El Paso	13040100	International Diversion	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006224	El Paso	13040100	American Diversion	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006225	El Paso	13030102	Mulberry Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006226	El Paso	13040100	Northgate Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006227	El Paso	13040100	Fusselman Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006228	El Paso	13040100	Range Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006256	El Paso	13040100	Indian Cliff Ranch Main Lake Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006269	El Paso	13030102	Mesa Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006273	El Paso	13040100	North Hills Detention Pond 1 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006274	El Paso	13040100	Knapp Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006276	El Paso	13040100	Americas Ten Detention Pond Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006277	El Paso	13040100	Hudspeth Regulating Reservoir No 1	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006279	El Paso	13040100	North Hills Detention Pond 2 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006296	El Paso	13050003	Hueco Tanks State Park Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006297	El Paso	13040100	Phelps Dodge Basin Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006298	El Paso	13040100	Van Buren Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006299	El Paso	13040100	Morehead Avenue Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006300	El Paso	13040100	Nashville Avenue Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006301	El Paso	13040100	Memphis Avenue Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006302	El Paso	13040100	Wheeling Avenue Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006303	El Paso	13040100	Copper Avenue Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006304	El Paso	13040100	Tremont Avenue Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006305	El Paso	13040100	Murchison Drive Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006306	El Paso	13040100	Denver Avenue Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006307	El Paso	13040100	Medical Center Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006308	El Paso	13030102	Montoya Detention Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006309	El Paso	13040100	San Diego Avenue Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006313	El Paso	13040100	Mountain Park Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006314	El Paso	13040100	Pershing Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006315	El Paso	13040100	Sunrise Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006316	El Paso	13030102	Keystone Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed

Existing Infrastructure ID	Counties	HUC8s	Feature Name	Infrastructure Type	Description	Natural or Constructed or Combination
14006317	El Paso	13030102	Oxidation Pond Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006318	El Paso	13040100	McKelligon Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006319	El Paso	13040100	Americas Basin Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006320	El Paso	13040100	Lomaland Basin Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006321	El Paso	13040100	Carolina Basin Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006322	El Paso	13040100	Portland Avenue Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006323	El Paso	13040100	Richmond Ave Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006200	Hudspeth	13040100	Diablo Arroyo WS SCS Site 1 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006201	Hudspeth	13040100	Madden Arroyo WS SCS Site 1 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006202	Hudspeth	13040100	Camp Rice Arroyo WS SCS Site 1 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006203	Hudspeth	13040100	Diablo Arroyo WS SCS Site 2 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006204	Hudspeth	13040100	Fort Quitman Lake Dam No 1	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006205	Hudspeth	13040100	Fort Quitman Lake Dam No 2	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006206	Hudspeth	13040100	Macho Arroyo WS SCS Site 1 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006207	Hudspeth	13040201	Gibson Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006208	Hudspeth	13040100	Alamo Arroyo WS SCS Site 1 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006209	Hudspeth	13040100	Alamo Arroyo WS SCS Site 3 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006275	Hudspeth	13040100	Tx No Name No 47 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006268	Hudspeth	13050004	Hitson-C&L-Washburn Draws WS SCS Site 2 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006275	Hudspeth	13040100	Hudspeth County Reservoir No 2 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006278	Hudspeth	13040100	Diablo Reservoir Levee	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006284	Hudspeth	13050004	Cornudas North And Culp Draw WS SCS Site 1 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006285	Hudspeth	13050004	Hitson C And L Washburn Draws WS SCS Site 1 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006286	Hudspeth	13050004	Hitson C And L Washburn Draws WS SCS Site 3 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006287	Jeff Davis	13070004	Cowden Ranch Pond No 14 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006213	Jeff Davis	13070003	T And P Railroad Lake Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed

Existing Infrastructure ID	Counties	HUC8s	Feature Name	Infrastructure Type	Description	Natural or Constructed or Combination
14006214	Jeff Davis/ Culberson	13070004	Levinson Reservoir Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006244	Loving	13070001	Red Bluff Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006229	Pecos	13070007	Comanche Creek Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006230	Pecos	13070007	Imperial Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006271	Pecos	13040211	Allison Ranch GSS Dam No 1	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006272	Pecos	13040211	Allison Ranch GSS Dam No 2	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006288	Pecos	13040208	Sanderson Canyon WS SCS Site 2 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006289	Pecos	13040208	Sanderson Canyon WS SCS Site 3 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006210	Presidio	13040202	Sutton Lake Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006211	Presidio	13040202	Mimms Draw WS SCS Site 1 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006212	Presidio	13040202	San Esteban Lake Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006266	Presidio	13040204	Fowlkes Ranch Lake Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006270	Presidio	13040204	Montgomery Lake Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006245	Reeves	13070003	Balmorhea Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006311	Reeves	13070003	Section 304 Produced Water Pit	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006231	Schleicher	13040301	Dry Devils And Lowrey WS SCS Site 2 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006232	Schleicher	13040301	Dry Devils And Lowrey WS SCS Site 1 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006239	Sutton	13040301	Dry Devils And Lowrey WS SCS Site 10 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006240	Sutton	13040301	Dry Devils And Lowrey WS SCS Site 11 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006241	Sutton	13040301	Dry Devils And Lowrey WS SCS Site 12 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006242	Sutton	13040301	Dry Devils And Lowrey WS SCS Site 13 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006233	Sutton	13040301	Dry Devils And Lowrey WS SCS Site 3 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006234	Sutton	13040301	Dry Devils And Lowrey WS SCS Site 4 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006237	Sutton	13040301	Dry Devils And Lowrey WS SCS Site 5 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006235	Sutton	13040301	Dry Devils And Lowrey WS SCS Site 6 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed

Existing Infrastructure ID	Counties	HUC8s	Feature Name	Infrastructure Type	Description	Natural or Constructed or Combination
14006236	Sutton	13040301	Dry Devils And Lowrey WS SCS Site 7 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006238	Sutton	13040301	Dry Devils And Lowrey WS SCS Site 9 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006257	Terrell	13040208	Sanderson Canyon WS SCS Site 9 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006255	Terrell	13040208	Sanderson Canyon WS SCS Site 8 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006258	Terrell	13040208	Sanderson Canyon WS SCS Site 7 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006292	Terrell	13040208	Sanderson Canyon WS SCS Site 6 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006291	Terrell	13040208	Sanderson Canyon WS SCS Site 5 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006290	Terrell	13040208	Sanderson Canyon WS SCS Site 4 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006293	Terrell	13040208	Sanderson Canyon WS SCS Site 11 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006259	Terrell	13040208	Sanderson Canyon WS SCS Site 10 Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006253	Terrell	13070010	Roden Lake Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006254	Upton	13070007	Mc Elroy Reservoir Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006261	Val Verde	13040302	Moody Lake Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006262	Val Verde	13040302	Gillis West Lake Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006263	Val Verde	13040302	Gillis East Lake Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006260	Ward	13070007	Permian Basin Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
14006312	Winkler	13070007	Felix 20-37 Impoundment Dam	Dam/ Reservoir	Regional Flood Control Dam	Constructed
Various	El Paso	13030102, 13040100	El Paso Co - Dams	Dam/ Reservoir	80 Regional Flood Control Dams (2,686 acres total)	Constructed
14000140	El Paso	13030102	Alluvial Fan A	Fan	Alluvial Fan from El Paso County Preliminary FEMA Mapping	Natural
14000564	Brewster	13070006	City of Alpine Levees System- Brewster, TX	Levee	ID: 1605885337; USACE, 2021	Constructed
14000572	Brewster	13070006	Moss Creek Levee	Levee	ID: 1605995083; USACE, 2021	Constructed
14000005	Culberson	13050004	City of Van Horn Levee System	Levee	Levee; ID: 1605885338; NLD	Constructed
14000565	Culberson	13050004	City of Van Horn Levee System	Levee	ID: 1605885338; USACE, 2021	Constructed
14000566	Culberson	13050004	Culberson County Airport Levee	Levee	ID: 1605995185; USACE, 2021	Constructed
14000585	Culberson	13050004	Van Horn I-10 Diversion	Levee	ID: 1605995184; USACE, 2021	Constructed
14000586	Culberson	13050004	Wild Horse Draw Diversion South	Levee	ID: 1605995183; USACE, 2021	Constructed

Existing Infrastructure ID	Counties	HUC8s	Feature Name	Infrastructure Type	Description	Natural or Constructed or Combination
Various	El Paso	13030102, 13040100	El Paso Co - 46 Levees	Levee	Levee System (approximately 117 miles total)	Constructed
14000579	Hudspeth	13040201	Rio Grande Levee 1- Hudspeth	Levee	ID: 1605995138; USACE, 2021	Constructed
14000580	Hudspeth	13040100, 13040201	Rio Grande Levee System - Hudspeth	Levee	ID: 1605885434; USACE, 2021	Constructed
14000576	Presidio	13040201	Presidio, TX, Cibolo Creek Left Levee	Levee	ID: 2205000038; USACE, 2021	Constructed
14000577	Presidio	13040201	Presidio, TX, Cibolo Creek Right Levee	Levee	ID: 2205000039; USACE, 2021	Constructed
14000578	Presidio	13040201	Rio Grande Levee 1 (Presidio)	Levee	ID: 1605995139; USACE, 2021	Constructed
14000581	Presidio	13040201	Rio Grande River Levee System (Presidio)	Levee	ID: 1605885492; USACE, 2021	Constructed
14012953	Presidio	13040203	Unnamed Levee	Levee	Levee for farmland protection breached in several locations since 2008	Constructed
Various	Brewster	13040203, 13040204, 13040205, 13040206, 13040207, 13070006,	Brewster Co - 159 Low Water Crossings	Low Water Crossings	14 Road Culverts, 5 Road Bridges, 8 Rail Bridges, 132 Low Water Crossings.	Constructed
Various	Crane	13070007	Crane Co - 5 Low Water Crossings	Low Water Crossings	5 Low Water Crossings	Constructed
Various	Crockett	13070011, 13070008, 13040301	Crockett Co - 173 Low Water Crossings	Low Water Crossings	38 Low Water Crossings, 19 Road Bridges, 116 Road Culverts	Constructed
Various	Culberson	13050004, 13070001, 13070002, 13070004	Culberson Co - 29 Low Water Crossings	Low Water Crossings	6 Low Water Crossings, 2 Rail Bridges, 2 Road Bridges, 19 Road Culverts.	Constructed
Various	Edwards	13040303	Edwards Co - 17 Low Water Crossings	Low Water Crossings	14 Road Culvert and 3 Road Bridge low water crossings.	Constructed
Various	El Paso	13030102, 13040100, 13050003	El Paso Co - 266 Low Water Crossings	Low Water Crossings	113 Low Water Crossings, 8 Rail Bridges, 73 Road Bridges, 72 Culverts	Constructed
Various	Hudspeth	13040100, 13040201, 13050004,	Hudspeth Co - 39 Low Water Crossings	Low Water Crossings	4 Rail Bridges, 9 Road Culverts, 26 Low Water Crossings	Constructed
Various	Jeff Davis	13040202, 13070003, 13070004, 13070005, 13070006	Jeff Davis Co - 111 Low Water Crossings	Low Water Crossings	9 Road Culverts, 4 Road Bridges, 98 Low Water Crossings.	Constructed

Existing Infrastructure ID	Counties	HUC8s	Feature Name	Infrastructure Type	Description	Natural or Constructed or Combination
Various	Loving	13070001	Loving Co - 7 Low Water Crossings	Low Water Crossings	7 Low Water Crossings.	Constructed
Various	Pecos	13040211, 13070007, 13070008, 13070009, 13070010	Pecos Co - 26 Low Water Crossings	Low Water Crossings	1 Road Culvert, 25 Low Water Crossings.	Constructed
Various	Presidio	13040201, 13040202, 13040203, 13070006	Presidio Co - 282 Low Water Crossings	Low Water Crossings	1 Rail Bridge, 10 Road Culverts, 271 Low Water Crossings.	Constructed
Various	Reeves	13070001, 13070003, 13070004	Reeves Co - 26 Low Water Crossings	Low Water Crossings	26 Low Water Crossings.	Constructed
Various	Sutton	13040301	Sutton Co - 128 Low Water Crossings	Low Water Crossings	56 Low Water Crossings, 11 Road Bridges, 61 Road Culverts	Constructed
Various	Terrell	13040208, 13040210, 13040211, 13070010,	Terrell Co - 49 Low Water Crossings	Low Water Crossings	20 Low Water Crossings, 13 Rail Bridges, 5 Road Bridges, 11 Road Culverts.	Constructed
Various	Upton	13070008	Upton Co - 2 Low Water Crossings	Low Water Crossings	1 Road Culvert, 1 Low Water Crossing.	Constructed
Various	Val Verde	13040210, 13040212, 13040301, 13040302, 13040303, 13070011, 13070012	Val Verde Co - 257 Low Water Crossings	Low Water Crossings	7 Road Bridges, 7 Rail Bridges, 193 Low Water Crossings, 50 Road Culverts,	Constructed
Various	Ward	13070001, 13070007	Ward Co - 4 Low Water Crossings	Low Water Crossings	2 Low water crossings, 2 Road Culverts.	Constructed
Various	Winkler	13070007	Winkler Co - 4 Low Water Crossings	Low Water Crossings	4 Low Water Crossings.	Constructed
Various	El Paso	13040100	El Paso Co Crossings	Major Crossings	25 Major Crossings	Constructed
Various	El Paso	13050003, 13040100	El Paso Co - Natural Depressions	Natural Depression	30 Natural Depressions (2,149 acres total)	Natural
14000131	Hudspeth	13050003	Natural Depression A	Natural Depression	Natural depression A from El Paso County SWMP, Montana Sector Study Area	Natural
Various	El Paso	13030102, 13040100	El Paso Co Ponds (Points)	Ponds	454 Ponds	Constructed
Various	El Paso	13030102, 13040100	El Paso Co Pump Stations	Pump Stations	24 Pump Stations	Constructed

Existing Infrastructure ID	Counties	HUC8s	Feature Name	Infrastructure Type	Description	Natural or Constructed or Combination
Various	El Paso	13040100	El Paso Co - Small Ponds	Small Ponds	50 Small Ponds (122 acres total)	Constructed
Various	El Paso	13030102, 13040100	El Paso Co - Storm Drain System	Storm Drain System	Storm Drain System (approximately 378 miles total)	Constructed/Unknown
14013213	Reeves	13070001	Unnamed Conduit	Storm Drain System	Underground storm drain and open channel system in Pecos	Constructed
Various	El Paso	13030102, 13040100	El Paso Co - Storm Water Canals	Storm Water Canals	Storm Water Canals (approximately 111 miles total)	Unknown
Various	El Paso	13030102	El Paso Co - Weirs	Weir	6 Weirs	Constructed

Appendix Table 1B.2: Existing Flood Infrastructure Summary (Part 2—Level of Service/Condition/Deficiency/Entity)

Existing Infrastructure ID	Feature Name	Level of Service	Condition	Condition Description	Deficiency	Deficiency Description	Owning/Operating Entity
Various	El Paso Co Ponds (Areas)	Unknown	Multiple (Functional, Unknown)	Multiple (Unknown, Natural Depression)	Multiple (Non-deficient, Unknown)	Multiple (Unknown, Natural Depression)	Various
14006267	Hammond Ranch Lake Dam	Unknown	Unknown	Unknown	Unknown	Not Rated Condition per TCEQ	Hammond Ranch
14006280	Ament Lake Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Texas State University System
14006281	Sanderson Canyon WS SCS Site 1 Dam	Unknown	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Rio Grande-Pecos River SWCD, Brewster County
14006294	Meriwether Dam	Unknown	Unknown	Unknown	Unknown	Not Rated Condition per TCEQ	Ralph Meriwether
14006295	Goddard Dam	Unknown	Unknown	Unknown	Non-deficient	FAIR Condition per NRCS	Bill Goddard
14006310	Nevill Ranch Dam	Unknown	Unknown	Unknown	Unknown	Fair Condition per TCEQ	Nevill Properties LP
14006248	Johnsons Draw WS SCS Site 1 Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	CR Sutton, Crockett County
14006249	Johnsons Draw WS SCS Site 2 Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	CR Sutton, Crockett County
14006247	Johnsons Draw WS SCS Site 3 Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	CR Sutton, Crockett County
14006250	Johnsons Draw WS SCS Site 4 Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	CR Sutton, Crockett County
14006251	Johnsons Draw WS SCS Site 5 Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	CR Sutton, Crockett County
14006252	Johnsons Draw WS SCS Site 6 Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	CR Sutton, Crockett County
14006246	Johnsons Draw WS SCS Site 7 Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	CR Sutton, Crockett County
14006215	Harold Martin Lake Dam	Unknown	Unknown	Unknown	Unknown	Not Rated Condition per TCEQ	William Allan
14006216	Big Charlie Tank Dam	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Non-deficient	GOOD Condition per TCEQ	JM Fowlkes
14006264	Horse Camp Tank Dam	Unknown	Unknown	Unknown	Unknown	Not Rated Condition per TCEQ	Horse Camp Tank Dam
14006265	Cowden Lake Dam	Unknown	Unknown	Unknown	Unknown	Not Rated Condition per TCEQ	Jax Cowden
14006282	Three Mile And Sulfur Draw WS SCS Site 1 Dam	Unknown	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Non-deficient	GOOD Condition per TCEQ	Highpoint SWCD, Van Horn town, Culberson County
14006283	Three Mile And Sulfur Draw WS SCS Site 2 Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Highpoint SWCD, Van Horn town, Culberson County

Existing Infrastructure ID	Feature Name	Level of Service	Condition	Condition Description	Deficiency	Deficiency Description	Owning/Operating Entity
14006243	Dry Devils And Lowrey WS SCS Site 8 Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Edwards Plateau SWCD, Sutton County
14006199	Riverside Diversion Dam	Unknown	Unknown	Unknown	Unknown	Not Rated Condition per TCEQ	US Department Of The Interior
14006217	Fabens Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso County
14006218	Rattlesnake Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Indian Cliffs Ranch Inc
14006219	Cottonwood Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Indian Cliffs Ranch Inc
14006220	Roberts Tank Dam	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Non-deficient	FAIR Condition per TCEQ	Indian Cliffs Ranch Inc
14006221	Thorn Drive Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006222	Portland Cement Reservoir Dam	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Non-deficient	GOOD Condition per TCEQ	Cemex El Paso Inc
14006223	International Diversion	Unknown	Unknown	Unknown	Non-deficient	Satisfactory Condition per NID	International Boundary And Water Commission, Mexico Comision Internacional De Limites Y Aguas
14006224	American Diversion	Unknown	Unknown	Unknown	Non-deficient	Satisfactory Condition per NID	International Boundary And Water Commission
14006225	Mulberry Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006226	Northgate Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006227	Fusselman Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	El Paso city
14006228	Range Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006256	Indian Cliff Ranch Main Lake Dam	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Non-deficient	FAIR Condition per TCEQ	Indian Cliffs Ranch Inc
14006269	Mesa Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006273	North Hills Detention Pond 1 Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006274	Knapp Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Deficient	POOR Condition per TCEQ	Texas Parks And Wildlife Department
14006276	Americas Ten Detention Pond Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	El Paso city

Existing Infrastructure ID	Feature Name	Level of Service	Condition	Condition Description	Deficiency	Deficiency Description	Owning/Operating Entity
14006277	Hudspeth Regulating Reservoir No 1	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Unknown	N/A Condition per TCEQ	Hudspeth County Conservation & Reclamation District 1
14006279	North Hills Detention Pond 2 Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006296	Hueco Tanks State Park Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Deficient	POOR Condition per TCEQ	Texas Parks And Wildlife Department
14006297	Phelps Dodge Basin Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006298	Van Buren Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	El Paso city
14006299	Morehead Avenue Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Deficient	POOR Condition per TCEQ	El Paso city
14006300	Nashville Avenue Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	El Paso city
14006301	Memphis Avenue Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006302	Wheeling Avenue Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	El Paso city
14006303	Copper Avenue Dam	Unknown	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Non-deficient	GOOD Condition per TCEQ	El Paso city
14006304	Tremont Avenue Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006305	Murchison Drive Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006306	Denver Avenue Dam	Unknown	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006307	Medical Center Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	El Paso city
14006308	Montoya Detention Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006309	San Diego Avenue Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006313	Mountain Park Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006314	Pershing Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006315	Sunrise Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006316	Keystone Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city

Existing Infrastructure ID	Feature Name	Level of Service	Condition	Condition Description	Deficiency	Deficiency Description	Owning/Operating Entity
14006317	Oxidation Pond Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006318	McKelligon Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006319	Americas Basin Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006320	Lomaland Basin Dam	Unknown	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006321	Carolina Basin Dam	Unknown	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006322	Portland Avenue Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006323	Richmond Ave Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	El Paso city
14006200	Diablo Arroyo WS SCS Site 1 Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	Hudspeth County Conservation & Reclamation District 1, El Paso-Hudspeth SWCD, Hudspeth County
14006201	Madden Arroyo WS SCS Site 1 Dam	Unknown	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Non-deficient	FAIR Condition per TCEQ	Hudspeth County Conservation & Reclamation District 1, El Paso-Hudspeth SWCD, Hudspeth County
14006202	Camp Rice Arroyo WS SCS Site 1 Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	Hudspeth County Conservation & Reclamation District 1, El Paso-Hudspeth SWCD, Hudspeth County
14006203	Diablo Arroyo WS SCS Site 2 Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Hudspeth County Conservation & Reclamation District 1, El Paso-Hudspeth SWCD, Hudspeth County
14006204	Fort Quitman Lake Dam No 1	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Unknown	N/A Condition per TCEQ	Fort Quitman Land Company
14006205	Fort Quitman Lake Dam No 2	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Unknown	N/A Condition per TCEQ	Fort Quitman Land Company
14006206	Macho Arroyo WS SCS Site 1 Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	El Paso-Hudspeth SWCD, Hudspeth County, Hudspeth County CRD 1
14006207	Gibson Dam	Unknown	Unknown	Unknown	Unknown	Not Rated Condition per TCEQ	HM Gibson Jr

Existing Infrastructure ID	Feature Name	Level of Service	Condition	Condition Description	Deficiency	Deficiency Description	Owning/Operating Entity
14006208	Alamo Arroyo WS SCS Site 1 Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Hudspeth County Conservation & Reclamation District 1, El Paso-Hudspeth SWCD, Hudspeth County
14006209	Alamo Arroyo WS SCS Site 3 Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Hudspeth County Conservation & Reclamation District 1, El Paso-Hudspeth SWCD, Hudspeth County
14006275	Tx No Name No 47 Dam	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Unknown	N/A Condition per TCEQ	Hudspeth County Conservation & Reclamation District 1
14006268	Hitson-C&L-Washburn Draws WS SCS Site 2 Dam	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Unknown	N/A Condition per TCEQ	El Paso-Hudspeth SWCD, Dell City city, Hudspeth County, Hudspeth County WCID 1
14006275	Hudspeth County Reservoir No 2 Dam	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Unknown	N/A Condition per TCEQ	Hudspeth County Conservation & Reclamation District 1
14006278	Diablo Reservoir Levee	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Unknown	N/A Condition per TCEQ	Hudspeth County Conservation & Reclamation District 1
14006284	Cornudas North And Culp Draw WS SCS Site 1 Dam	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Unknown	N/A Condition per TCEQ	El Paso-Hudspeth SWCD, Dell City city, Hudspeth County, Hudspeth County WCID 1
14006285	Hitson C And L Washburn Draws WS SCS Site 1 Dam	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Unknown	N/A Condition per TCEQ	El Paso-Hudspeth SWCD, Dell City city, Hudspeth County, Hudspeth County WCID 1
14006286	Hitson C And L Washburn Draws WS SCS Site 3 Dam	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Unknown	N/A Condition per TCEQ	El Paso-Hudspeth SWCD, Dell City city, Hudspeth County, Hudspeth County WCID 1
14006287	Cowden Ranch Pond No 14 Dam	Unknown	Unknown	Unknown	Unknown	Not Rated Condition per TCEQ	Cowden Cattle Company
14006213	T And P Railroad Lake Dam	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Unknown	N/A Condition per TCEQ	Balmorhea city
14006214	Levinson Reservoir Dam	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Non-deficient	FAIR Condition per TCEQ	Union Pacific Railroad Company
14006244	Red Bluff Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	FAIR Condition per TCEQ	Red Bluff Water Power Control District
14006229	Comanche Creek Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Deficient	POOR Condition per TCEQ	Pecos County
14006230	Imperial Dam	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Non-deficient	FAIR Condition per TCEQ	Pecos County WID 2

Existing Infrastructure ID	Feature Name	Level of Service	Condition	Condition Description	Deficiency	Deficiency Description	Owning/Operating Entity
14006271	Allison Ranch GSS Dam No 1	Unknown	Unknown	Unknown	Unknown	Not Rated Condition per TCEQ	Allison Ranch Corporation
14006272	Allison Ranch GSS Dam No 2	Unknown	Unknown	Unknown	Unknown	Not Rated Condition per TCEQ	Allison Ranch Corporation
14006288	Sanderson Canyon WS SCS Site 2 Dam	Unknown	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Non-deficient	GOOD Condition per TCEQ	Rio Grande-Pecos River SWCD, Presidio County
14006289	Sanderson Canyon WS SCS Site 3 Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Rio Grande-Pecos River SWCD, Presidio County
14006210	Sutton Lake Dam	Unknown	Unknown	Unknown	Unknown	Not Rated Condition per TCEQ	CR Sutton
14006211	Mimms Draw WS SCS Site 1 Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Highland SWCD, Schleicher County
14006212	San Esteban Lake Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	MacGuire Ranches
14006266	Fowlkes Ranch Lake Dam	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Unknown	N/A Condition per TCEQ	Clegg Fowlkes
14006270	Montgomery Lake Dam	Unknown	Unknown	Unknown	Unknown	Not Rated Condition per TCEQ	Montgomery Lake Dam
14006245	Balmorhea Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ. Potential Seepage issues per Reeves County	Non-deficient	FAIR Condition per TCEQ	Reeves County WID 1
14006311	Section 304 Produced Water Pit	Unknown	Unknown	Unknown	Unknown	Not Rated Condition per TCEQ	Reeves County, Permian Basin Regional Planning Commission
14006231	Dry Devils And Lowrey WS SCS Site 2 Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Eldorado Divide SWCD, Schleicher County
14006232	Dry Devils And Lowrey WS SCS Site 1 Dam	Unknown	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Eldorado Divide SWCD, Schleicher County
14006239	Dry Devils And Lowrey WS SCS Site 10 Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Edwards Plateau SWCD, Sutton County
14006240	Dry Devils And Lowrey WS SCS Site 11 Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Edwards Plateau SWCD, Sutton County
14006241	Dry Devils And Lowrey WS SCS Site 12 Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Edwards Plateau SWCD, Sutton County
14006242	Dry Devils And Lowrey WS SCS Site 13 Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Edwards Plateau SWCD, Sutton County
14006233	Dry Devils And Lowrey WS SCS Site 3 Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Edwards Plateau SWCD, Sutton County
14006234	Dry Devils And Lowrey WS SCS Site 4 Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Edwards Plateau SWCD, Sutton County

Existing Infrastructure ID	Feature Name	Level of Service	Condition	Condition Description	Deficiency	Deficiency Description	Owning/Operating Entity
14006237	Dry Devils And Lowrey WS SCS Site 5 Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Edwards Plateau SWCD, Sutton County
14006235	Dry Devils And Lowrey WS SCS Site 6 Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Edwards Plateau SWCD, Sutton County
14006236	Dry Devils And Lowrey WS SCS Site 7 Dam	Unknown	Non-functional	Hydraulically Inadequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Edwards Plateau SWCD, Sutton County
14006238	Dry Devils And Lowrey WS SCS Site 9 Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Edwards Plateau SWCD, Sutton County
14006257	Sanderson Canyon WS SCS Site 9 Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Rio Grande-Pecos River SWCD, Terrell County
14006255	Sanderson Canyon WS SCS Site 8 Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Rio Grande-Pecos River SWCD, Terrell County
14006258	Sanderson Canyon WS SCS Site 7 Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Rio Grande-Pecos River SWCD, Terrell County
14006292	Sanderson Canyon WS SCS Site 6 Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Rio Grande-Pecos River SWCD, Terrell County
14006291	Sanderson Canyon WS SCS Site 5 Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Rio Grande-Pecos River SWCD, Terrell County
14006290	Sanderson Canyon WS SCS Site 4 Dam	1% AC (100-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Rio Grande-Pecos River SWCD, Terrell County
14006293	Sanderson Canyon WS SCS Site 11 Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Rio Grande-Pecos River SWCD, Terrell County
14006259	Sanderson Canyon WS SCS Site 10 Dam	0.2% AC (500-year)	Functional	Hydraulically Adequate per TCEQ	Non-deficient	GOOD Condition per TCEQ	Rio Grande-Pecos River SWCD, Terrell County
14006253	Roden Lake Dam	Unknown	Unknown	Unknown	Unknown	Not Rated Condition per TCEQ	JT Trotter Trustee
14006254	Mc Elroy Reservoir Dam	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Non-deficient	GOOD Condition per TCEQ	Gulf Oil Corporation
14006261	Moody Lake Dam	Unknown	Unknown	Unknown	Unknown	Not Rated Condition per TCEQ	WL Moody
14006262	Gillis West Lake Dam	Unknown	Unknown	Unknown	Unknown	Not Rated Condition per TCEQ	Gillis Ranch
14006263	Gillis East Lake Dam	1% AC (100-year)	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Unknown	N/A Condition per TCEQ	Gillis Ranch
14006260	Permian Basin Dam	Unknown	Unknown	Hydraulic Adequacy Not Determined per TCEQ	Non-deficient	GOOD Condition per TCEQ	Luminant Generation Company LLC
14006312	Felix 20-37 Impoundment Dam	Unknown	Unknown	Unknown	Unknown	Not Rated Condition per TCEQ	Felix Water LLC

Existing Infrastructure ID	Feature Name	Level of Service	Condition	Condition Description	Deficiency	Deficiency Description	Owning/Operating Entity
Various	El Paso Co - Dams	Multiple (1% AC [100-year], 0.2% AC [500-year], Unknown)	Multiple (Functional, Non-functional, Unknown)	Multiple (Unknown, Hydraulic Adequacy Not Determined per TCEQ, Hydraulically Adequate per TCEQ)	Multiple (Deficient, Non-deficient, Unknown)	Multiple (Unknown, FAIR Condition per TCEQ, GOOD Condition per TCEQ, POOR Condition per TCEQ, Not Rated Condition per TCEQ)	Various
14000140	Alluvial Fan A	Unknown	Functional	Alluvial Fan	Non-deficient	Alluvial Fan	El Paso County, Vinton village, Rio Grande Council of Governments
14000564	City of Alpine Levees System- Brewster, TX	Unknown	Non-functional	Not FEMA Accredited	Unknown	Unknown	El Paso County, Lower Valley Water District, Rio Grande Council of Governments
14000572	Moss Creek Levee	Unknown	Non-functional	Not FEMA Accredited	Unknown	Unknown	Brewster County, Rio Grande Council of Governments
14000005	City of Van Horn Levee System	Unknown	Unknown	Unknown	Unknown	Unknown	Van Horn Municipal Services
14000565	City of Van Horn Levee System	Unknown	Non-functional	Not FEMA Accredited	Unknown	Unknown	Culberson County, Van Horn town, Rio Grande Council of Governments
14000566	Culberson County Airport Levee	Unknown	Non-functional	Not FEMA Accredited	Unknown	Unknown	Culberson County, Van Horn town, Rio Grande Council of Governments
14000585	Van Horn I-10 Diversion	Unknown	Non-functional	Not FEMA Accredited	Unknown	Unknown	Culberson County, Rio Grande Council of Governments
14000586	Wild Horse Draw Diversion South	Unknown	Non-functional	Not FEMA Accredited	Unknown	Unknown	Culberson County, Rio Grande Council of Governments
Various	El Paso Co - 46 Levees	Multiple (1% AC [100-year], 0.2% AC [500-year], Unknown)	Multiple (Functional, Non-functional, Unknown)	Multiple (Unknown, FEMA Accredited, Not FEMA Accredited)	Multiple (Non-deficient, Unknown)	Multiple (Unknown, All performance modes deemed to have a low likelihood to lead to poor performance per NLD, FEMA Accredited, Levee expected to perform well per NLD, No obvious performance concerns per NLD, Per USIBWC, levee is ready to have FEMA certification package submitted, Railroad acts as non-engineered levee with multiple openings, Risk is low for breach prior to overtopping per NLD)	Various

Existing Infrastructure ID	Feature Name	Level of Service	Condition	Condition Description	Deficiency	Deficiency Description	Owning/Operating Entity
14000579	Rio Grande Levee 1- Hudspeth	Unknown	Non-functional	Not FEMA Accredited	Unknown	Unknown	Culberson County, Rio Grande Council of Governments
14000580	Rio Grande Levee System - Hudspeth	Unknown	Non-functional	Not FEMA Accredited	Unknown	Unknown	Hudspeth County, Hudspeth County Conservation & Reclamation District 1, Rio Grande Council of Governments
14000576	Presidio, TX, Cibolo Creek Left Levee	0.2% AC (500-year)	Non-functional	Not FEMA Accredited	Deficient	Moderate likelihood of embankment erosion leading to poor performance	Presidio County, Rio Grande Council of Governments
14000577	Presidio, TX, Cibolo Creek Right Levee	0.2% AC (500-year)	Non-functional	Not FEMA Accredited	Non-deficient	Levee is expected to perform well per NLD.	Presidio County, Rio Grande Council of Governments
14000578	Rio Grande Levee 1 (Presidio)	4% AC (25-Year)	Non-functional	Not FEMA Accredited	Unknown	Unknown	Presidio County, Rio Grande Council of Governments
14000581	Rio Grande River Levee System (Presidio)	4% AC (25-Year)	Non-functional	Not FEMA Accredited	Unknown	Unknown	Presidio County, Presidio city, Rio Grande Council of Governments
14012953	Unnamed Levee	Unknown	Non-functional	Levee was breached in 2008 and was never repaired.	Deficient	Levee is breached in several locations and no longer protects farmland	Presidio County, Presidio County WID 1, Rio Grande Council of Governments
Various	Brewster Co - 159 Low Water Crossings	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	Crane Co - 5 Low Water Crossings	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	Crockett Co - 173 Low Water Crossings	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	Culberson Co - 29 Low Water Crossings	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	Edwards Co - 17 Low Water Crossings	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	El Paso Co - 266 Low Water Crossings	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	Hudspeth Co - 39 Low Water Crossings	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	Jeff Davis Co - 111 Low Water Crossings	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	Loving Co - 7 Low Water Crossings	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	Pecos Co - 26 Low Water Crossings	Unknown	Unknown	Unknown	Unknown	Unknown	Various

Existing Infrastructure ID	Feature Name	Level of Service	Condition	Condition Description	Deficiency	Deficiency Description	Owning/Operating Entity
Various	Presidio Co - 282 Low Water Crossings	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	Reeves Co - 26 Low Water Crossings	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	Sutton Co - 128 Low Water Crossings	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	Terrell Co - 49 Low Water Crossings	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	Upton Co - 2 Low Water Crossings	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	Val Verde Co - 257 Low Water Crossings	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	Ward Co - 4 Low Water Crossings	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	Winkler Co - 4 Low Water Crossings	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	El Paso Co Crossings	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	El Paso Co - Natural Depressions	Unknown	Functional	Natural Depression	Non-deficient	Natural Depression	Various
14000131	Natural Depression A	Unknown	Functional	Natural Depression	Non-deficient	Natural Depression	Hudspeth County, Rio Grande Council of Governments
Various	El Paso Co Ponds (Points)	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	El Paso Co Pump Stations	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	El Paso Co - Small Ponds	Unknown	Unknown	Unknown	Unknown	Unknown	Various
Various	El Paso Co - Storm Drain System	Multiple (1% AC [100-year], 0.2% AC [500-year], Unknown)	Multiple (Functional, Unknown)	Multiple (Unknown, 0.2-pct annual chance storm contained within structure per El Paso County Preliminary FEMA study, 1-pct annual chance storm contained within structure per El Paso County Preliminary FEMA study, Less than 100-yr capacity per SH20 TXDT Study, Portions of channel are damaged and need repair)	Unknown	Multiple (Unknown, Portions of channel are damaged and need repair)	Various
14013213	Unnamed Conduit	0.2% AC (500-year)	Functional	0.2-pct annual chance storm contained within structure per El Paso County Preliminary FEMA study	Unknown	Unknown	El Paso County, Socorro city, Lower Valley Water District, Rio Grande Council of Governments

Existing Infrastructure ID	Feature Name	Level of Service	Condition	Condition Description	Deficiency	Deficiency Description	Owning/Operating Entity
Various	El Paso Co - Storm Water Canals	Multiple (1% AC [100-year], Unknown)	Multiple (Functional, Non-functional, Unknown)	Multiple (Unknown, 1-pct annual chance storm contained within structure per El Paso County Preliminary FEMA study, Portions of channel are damaged and need repair)	Multiple (Deficient, Unknown)	Multiple (Unknown, Concrete Failure. Channel needs to be re-constructed, Failure under houses due to erosion, Portions of channel are damaged and need repair)	Various
Various	El Paso Co - Weirs	Unknown	Unknown	Unknown	Unknown	Unknown	Various

Appendix 1C

Proposed or Ongoing Flood Mitigation Projects Summary

Appendix Table 1C: Proposed or Ongoing Flood Mitigation Projects Summary

Existing Project ID	Existing Project Name	Description	Counties	Project Status	Project Cost (\$)	Dedicated Funding for Construction	Planned Funding Source	Expected Completion Year	Anticipated Benefit
14000001	SOC1 & SOC2	Sediment/Detention Basin - SOC1; Sediment/Detention Basin - SOC2 (design not yet started); 51% will be a 0% interest loan; 49% will be a Flood Infrastructure Fund (FIF) grant	El Paso	Proposed	\$4,960,000	No	TWDB FIF, El Paso County – Pending (invited for submission of full FIF application)	2025	Mitigate downstream flooding and sediment load due to uncontrolled flows from Stream 4 through the breached El Paso Hills Dam
14000002	SSA1	Detention Basin SSA1 (design not yet started)	El Paso	Proposed	\$34,530,000	Yes	TWDB FIF, El Paso County	2024	Mitigate uncontrolled flows from arroyos A1, A2, and A3 causing flooding problems in downstream communities
14000003	HAC7	Sediment/Detention Basin at Location A; Sediment/Detention Basin at Location B (design currently ongoing)	El Paso	Proposed	\$5,990,000	Yes	TWDB FIF, El Paso County, City of El Paso	2025	Mitigate downstream flooding and sediment load due to uncontrolled flows from Stream 13.5
14000004	EA6A	Sam Snead Storm Drain System (Pico Norte to Lee Trevino) (currently under construction)	El Paso	Ongoing	\$4,532,000	Yes	El Paso Water CIP	2022	Mitigate street flows that travel too far over flat slopes causing flooding, street closures, and damage from Pico Norte St. to Lee Trevino Blvd
14000005	Keystone Dam Seepage Improvements	At Keystone Dam, install a toe drain, a toe berm, and a seepage collection system consisting of concrete lined ditch with a weir (in design by USACE)	El Paso	Proposed	\$1,500,000	Yes	USACE, El Paso Water	2024	Prevention of surficial erosion issues on Keystone Dam protecting urban area along Doniphan Drive
14000006	CAN1	Reconstruction of the channel with concrete lining	El Paso	Proposed	\$1,960,000	No	TWDB FIF, El Paso County – Pending (invited for submission of full FIF application)	2025	Stabilizes the existing channel and adds sufficient capacity to relieve flooding residences adjacent to the channel.
14000008	SSA6	Constructing 2 retention basins west of Sparks Arroyo. North basin ~8 ac-ft w/ 940-ft concrete channel from north and 390-ft concrete channel from south. South basin ~13 ac-ft w/ 980-ft concrete channel from north and 250-foot concrete channel from south	El Paso	Proposed	\$2,700,000	Yes	Design and Construction of project to be funded by El Paso County for \$1,210,000 through CIP fund.	2024	Mitigate downstream flooding and sediment load due to runoff from the Sparks Community downstream of the Sparks Arroyo.
14000009	VIN12	Adding three more 9-foot by 5-foot culverts to the existing battery of culverts.	El Paso	Proposed	\$270,000	Yes	Design and Construction of project to be funded by El Paso County for \$70,000 through CIP fund.	2024	Stabilizes the crossing and adds sufficient capacity equal to the upstream end to relieve flooding.
140000010	SSA3	Constructing a 21 ft deep w/106 acre-ft of excavation for flood and sediment pool storage. detention basin near the lower end of Arroyos 5 and 6 at a location owned by the County. The outlet structure for this basin consists of a 2-foot RCP.	El Paso	Proposed	\$1,510,000	No	Project has been approved for design documents through County CIP fund for \$151,000. Committed funding for construction has not been identified.	2024	Mitigate flooding problems for downstream communities from the uncontrolled flows from Arroyos A5 and A6
140000011	FAB3	Constructing 1,165 ft of 4-ft-high parapet wall along the crest of Fabens Dam. East auxiliary spillway will be widened 100 feet to a total width of 150 feet.	El Paso	Proposed	\$1,750,000	No	Project has been approved for design documents through County CIP fund for \$175,000. Committed funding for construction has not been identified.	2024	Mitigate the issue that the dam will not pass the 75% PMP

Existing Project ID	Existing Project Name	Description	Counties	Project Status	Project Cost (\$)	Dedicated Funding for Construction	Planned Funding Source	Expected Completion Year	Anticipated Benefit
140000012	VIN6	Removing the existing 16-foot by 5-foot culvert and replacing it with three 9-foot by 8-foot culverts.	El Paso	Proposed	\$880,000	No	Project has been approved for design documents through County CIP fund for \$88,000. Committed funding for construction has not been identified.	2024	Stabilizes the crossing and adds sufficient capacity equal to the upstream end to relieve flooding.
140000013	FAB1	Constructing a sediment/retention basin at the base of Fabens North 1. Basin embankment will be 15 feet high with 18-inch riprap on the interior face, and a box culvert principal outlet. Embankment height includes 5 feet of freeboard for PMP event.	El Paso	Proposed	\$3,310,000	No	Project has been approved for design documents through County CIP fund for \$331,000. Committed funding for construction has not been identified.	2024	Mitigate downstream flooding and sediment load due to uncontrolled flows from Fabens North 1.
140000014	CE Dam 2	Upgrade Dam to meet TCEQ requirements	El Paso	Proposed	\$2,000,000	No	There is a request for City Council to authorize \$25M within the next 9 months to pay-off a line of credit for CIP drainage projects for Fiscal Year '22-'23. Other sources of funding are FIF, bonds, grants, and pay as you go funding estimated at \$8.7M.	2023	Upgrade Dam to meet TCEQ requirements
140000015	NW9	Construction of new debris and volume Dam to prevent breach of existing channel.	El Paso	Proposed	\$3,000,000	Yes	There is a request for City Council to authorize \$25M within the next 9 months to pay-off a line of credit for CIP drainage projects for Fiscal Year '22-'23. Other sources of funding are FIF, bonds, grants, and pay as you go funding estimated at \$8.7M.	2024	Mitigate breach of existing channel
140000016	CE Dam 10	Upgrade Dam to meet TCEQ requirements	El Paso	Proposed	\$600,000	No	There is a request for City Council to authorize \$25M within the next 9 months to pay-off a line of credit for CIP drainage projects for Fiscal Year '22-'23. Other sources of funding are FIF, bonds, grants, and pay as you go funding estimated at \$8.7M.	2023	Upgrade Dam to meet TCEQ requirements

Existing Project ID	Existing Project Name	Description	Counties	Project Status	Project Cost (\$)	Dedicated Funding for Construction	Planned Funding Source	Expected Completion Year	Anticipated Benefit
140000017	CE Dam 4	Upgrade Dam to meet TCEQ requirements	El Paso	Proposed	\$1,750,000	Yes	There is a request for City Council to authorize \$25M within the next 9 months to pay-off a line of credit for CIP drainage projects for Fiscal Year '22-'23. Other sources of funding are FIF, bonds, grants, and pay as you go funding estimated at \$8.7M.	2022	Upgrade Dam to meet TCEQ requirements
140000018	NE3A	New Will Ruth Pond to catch FP 15 midstream	El Paso	Proposed	\$26,300,000	Yes	TWDB FIF, EPWater Municipal Drainage Utility Revenue Bonds Series 2022	2025	The project will remove about 600 homes from the floodplain, prevent private property damage, reduce flooding of major streets, and increase safe traffic flow through Northeast El Paso
140000019	WC6A	Improve existing dam, build new basin	El Paso	Proposed	\$5,600,000	Yes	EPWater CIP	2024	Reduce risk of sediment blockage of culverts under streets (Campbell, Kansas, Stanton, Mesa) and associated flooding
140000020	MidV1	Add pumps in empty bays and upgrade electrical service of Clardy Fox PS	El Paso	Proposed	\$5,100,000	Yes	\$3,825,000 USACE; \$1,275,000 EPWater CIP	2024-2025	storm sewer system is being improved in the Clardy Fox neighborhood and current PS capacity is not enough to handle
140000021	MV7	Increase existing culvert capacity to two 5-ft x 5-ft concrete box culverts	El Paso	Ongoing	\$200,000	Yes	EPWater CIP	2022	The following crossing on Playa Drain is undersized: Just Downstream of Yarbrough Drive (one 36-inch RCP).
140000022	NE9	Placing RCP culverts to divert Flowpath from Northgate Diversion Channel to Northgate Dam	El Paso	Proposed	\$5,400,000	Yes	EPWater paying 25%, USACE paying 75%, \$5.4M total for design and construction, EPWater funding \$1.35M, Expected to complete by 2025	2025	Relieves flooding and erosion issues at intersection of Hondo Pass Ave. and Hondo Pass Dr. due to flow from Northgate Diversion Channel

Appendix 1D

Relevant Existing Planning Documents Summary

Appendix Table 1D: Relevant Existing Planning Documents Summary

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

Study ID	Title	Prepared By	Prepared For	Publication Date
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

Study ID	Title	Prepared By	Prepared For	Publication Date
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
92	The City of El Paso Drainage Design Manual	City of El Paso Engineering Department	City of El Paso Engineering Department	June 2008
93	Final Wetland Delineation Fort Bliss Sump, Fort Bliss, Texas and New Mexico	Gulf South Research Corporation on behalf of U.S. Army Fort Bliss	Cherokee Nation Management and Consulting, LLC	July 2021