

Table B1. Flood Related Models

Model ID#	Location	Modeling Software	Source
1	El Paso County, within the Rio Grande Natural Valley Floodplain	FLO-2D, HEC-HMS, and HEC-RAS 2D	El Paso County Interior Drainage Study (El Paso Water and El Paso County, 2021)
2	El Paso County	HEC-HMS and HEC-RAS 2D	Preliminary FEMA El Paso County Mapping Study (FEMA, 2019) <i>(Note: as of November 2021, preliminary models are being adjusted to address appeals submitted during the appeal process – no current timeline is available for completion)</i>
3	Rio Grande – through Doña Ana County, NM and El Paso County, TX to Fort Quitman in Hudspeth County, TX	FLO-2D	El Paso County Natural Valley Analysis Pre-LAMP Report (FEMA RiskMAP, October 2016)
4	City of El Paso	HEC-HMS and HEC-RAS 1D	City of El Paso Stormwater Master Plan (EPWU, 2009)
5	El Paso County	HEC-HMS, HEC-RAS 1D, and CulvertMaster	El Paso County Stormwater Master Plans (El Paso County, 2010 and 2021)
6	Rio Grande from Anthony, New Mexico to American Dam in El Paso	HEC-RAS 1D	"Evaluation of Reduced Flow Capacity of the Rio Grande" Phase 1 report (Joint Committee on Rio Grande Project Flood Risk, 2019)
7	Rio Grande from just upstream of American Dam in El Paso to Little Box Canyon, in Hudspeth County, TX	HEC-RAS 1D, not georeferenced	USIBWC (2003)
8	Texas, statewide	Fathom 2D models	TWDB/Fathom (October 2021)
9	Canalization Reach of the Rio Grande, from Percha Diversion Dam to American	HEC-HMS and HEC-RAS	USIBWC <i>(expected to be available August 2022)</i>
10	Americas Ten Dam in El Paso	HEC-HMS and HEC-RAS 2D	Decommissioning Americas Ten Dam because of maintenance access issues (El Paso Water, 2010)
11	City of El Paso High Hazard Dams	HEC-HMS	Probable Maximum Precipitation Update (El Paso Water, 2018)
12	City of El Paso High Hazard Dams	HEC-HMS, FLO-2D, SITES	Emergency Action Plan for City of El Paso High Hazard Dams (COEP and EPWU, 2010)
13	SH 20 (Mesa Street) From Doniphan Drive to Texas Avenue	HEC-HMS, EPA SWMM	Drainage Study for SH 20 (Mesa Street) From Doniphan Drive to Texas Avenue (TXDOT, 2019)
14	FM 170 (Mesa Street) From Candelaria to US-67	HEC-HMS, HEC-RAS 1D	Drainage Study for FM 170 From Candelaria to US-67 (TXDOT, 2020)
15	Rio Grande Interior Drainage, from International Dam to Riverside Weir	HEC-HMS, StormCAD, FLO-2D, CulvertMaster, FlowMaster	Interior Drainage H&H Analysis for El Paso, TX International Dam to Riverside Weir (EPWU and USIBWC, 2016)