DRAFT 2023 REGIONAL FLOOD PLAN REGION 15 LOWER RIO GRANDE

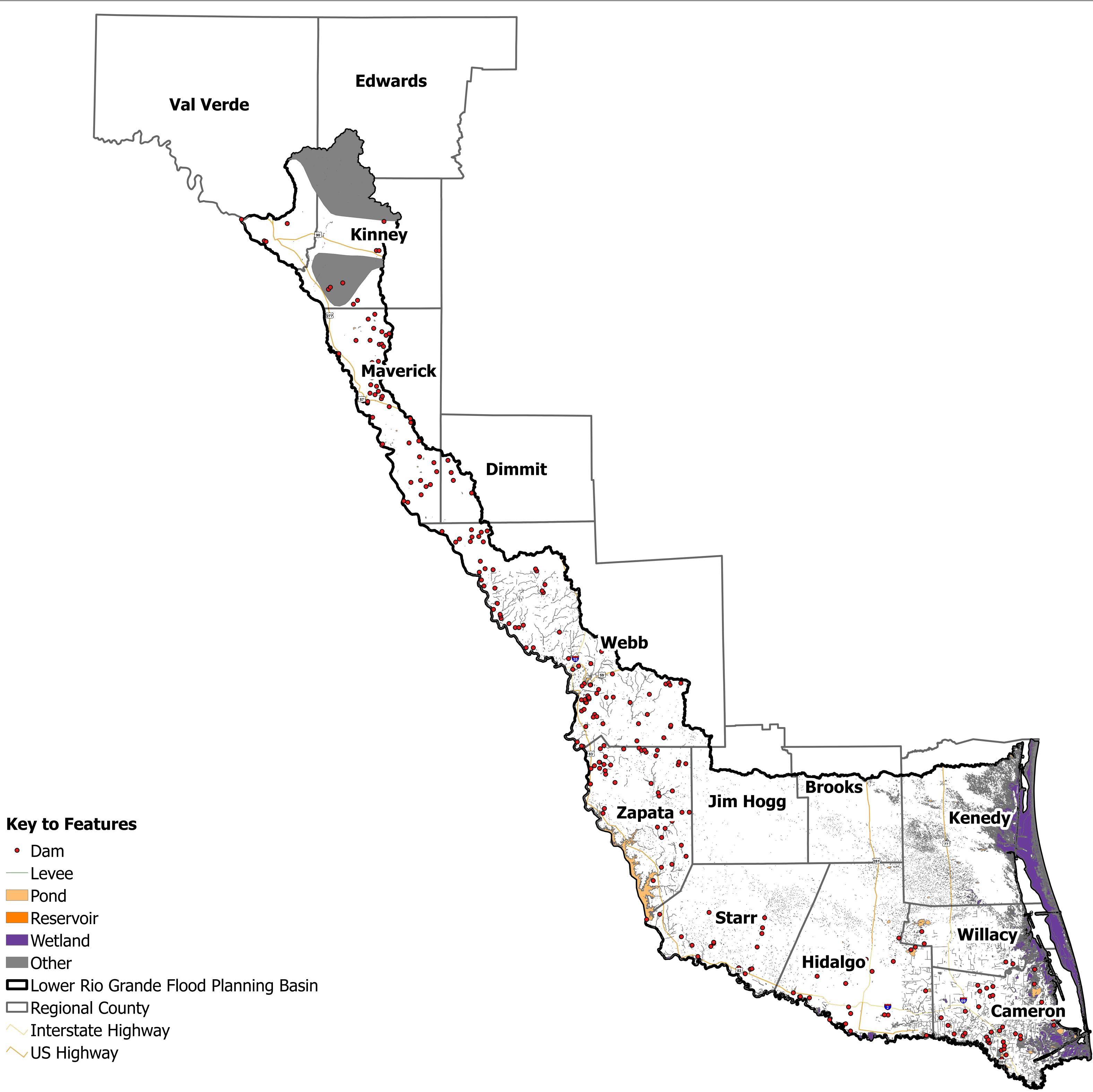
VOL. 2





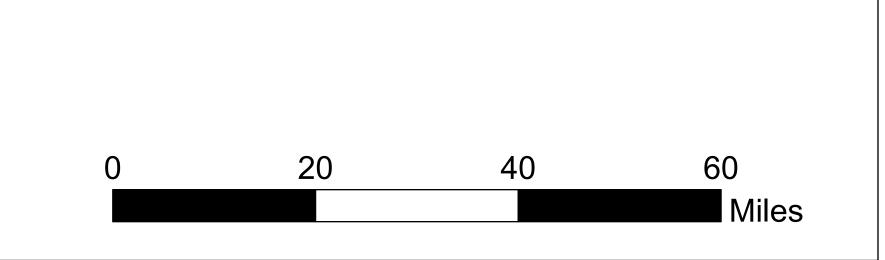
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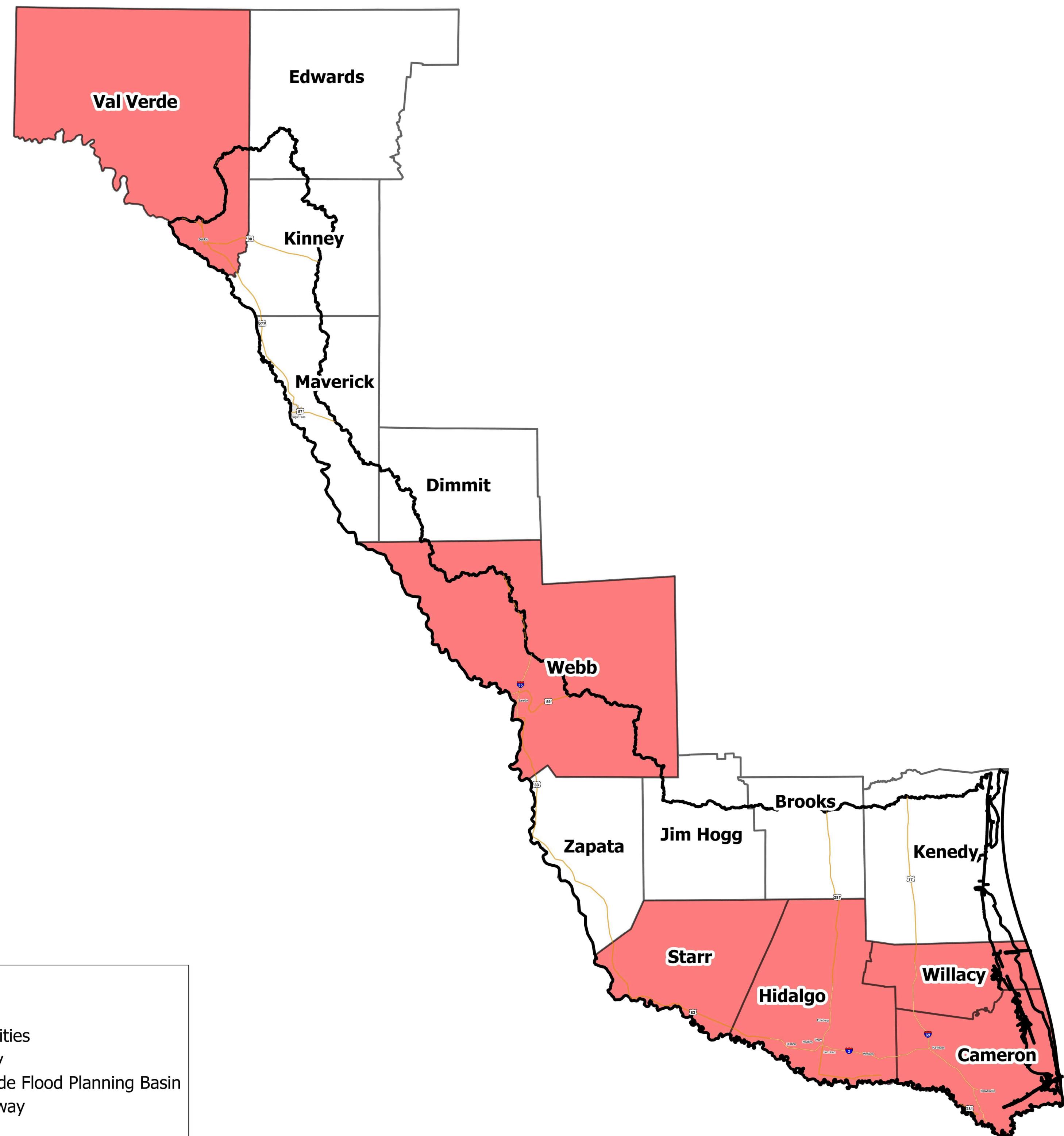
Vol. 3 Ma**p**s 1-22



MAP 1: EXISTING FLOOD INFRASTRUCTURE







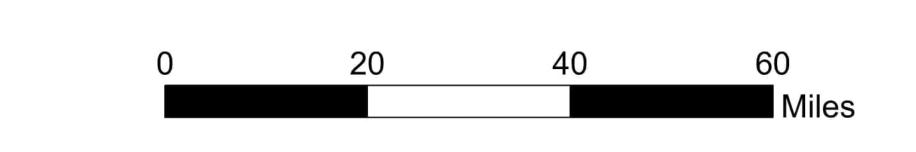
Flood Project

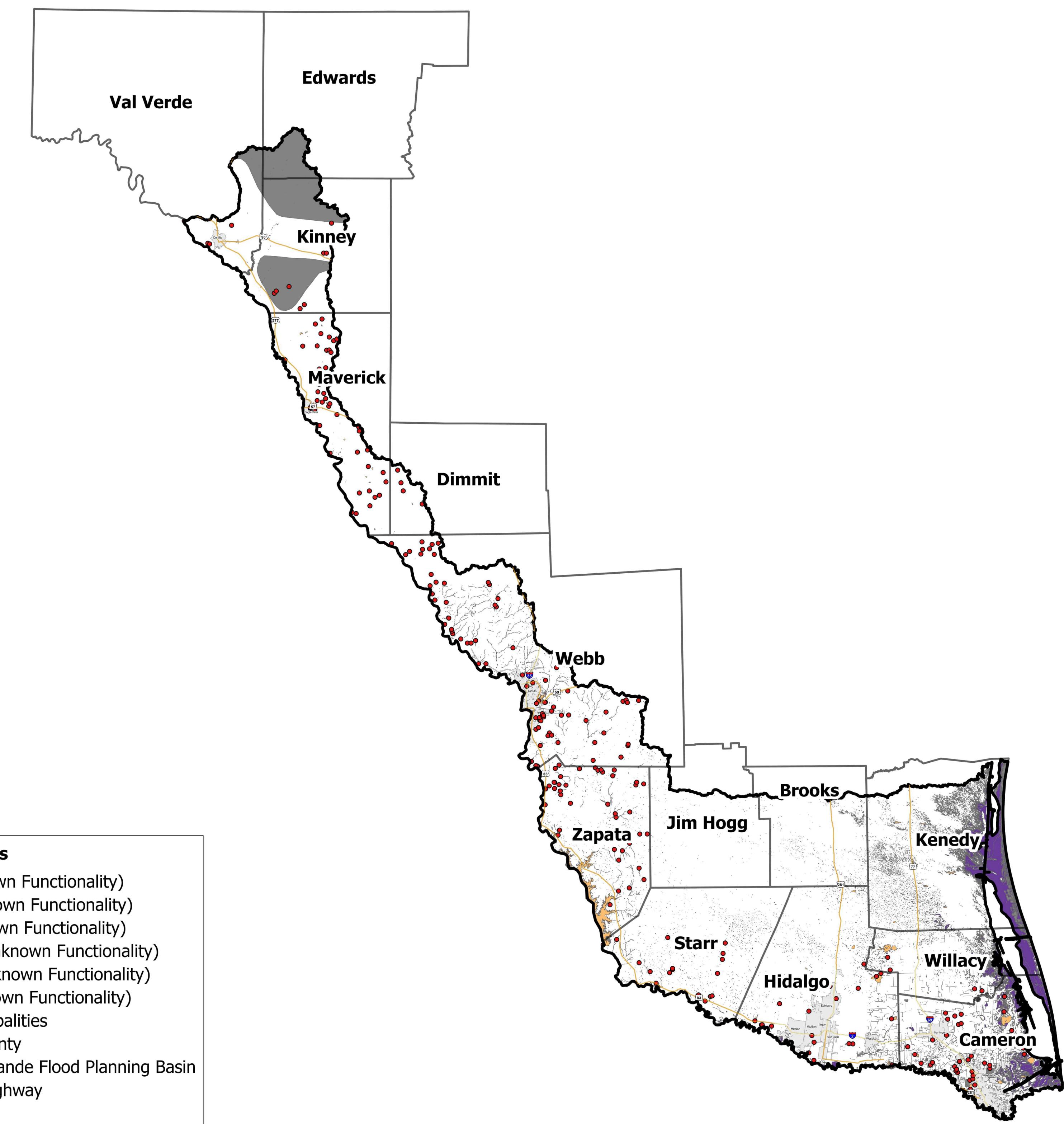
- Major Municipalities
- Regional County
- Lower Rio Grande Flood Planning Basin
- Interstate Highway
- ✓US Highway



MAP 2: ONGOING FLOOD MITIGATION PROJECTS





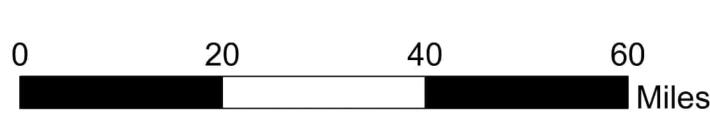


- Dam (Unknown Functionality)
- Levee (Unknown Functionality)
- Pond (Unknown Functionality)
- Reservoir (Unknown Functionality)
- Wetland (Unknown Functionality)
- Other (Unknown Functionality)
- Major Municipalities
- Regional County
- Lower Rio Grande Flood Planning Basin
- Interstate Highway
- ✓US Highway

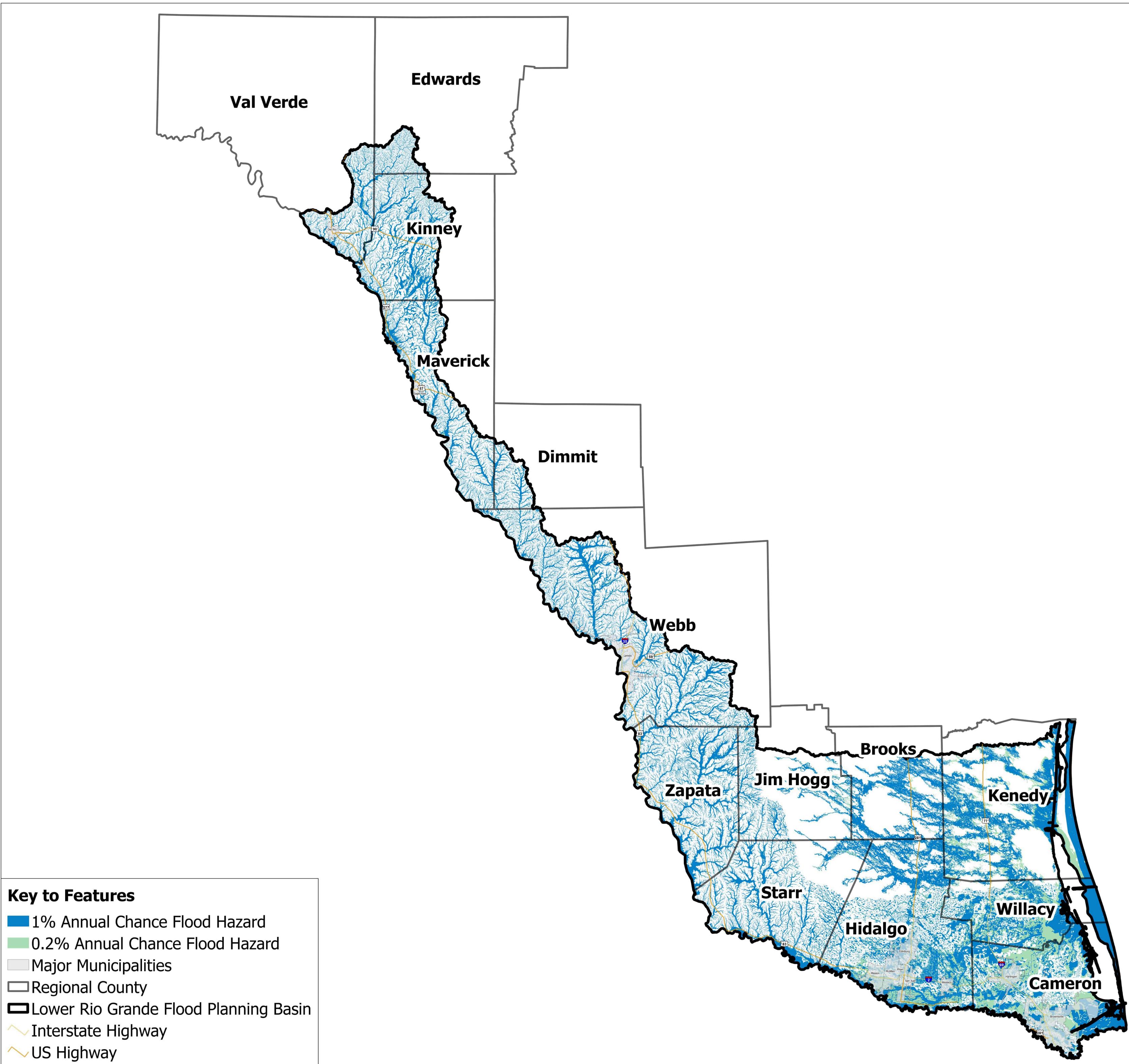


15 Lower Rio Grande Regional Flood Planning Group

MAP 3: NON-FUNCTIONAL OR DEFICIENT FLOOD MITIGATION INFRASTRUCTURE





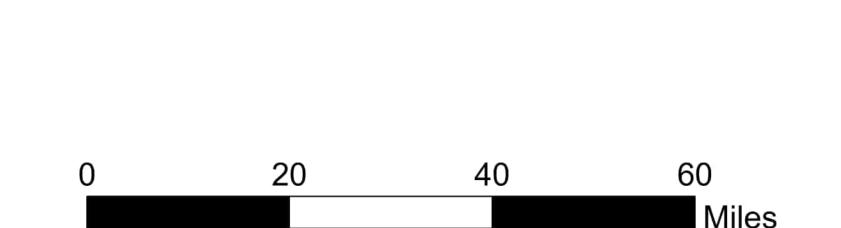


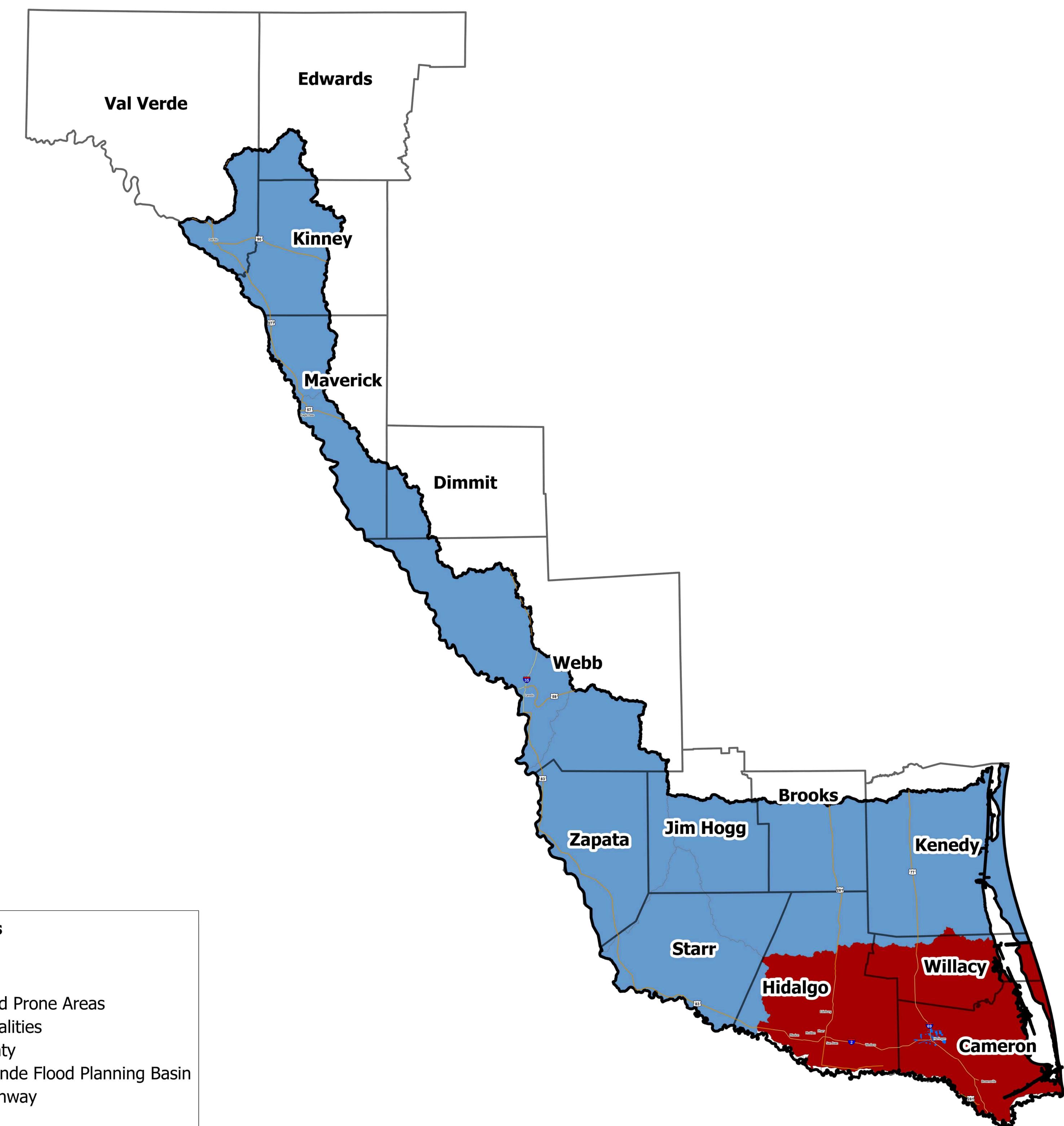




5 Lower Rio Grande MAP 4: EXISTING CONDITION FLOOD HAZARD Regional Flood Planning Group





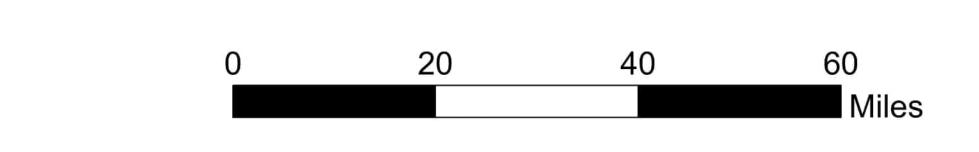


- BLE Data
- Fathom Data
- Reported Flood Prone Areas
- Major Municipalities
- Regional County
- Lower Rio Grande Flood Planning Basin
- Interstate Highway
- ✓US Highway

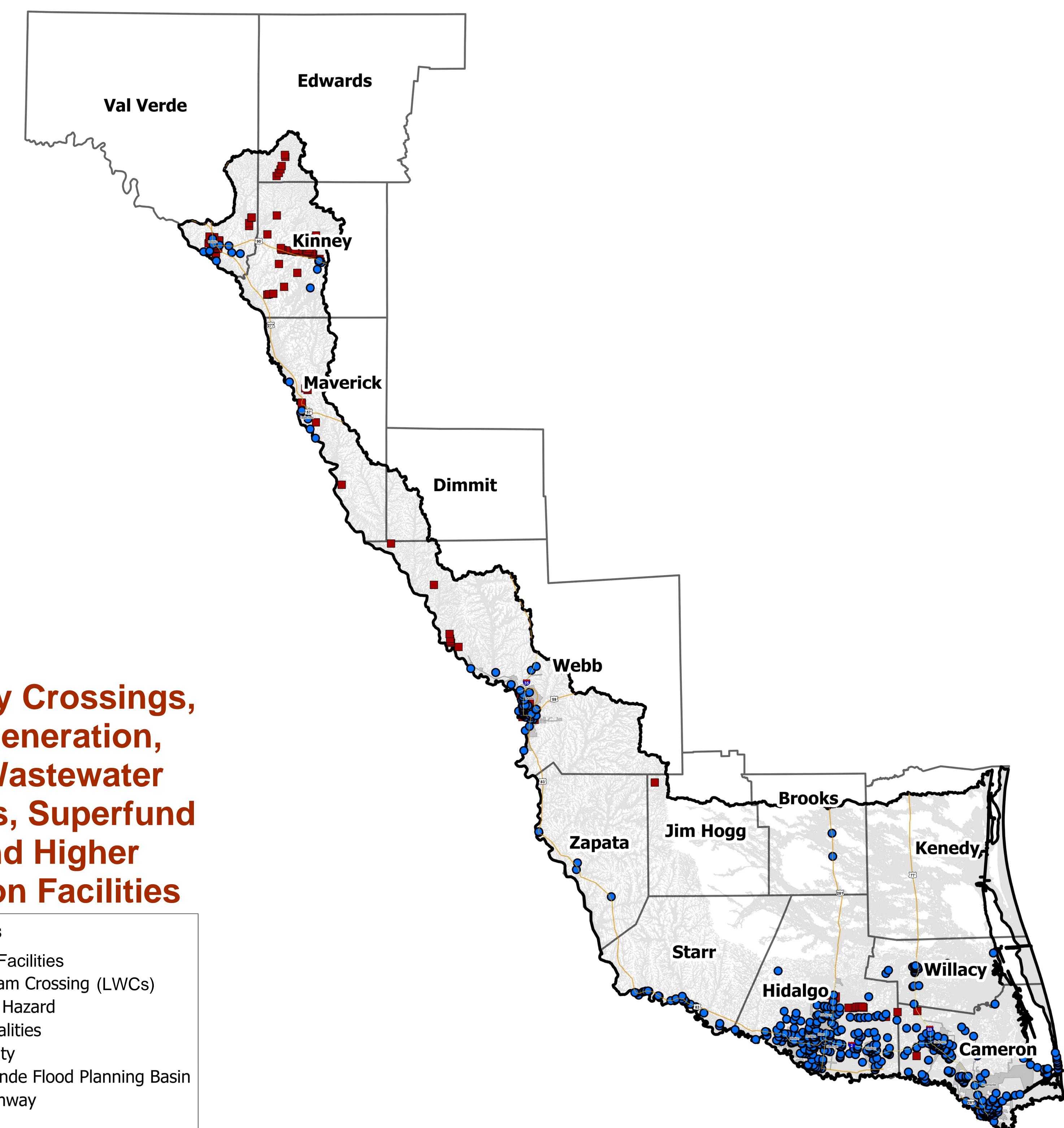


MAP 5: EXISTING CONDITION FLOOD HAZARD GAPS IN INUNDATION BOUNDARY MAPPING AND FLOOD PRONE AREAS









Roadway Crossings, **Power Generation**, Water/ Wastewater Facilities, Superfund Sites, and Higher **Education Facilities**

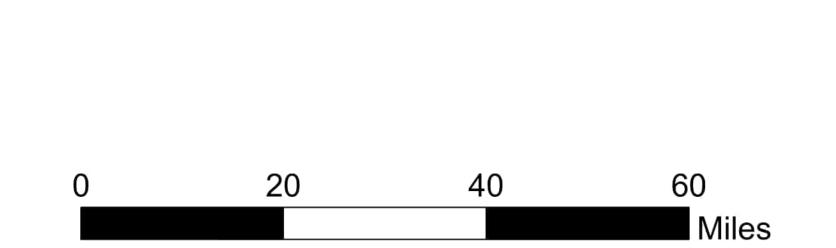
Key to Features

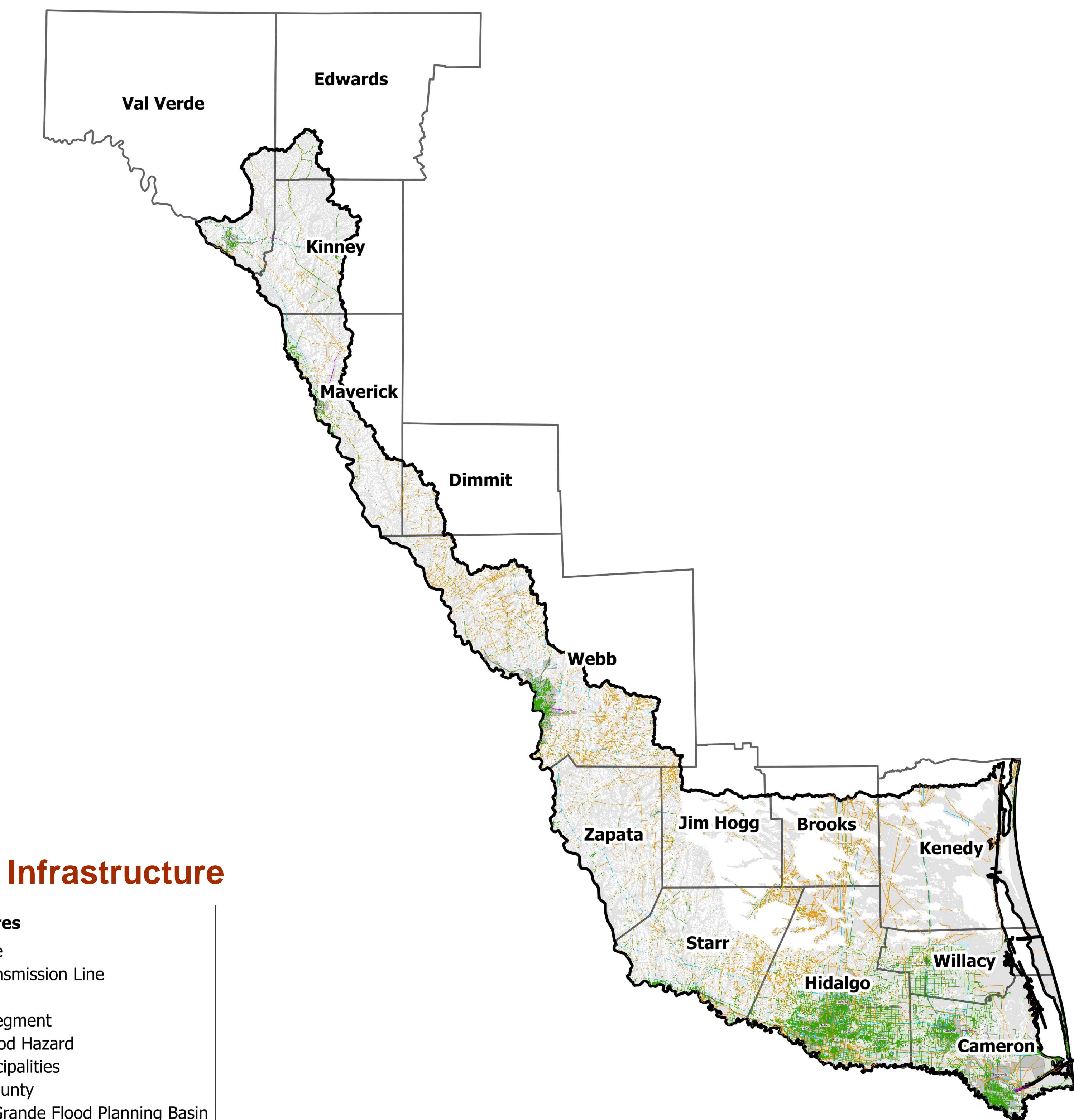
- Other Critical Facilities
- Roadway Stream Crossing (LWCs) Existing Flood Hazard
- Major Municipalities
- Regional County
- Lower Rio Grande Flood Planning Basin
- Interstate Highway
- ✓US Highway



5 Lower Rio Grande MAP 6A: EXISTING CONDITION FLOOD EXPOSURE







Critical Infrastructure

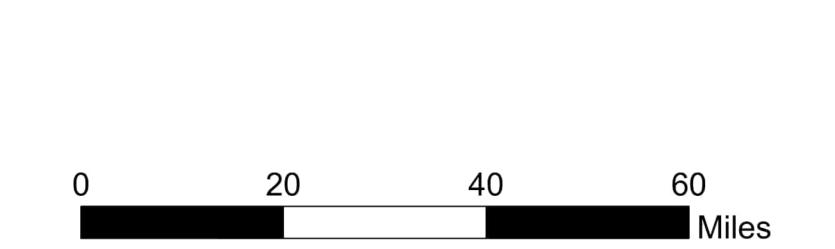
Key to Features

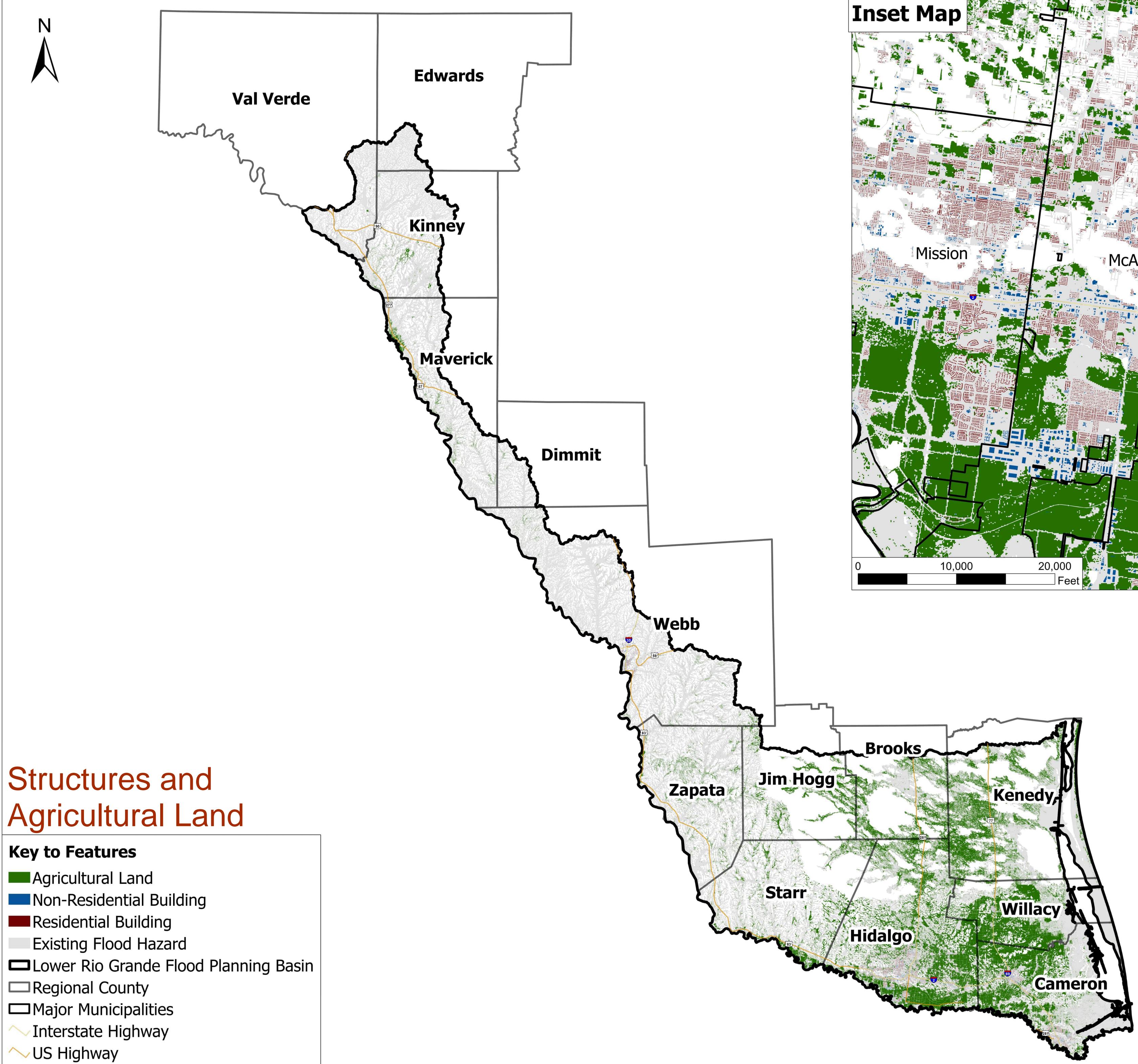
- -Gas Pipeline
- Electric Transmission Line
- -Railroad
- -Roadway Segment
- Existing Flood Hazard
- Major Municipalities
- Regional County
- Lower Rio Grande Flood Planning Basin



5 Lower Rio Grande MAP 6B: EXISTING CONDITION FLOOD EXPOSURE





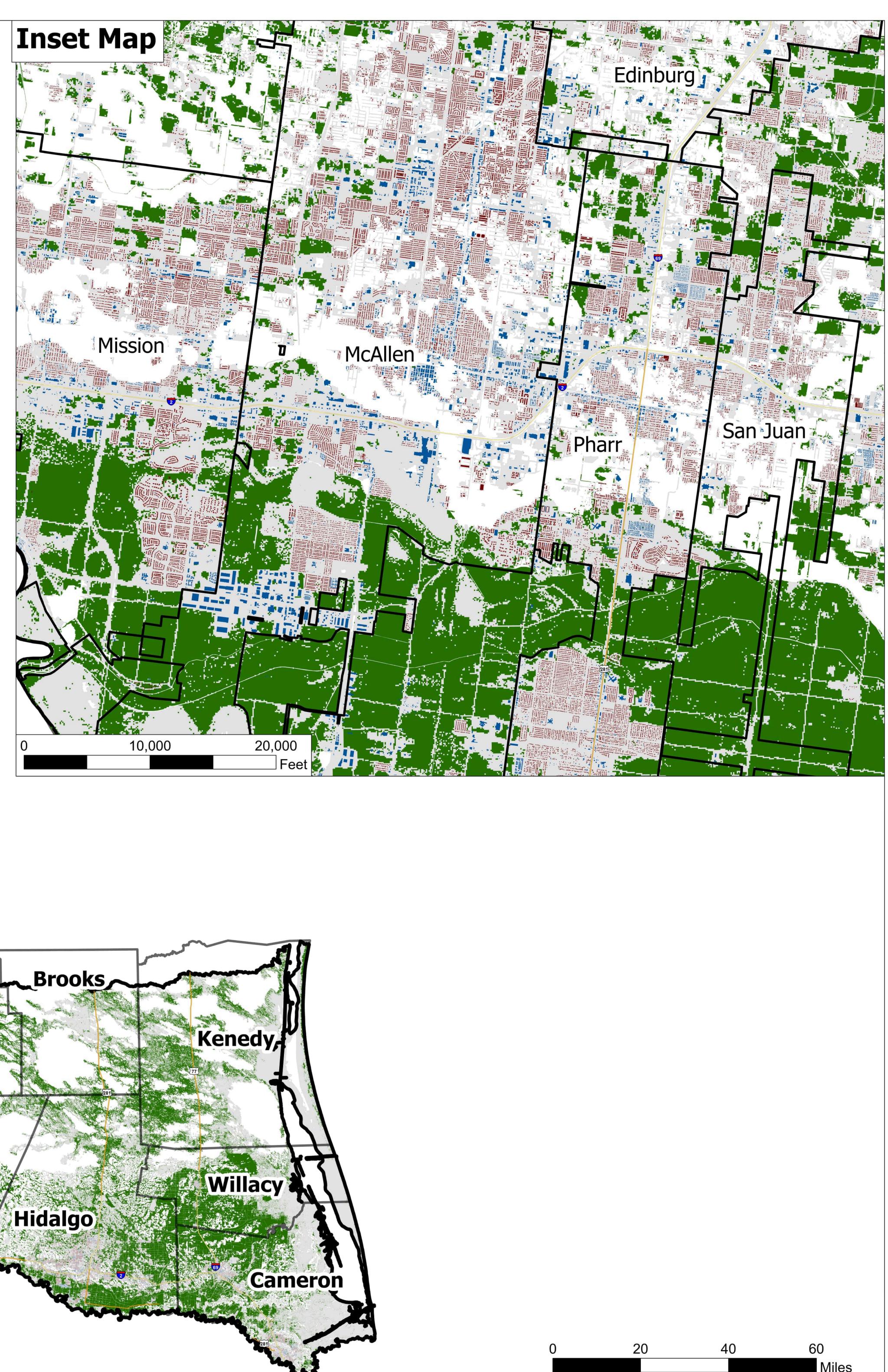


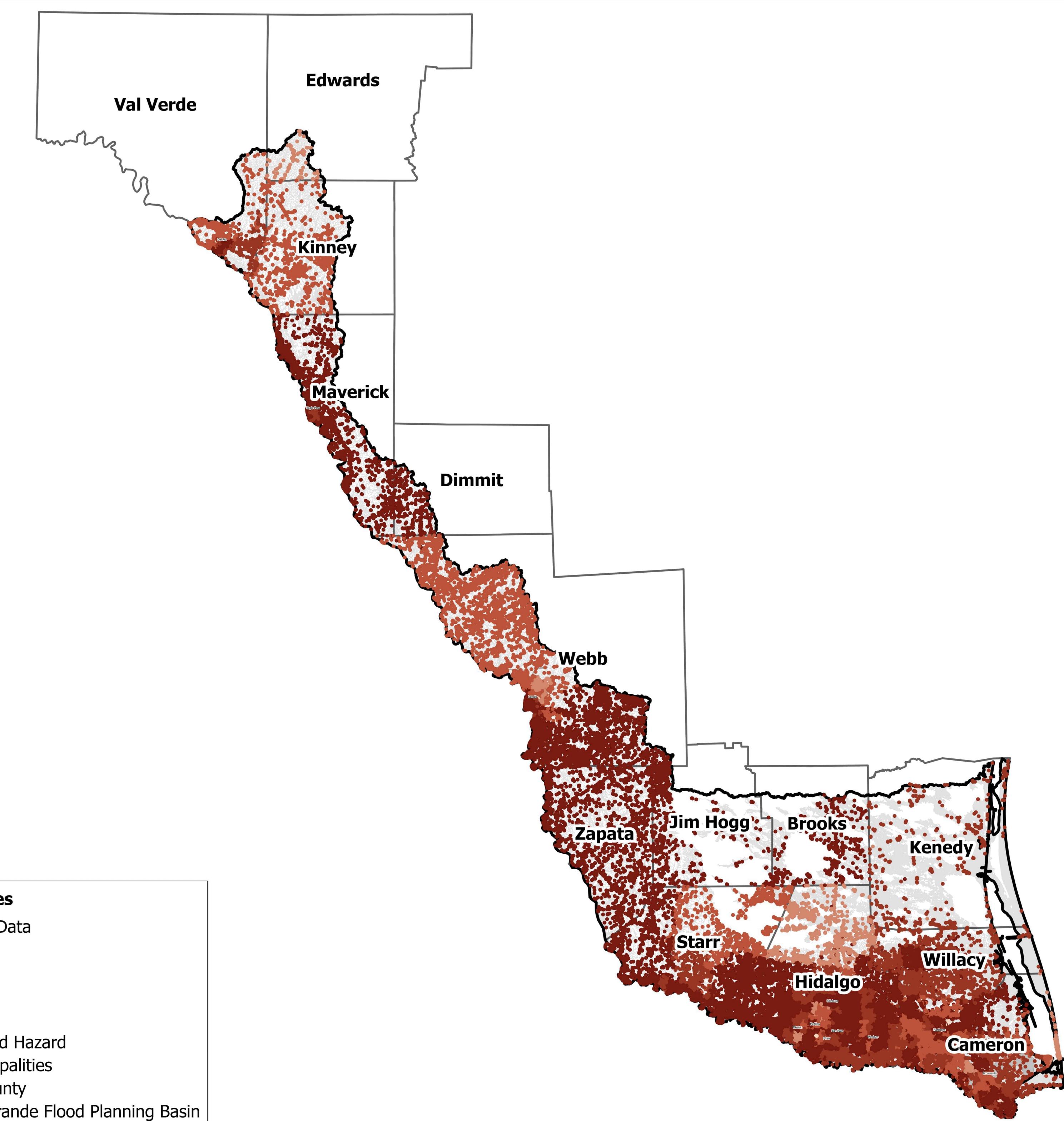
Structures and

- Regional County



5 Lower Rio Grande MAP 6C: EXISTING CONDITION FLOOD EXPOSURE

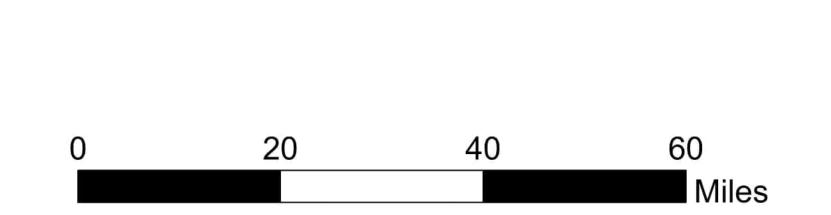


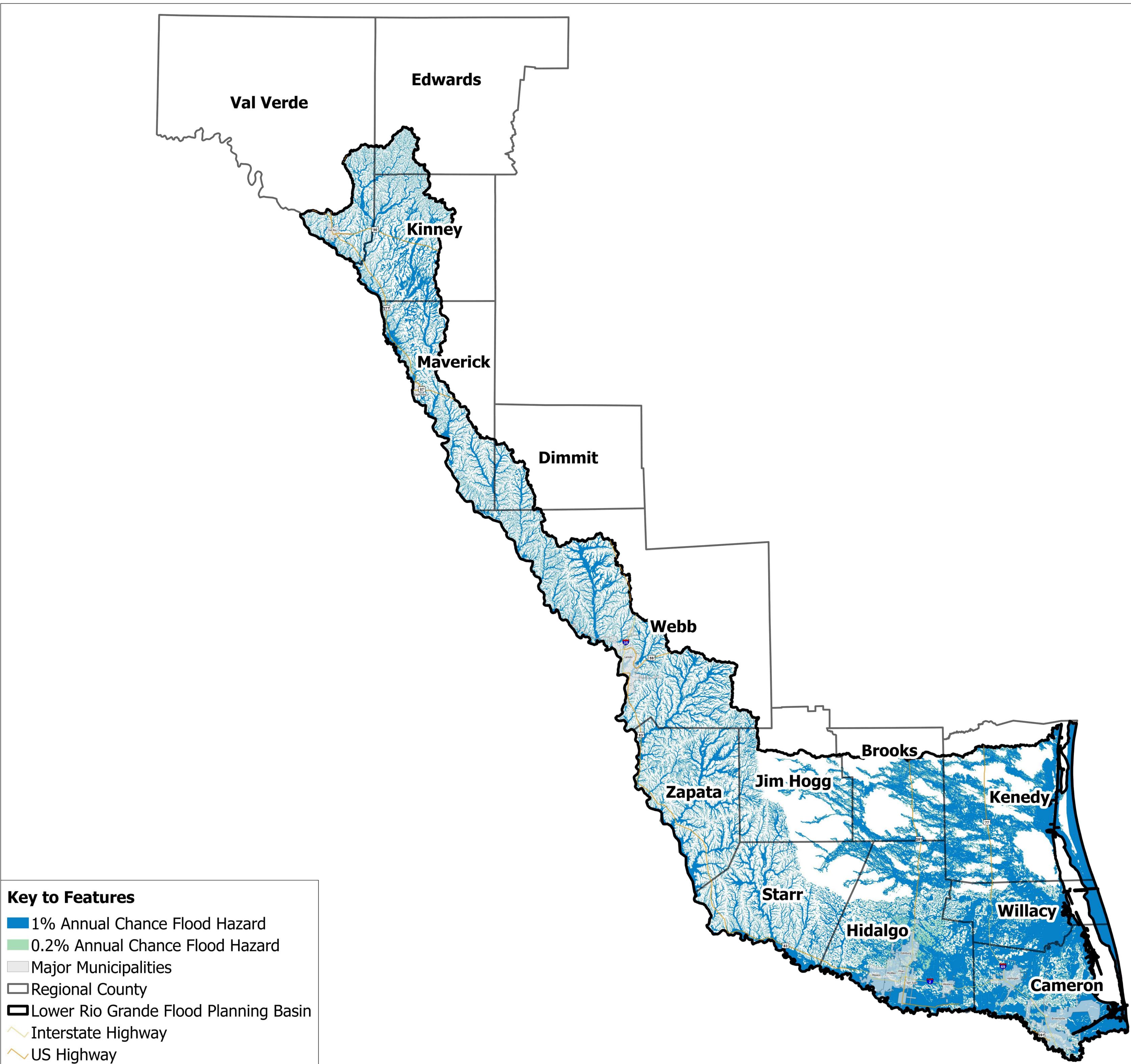


- Missing SVI Data
- 0-0.50
- 0.50-0.75
- 0.75-0.85
- 0.85-1
- Existing Flood Hazard
- Major Municipalities
- Regional County
- Lower Rio Grande Flood Planning Basin

MAP 7: EXISTING CONDITION VULNERABILITY





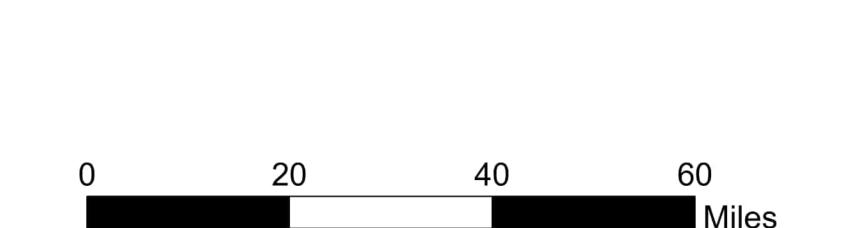


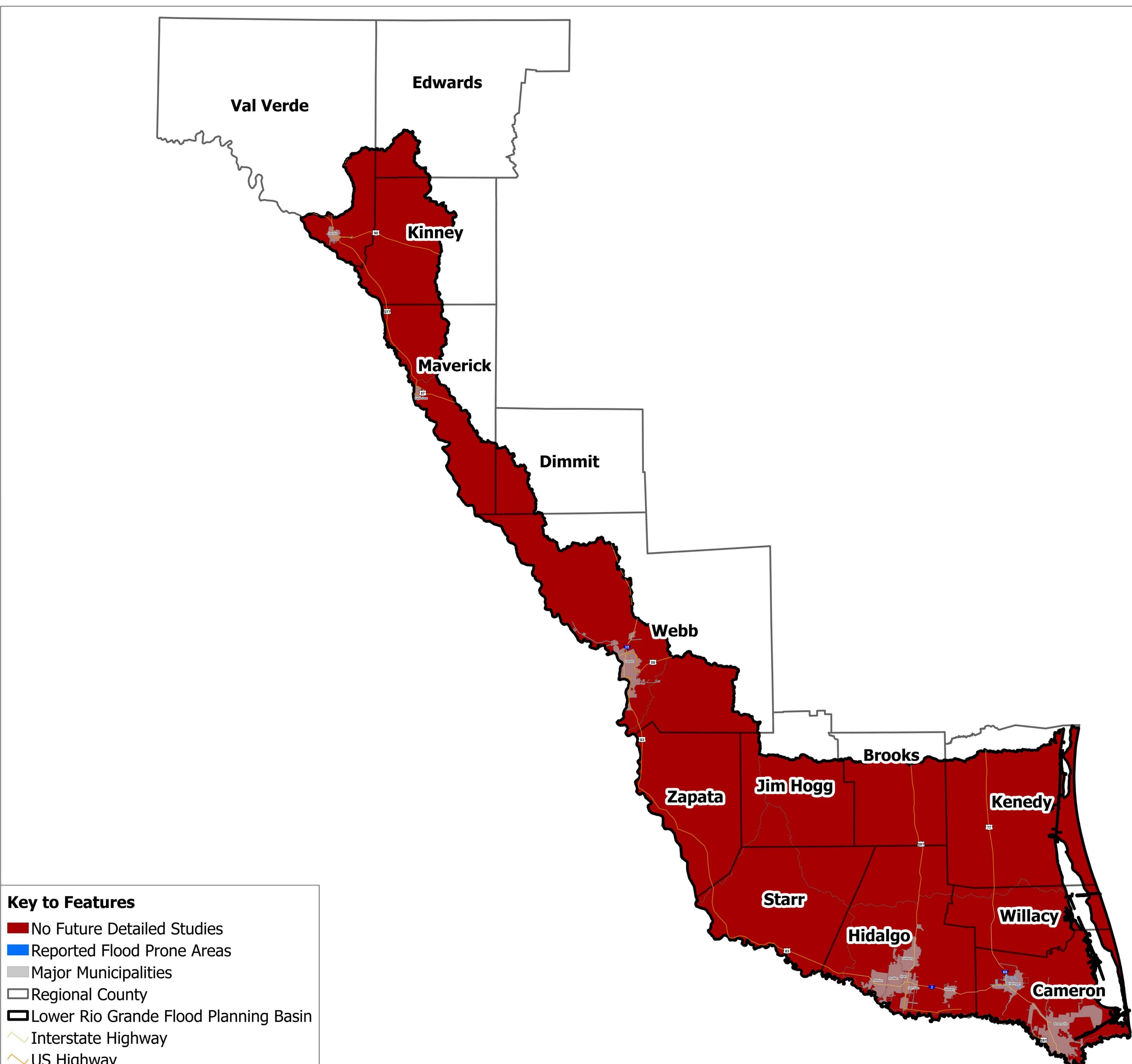




5 Lower Rio Grande MAP 8: FUTURE CONDITION FLOOD HAZARD







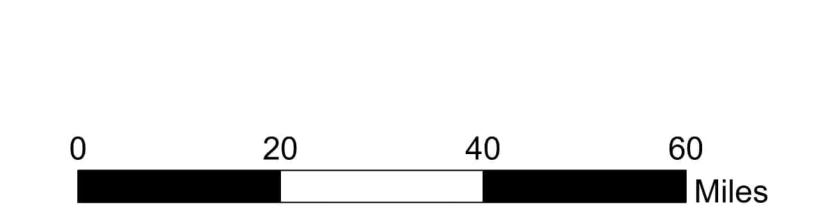
- ✓US Highway

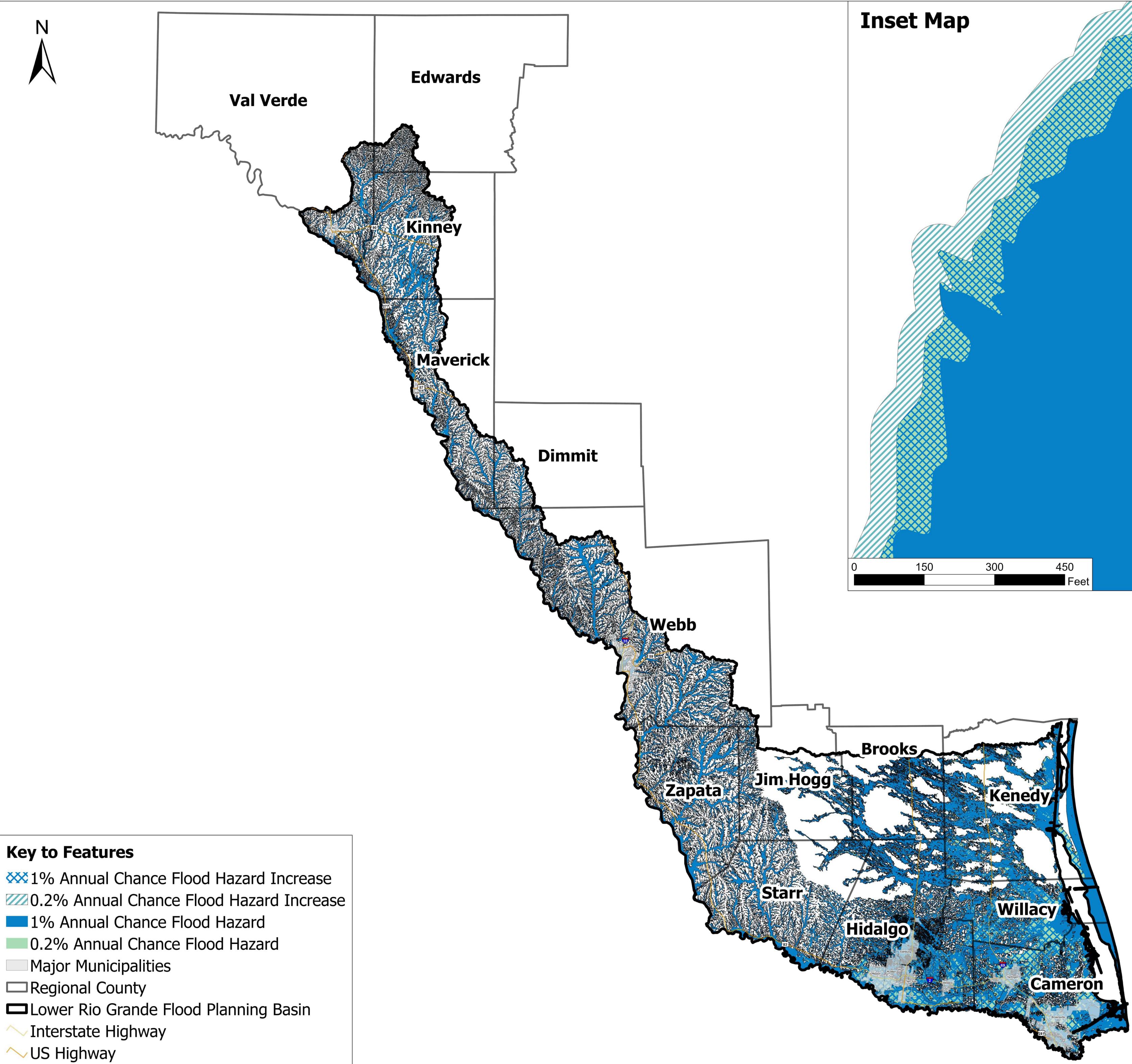




MAP 9: FUTURE CONDITION FLOOD HAZARD GAPS IN INUNDATION BOUNDARY MAPPING AND FLOOD PRONE AREAS



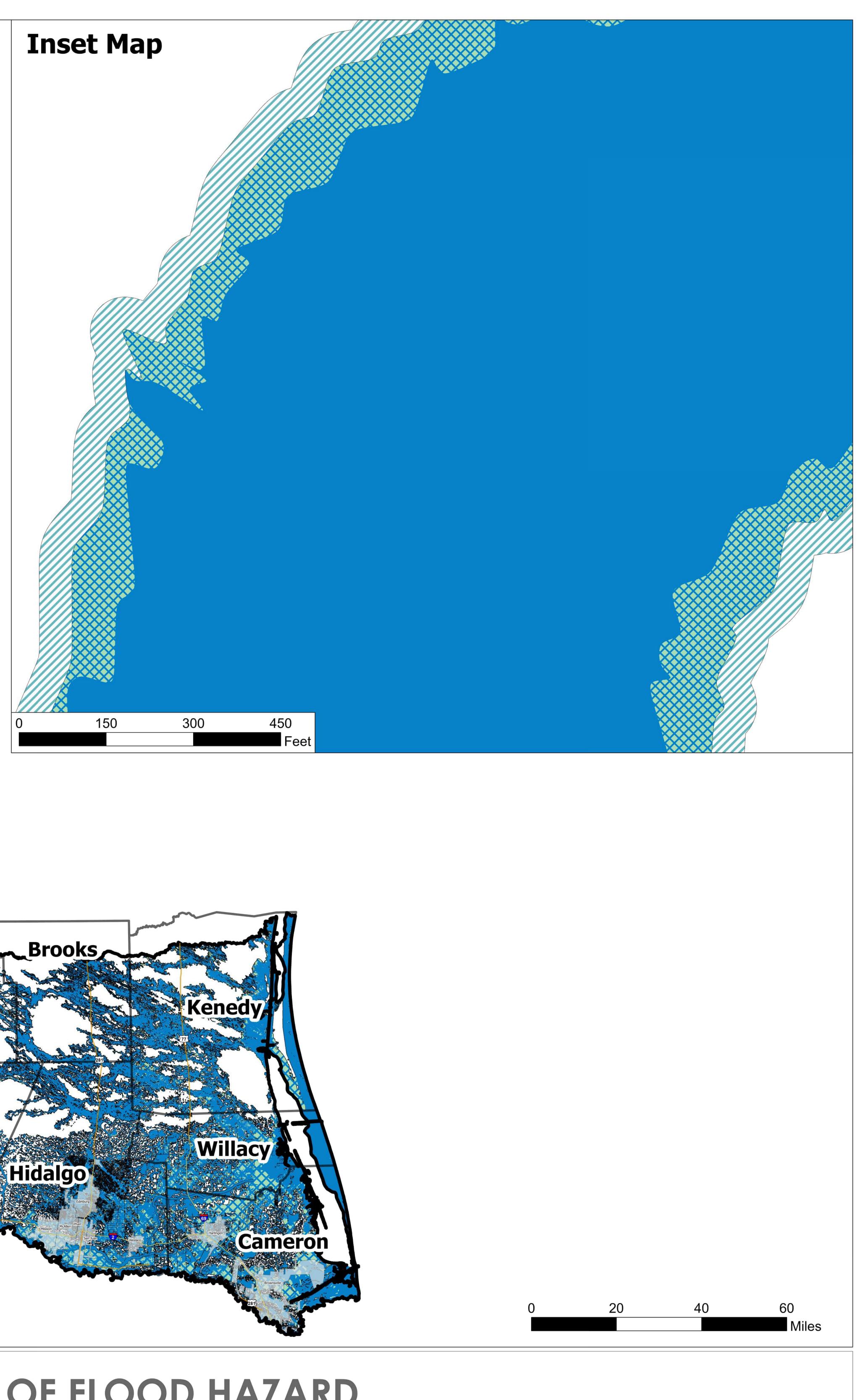


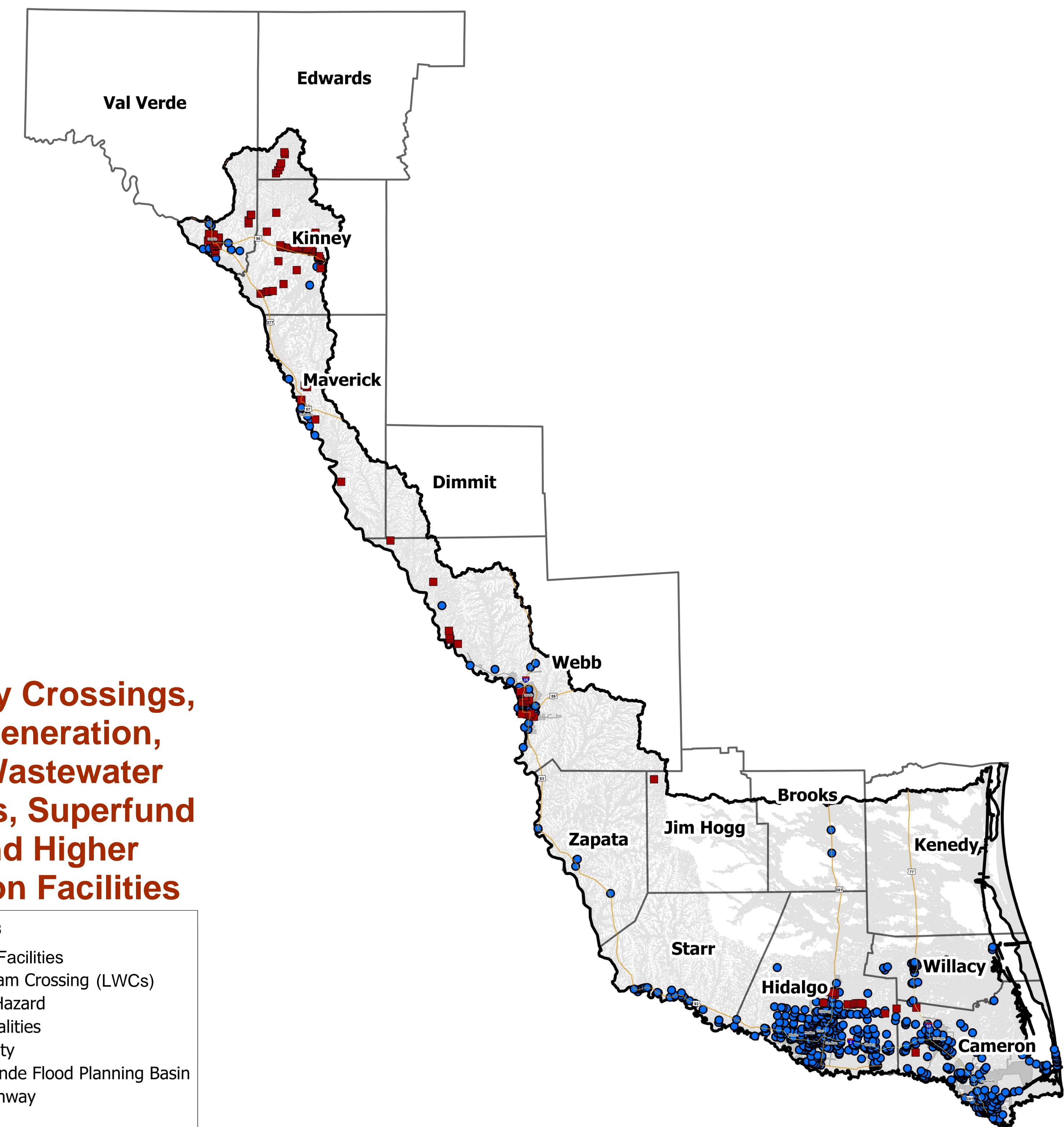


1% Annual Chance Flood Hazard Increase 1% Annual Chance Flood Hazard Regional County Lower Rio Grande Flood Planning Basin



5 Lower Rio Grande MAP 10: EXTENT OF INCREASE OF FLOOD HAZARD Regional Flood Planning Group





Roadway Crossings, **Power Generation**, Water/ Wastewater Facilities, Superfund Sites, and Higher **Education Facilities**

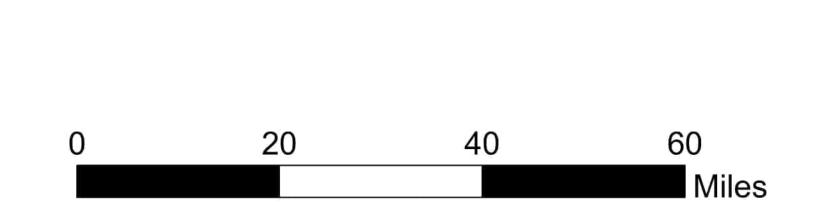
Key to Features

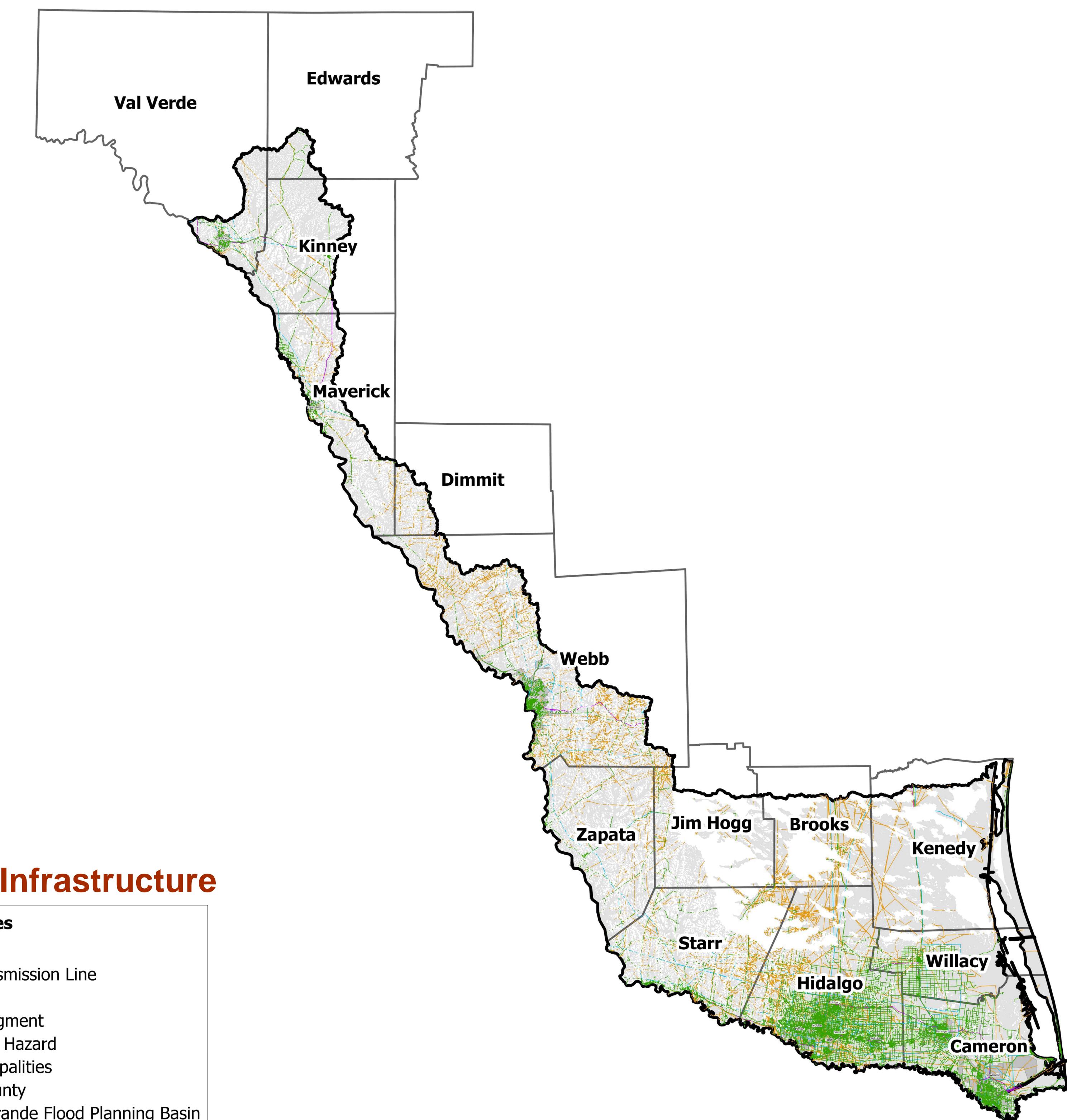
- Other Critical Facilities
- Roadway Stream Crossing (LWCs) Future Flood Hazard
- Major Municipalities
- Regional County
- Lower Rio Grande Flood Planning Basin
- Interstate Highway
- ✓US Highway



5 Lower Rio Grande MAP 11A: FUTURE CONDITION FLOOD EXPOSURE







Critical Infrastructure

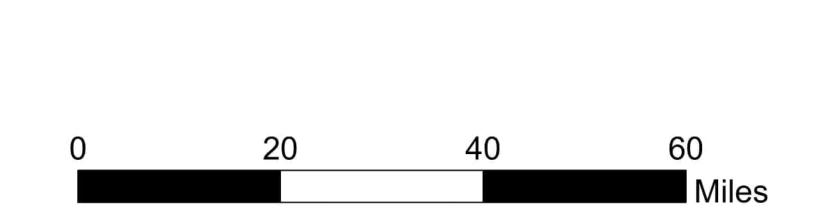
Key to Features

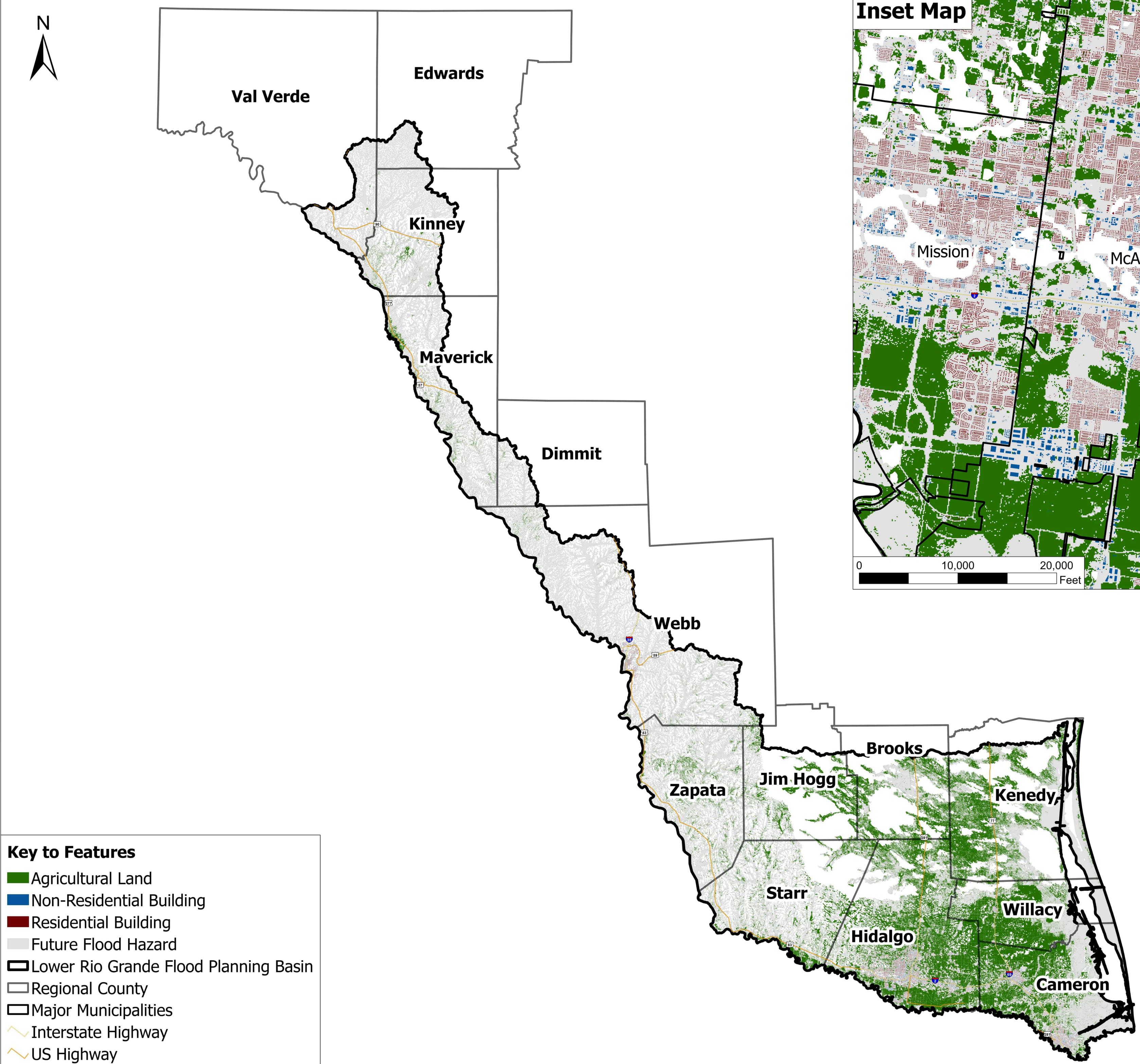
- -Gas Pipeline
- Electric Transmission Line
- Railroad
- -Roadway Segment
- Future Flood Hazard
- Major Municipalities
- Regional County
- Lower Rio Grande Flood Planning Basin



5 Lower Rio Grande MAP 118: FUTURE CONDITION FLOOD EXPOSURE



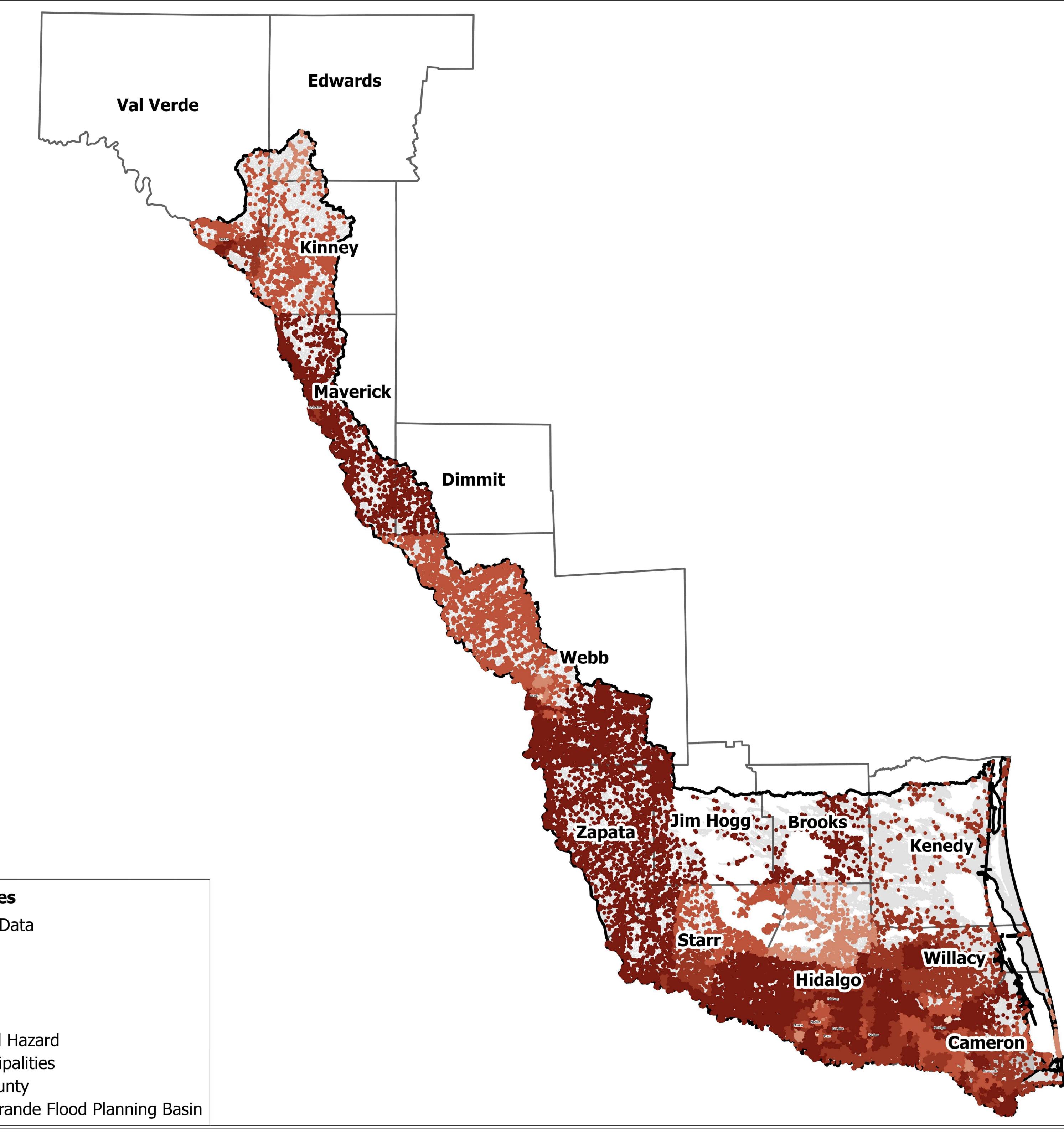






5 Lower Rio Grande MAP 11C: FUTURE CONDITION FLOOD EXPOSURE

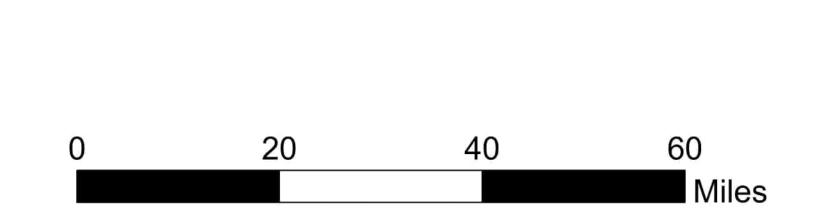


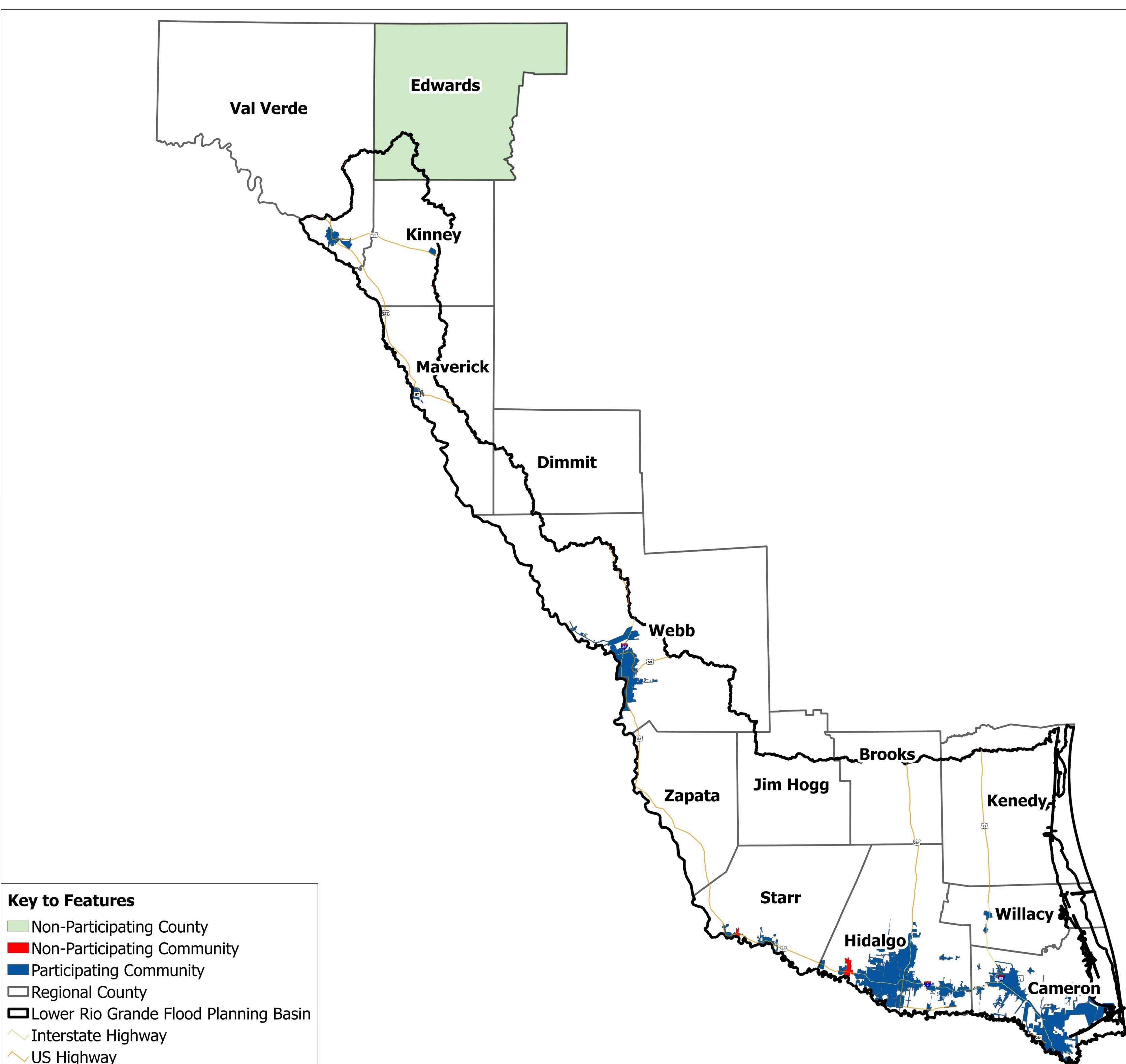


- Missing SVI Data
- 0-0.50
- 0.50-0.75
- 0.75-0.85
- 0.85-1
- Future Flood Hazard
- Major Municipalities
- Regional County
- Lower Rio Grande Flood Planning Basin

MAP 12: FUTURE CONDITION VULNERABILITY





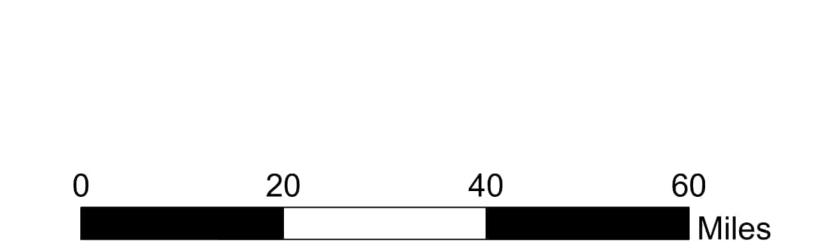


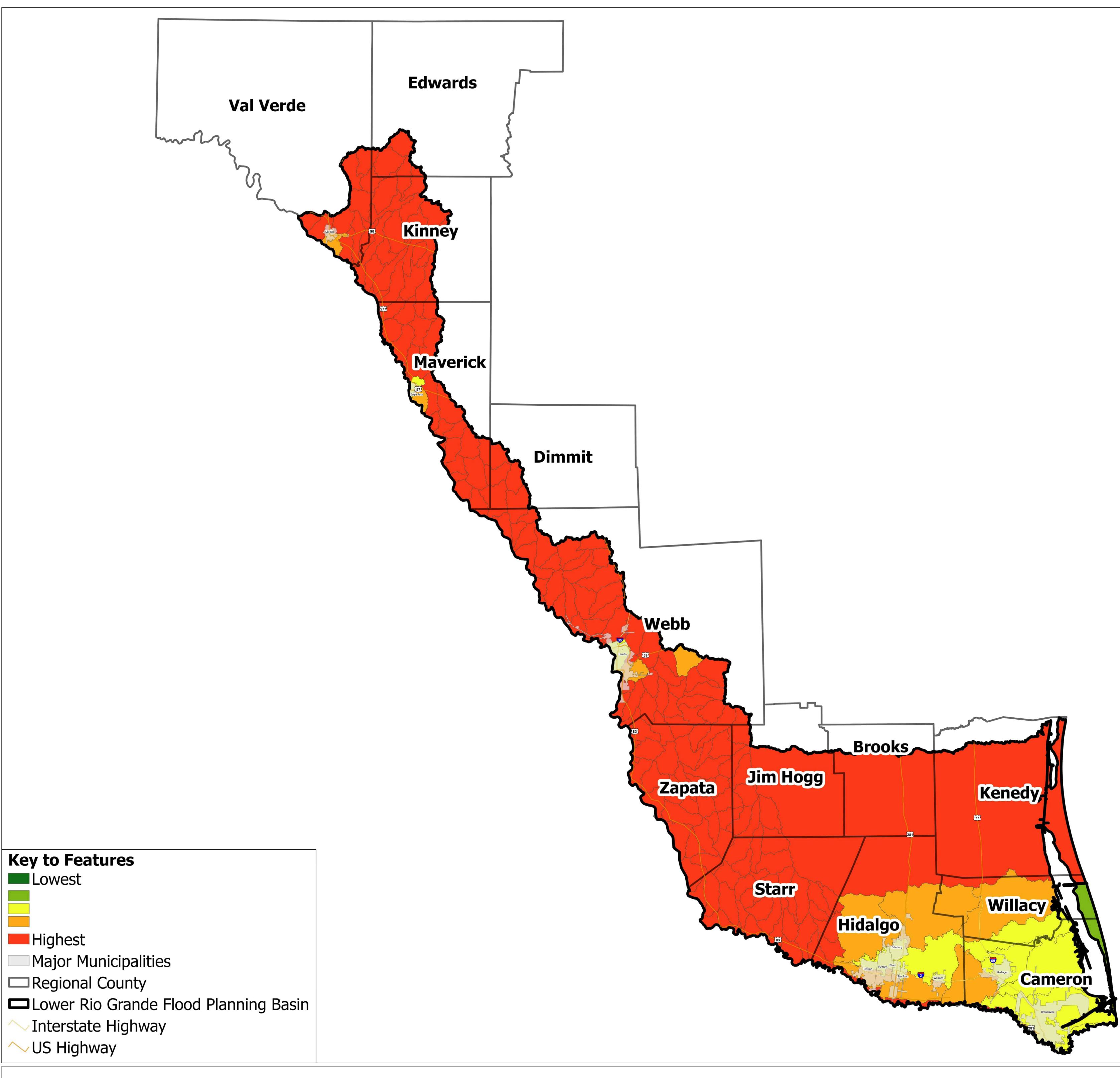
- ✓US Highway



5 Lower Rio Grande MAP 13: FLOODPLAIN MANAGEMENT PRACTICES



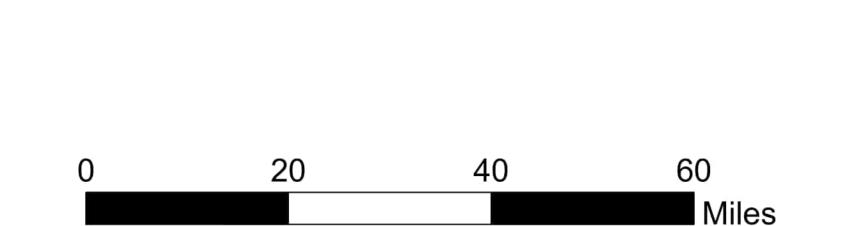


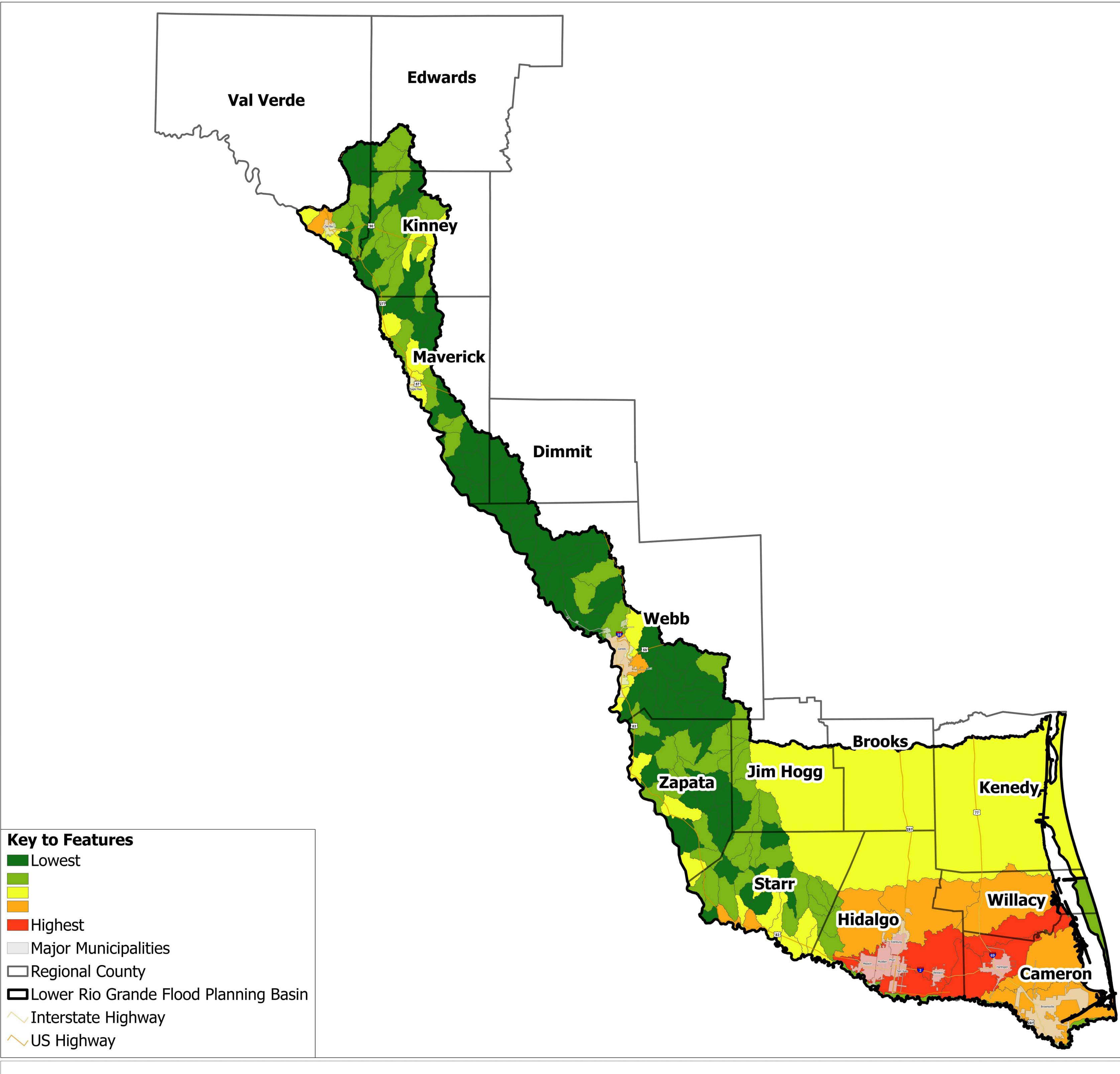




5 Lower Rio Grande MAP 14: GREATEST GAPS IN FLOOD RISK KNOWLEDGE Regional Flood Planning Group



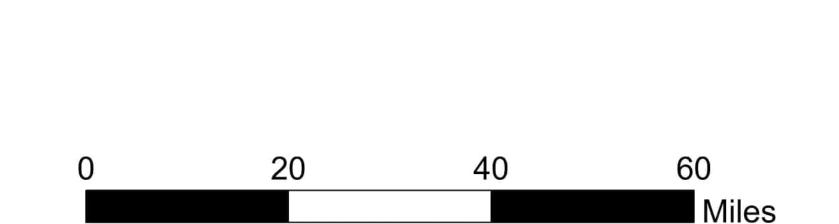


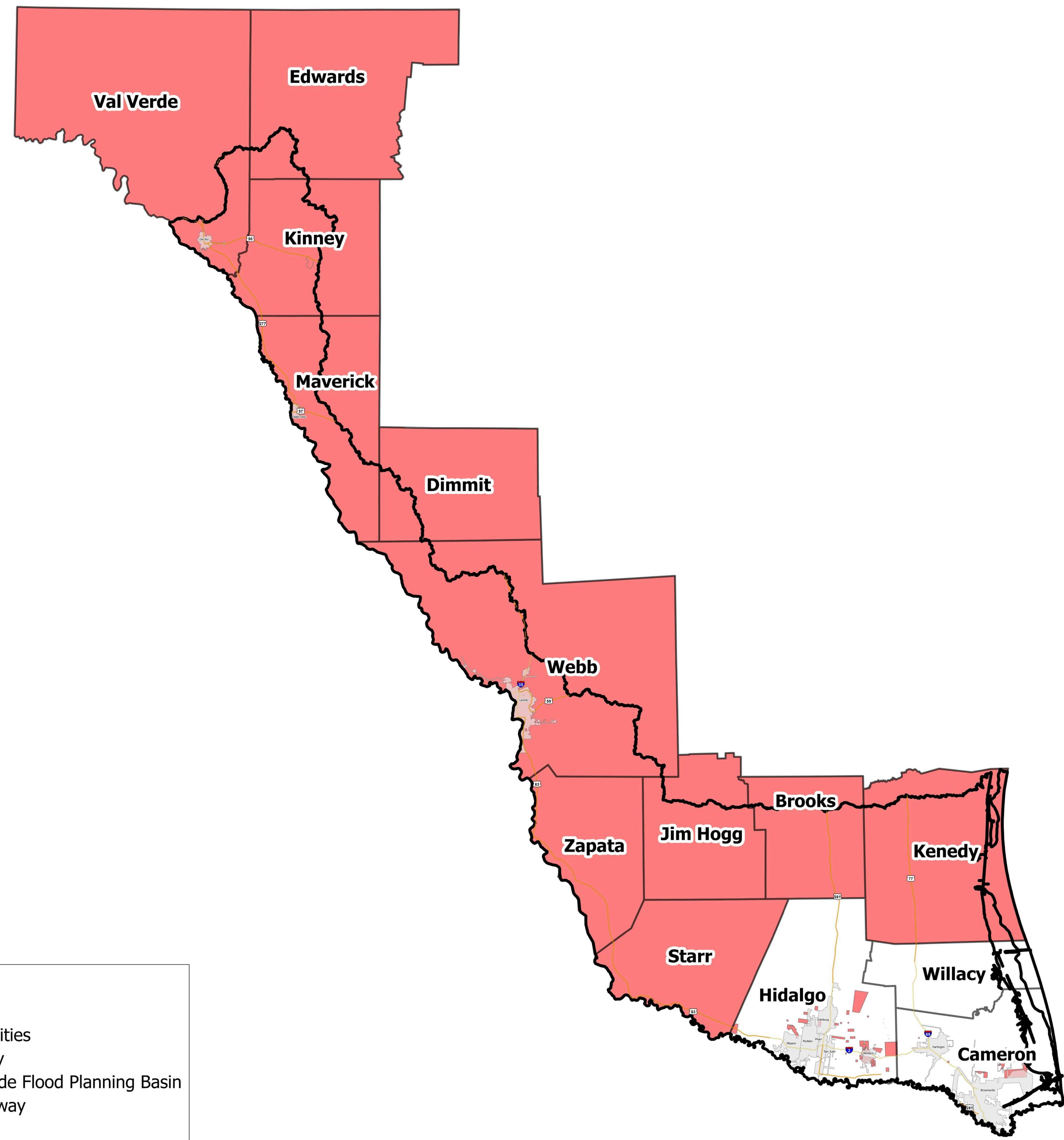




MAP 15: AREAS OF GREATEST KNOWN FLOOD RISK





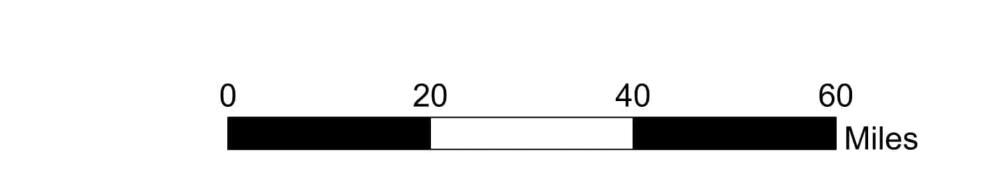


- FME
- Major Municipalities
- Regional County
- Lower Rio Grande Flood Planning Basin
- Interstate Highway
- ✓US Highway



5 Lower Rio Grande MAP 16: POTENTIAL FLOOD MANAGEMENT EVALUATIONS









FMP

Major Municipalities

Regional County

Lower Rio Grande Flood Planning Basin

Interstate Highway

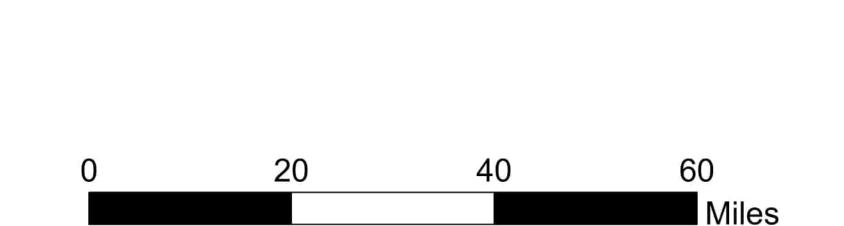


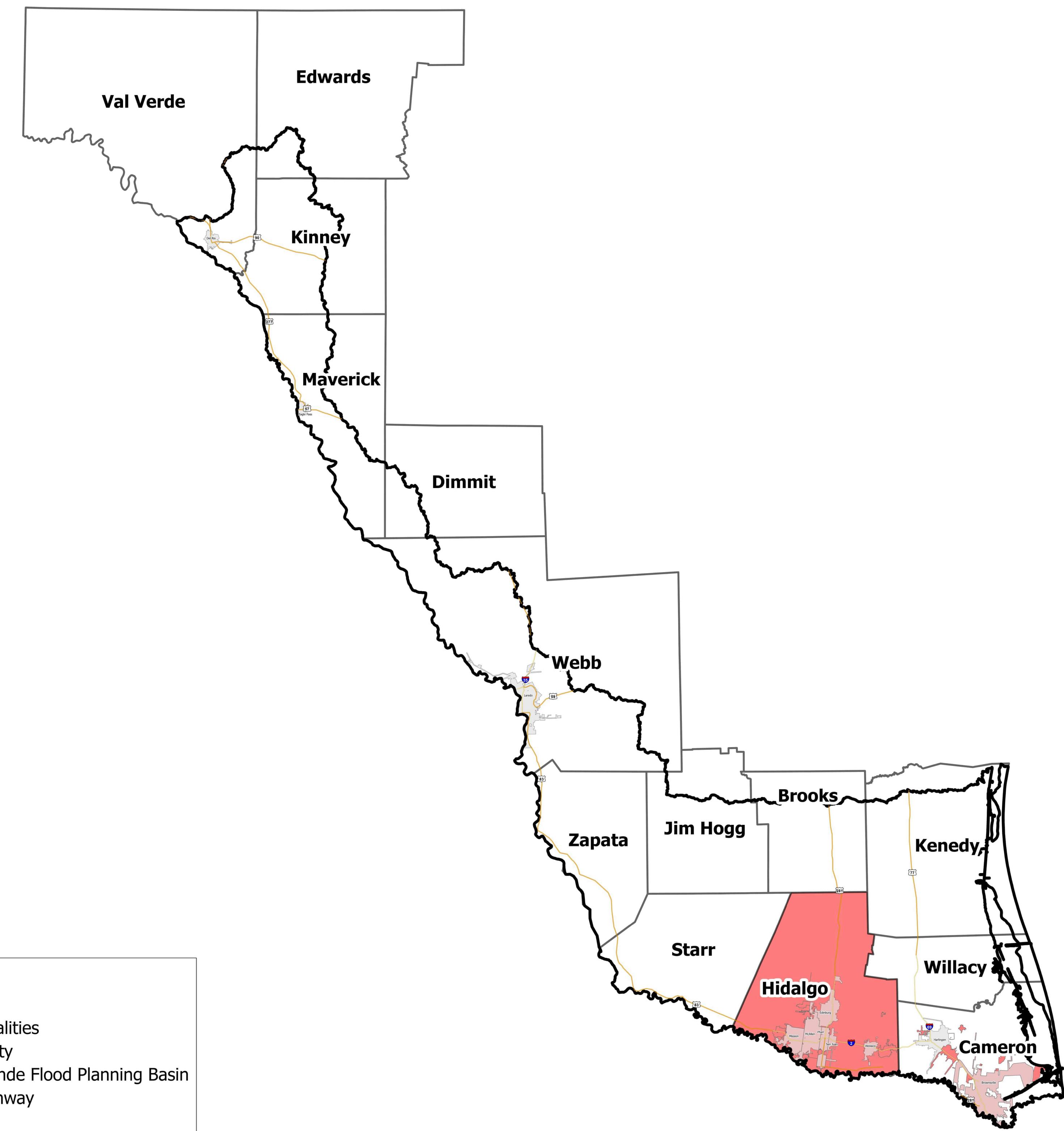




MAP 17: POTENTIAL FLOOD MITIGATION PROJECTS





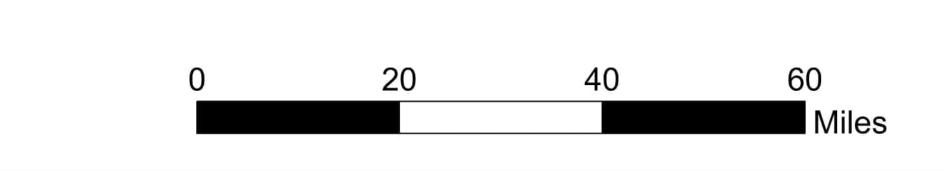


- FMS
- Major Municipalities
- Regional County
- Lower Rio Grande Flood Planning Basin
- Interstate Highway
- ✓US Highway

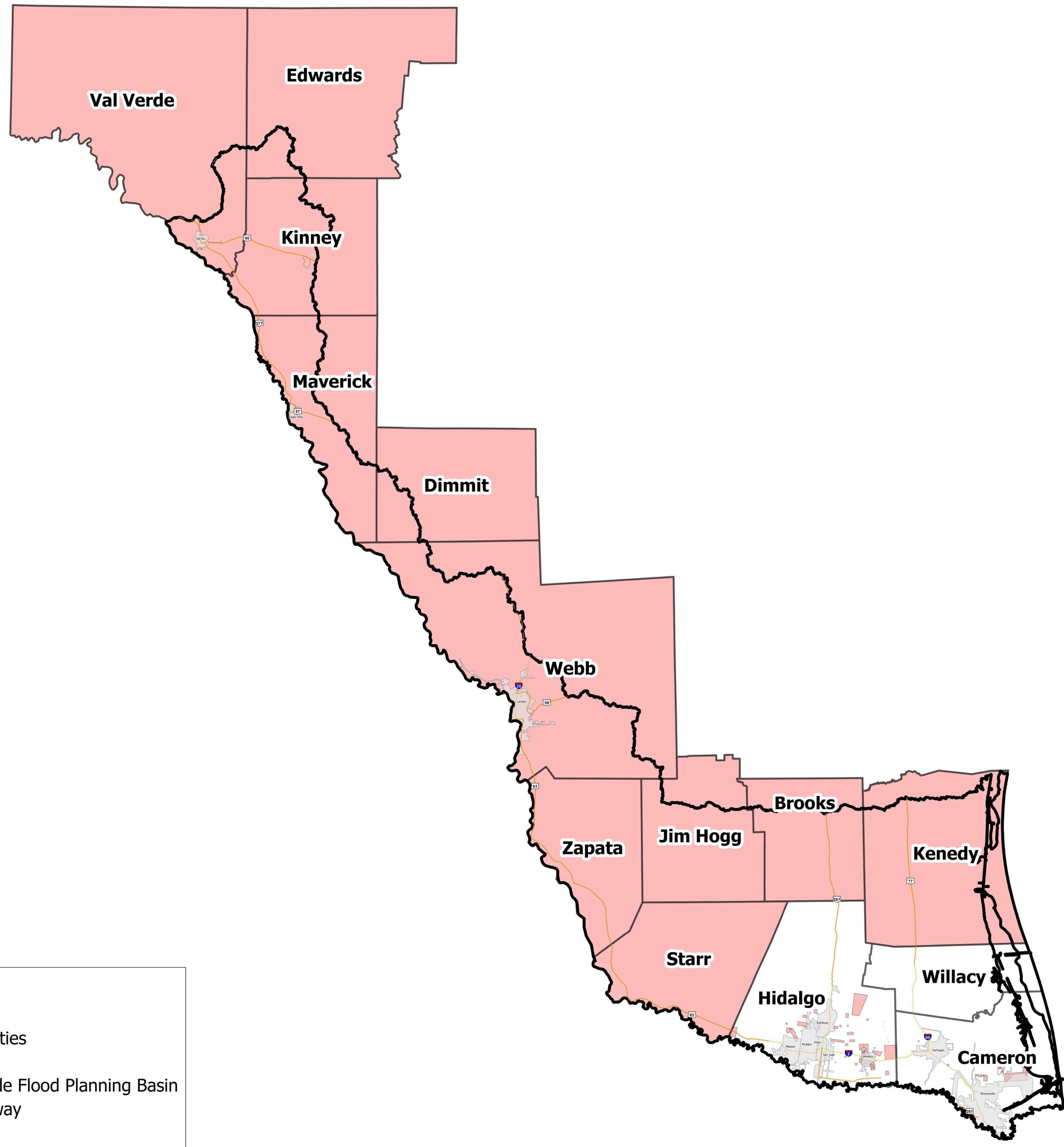


MAP 18: POTENTIAL FLOOD MANAGEMENT STRATEGIES







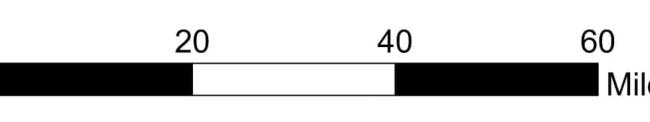


- FME
- Major Municipalities
- Regional County
- Lower Rio Grande Flood Planning Basin
- Interstate Highway
- ✓US Highway



MAP 19: RECOMMENDED FLOOD MANAGEMENT EVALUATIONS







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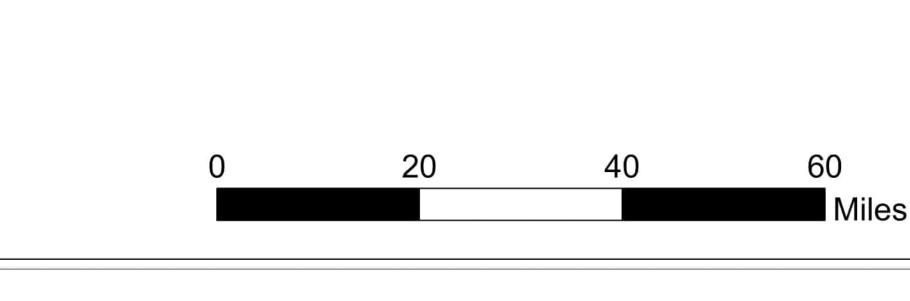


- FMP
- Major Municipalities
- Regional County
- Lower Rio Grande Flood Planning Basin
- Interstate Highway
- ✓US Highway

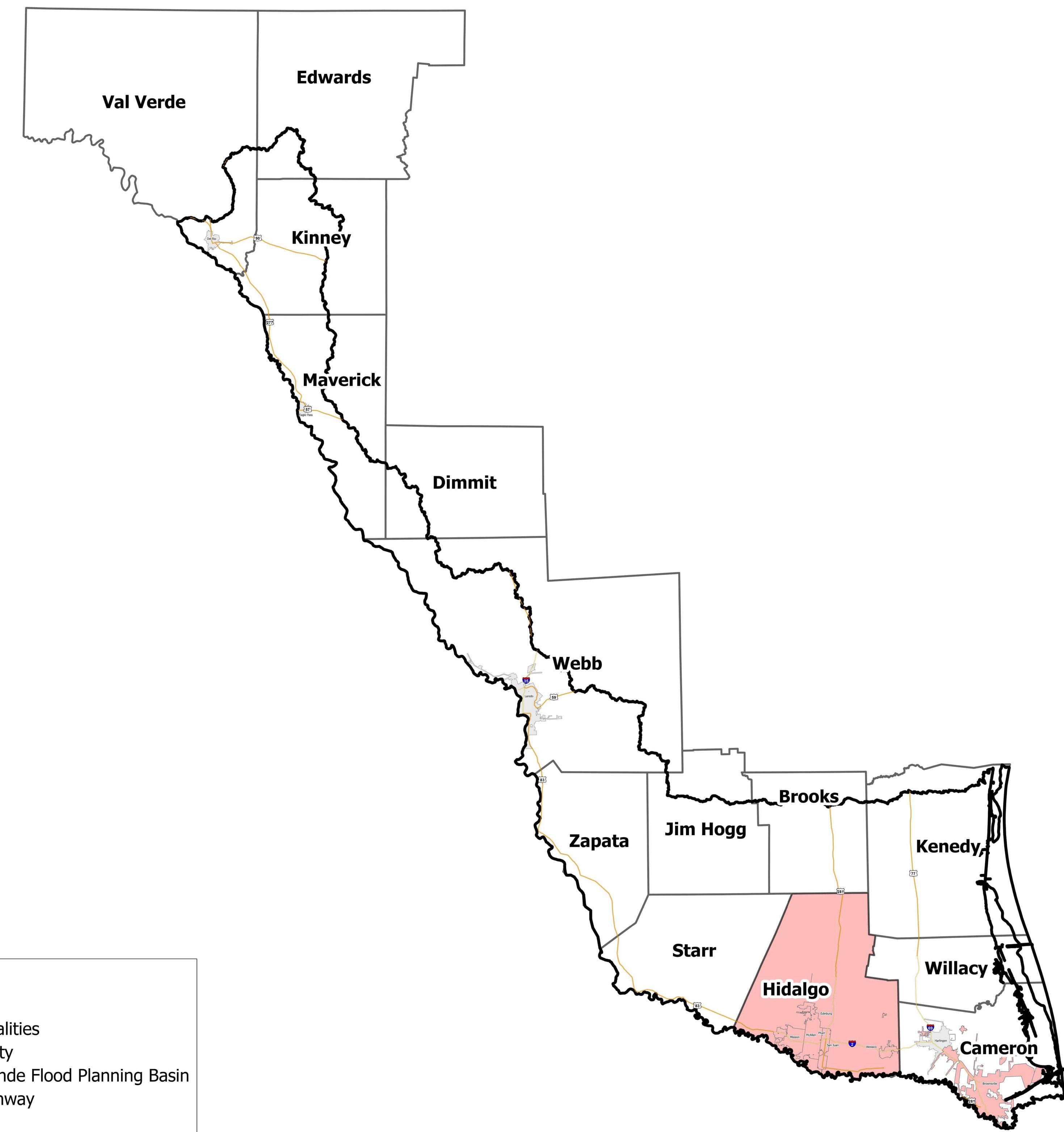


MAP 20: RECOMMENDED FLOOD MITIGATION PROJECTS









- FMS
- Major Municipalities
- Regional County
- Lower Rio Grande Flood Planning Basin
- Interstate Highway
- ✓US Highway



MAP 21: RECOMMENDED FLOOD MANAGEMENT STRATEGIES



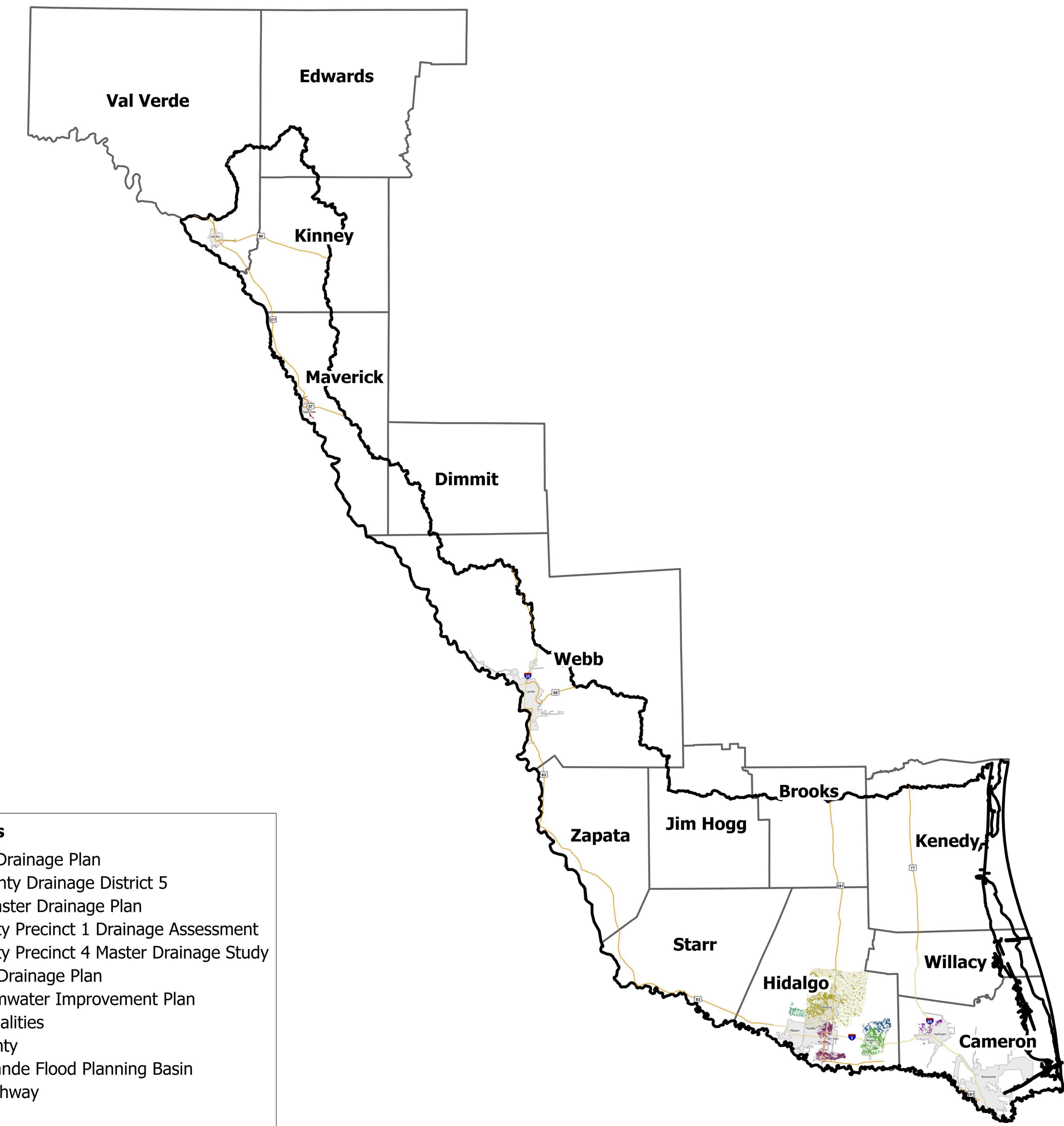


20

60

Miles

40

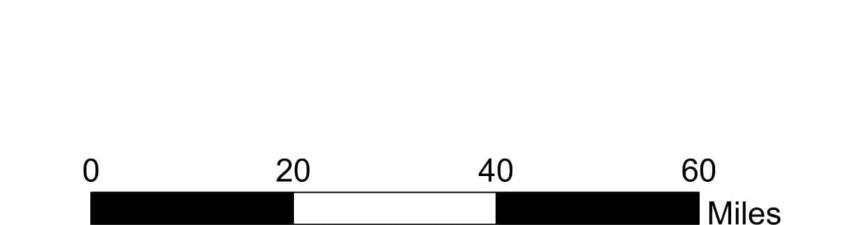


- Alton Master Drainage Plan
- Cameron County Drainage District 5
- Eagle Pass Master Drainage Plan
- Hidalgo County Precinct 1 Drainage Assessment
- Hidalgo County Precinct 4 Master Drainage Study
- Pharr Master Drainage Plan
- Weslaco Stormwater Improvement Plan
- Major Municipalities
- Regional County
- Lower Rio Grande Flood Planning Basin
- Interstate Highway
- ✓US Highway



MAP 22: MODEL COVERAGE







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