



# 2023 Regional Flood Plan

## Appendices

Region 11 / Guadalupe

January 2023

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## **Appendix 1-A |**

## List of Previous Studies Considered for Development of the Regional Flood Plan



**List of Previous Studies Relevant to the Regional Flood Plan**

<b>Title</b>	<b>Study Area</b>	<b>Sponsor</b>	<b>Year</b>
<b>Bandera County Flood Insurance Study (FIS)</b>	Bandera County	Federal Emergency Management Agency (FEMA)	2020
<b>Bastrop County FIS</b>	Bastrop County	FEMA	2016
<b>Blanco County FIS</b>	Blanco County	FEMA	1991
<b>Blanco County Hazard Mitigation Plan</b>	Blanco County, City of Johnson City	Blanco County	2016
<b>Caldwell County FIS</b>	Caldwell County	FEMA	2020
<b>Caldwell County Flood Protection Planning</b>	Caldwell County	Caldwell County	2020
<b>Caldwell County Hazard Mitigation Action Plan</b>	Caldwell County, City of Lockhart, City of Luling, City of Martindale, Emergency Service District (ESD) #1, ESD #3, ESD #4, County Line Special Utility District, Lockhart Independent School District (ISD), Luling ISD, Martindale Water Supply Corporation, Maxwell Water Supply Corporation, and Plum Creek Conservation District	Caldwell County	2020
<b>Hays Caldwell Water Treatment Plant Floodwall</b>	Portion of Hays County	Canyon Regional Water Authority (WA)	2020
<b>Pipeline Bore Under Lake Dunlap</b>	Lake Dunlap	Canyon Regional WA	2020
<b>Calhoun County FIS</b>	Calhoun County	FEMA	2018
<b>Calhoun County Hazard Mitigation Plan</b>	Calhoun County, City of Port Lavaca, City of Seadrift, and City of Point Comfort	Calhoun County	2017
<b>Comal County FIS</b>	Comal County	FEMA	2009
<b>Comal County Hazard Mitigation Action Plan</b>	Comal County, City of Bulverde, City of Garden Ridge, and City of New Braunfels	Comal County	2018
<b>River Road Low Water Crossing Improvement</b>	Comal County	Comal County Master Water Improvement District (WID)	2020
<b>Veramendi Regional Stormwater Detention Facility</b>	Comal County	Comal County Master WID	2020
<b>DeWitt County FIS</b>	DeWitt County	FEMA	2011
<b>DeWitt County Mitigation Action Plan</b>	Unincorporated DeWitt County, City of Cuero, City of Nordheim, City of Yorktown, DeWitt County Drainage District	DeWitt County	2016
<b>Flood Warning System &amp; Stream Gage Network</b>	DeWitt County	DeWitt County Drainage District #1	2020
<b>Fayette County FIS</b>	Fayette County	FEMA	2006

<b>Title</b>	<b>Study Area</b>	<b>Sponsor</b>	<b>Year</b>
<b>Fayette County Multi-Jurisdictional Hazard Mitigation Plan Update</b>	Fayette County, City of Carmine, City of Flatonia, City of LaGrange	Texas Colorado River Floodplain Coalition	2011
<b>Gillespie County FIS</b>	Gillespie County	FEMA	2001
<b>City of Fredericksburg and Gillespie County Hazard Mitigation Plan</b>	The City of Fredericksburg and Gillespie County	The City of Fredericksburg and Gillespie County	2018
<b>Goliad County FIS</b>	Goliad County	FEMA	2010
<b>Goliad County Hazard Mitigation Action Plan</b>	Goliad County	Goliad County Emergency Management	2015
<b>Gonzales County FIS</b>	Gonzales County	FEMA	2020
<b>Gonzalez County Multi-Hazard Mitigation Plan</b>	Gonzales County, City of Gonzales, City of Nixon, City of Smiley, and City of Waelder	Gonzales County	2018
<b>Guadalupe County FIS</b>	Guadalupe County	FEMA	2020
<b>Guadalupe County Hazard Mitigation Action Plan</b>	Guadalupe County, City of Cibolo, and City of Seguin	Guadalupe County	2021
<b>Lake Dunlap Spillgate Replacement and Dam Armoring</b>	Lake Dunlap	Guadalupe-Blanco River Authority (RA)	2020
<b>Lake McQueeney Spillgate Replacement and Dam Armoring</b>	Lake McQueeney	Guadalupe-Blanco RA	2020
<b>Lake Placid Spillgate Replacement and Dam Armoring</b>	Lake Placid	Guadalupe-Blanco RA	2020
<b>Hays County FIS</b>	Hays County	FEMA	2005
<b>Hays County Hazard Mitigation Plan</b>	Hays County, Village of Bear Creek, City of Buda, City of Dripping Springs, City of Hays, City of Kyle, City of Mountain City, City of Niederwald, City of San Marcos, City of Uhland, City of Wimberley, and City of Woodcreek	Hays County	2017
<b>Hays County Community Flood Mitigation</b>	Hays County	Hays County	2020
<b>Karnes County FIS</b>	Karnes County	FEMA	2010
<b>Karnes County Multi-Jurisdictional – Wilson County Multi-Jurisdictional Hazard Mitigation Action Plan</b>	Karnes County, Wilson County, City of Floresville, City of La Vernia, City of Poth, City of Stockdale, Falls City, Karnes City, City of Kennedy, City of Runge, La Vernia ISD, and Karnes City ISD	Karnes County and Wilson County	2020
<b>Flood Protection Planning Study</b>	Karnes County	Karnes County	2020
<b>Kendall County FIS</b>	Kendall County	FEMA	2020
<b>Kendall County Hazard Mitigation Plan</b>	Kendall County, Lower Colorado River Authority, Pedernales Electric Cooperative, Bandera Electric Cooperative, Boerne Chamber of Commerce, Boerne Kendall County Economic Development Corporation, Comfort Floodplain	Kendall County	2017

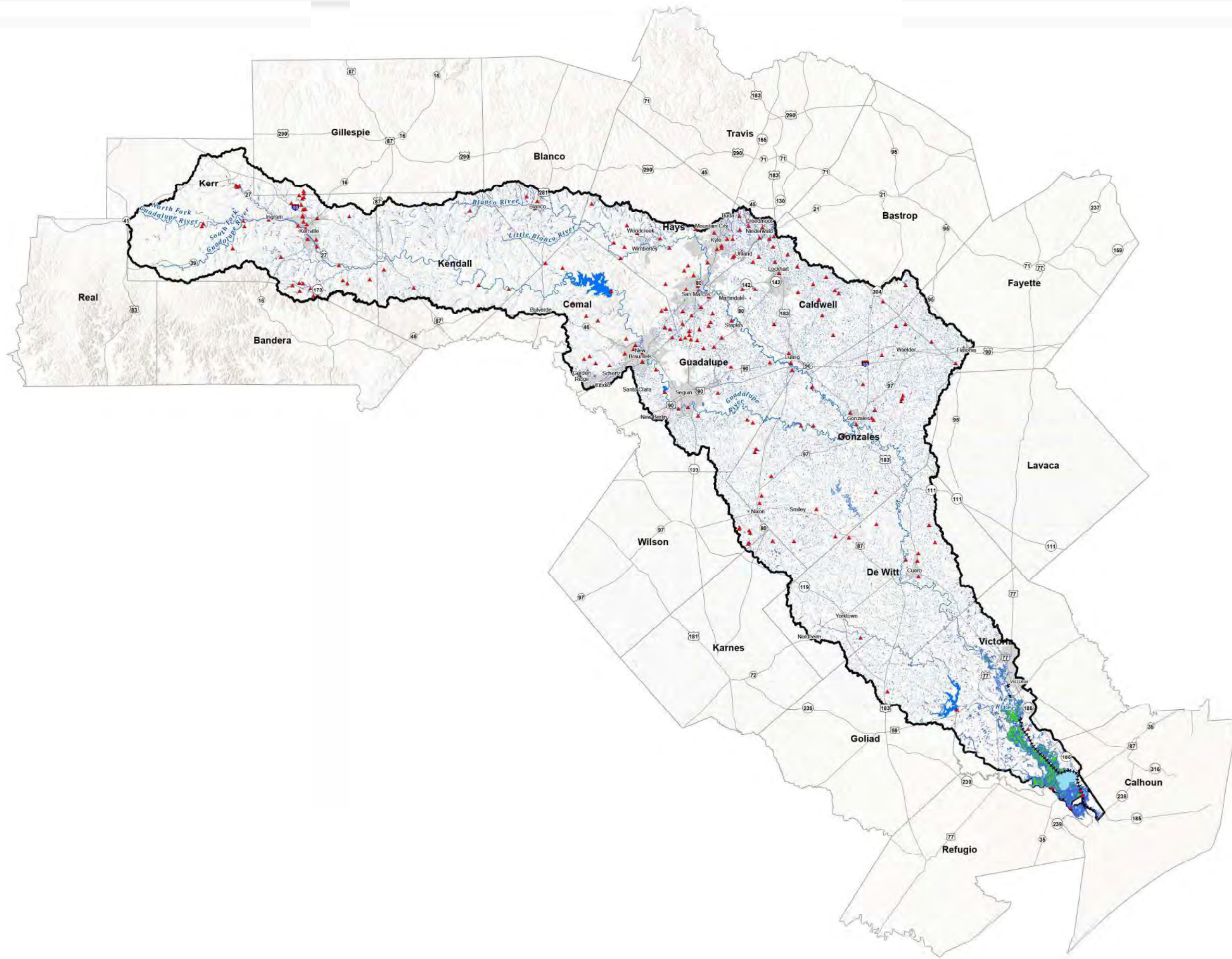


<b>Title</b>	<b>Study Area</b>	<b>Sponsor</b>	<b>Year</b>
	Coalition, and Methodist Healthcare System		
<b>Kerr County FIS</b>	Kerr County	FEMA	2020
<b>Kerr County Multi-Hazard Mitigation Plan</b>	Center Point ISD, City of Ingram, City of Kerrville, Hunt ISD, Ingram ISD, Kerr County, Kerrville ISD, Schreiner University, Sid Peterson Memorial Hospital, and Upper Guadalupe River Authority	Kerr County	2018
<b>Lavaca County FIS</b>	Lavaca County	FEMA	2010
<b>Lavaca County Hazard Mitigation Plan</b>	Lavaca County, City of Hallettsville, City of Moulton, City of Shiner, City of Yoakum	Lavaca County	2018
<b>Real County Hazard Mitigation Plan</b>	Real County, City of Leaky, and City of Camp Wood	Real County	2012
<b>Refugio County FIS</b>	Refugio County	FEMA	2014
<b>Refugio County Multi-Hazard Mitigation Plan</b>	Refugio County, Town of Refugio, Town of Woodsboro, Refugio ISD, and Woodsboro ISD	Refugio County	2016
<b>San Marcos Flood Protection Plan</b>	San Marcos	San Marcos	2007
<b>CDBG-DR Infrastructure Feasibility Study</b>	San Marcos	San Marcos	2017
<b>CDBG-DR Hydrology and Hydraulics Technical Memorandum</b>	San Marcos	San Marcos	2017
<b>2D Flood Mitigation Analysis Cottonwood Creek</b>	San Marcos	San Marcos	2021
<b>Briarwood and River Ridge Improvements</b>	San Marcos	San Marcos	2020
<b>Castle Forest Drainage Improvements</b>	San Marcos	San Marcos	2020
<b>Wallace Addition Offsite Drainage Improvements</b>	San Marcos	San Marcos	2020
<b>Travis County FIS</b>	Travis County	FEMA	2020
<b>Travis County Hazard Mitigation Plan</b>	Travis County, City of Pflugerville, City of Sunset Valley, City of Manor, City of Lakeway, and Village of the Hills	Travis County	2017
<b>City of Victoria FIS</b>	City of Victoria	FEMA	1999
<b>Storm Drainage Master Plan</b>	City of Victoria	City of Victoria	2007
<b>Kerr County Flood Warning System Preliminary Engineering Study</b>	Kerr County	Kerr County	2016
<b>New Braunfels Drainage Area Master Plan – Future Phases</b>	New Braunfels	New Braunfels	2021
<b>Drainage CIP List</b>	New Braunfels	New Braunfels	2013
<b>Landa Park Aquatics Center Parking Lot – Green Infrastructure Retrofit</b>	New Braunfels	New Braunfels	2020
<b>Victoria County FIS</b>	Victoria County	FEMA	1998
<b>Victoria County Hazard Mitigation Action Plan</b>	Victoria County, City of Victoria, and Victoria ISD	Victoria County	2018

<b>Title</b>	<b>Study Area</b>	<b>Sponsor</b>	<b>Year</b>
<b>Annex 2 – TRN Interim Feasibility Study – Phase 2</b>	Victoria County	Victoria County	2016
<b>Wilson County FIS</b>	Wilson County	FEMA	2010
<b>Wimberley Flood Hazard/Risk Assessment Project</b>	Wimberley	Wimberley	2020
<b>Stormwater Master Plan</b>	City of San Marcos	City of San Marcos	2018



**Map 1: Existing Flood Infrastructure**



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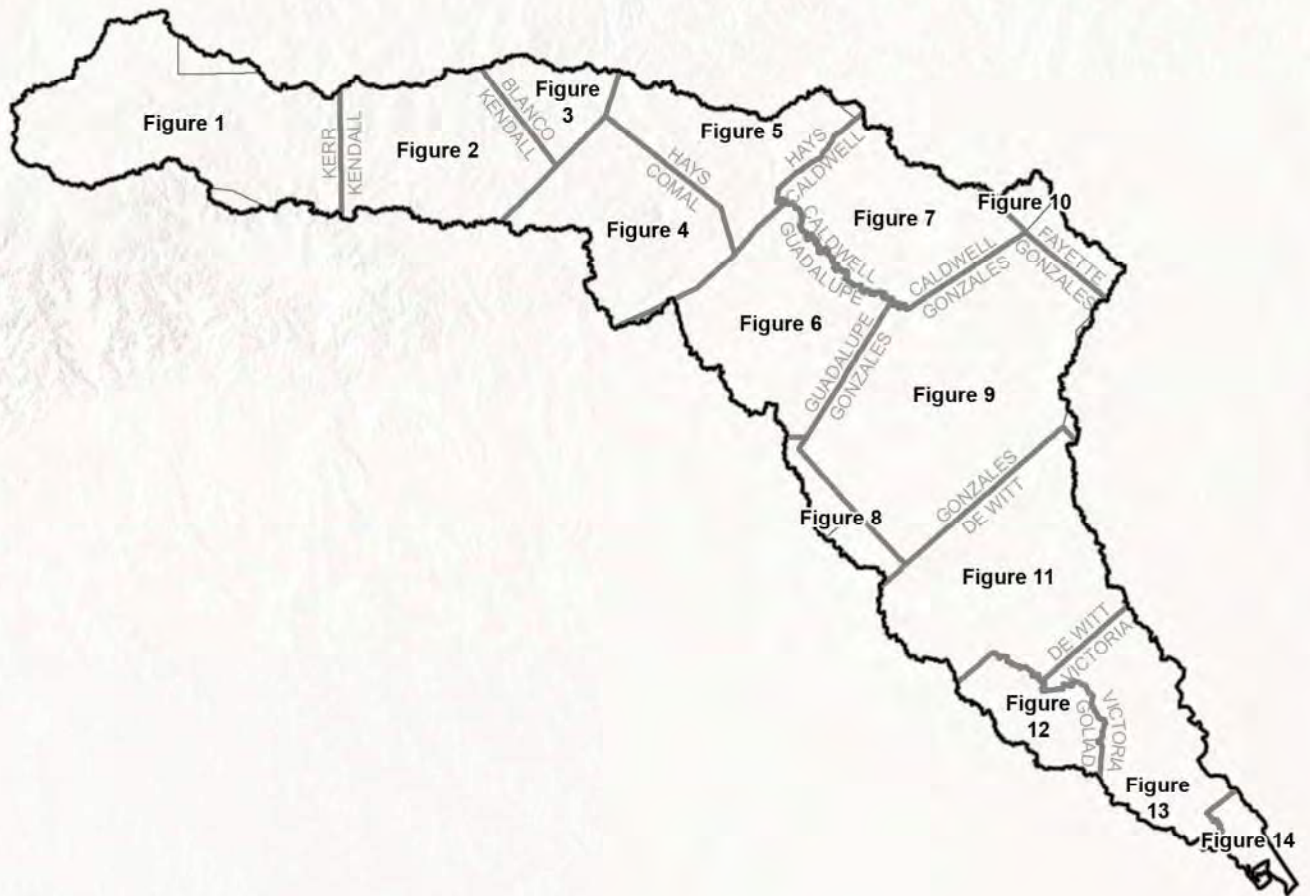
- A Dams
- Levee
- Stormwater Canal
- Pond
- Reservoir
- Wetland

**Map 1 Region - Existing Flood Infrastructure**

Region 11: Guadalupe

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 DATE: 7/20/2011  
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 Map **1**





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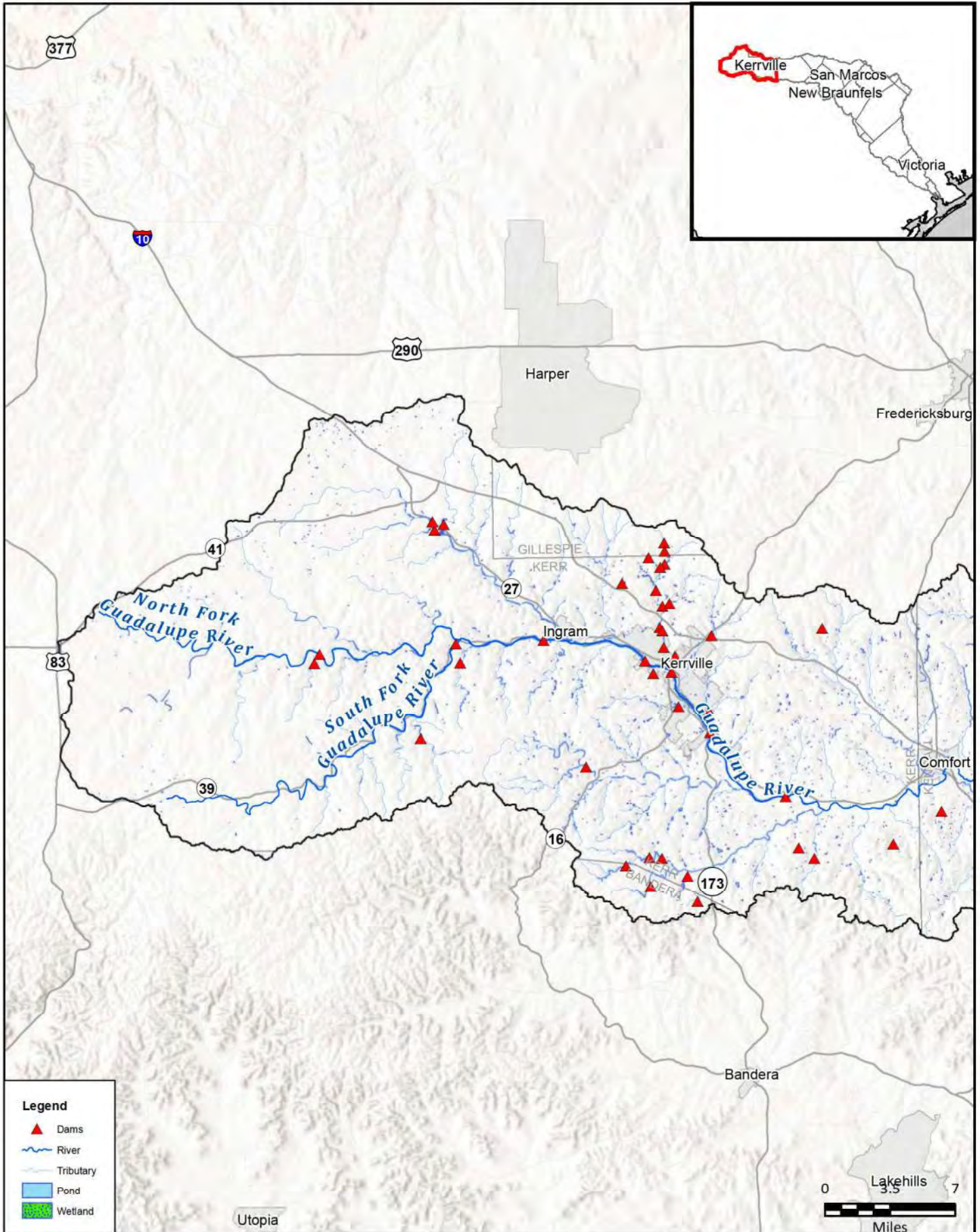
  
  
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Region 11: Guadalupe  
 Map 1 Index - Existing Flood Infrastructure  
  
**Index Map**





**FIGURE  
Index**

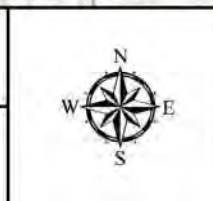




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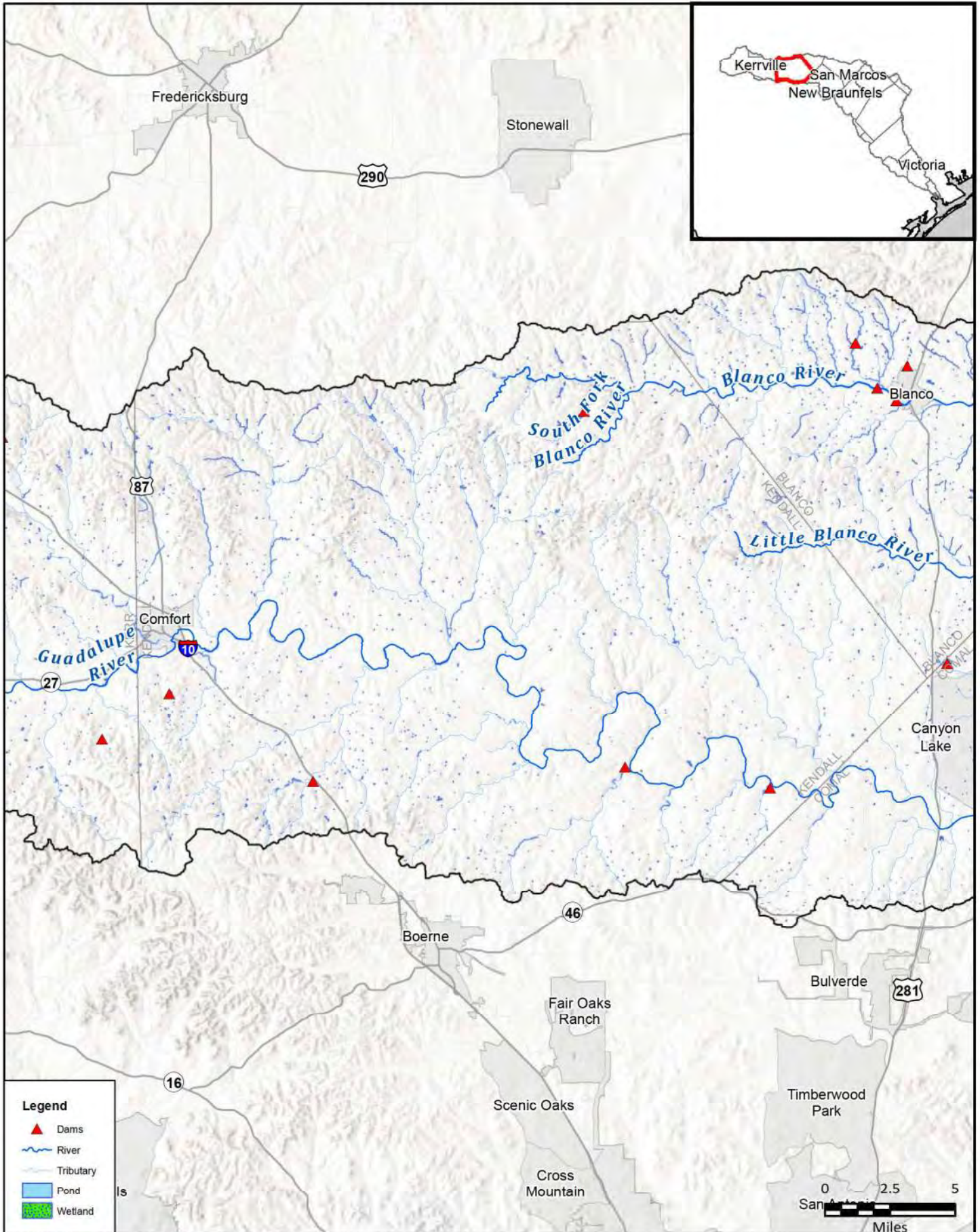

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Region 11: Guadalupe  
**Map 1 - Existing Flood Infrastructure**  
  
**Kerr County**



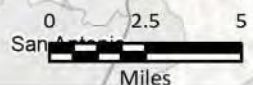
**FIGURE**  
**1 of 14**





**Legend**

- Dams
- River
- Tributary
- Pond
- Wetland



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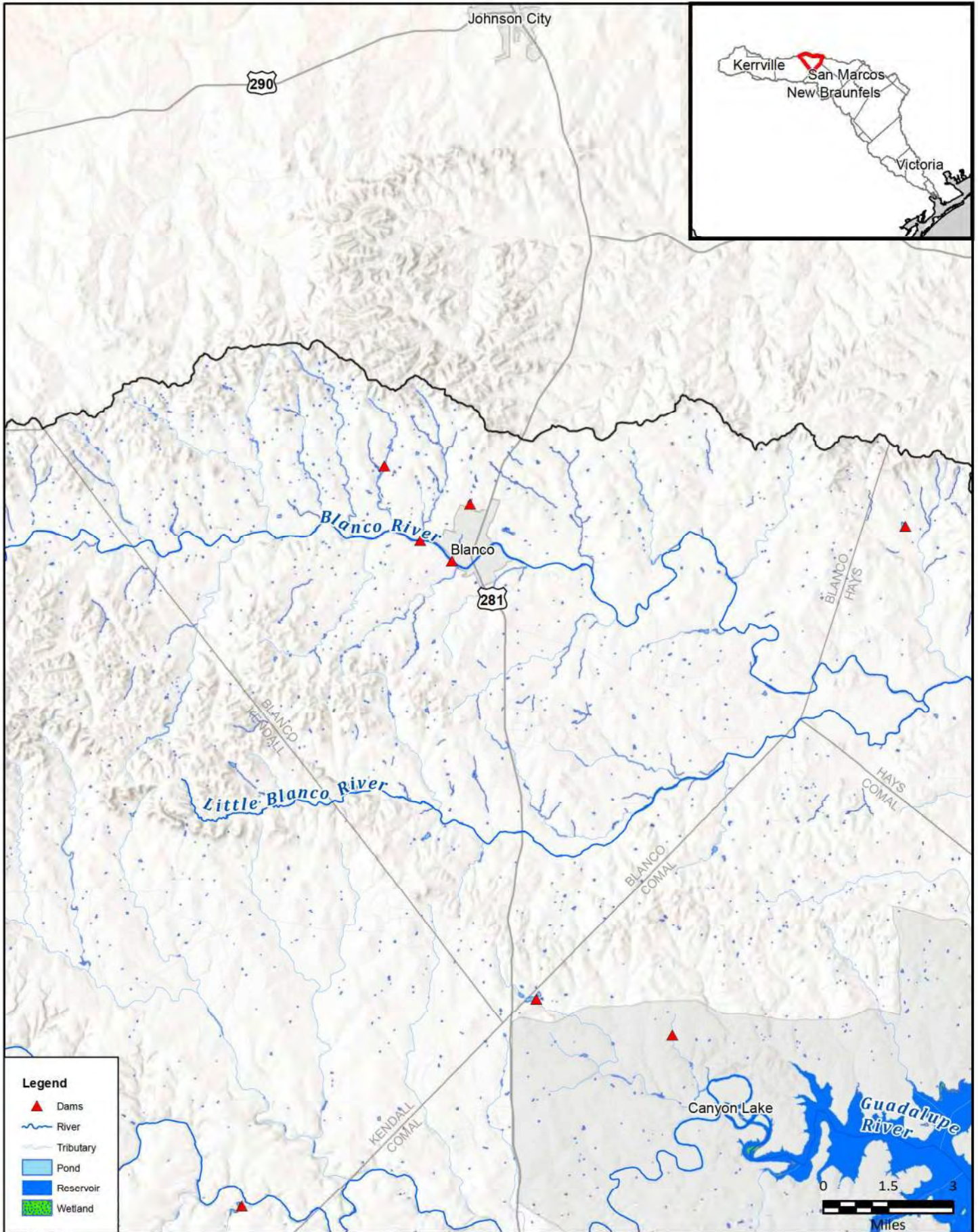
Region 11: Guadalupe  
 Map 1 - Existing Flood Infrastructure

## Kendall County



**FIGURE**  
 2 of 14



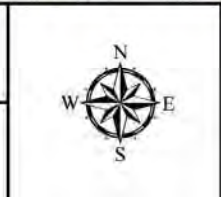


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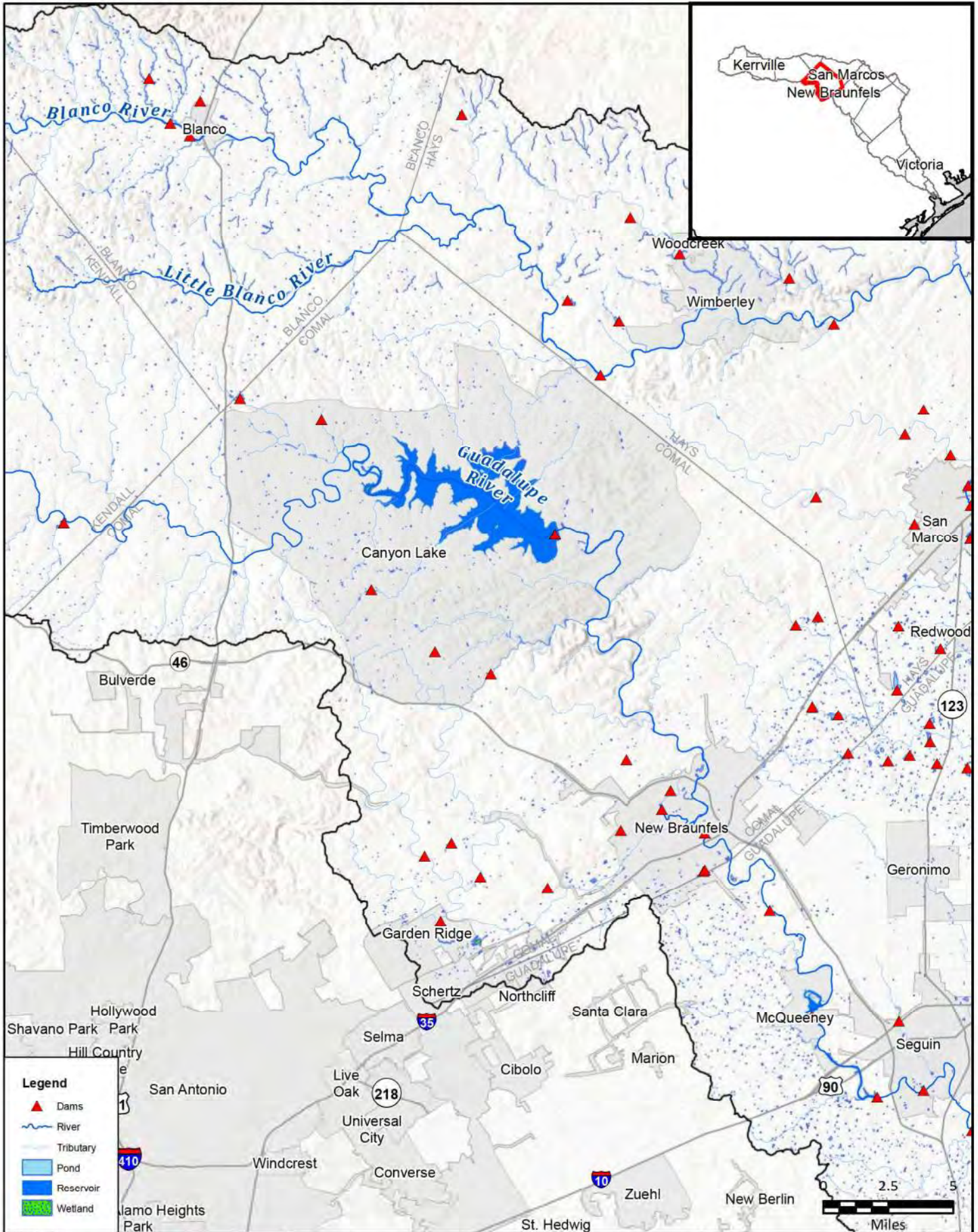
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Region 11: Guadalupe  
**Map 1 - Existing Flood Infrastructure**  
  
**Blanco County**



**FIGURE**  
**3 of 14**





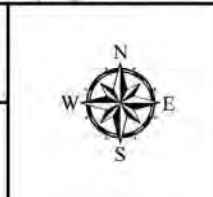
**Legend**

- Dams
- River
- Tributary
- Pond
- Reservoir
- Wetland

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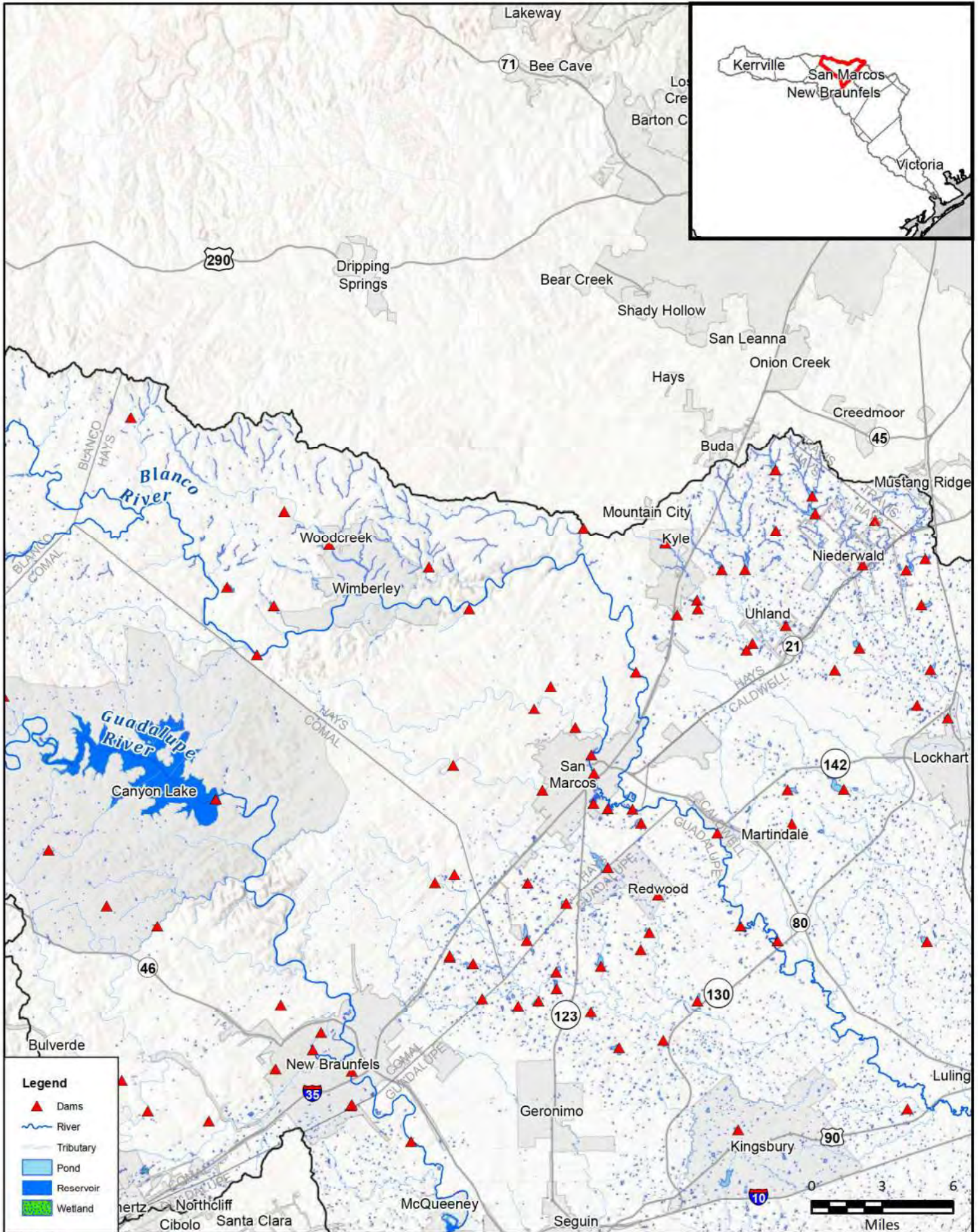
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**Map 1 - Existing Flood Infrastructure**  
**Comal County**



**FIGURE**  
**4 of 14**





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 Map 1 - Existing Flood Infrastructure  
**Hays County**

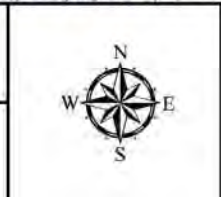
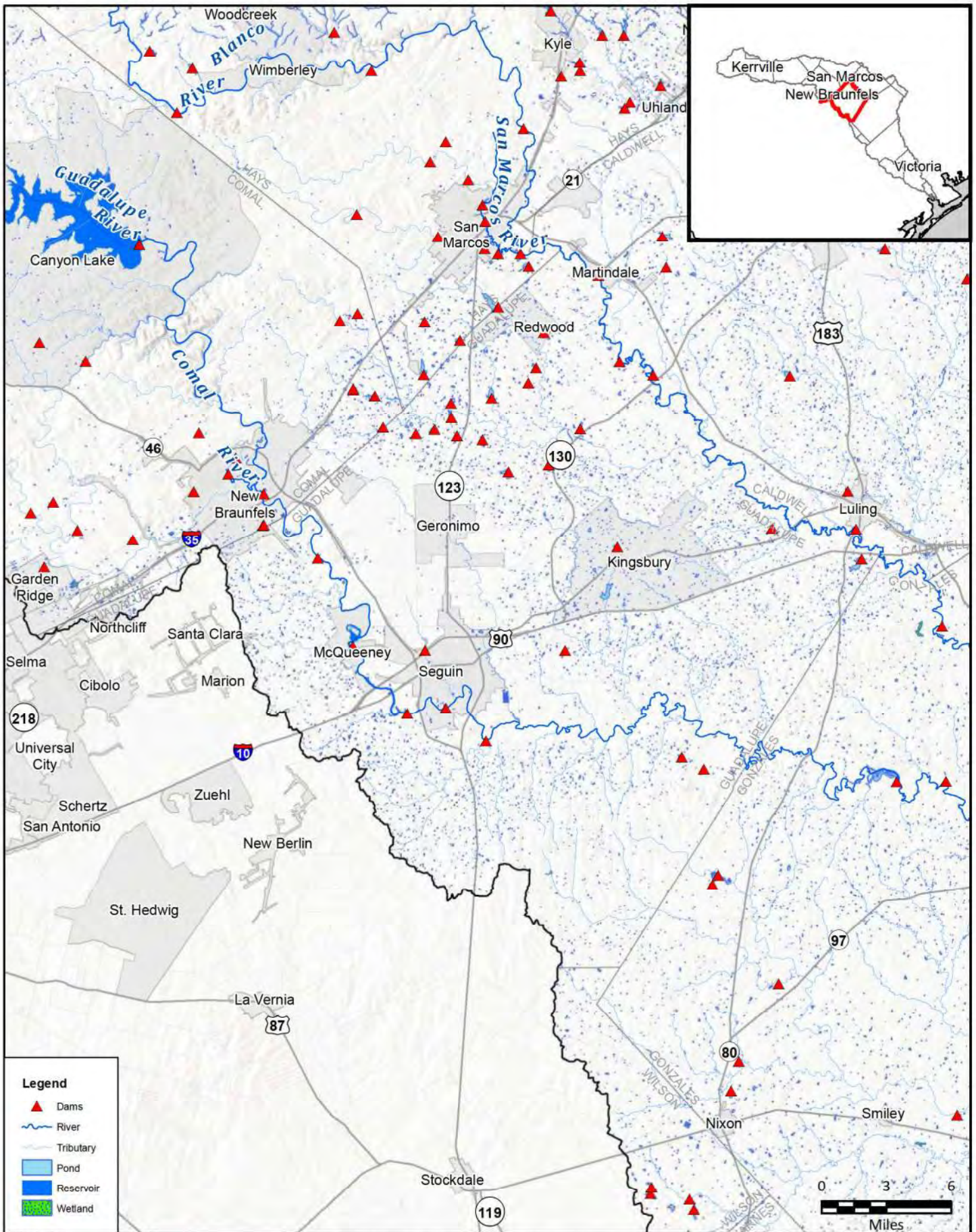


FIGURE  
 5 of 14



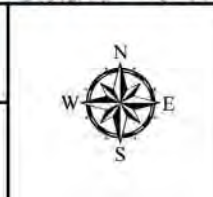


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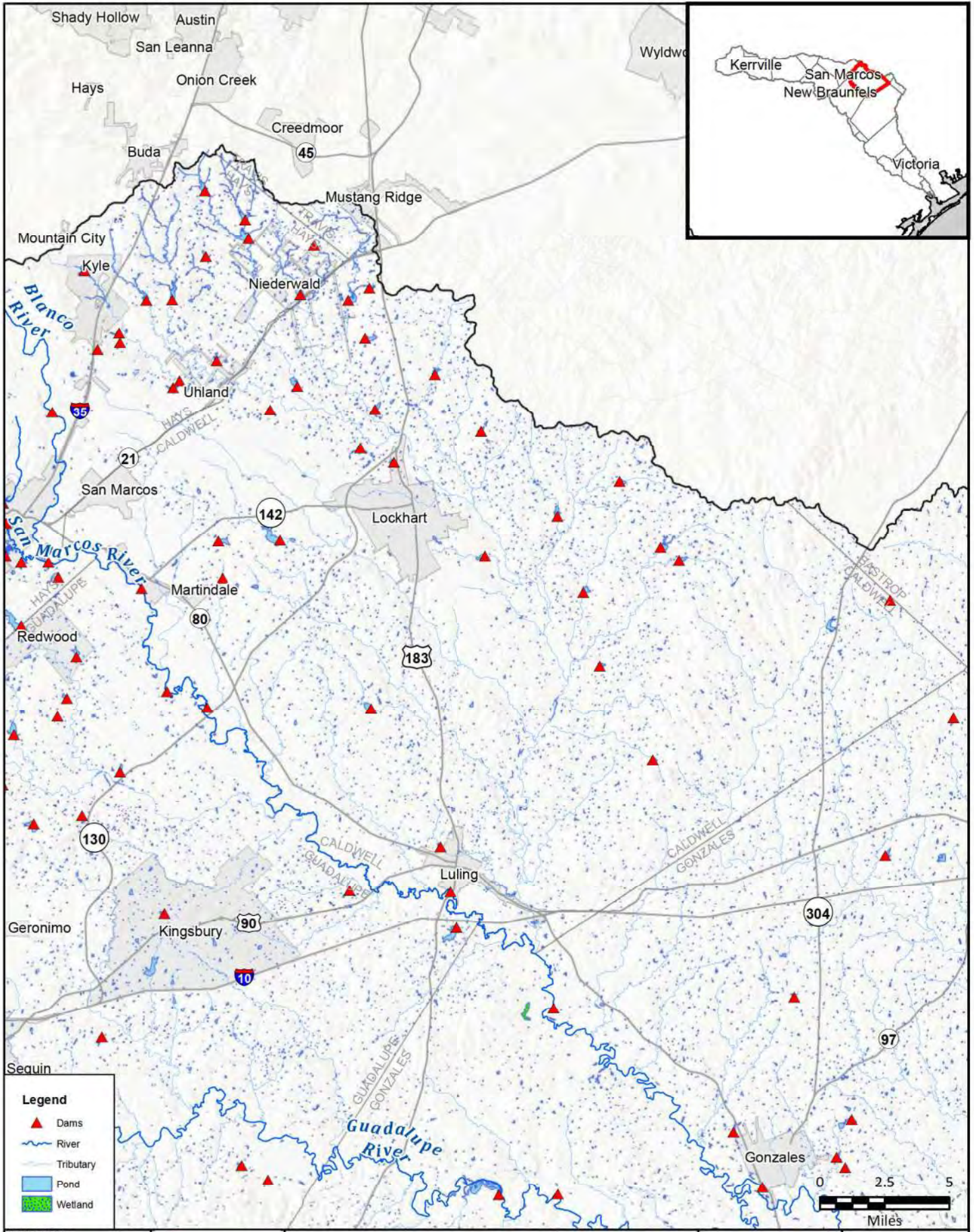
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**Map 1 - Existing Flood Infrastructure**  
**Guadalupe County**





**FIGURE**  
**6 of 14**





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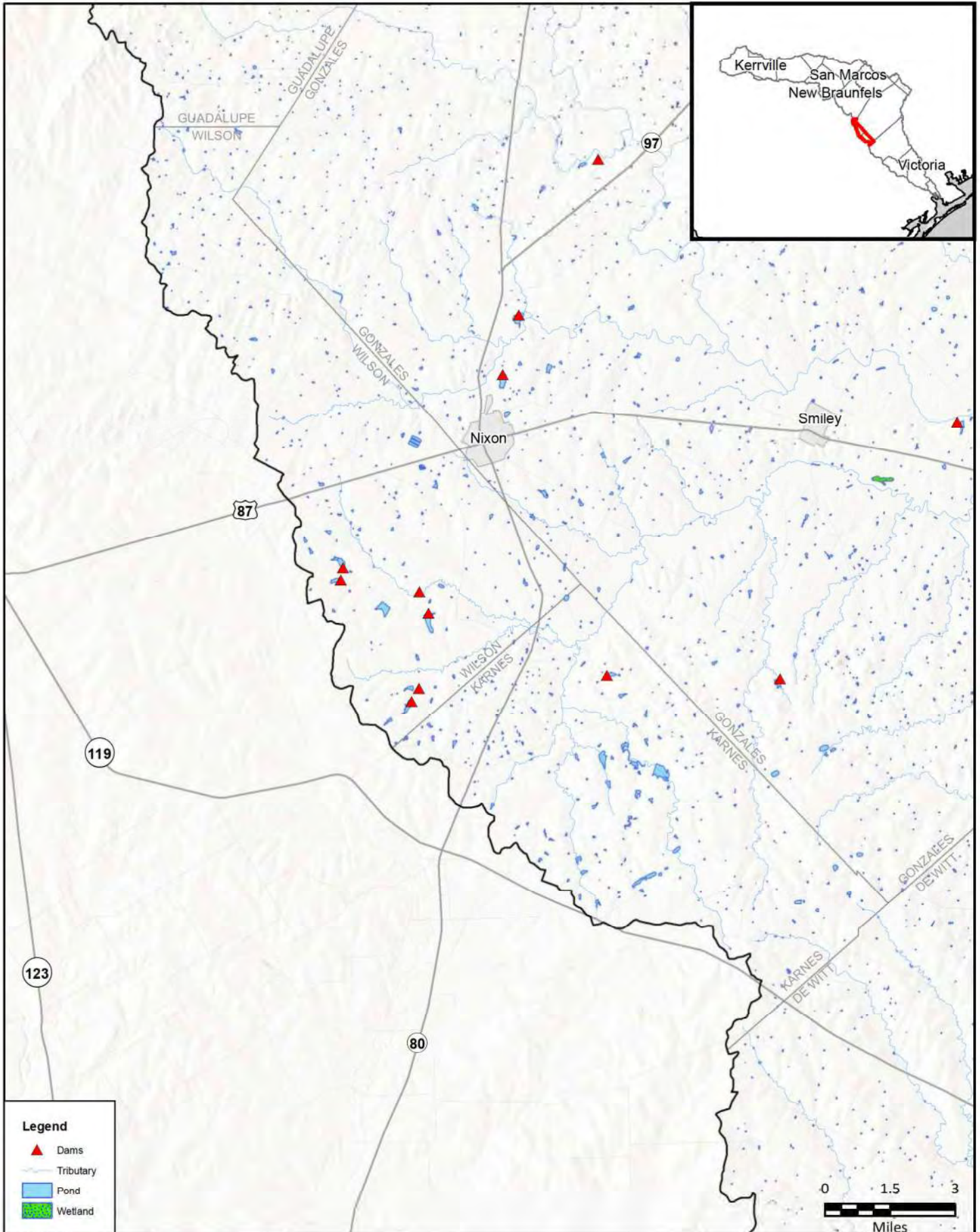
  
  
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Region 11: Guadalupe  
**Map 1 - Existing Flood Infrastructure**  
**Caldwell County**






**FIGURE**  
**7 of 14**





**Legend**

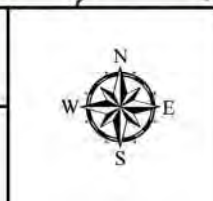
-  Dams
-  Tributary
-  Pond
-  Wetland

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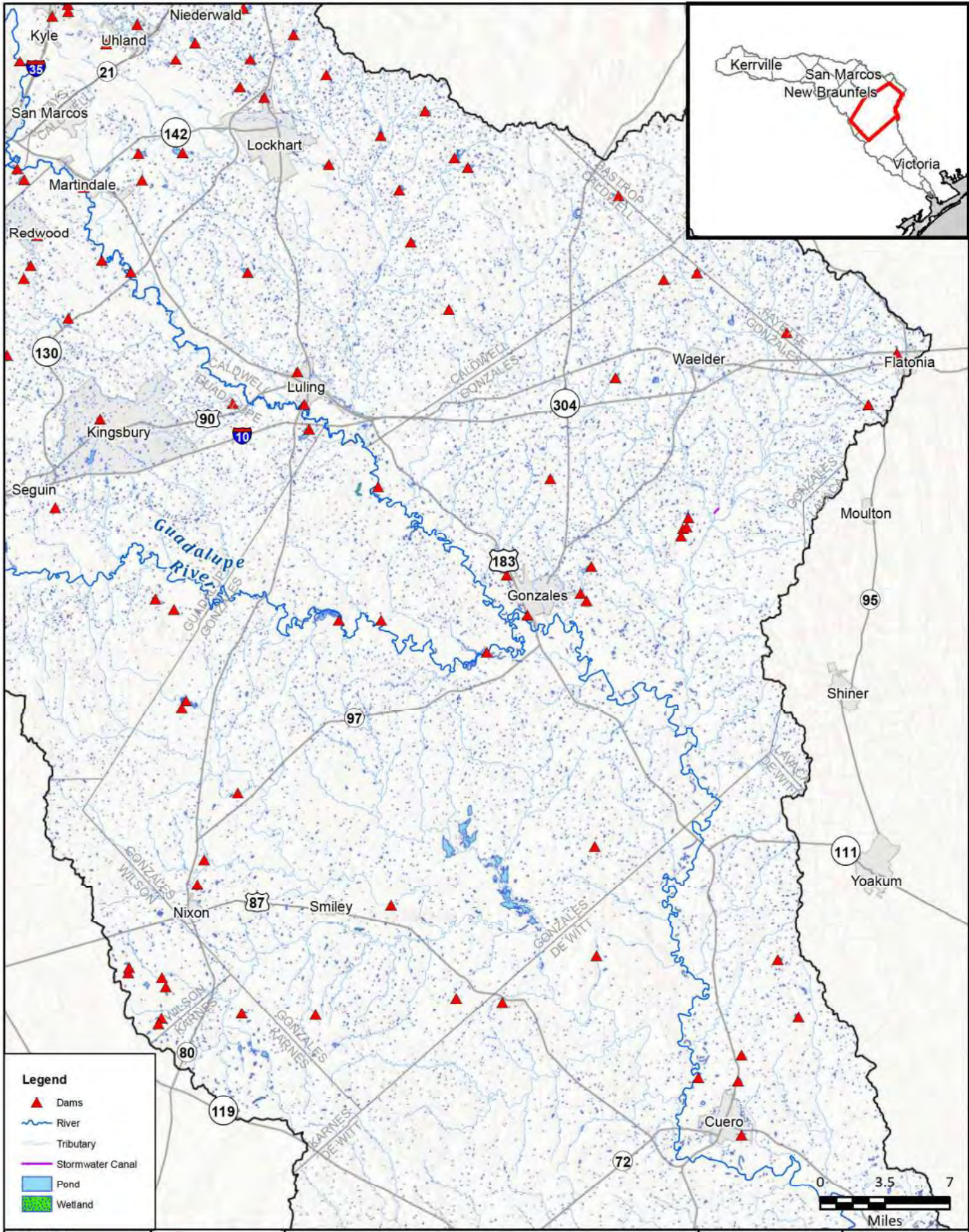
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Region 11: Guadalupe  
**Map 1 - Existing Flood Infrastructure**  
**Wilson & Karnes Counties**



**FIGURE**  
**8 of 14**





**Legend**

- ▲ Dams
- River
- Tributary
- Stormwater Canal
- Pond
- Wetland

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**REGION 11**  
**GUADALUPE**  
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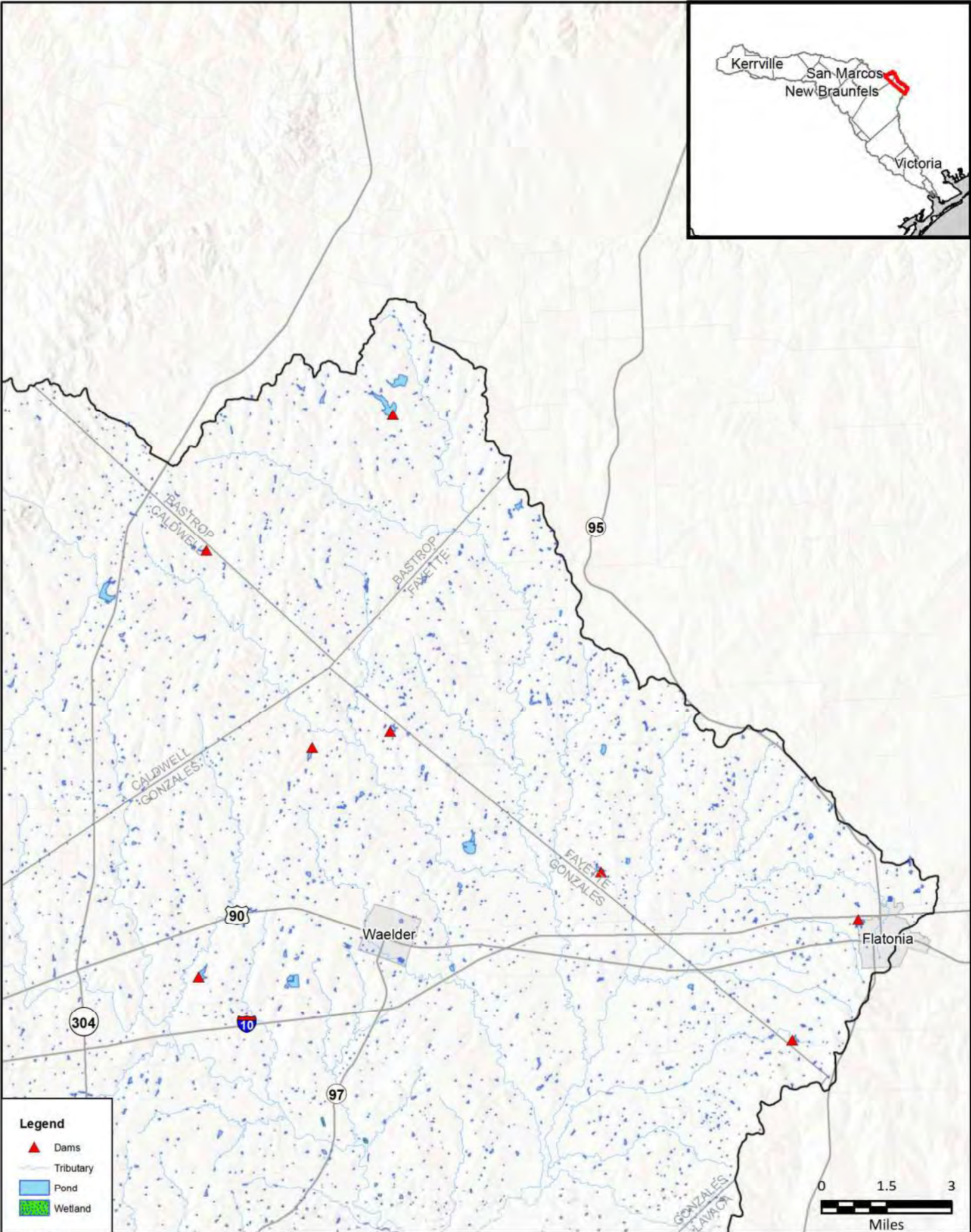
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Region 11: Guadalupe  
 Map 1 - Existing Flood Infrastructure  
**Gonzales County**



FIGURE  
 9 of 14





**Legend**

- ▲ Dams
- Tributary
- Pond
- Wetland

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**REGION 11**  
**GUADALUPE**  
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Region 11: Guadalupe  
 Map 1 - Existing Flood Infrastructure  
**Bastrop & Fayette Counties**

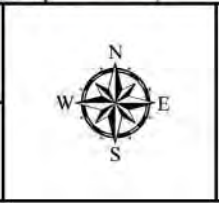
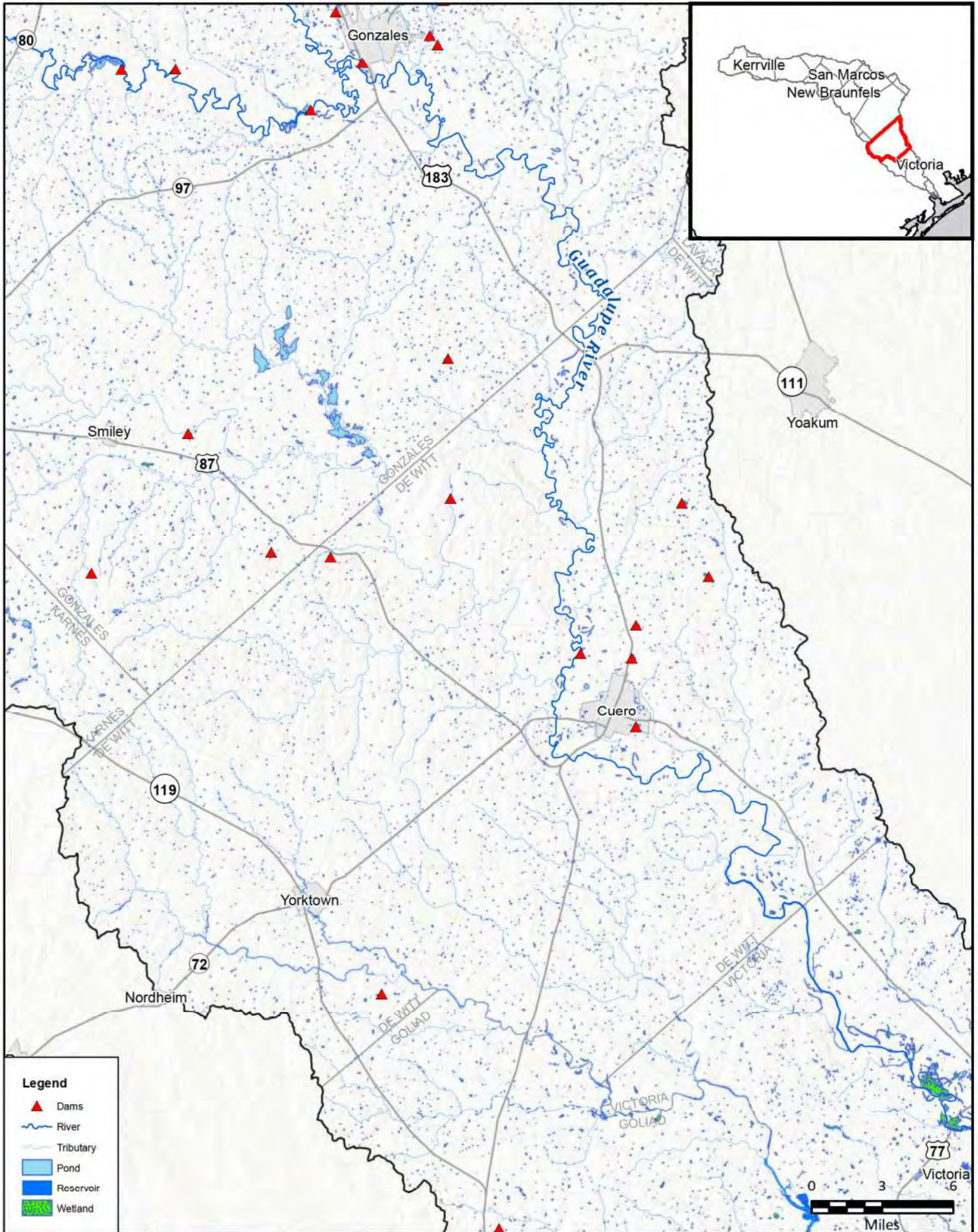


FIGURE  
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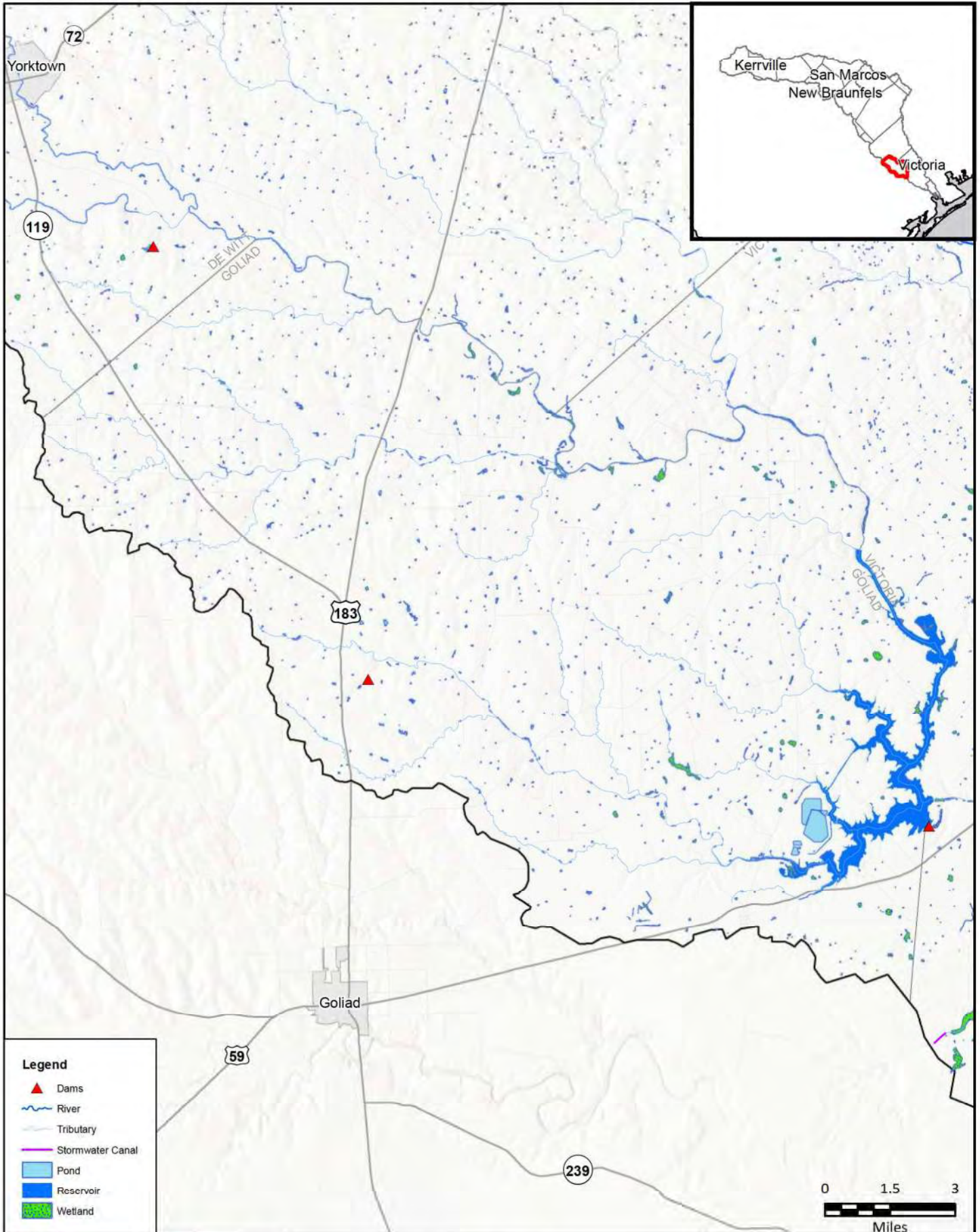

  
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Region 11: Guadalupe  
**Map 1 - Existing Flood Infrastructure**  
**De Witt County**



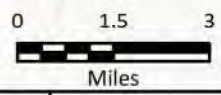
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**11 of 14**





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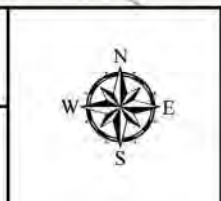
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- Stormwater Canal
- Pond
- Reservoir
- Wetland



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PREPARED BY	02405

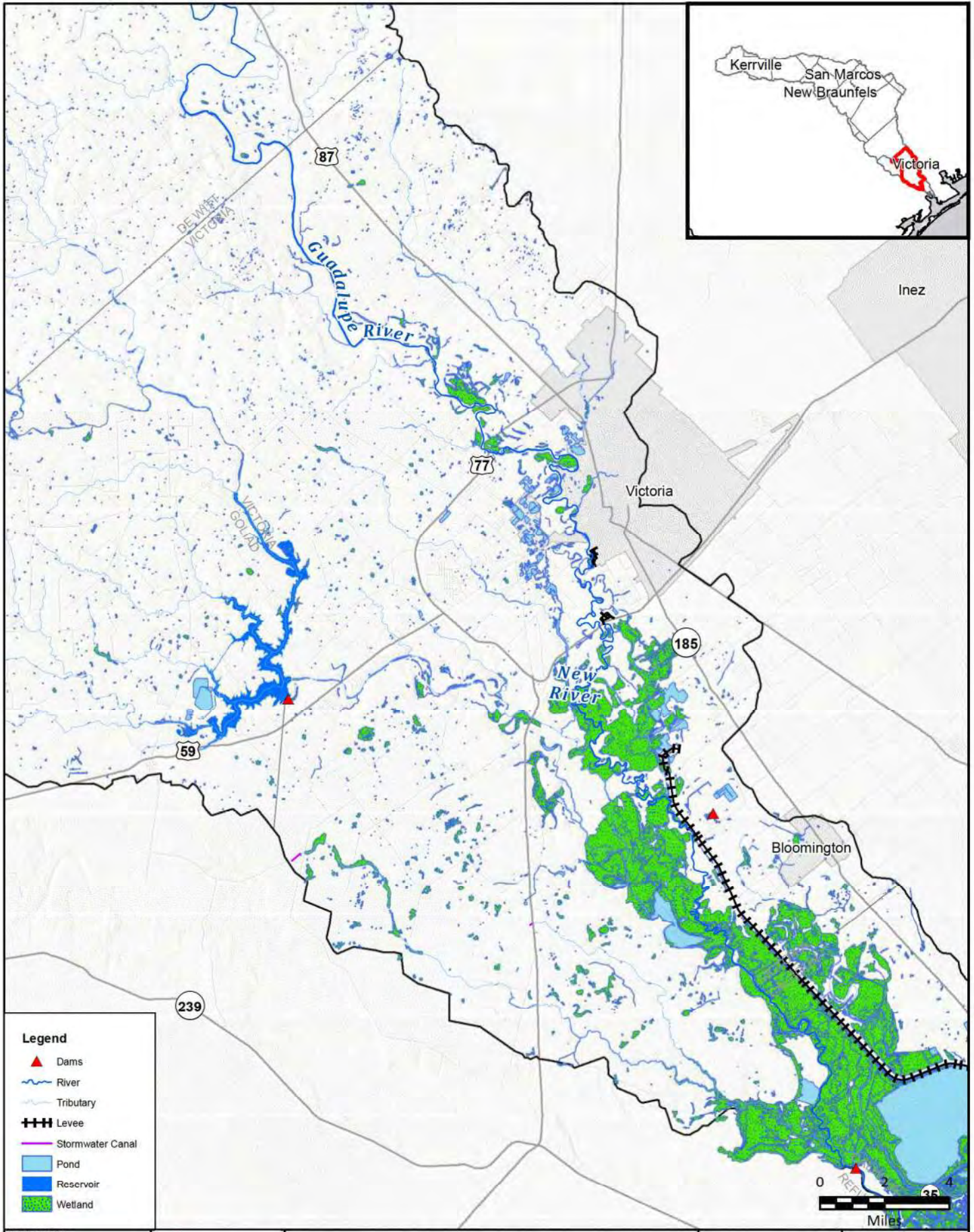
**GUADALUPE**  
**FREESE AND NICHOLS, INC.**  
 10431 MORADO CIRCLE  
 BUILDING 5, SUITE 300  
 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

Region 11: Guadalupe  
**Map 1 - Existing Flood Infrastructure**  
**Goliad County**



**FIGURE**  
**12 of 14**





**Legend**

- ▲ Dams
- River
- Tributary
- Levee
- Stormwater Canal
- Pond
- Reservoir
- Wetland

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	
NAD 1983 2011 Texas Centric Mapping System (Lambert)	
FILE NAME	Name: 1_FloodInfraMapbook
PREPARED BY	02405

**REG 1016**  
**GUADALUPE**  
NATURAL FLOOD DAMAGE CONTROL

**FN**  
**FREESE & NICHOLS**

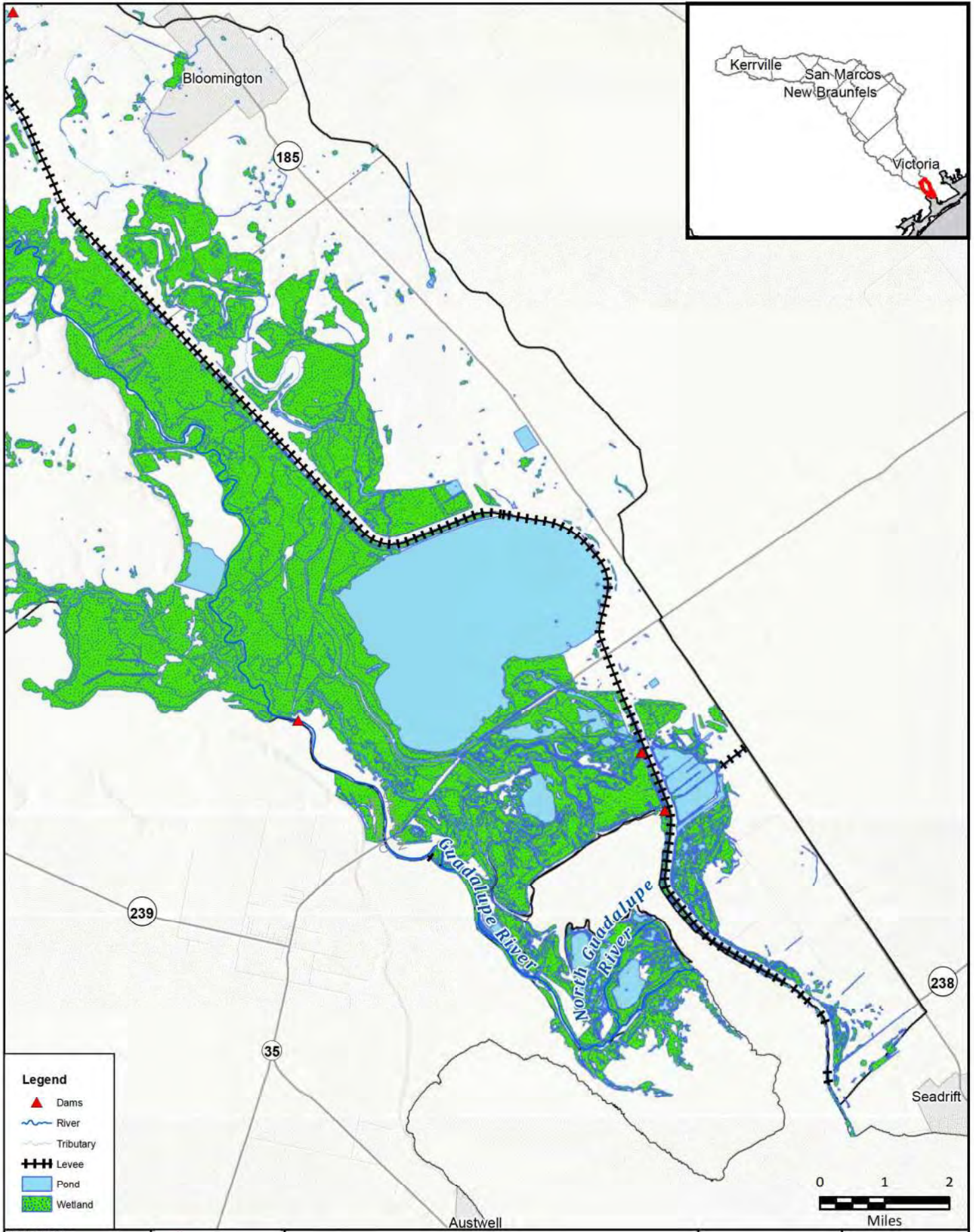
**FREESE AND NICHOLS, INC.**  
 10431 MORADO CIRCLE  
 BUILDING 5, SUITE 300  
 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

Region 11: Guadalupe  
**Map 1 - Existing Flood Infrastructure**  
**Victoria County**



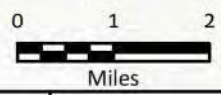
**FIGURE**  
**13 of 14**





**Legend**

- Dams
- River
- Tributary
- Levee
- Pond
- Wetland



FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	
MAD 1983 2011 Texas Center Mapping System (Lambert)	
FILE NAME	Name: 1_FloodInfraMapbook
PREPARED BY	02405

REGION **GUADALUPE**  
REGULATORY CONSULTING GROUP

**FREESSE AND NICHOLS, INC.**  
 10431 MORADO CIRCLE  
 BUILDING 5, SUITE 300  
 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

Region 11: Guadalupe  
**Map 1 - Existing Flood Infrastructure**

**Calhoun County**



**FIGURE**  
**14 of 14**

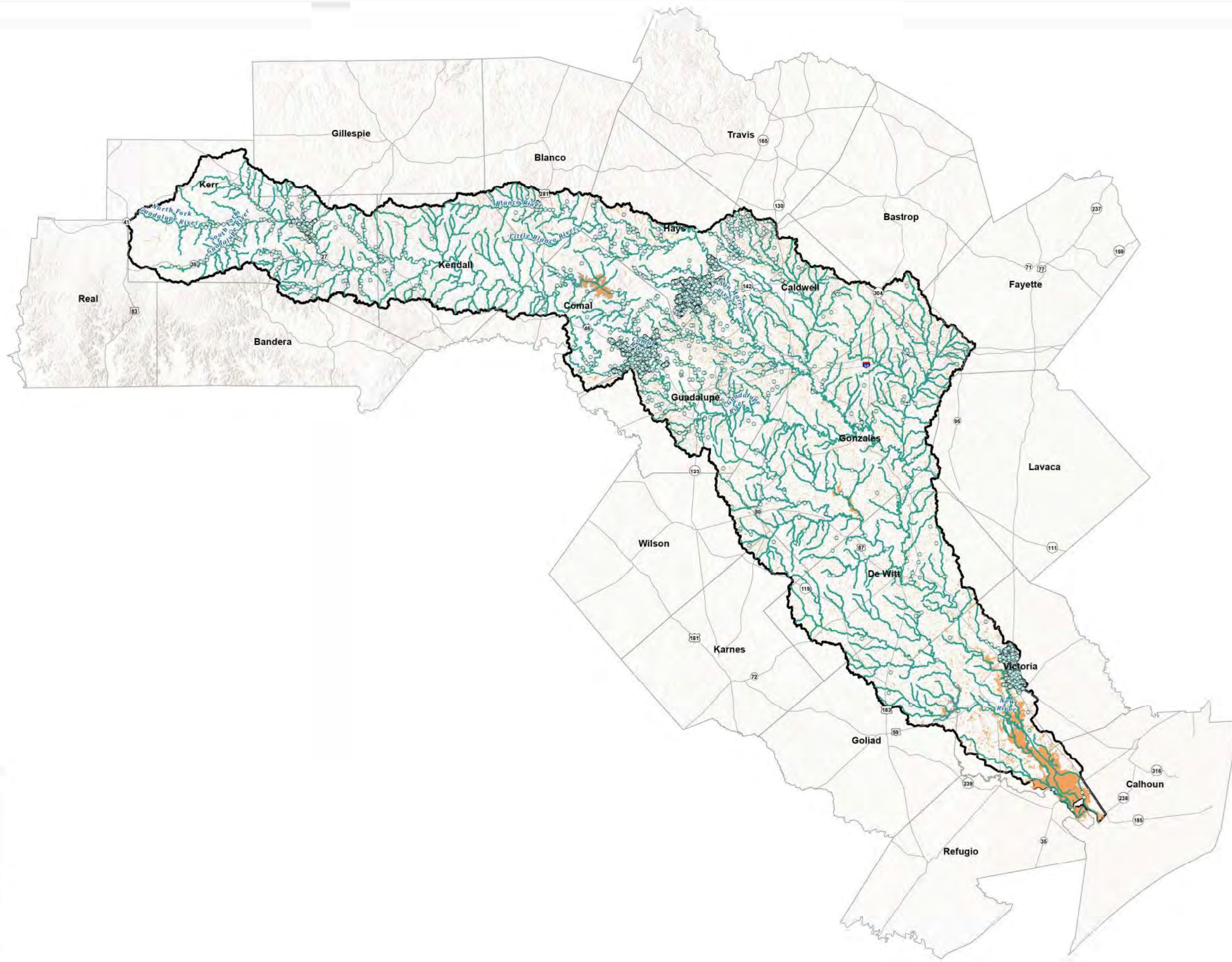
**Table 1: Existing Flood Infrastructure Summary**  
Table



Existing Infrastructure ID	RFPG No.	RFPG Name	Counties	HUC8s	HUC12s	Watersheds	Feature Name	Infrastructure Type	Description	Natural or Constructed or Combination	Construction Date	Infrastructure Dimensions					Level of Service (2-year, 10-year, 25-year, 50-year, 100-year, 500-year, Unknown)	Condition (Functional, Non-functional, Unknown)	Condition Description	Deficiency (Deficient, Non-deficient, Unknown)	Deficiency Description	Population Protected by Infrastructure	Owning Entity	Operating Entity	Associated FMEs	Associated FMSs	Associated FMPs
												Diameter (ft)	Height (ft)	Width (ft)	Length (ft)	Area (acre)											
11004809	11	Guadalupe	Victoria	12100204	121002040401, 121002040108	11000147, 11000130	WATER TREATMENT PLANT RING LEVEE	Levee	0.8-mile ring levee	Constructed	Unknown				4,356		Unknown	Unknown	Unknown	Unknown	Unknown	00002428	00002428				
11004811	11	Guadalupe	Refugio	12100303	121003030608	11000151	Guadalupe River Levee 3	Levee	0.08-mile levee section	Constructed	Unknown				415		Unknown	Unknown	Unknown	Unknown	Unknown	0000084, 00000260, 00000291, 00000714, 00000758, 00001608	0000084, 00000260, 00000291, 00000714, 00000758, 00001608				
11004815	11	Guadalupe	Calhoun	12100403	121004030100	11000152	Oil and Agricultural Levee 1	Levee	0.5-mile levee section	Constructed	Unknown				2642		Unknown	Unknown	Unknown	Unknown	Unknown	0000088, 00000264, 00000291, 00000538	0000088, 00000264, 00000291, 00000538				
Polygons																											
Existing Flood Infrastructure Summary Table																											

**Map 3: Non-Functional or Deficient Flood  
Mitigation Features or Infrastructure**





**Legend**

-  River
-  Tributary
-  Major Reservoirs
- Non-Functional or Deficient Flood Mitigation Features or Infrastructure**
-  Infrastructure Point - Unknown
-  Infrastructure Line - Unknown
-  Infrastructure Polygon - Unknown

**Non-Functional or Deficient Flood Mitigation Features or Infrastructure**

Region 11: Guadalupe

0 4.5 9 Miles

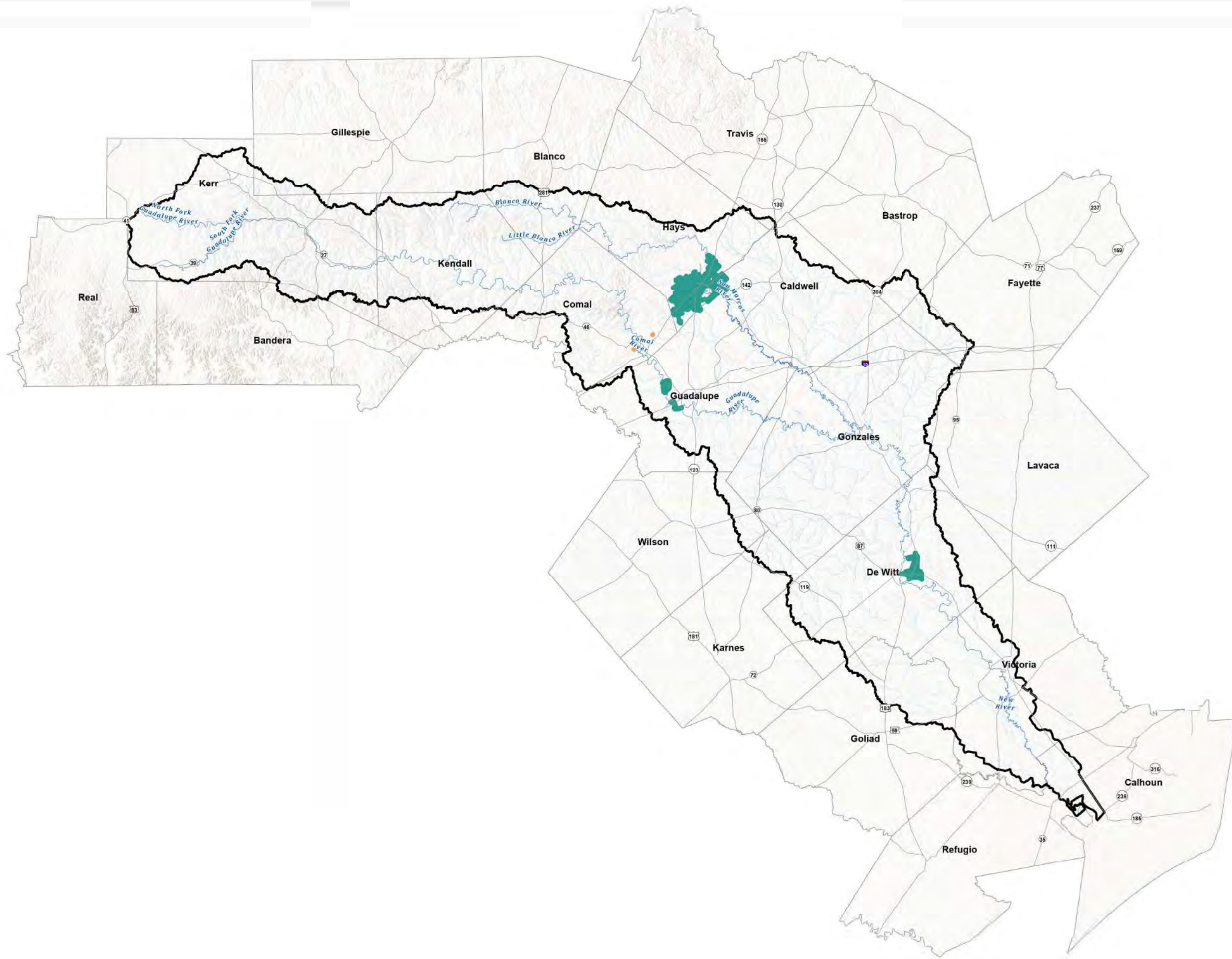
PROJECT	CREATED
DATE	3/16/2021
SCALE	1:250,000
DRAWN	GLD

Map **3**

**Appendix 1-B |**



## **Map 2: Proposed or Ongoing Flood Mitigation Projects**



**Legend**

- River
- Tributary

**Status of Existing Projects**

- Ongoing
- Proposed

**Proposed or Ongoing Flood Mitigation Projects**  
 Region 11: Guadalupe

0 4.5 9 Miles  
 PROJECT: GRAB110  
 DATE: 3/10/2023  
 SCALE: 1:25,000  
 DRAFTER: GARD

**Map 2**

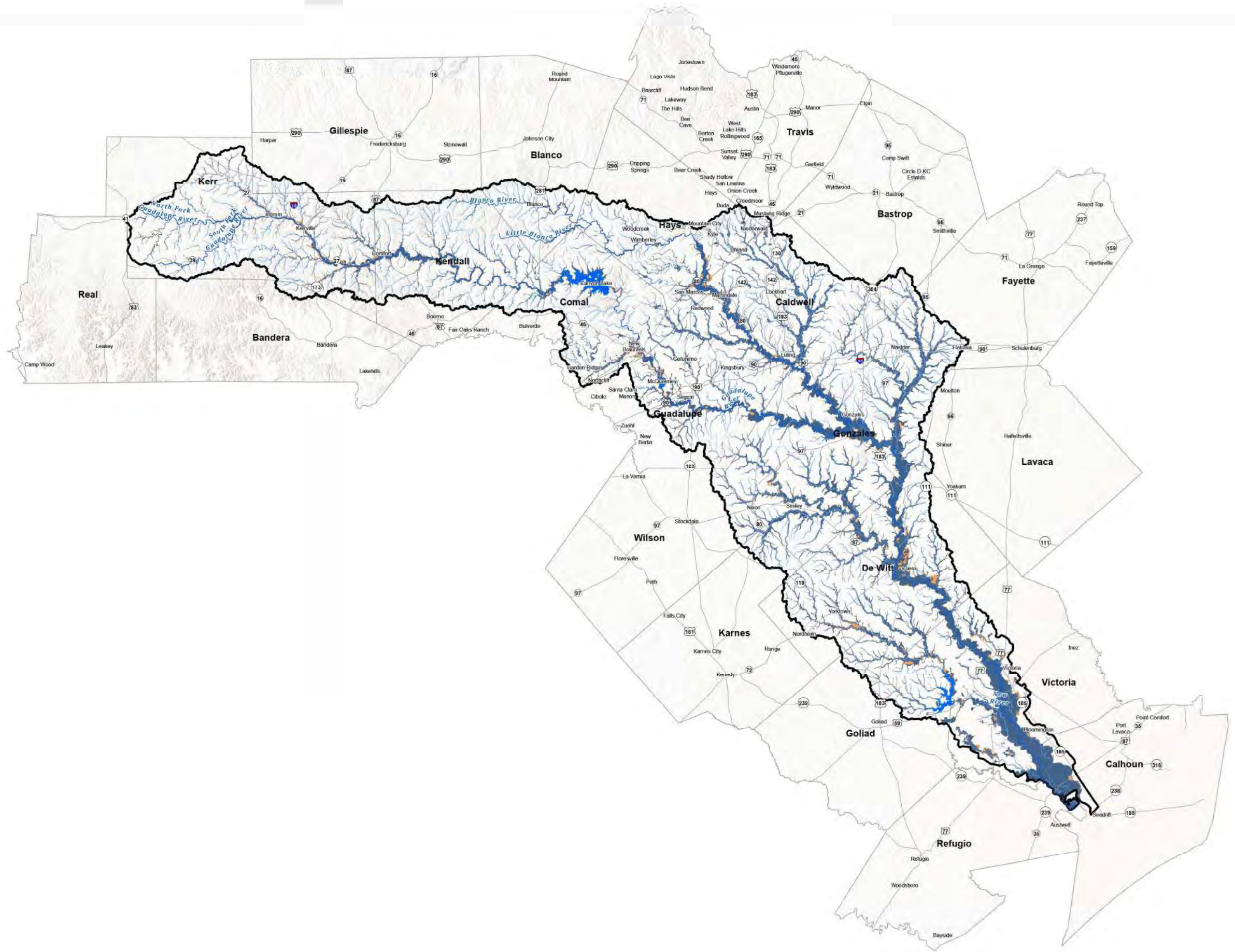
**Table 2:** Summary of Proposed or Ongoing  
Flood Mitigation Projects

Existing Project ID	RFPG No.	RFPG Name	Project Name	Description	Counties	HUCs	HUC12s	Watersheds	Project Status	Project Cost	Dedicated Funding for Construction (Yes/No)	Source of Funding	Expected Year of Completion	Anticipated Benefit
11000030	11	Guadalupe	City of New Braunfels Goodwin Lane Improvements	Elevate Goodwin lane at Alligator Creek to prevent roadway inundation during rain events	Comal	12100202	-	-	Proposed	\$2,200,000	Yes	Unknown	2027	Reduced flood risk and increased safety at low water crossing
11000031	11	Guadalupe	City of New Braunfels - Landa Park Aquatics Complex - Green Stormwater Infrastructure Retrofit	Construction of green stormwater retrofits within an existing 1.5-acre parking lot. The intent of the project is to treat and reduce the volume of stormwater runoff from the impervious parking surface.	Comal	12100202	-	-	Proposed	\$675,086	Yes	Unknown	2023	Reduced flood risk
11000033	11	Guadalupe	Green DeWitt Drainage District Flood Warning System & Stream Gage Network	The plan will establish a flood early warning system that utilizes 12 stream gages to provide streamflow data and flood stage information	DeWitt	12100204, 12100202	-	-	Ongoing	\$245,097	Yes	TWDB grant	Unknown	Increased preparedness for flood events
11000034	11	Guadalupe	Guadalupe-Blanco River Authority Lake Placid Spillgate Replacement and Dam Armoring	GBRA proposed to replace the two antiquated bear-trap style spillgates on the Lake Placid dam with new hydraulically-actuated steel crest gates. Replacement of the gates will include structural modifications to the existing spillway structure	Guadalupe	12100202	-	-	Ongoing	\$42,368,689	Yes	Unknown	2024	Decreased risk of structure failure
11000032	11	Guadalupe	Guadalupe-Blanco River Authority Lake McQueeney Spillgate Replacement and Dam Armoring	GBRA proposes to replace existing obermeyer and bear-trap style crest gates with new hydraulically actuated steel crest gates at Lake McQueeney Dam. Replacement of the gates will include structural modifications to the existing spillway structure	Guadalupe	12100202	-	-	Ongoing	\$42,368,689	Yes	Unknown	2024	Decreased risk of structure failure
11000035	11	Guadalupe	City of San Marcos Sessom Creek Improvements	City of San Marcos Sessom Creek Improvements	Hays	12100203	-	-	Ongoing	\$300,000	Yes	CIP Budget	2022	Reduced flood risk

**Appendix 2-A |**



## **Map 4: Existing Condition Flood Hazard**



**Legend**

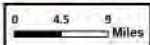
- Major Reservoirs
- River
- Tributary
- Flood Planning Region
- Unknown Flood Hazard

**1.0 Flood Hazard**

- Coastal
- Riverine

**0.2 Flood Hazard**

- Riverine



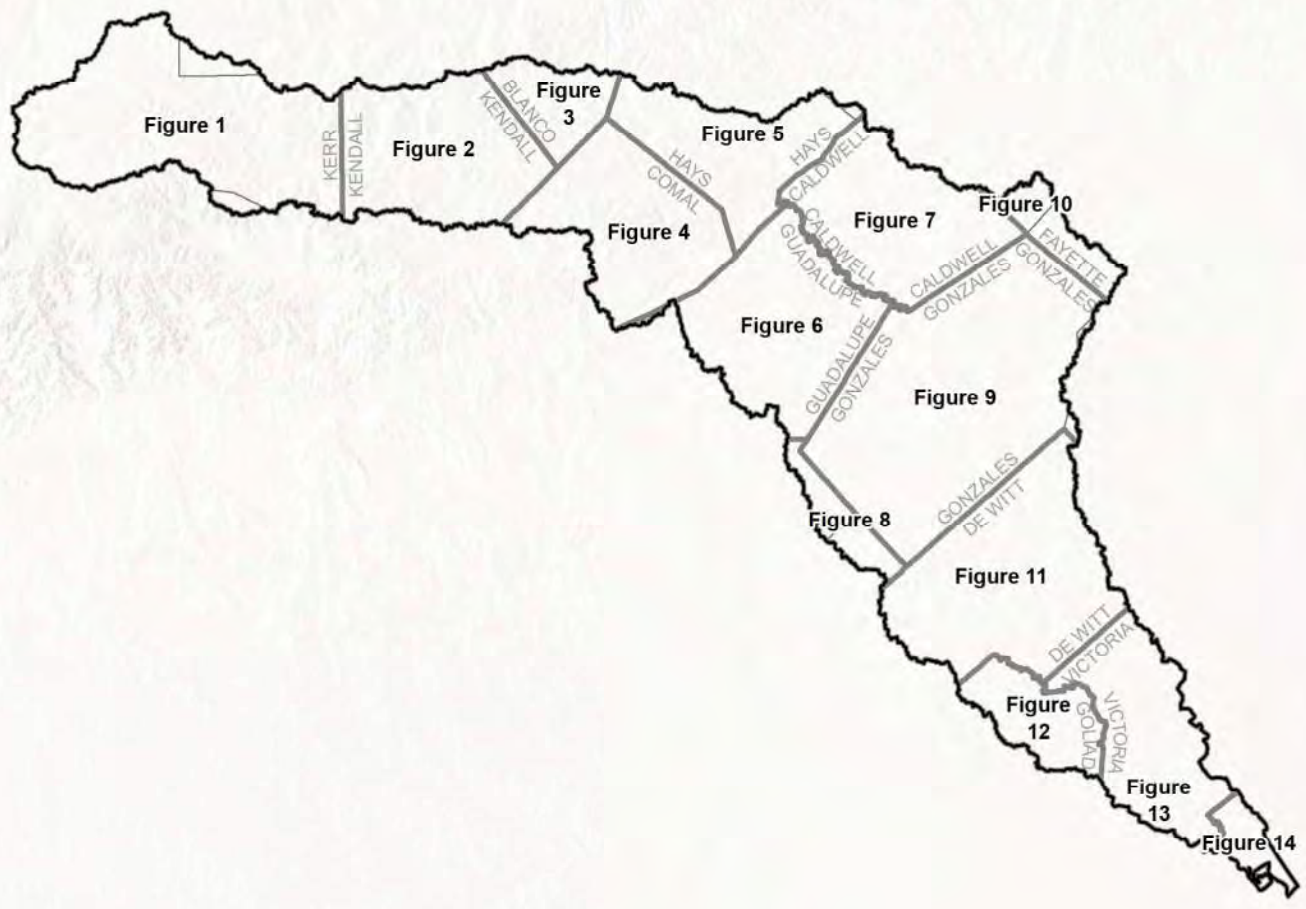



**Map 4 Region - Existing Flood Hazard Areas**

Region 11: Guadalupe

PROJECT	CREATED	<b>Map 4</b>
DRAWN	DATE	
SCALE	DATE	
CREATED	DATE	





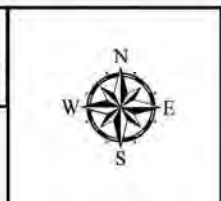
FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/19/2022
DATUM & COORDINATE SYSTEM	
NAD 1983 2011 Texas Centric Mapping System Lantion	
FILE NAME	Name: 4_ExtFidHazard_Index
PREPARED BY	02405

**REGION 11**  
**GUADALUPE**  
REGISTRATION DISTRICT

**FREESE AND NICHOLS, INC.**  
 10431 MORADO CIRCLE  
 BUILDING 5, SUITE 300  
 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

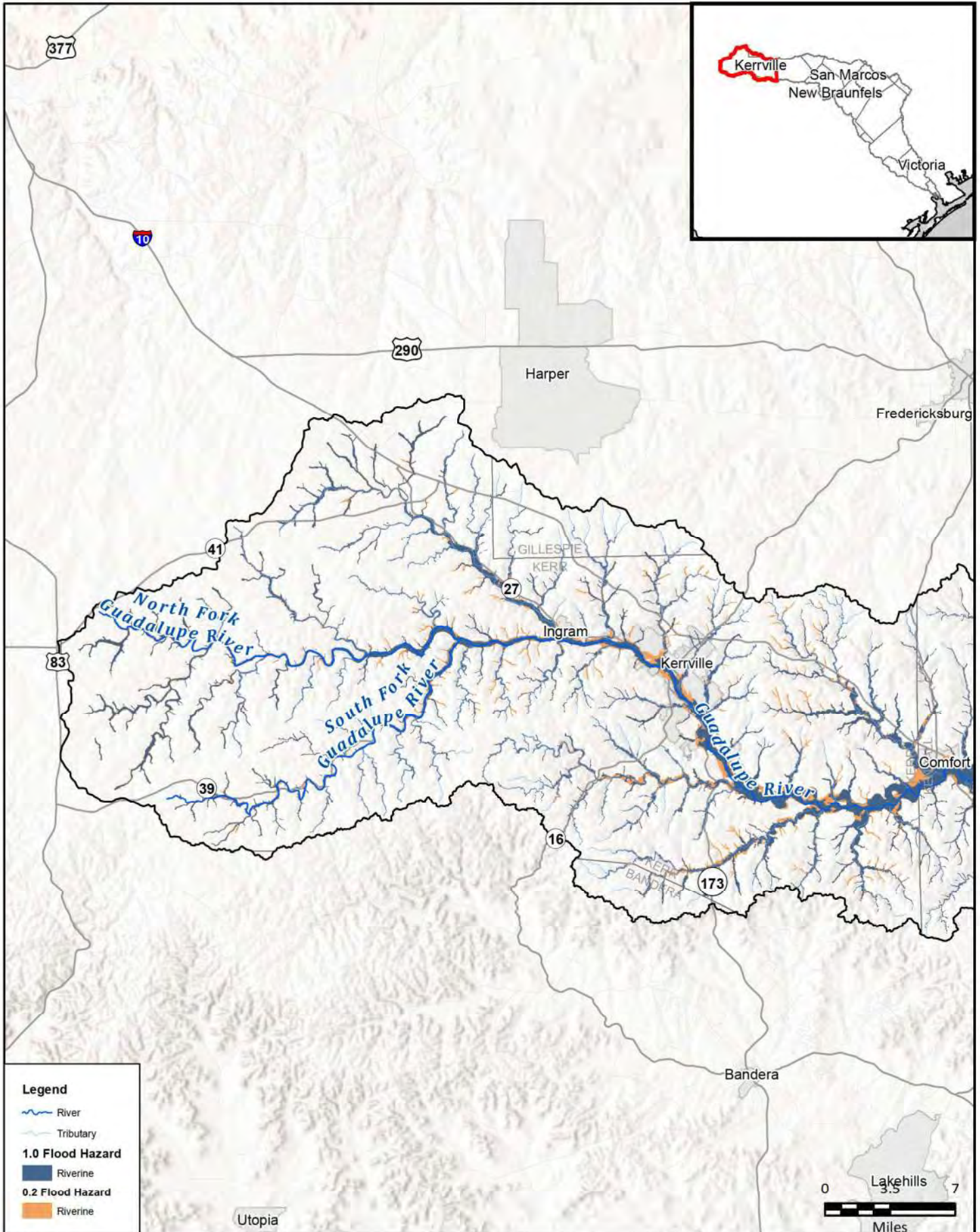
Region 11: Guadalupe  
**Map 4 Index - Existing Flood Hazard Areas**

**Index Map**



**FIGURE**  
**Index**





**Legend**

- River
- Tributary
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine



PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	
NAD 1983 2011 Texas Centroid Mapping System Lantorn	
FILE NAME	Name: 4_ExpHazardMapbook
PREPARED BY	02405

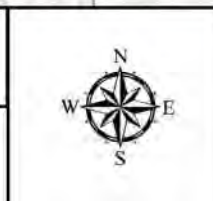
REGION 11  
**GUADALUPE**  
NATURAL CONSERVATION DISTRICT

**FREES & NICHOLS**

**FREES AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

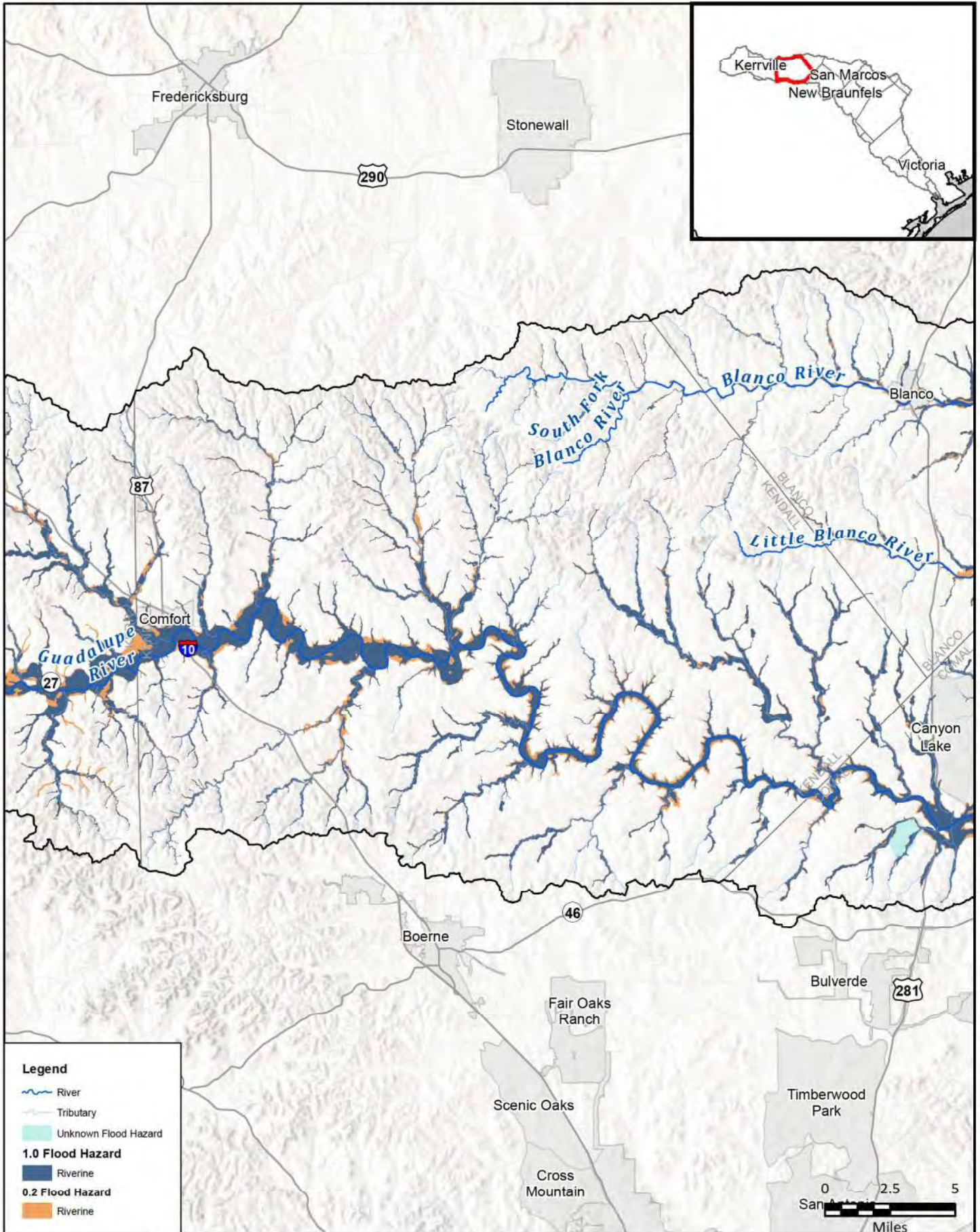
Region 11: Guadalupe  
Map 4 - Existing Flood Hazard Areas

**Kerr County**



**FIGURE**  
**1 of 14**





**Legend**

- River
- Tributary
- Unknown Flood Hazard
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	
FILE NAME	Name: 4_ExpHazardMapbook
PREPARED BY	02405

REGION 11  
**GUADALUPE**  
 REGIONAL DEVELOPMENT CENTER

**FREESSE AND NICHOLS**  
 FREESSE AND NICHOLS, INC.  
 10431 MORADO CIRCLE  
 BUILDING 5, SUITE 300  
 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

Region 11: Guadalupe  
 Map 4 - Existing Flood Hazard Areas

**Kendall County**

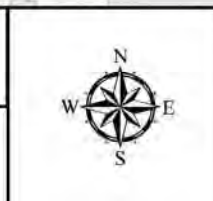
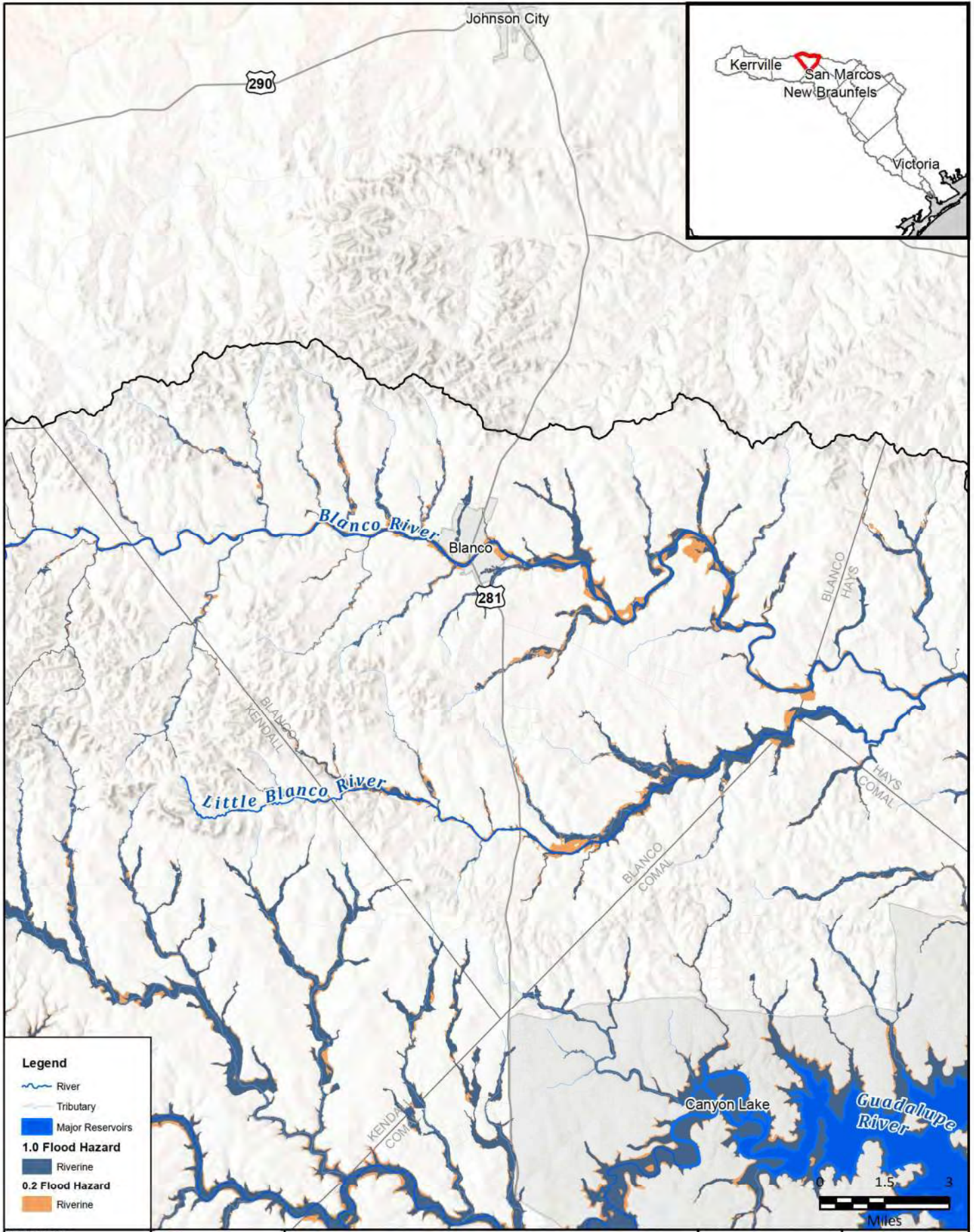


FIGURE  
 2 of 14





**Legend**

- River
- Tributary
- Major Reservoirs
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	
NAD 1983 2011 Texas Centroid Mapping System Lantorn	
FILE NAME	Name: 4_ExpHazardMapbook
PREPARED BY	02405

REGION 11  
**GUADALUPE**  
NATURAL FLOOD HAZARD OUTLET

**FREESE & NICHOLS**

FREESE AND NICHOLS, INC.  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

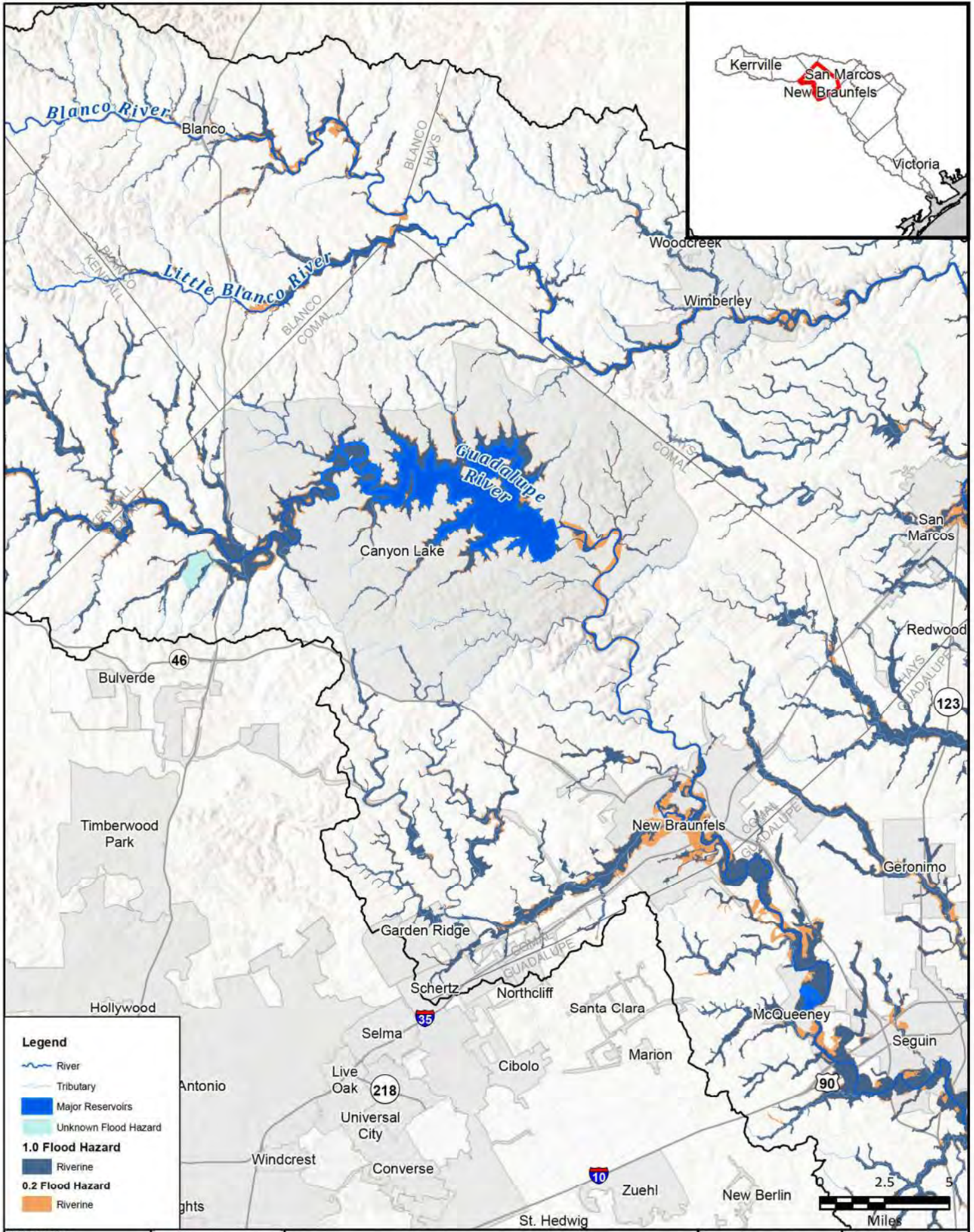
Region 11: Guadalupe  
**Map 4 - Existing Flood Hazard Areas**

**Blanco County**



**FIGURE**  
**3 of 14**





**Legend**

- River
- Tributary
- Major Reservoirs
- Unknown Flood Hazard
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine

PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	
NAD 1983 2011 Texas Centroid Mapping System Extension	
FILE NAME	Name: 4_ExpHazardMapbook
PREPARED BY	02405

**REGION 11**  
**GUADALUPE**  
 REGIONAL WATER CONTROL DISTRICT

**FREES & NICHOLS**  
 FREES AND NICHOLS, INC.  
 10431 MORADO CIRCLE  
 BUILDING 5, SUITE 300  
 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

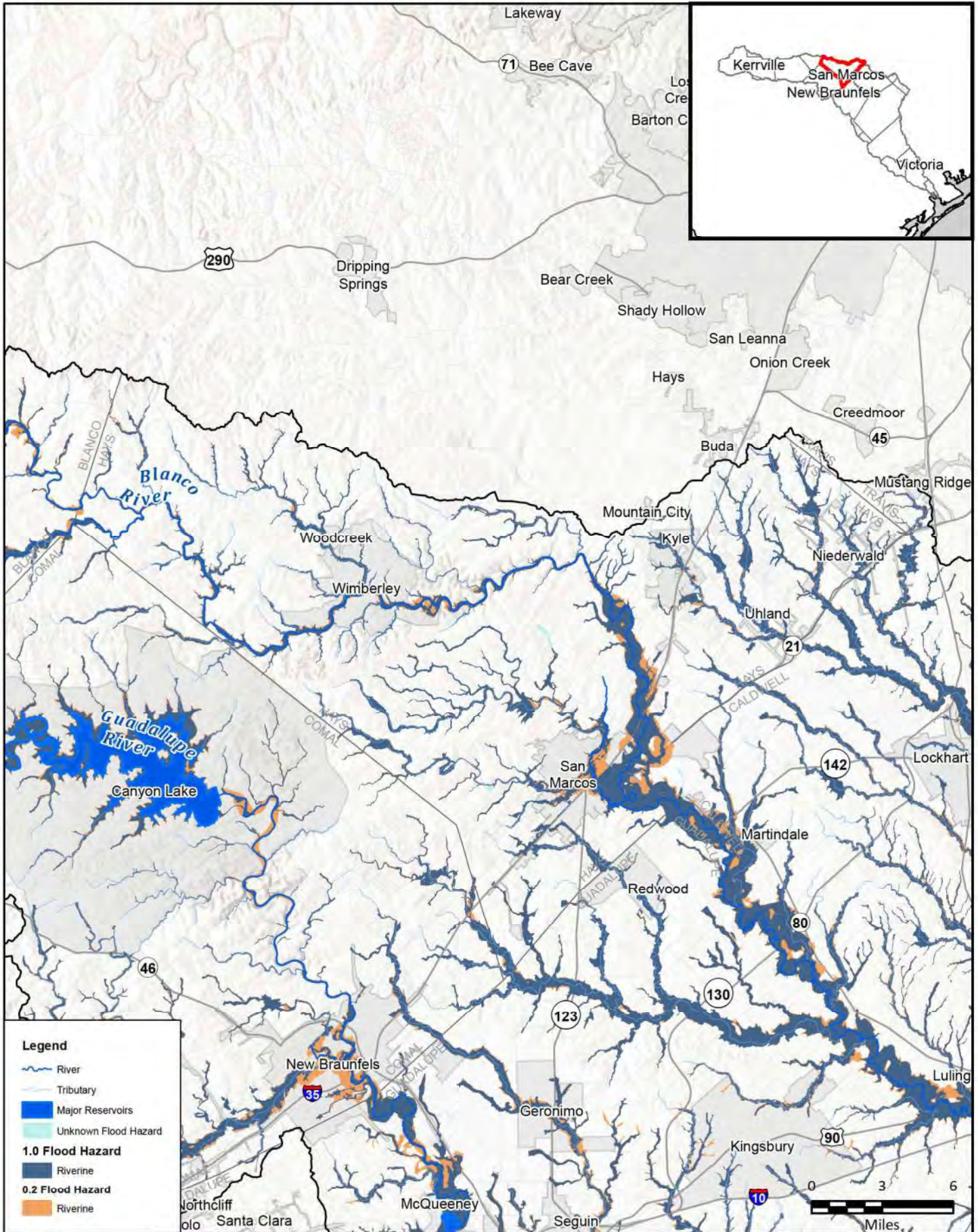
Region 11: Guadalupe  
 Map 4 - Existing Flood Hazard Areas

**Comal County**



FIGURE  
 4 of 14





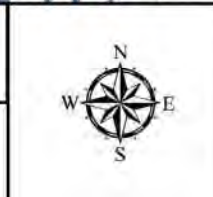
**Legend**

- River
- Tributary
- Major Reservoirs
- Unknown Flood Hazard
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine

PROJECT NO.	08A21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	
FILE NAME	Name: 4_ExtHazardMapbook
PREPARED BY	02405

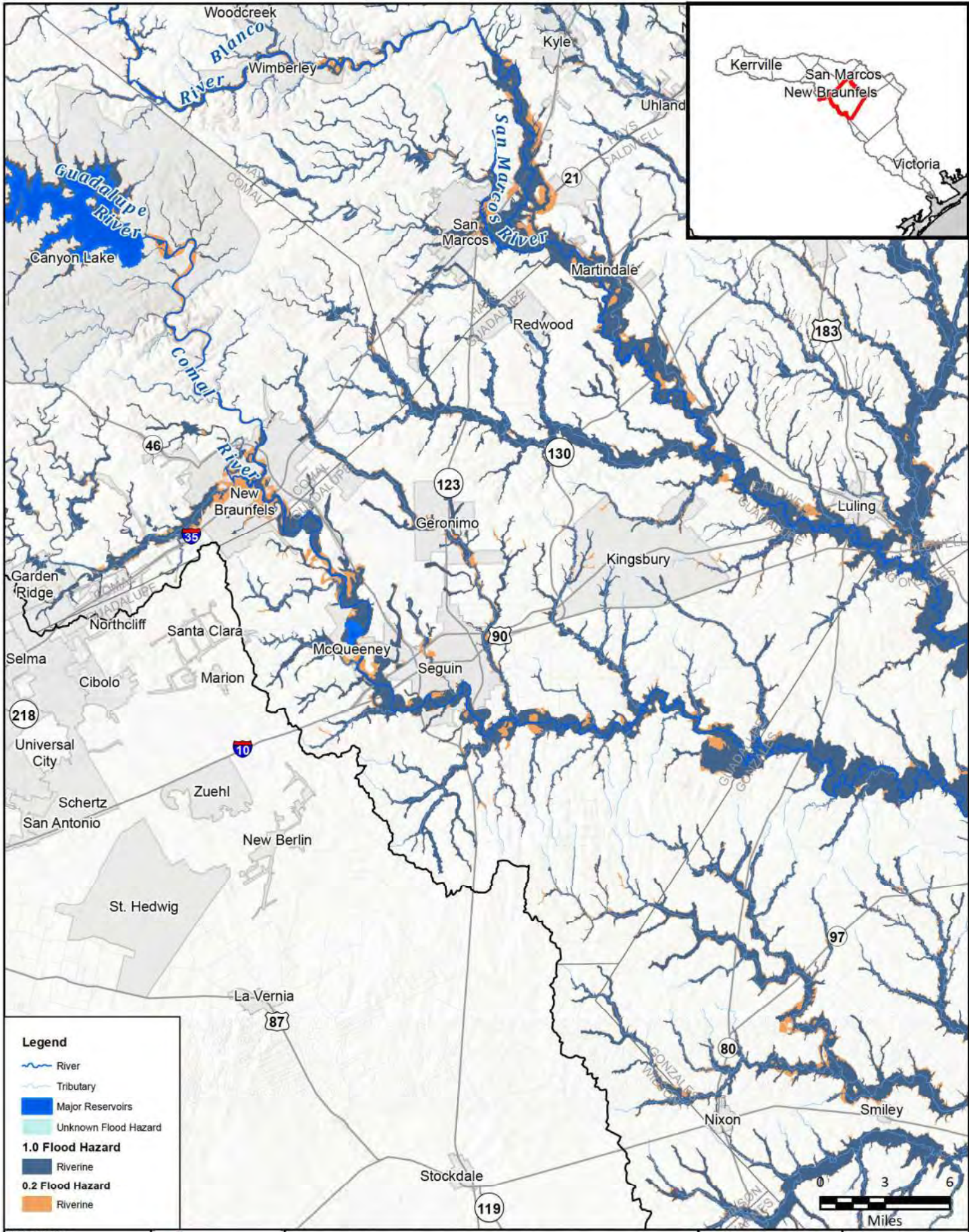
**GUADALUPE**  
**FREES AND NICHOLS, INC.**  
 10431 MORADO CIRCLE  
 BUILDING 5, SUITE 300  
 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

Region 11: Guadalupe  
 Map 4 - Existing Flood Hazard Areas  
**Hays County**



**FIGURE**  
 5 of 14





FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	
MAD 1983 2011 Texas Center Mapping System Legend	
FILE NAME	Name: 4_ExpHazardMapbook
PREPARED BY	02405


**GUADALUPE**  
 REGIONAL COUNCIL OF GOVERNMENTS  

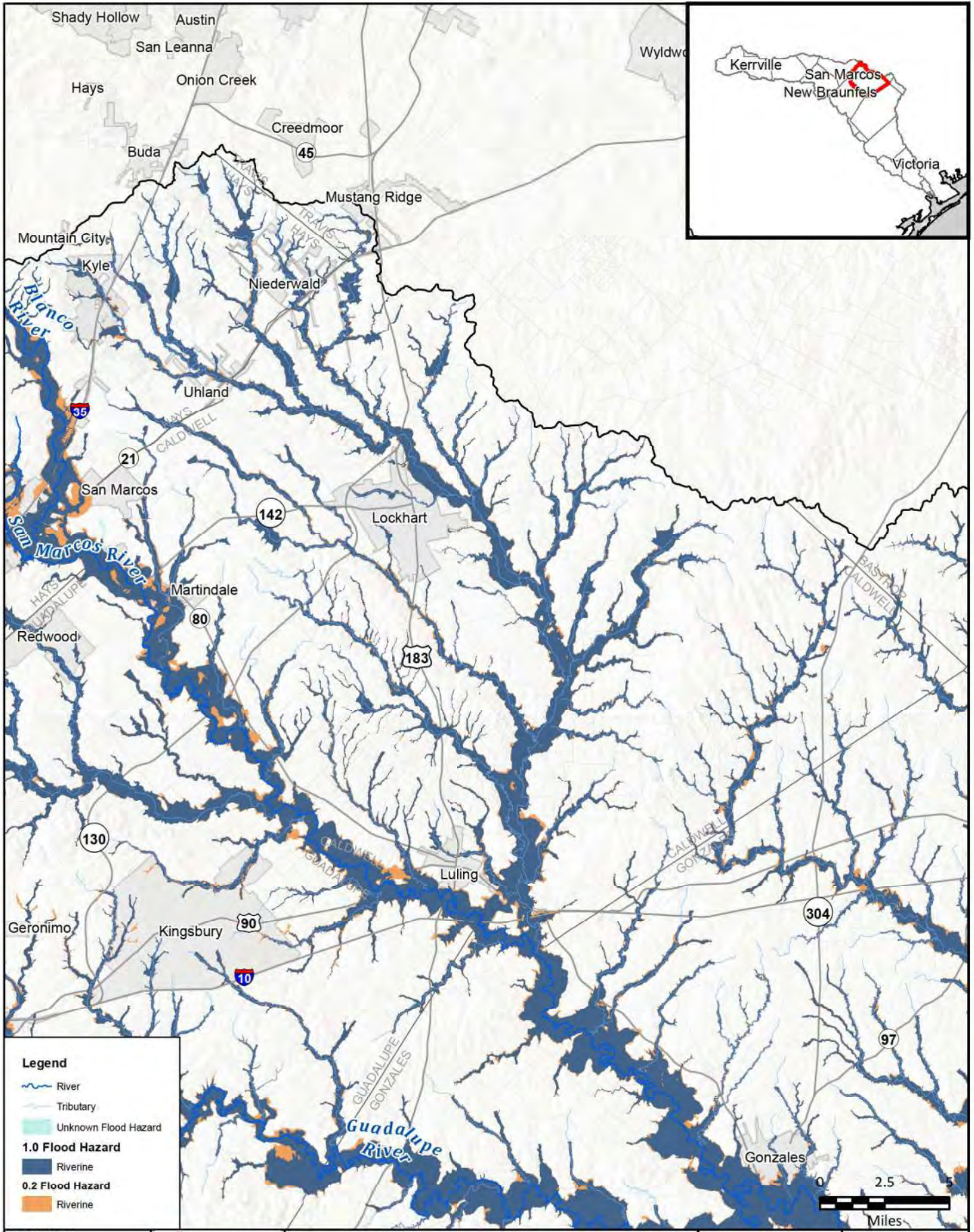
**FREESE AND NICHOLS, INC.**  
 10431 MORADO CIRCLE  
 BUILDING 5, SUITE 300  
 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

Region 11: Guadalupe  
**Map 4 - Existing Flood Hazard Areas**  
**Guadalupe County**




**FIGURE**  
**6 of 14**





PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System (Lambert)
FILE NAME	Name: 4_ExtHazHazardMapbook
PREPARED BY	02405


**GUADALUPE**  
 REGIONAL COUNCIL OF CALDWELL COUNTY

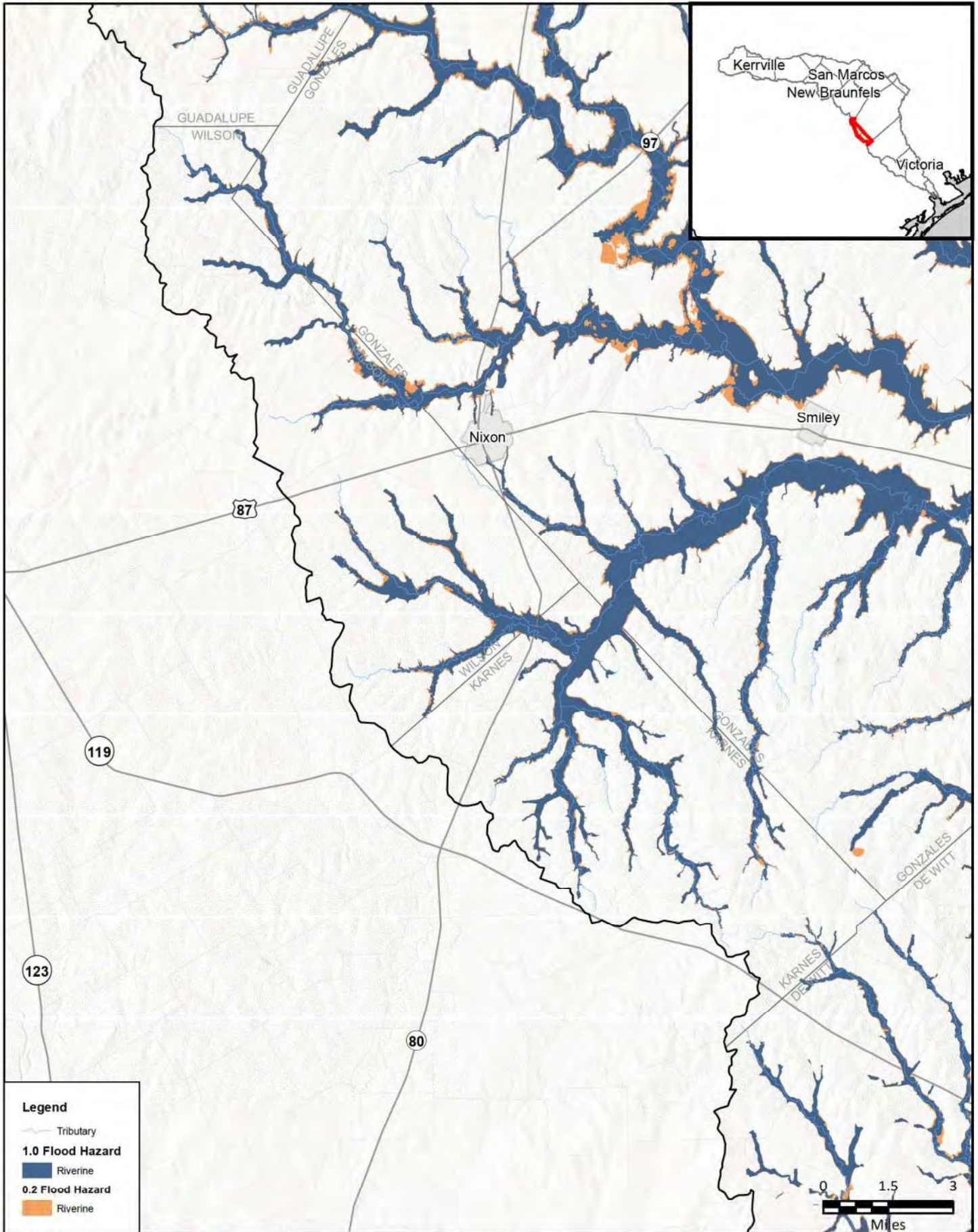

**FREESE AND NICHOLS, INC.**  
 10431 MORADO CIRCLE  
 BUILDING 5, SUITE 300  
 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

Region 11: Guadalupe  
**Map 4 - Existing Flood Hazard Areas**  
**Caldwell County**



**FIGURE**  
**7 of 14**





**Legend**

- Tributary
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine

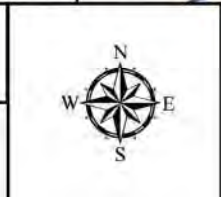
FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	
NAD 1983 2011 Texas Centric Mapping System (Lambert)	
FILE NAME	Name: 4_ExtHazardMapbook
PREPARED BY	02405

REGION 11  
**GUADALUPE**  
NATURAL CONSERVATION DISTRICT

**FREES & NICHOLS**

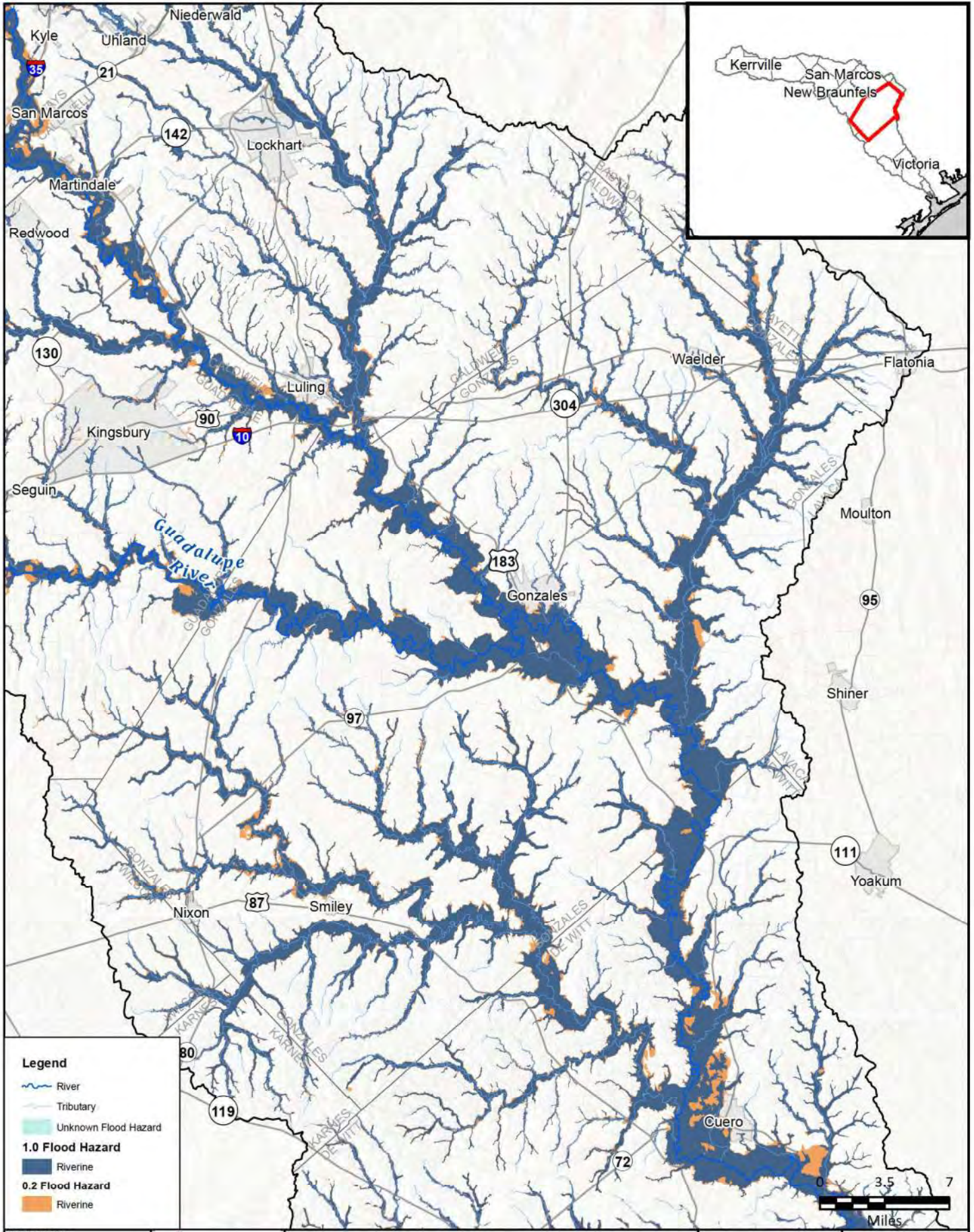
**FREES AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 4 - Existing Flood Hazard Areas  
**Wilson & Karnes Counties**



**FIGURE**  
**8 of 14**





**Legend**

- River
- Tributary
- Unknown Flood Hazard
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine

PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	
NAD 1983 2011 Texas Centroid Mapping System (Lambert)	
FILE NAME	Name: 4_ExpHazardMapbook
PREPARED BY	02405

REGION 11  
**GUADALUPE**  
NATURAL DISTRICT

**FRESE AND NICHOLS**  
FRESE AND NICHOLS, INC.  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

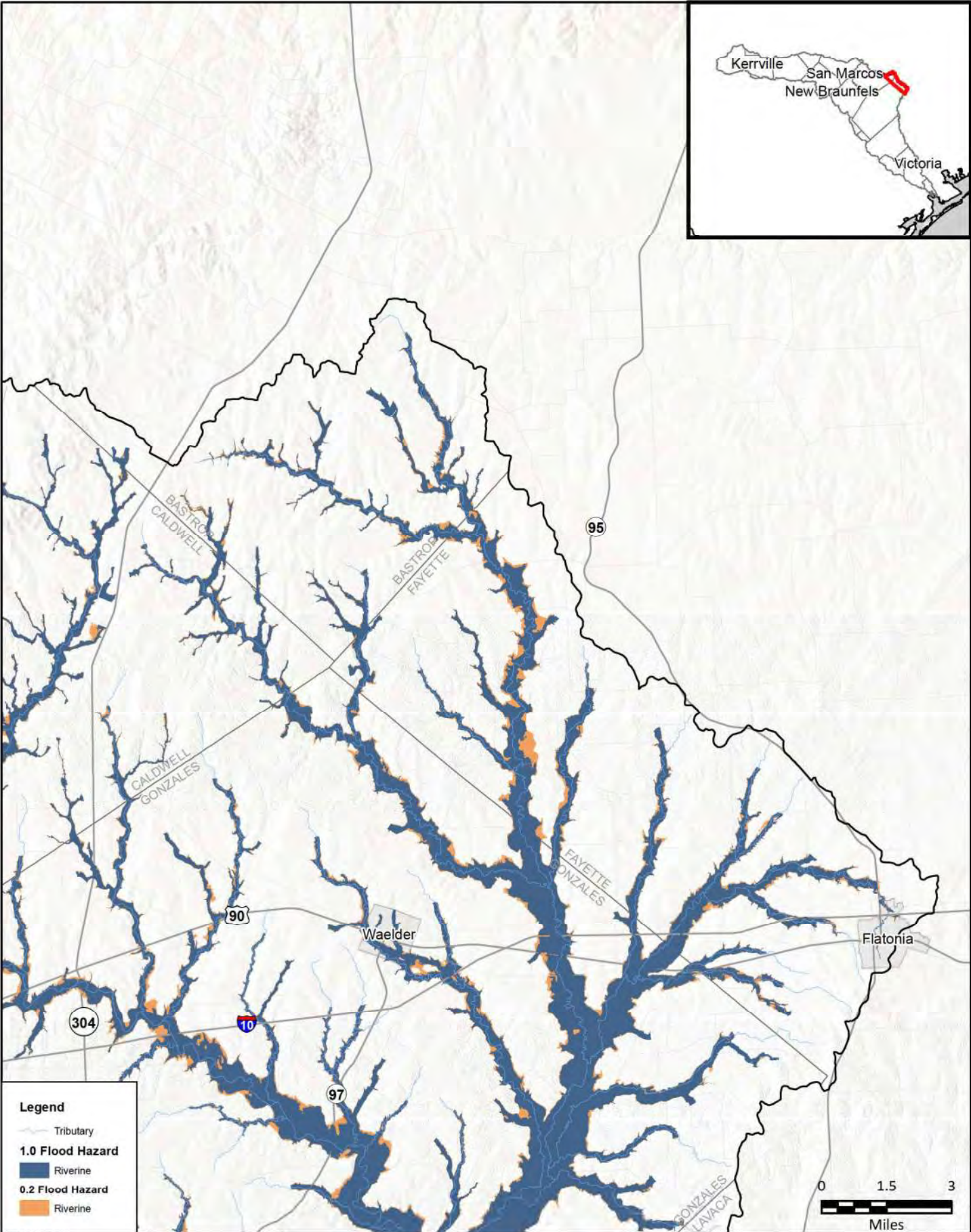
Region 11: Guadalupe  
Map 4 - Existing Flood Hazard Areas

**Gonzales County**



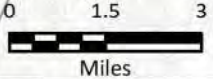
FIGURE  
9 of 14





**Legend**

- Tributary
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine



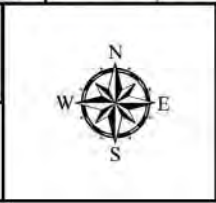
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DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	
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FILE NAME	Name: 4_ExtHazardMapbook
PREPARED BY	02405

REGION 11  
**GUADALUPE**  
NATURAL FLOOD HAZARD OUTLINE

**FREESE & NICHOLS**

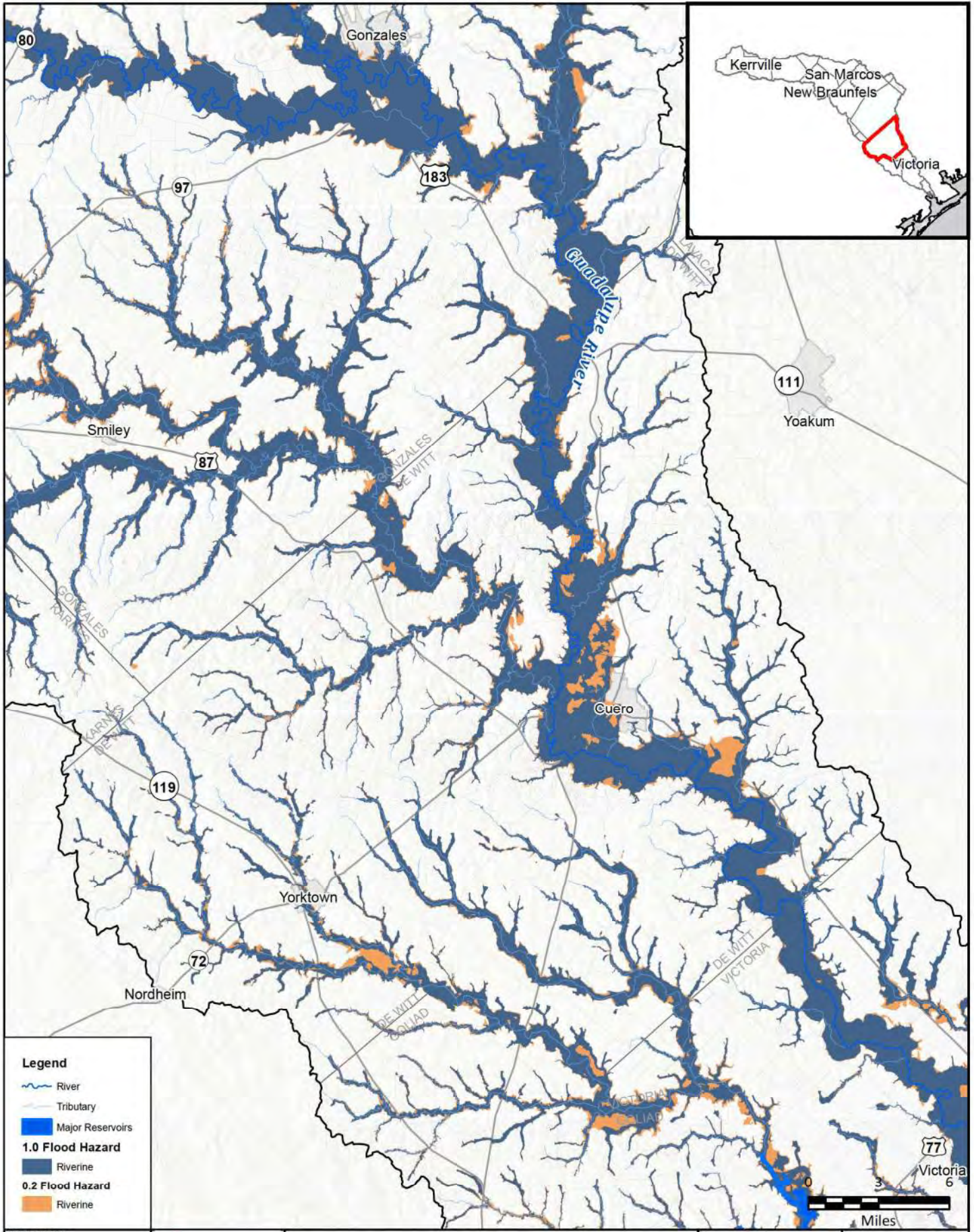
FREESE AND NICHOLS, INC.  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 4 - Existing Flood Hazard Areas  
**Bastrop & Fayette Counties**



**FIGURE**  
**10 of 14**





**Legend**

- River
- Tributary
- Major Reservoirs
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	
FILE NAME	Name: 4_ExpHazardMapbook
PREPARED BY	02405

REGION 11  
**GUADALUPE**  
NATURAL & CULTURAL CENTER

**FREESE & NICHOLS**

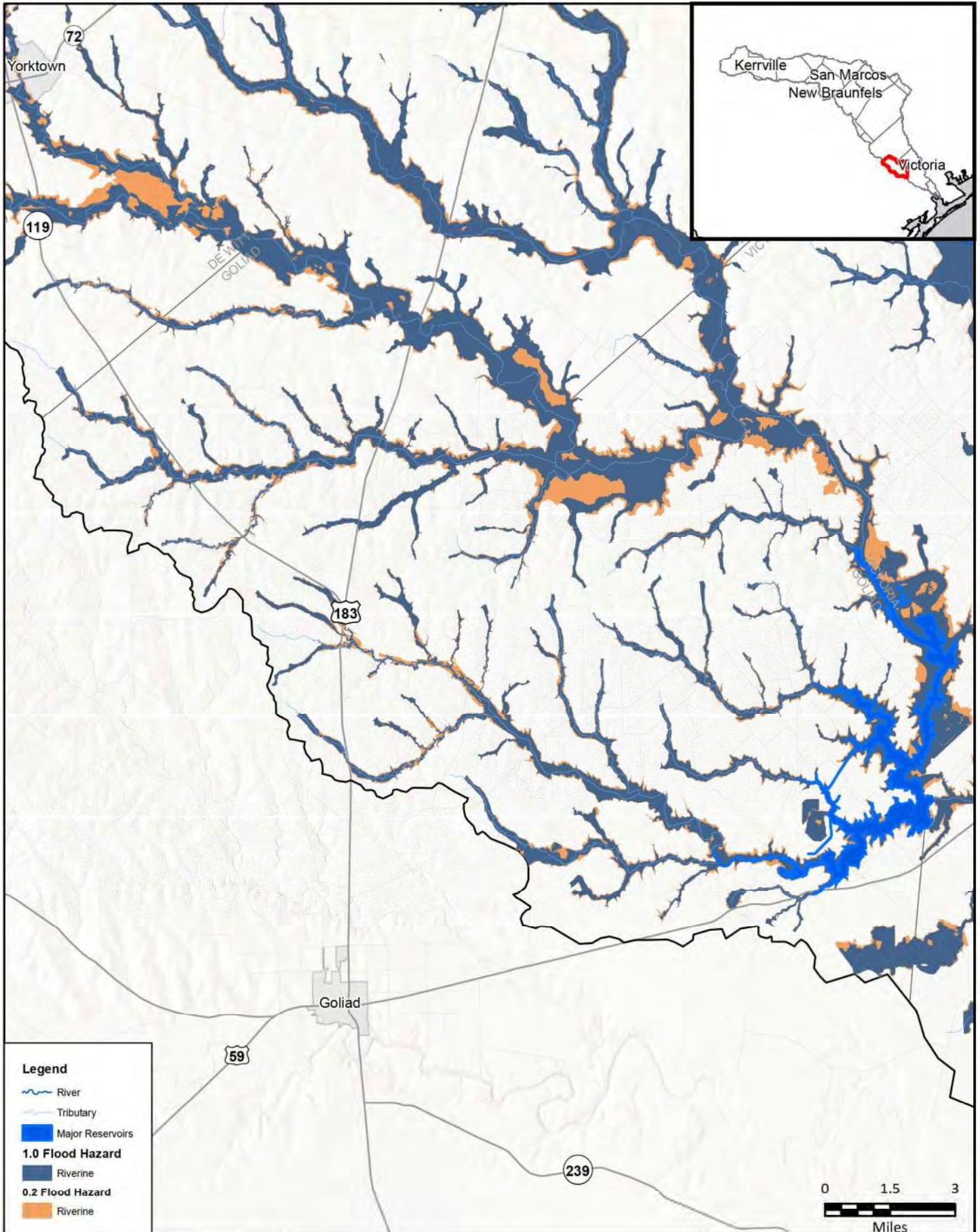
FREESE AND NICHOLS, INC.  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 4 - Existing Flood Hazard Areas  
**De Witt County**



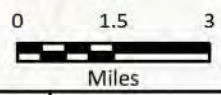
FIGURE  
11 of 14





**Legend**

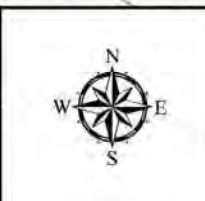
- River
- Tributary
- Major Reservoirs
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine



FN PROJECT NO.	0BA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	
NAD 1983 2011 Texas Centroid Mapping System Lambert	
FILE NAME	Name: 4_ExtFloodHazardMapbook
PREPARED BY	02405

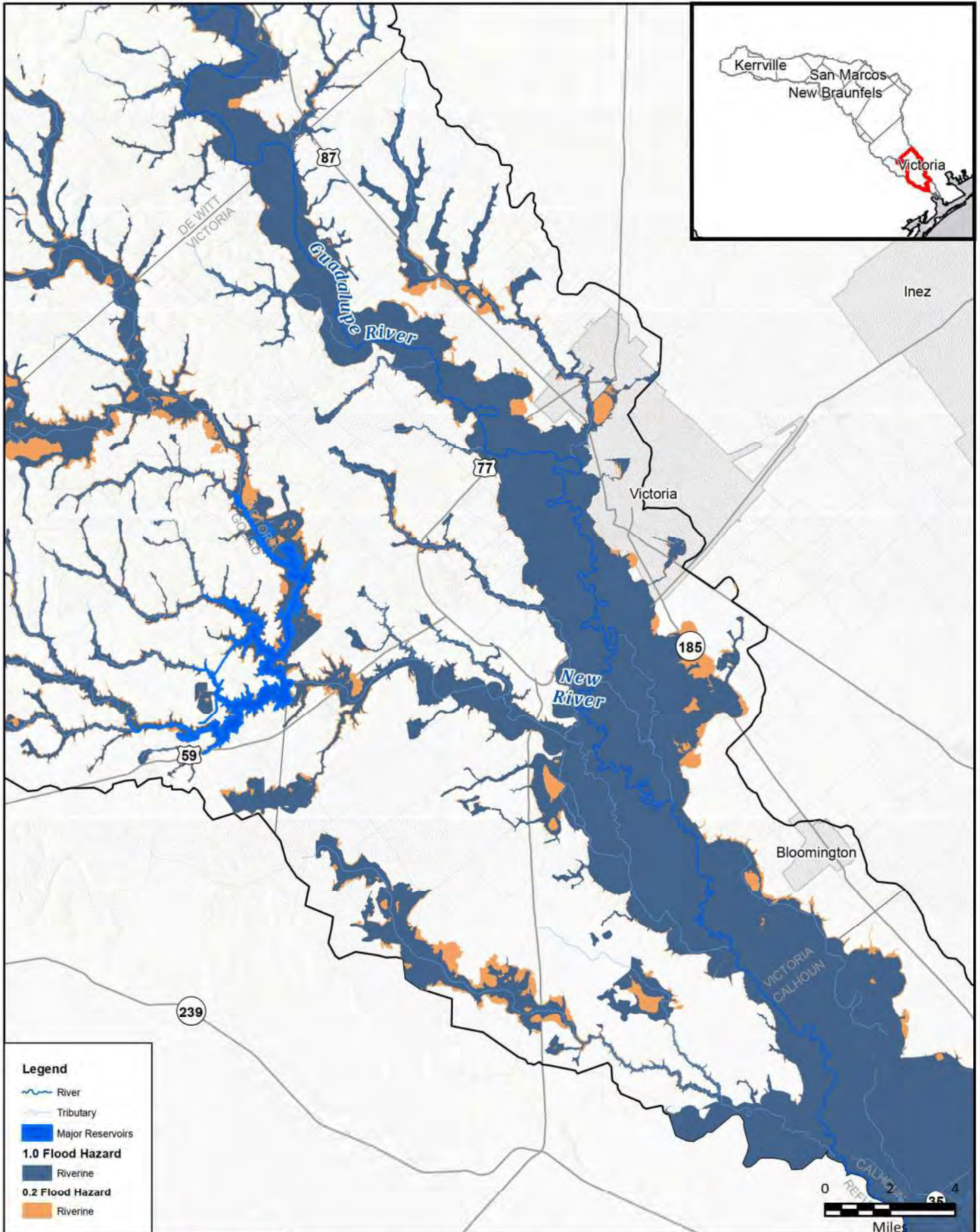
**GUADALUPE**  
**FREASE AND NICHOLS, INC.**  
 10431 MORADO CIRCLE  
 BUILDING 5, SUITE 300  
 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

Region 11: Guadalupe  
**Map 4 - Existing Flood Hazard Areas**  
**Goliad County**



**FIGURE**  
**12 of 14**





**Legend**

- River
- Tributary
- Major Reservoirs
- 1.0 Flood Hazard Riverine
- 0.2 Flood Hazard Riverine

PROJECT NO.	0BA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	
NAD 1983 2011 Texas Centric Mapping System (Lambert)	
FILE NAME	Name: 4_ExpHazardMapbook
PREPARED BY	02405

**GUADALUPE**  
 REGIONAL WATER TREATMENT DISTRICT

**FRESE AND NICHOLS, INC.**  
 10431 MORADO CIRCLE  
 BUILDING 5, SUITE 300  
 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

Region 11: Guadalupe  
 Map 4 - Existing Flood Hazard Areas

## Victoria County

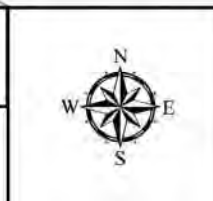
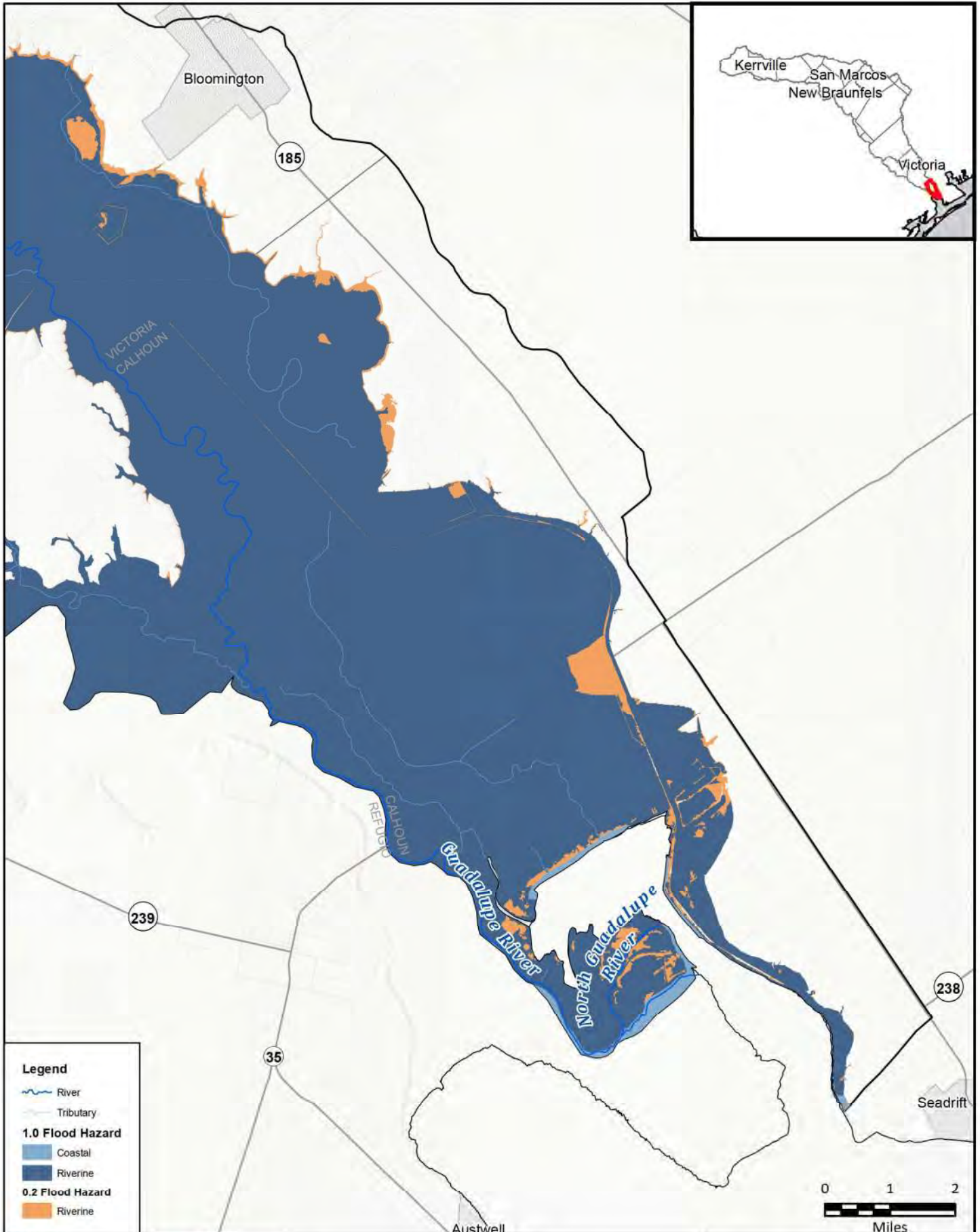


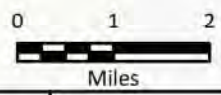
FIGURE  
13 of 14





**Legend**

- River
- Tributary
- 1.0 Flood Hazard**
- Coastal
- Riverine
- 0.2 Flood Hazard**
- Riverine



FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	
FILE NAME	Name: 4_ExtHazardMapbook
PREPARED BY	02405

REGULATORY  
**GUADALUPE**  
 REGIONAL CONSULTING GROUP

**FREESE & NICHOLS**

**FREESE AND NICHOLS, INC.**  
 10431 MORADO CIRCLE  
 BUILDING 5, SUITE 300  
 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

Region 11: Guadalupe  
 Map 4 - Existing Flood Hazard Areas

**Calhoun County**



**FIGURE**  
 14 of 14

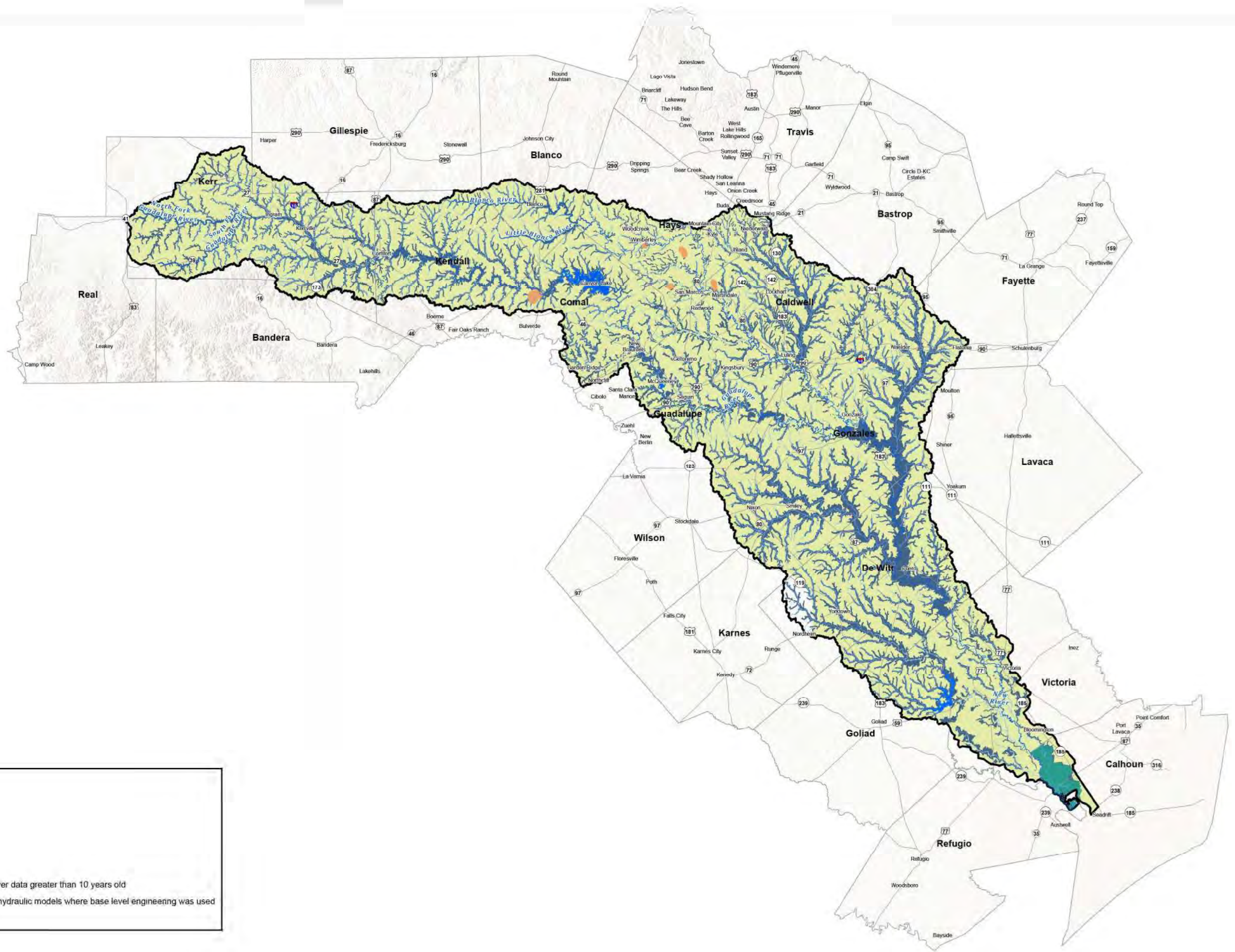
**Table 3: Existing Condition Flood Risk Summary Table (by County)**



RFPG No.	RFPG Name	County	Area in Flood Planning Region (sqmi)	1% Annual Chance Flood Risk								0.2% Annual Chance Flood Risk								Possible Flood Prone Areas								Total Exposure					Average SVI of features in floodplain or flood prone areas			
				Area in Floodplain (sqmi)	Number of Structures in Floodplain	Residential Structures in Floodplain	Population	Roadway Stream Crossings (#)	Roadways Segments (miles)	Agricultural Areas (sqmi)	Critical Facilities (#)	Area in Floodplain (sqmi)	Number of Structures in Floodplain	Residential Structures in Floodplain	Population	Roadway Stream Crossings (#)	Roadways Segments (miles)	Agricultural Areas (sqmi)	Critical Facilities (#)	Area (sqmi)	Number of Structures in Flood Prone Area	Residential Structures in Flood Prone Area	Population	Roadway Stream Crossings (#)	Roadways Segments (miles)	Agricultural Areas (sqmi)	Critical Facilities (#)	Area (sqmi)	Number of Structures in Flood Prone Area	Residential Structures in Flood Prone Area	Population	Roadway Stream Crossings (#)		Roadways Segments (miles)	Agricultural Areas (sqmi)	Critical Facilities (#)
11	Guadalupe	Bandera	15.5	0.5	5	0	2	1	0.2	0.4	0	0.1	1	0	0	0	0.1	0.1	0	0.0	0	0	0	0	0.0	0	0.6	6	0	2	1	0.3	0.5	0	0.46	
11	Guadalupe	Bastrop	38.6	3.2	4	0	3	10	1.7	1.9	0	0.8	4	1	2	1	0.5	0.6	0	0.0	0	0	0	0	0.0	0	3.9	8	1	5	11	2.2	2.5	0	0.32	
11	Guadalupe	Blanco	162.4	9.0	166	121	255	68	14.2	6.4	0	4.2	187	142	325	8	9.4	3.1	0	0.0	0	0	0	0	0.0	0	13.2	353	263	580	76	23.6	9.5	0	0.52	
11	Guadalupe	Caldwell	486.8	82.2	937	635	2190	254	71.2	55.8	7	14.2	680	459	1453	34	34.0	10.5	11	0.1	4	2	10	0	0.2	0.0	0	96.5	1621	1096	3653	288	105.4	66.3	18	0.58
11	Guadalupe	Calhoun	71.2	45.8	114	95	270	6	4.8	3.2	0	2.1	2	0	0	0	0.7	0.8	0	0.0	0	0	0	0	0.0	0	47.9	116	95	270	6	5.4	4.0	0	0.79	
11	Guadalupe	Comal	475.7	60.7	3676	2781	9128	225	92.6	14.8	6	13.8	5496	4297	16847	31	92.0	3.7	23	1.0	214	212	502	0	4.7	0.0	0	75.4	9386	7290	26477	256	189.4	18.5	29	0.38
11	Guadalupe	De Witt	685.5	135.3	3095	1911	4290	325	115.1	97.5	17	25.9	1289	805	3245	37	46.8	22.0	25	0.0	0	0	0	0	0.0	0	161.2	4384	2716	7535	362	161.9	119.5	42	0.65	
11	Guadalupe	Fayette	70.8	9.3	26	14	31	48	8.4	5.2	0	2.3	33	14	40	4	3.5	2.0	0	0.0	0	0	0	0	0.0	0	11.6	59	28	71	52	11.9	7.2	0	0.48	
11	Guadalupe	Gillespie	31.8	0.7	8	2	22	2	0.1	0.5	0	0.2	5	1	14	0	0.0	0.1	0	0.0	0	0	0	0	0.0	0	0.8	13	3	36	2	0.1	0.7	0	0.34	
11	Guadalupe	Goliad	195.6	30.8	166	57	296	80	11.7	20.6	3	9.3	104	35	143	12	7.0	7.7	2	0.0	0	0	0	0	0.0	0	40.1	270	92	439	92	18.7	28.3	5	0.47	
11	Guadalupe	Gonzales	1056.8	227.2	1648	760	2084	446	123.7	158.5	4	29.1	704	365	1210	36	35.0	25.8	1	0.0	0	0	0	0	0.0	0	256.3	2352	1125	3294	482	158.8	184.4	5	0.73	
11	Guadalupe	Guadalupe	540.6	80.2	5822	4851	14109	321	116.7	39.8	14	16.7	1798	1286	3937	43	37.7	9.1	6	0.0	0	0	0	0	0.0	0	96.9	7620	6137	18046	364	154.4	48.9	20	0.42	
11	Guadalupe	Hays	376.7	46.1	4359	3223	17721	299	100.0	16.5	15	8.7	2707	1954	12925	11	47.1	3.0	8	0.2	67	57	184	4	0.9	0.0	0	55.0	7133	5234	30830	314	148.0	19.4	23	0.48
11	Guadalupe	Karnes	48.7	6.0	3	1	4	12	2.5	3.8	0	0.9	2	1	5	1	0.8	0.8	0	0.0	0	0	0	0	0.0	0	6.9	5	2	9	13	3.3	4.6	0	0.08	
11	Guadalupe	Kendall	502.9	47.0	1374	716	1964	172	44.4	37.8	3	13.3	820	315	1088	26	20.4	10.2	2	0.0	0	0	0	0	0.0	0	60.3	2194	1031	3052	198	64.7	48.0	5	0.39	
11	Guadalupe	Kerr	769.6	62.5	3832	2315	7414	441	124.1	43.9	6	24.1	3480	2318	8376	81	71.1	16.6	9	0.0	0	0	0	0	0.0	0	86.6	7312	4633	15790	522	195.2	60.5	15	0.53	
11	Guadalupe	Lavaca	8.6	0.2	0	0	0	1	0.0	0.2	0	0.0	1	0	0	0	0.1	0.0	0	0.0	0	0	0	0	0.0	0	0.2	1	0	0	1	0.1	0.2	0	0.34	
11	Guadalupe	Refugio	0.6	0.6	2	0	6	2	1.1	0.0	0	0.0	0	0	0	0	0.0	0.0	0	0.0	0	0	0	0	0.0	0	0.6	2	0	6	2	1.1	0.0	0	0.59	
11	Guadalupe	Travis	5.5	0.4	6	6	16	2	0.1	0.2	0	0.1	4	4	11	0	0.0	0.0	0	0.0	0	0	0	0	0.0	0	0.5	10	10	27	2	0.1	0.2	0	0.63	
11	Guadalupe	Victoria	413.7	133.3	1808	1382	4019	140	98.5	52.6	60	16.1	1126	954	2948	5	31.5	9.5	0	0.0	0	0	0	0	0.0	0	149.4	2934	2336	6967	145	130.0	62.1	60	0.50	
11	Guadalupe	Wilson	52.7	4.7	18	9	33	17	4.0	3.3	0	1.0	4	1	6	0	1.1	0.9	0	0.0	0	0	0	0	0.0	0	5.7	22	10	39	17	5.0	4.2	0	0.58	

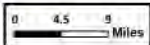
**Map 5: Existing Condition Flood Hazard - Gaps  
in Inundation Boundary Mapping including  
Identification of Known Flood-Prone Areas**





**Legend**

- Major Reservoirs
- River
- Tributary
- Flood Prone Areas
- Flood Planning Region
- Outdated National Flood Hazard Layer data greater than 10 years old
- Absence of detailed hydrologic and hydraulic models where base level engineering was used
- No models with Atlas 14 rainfall



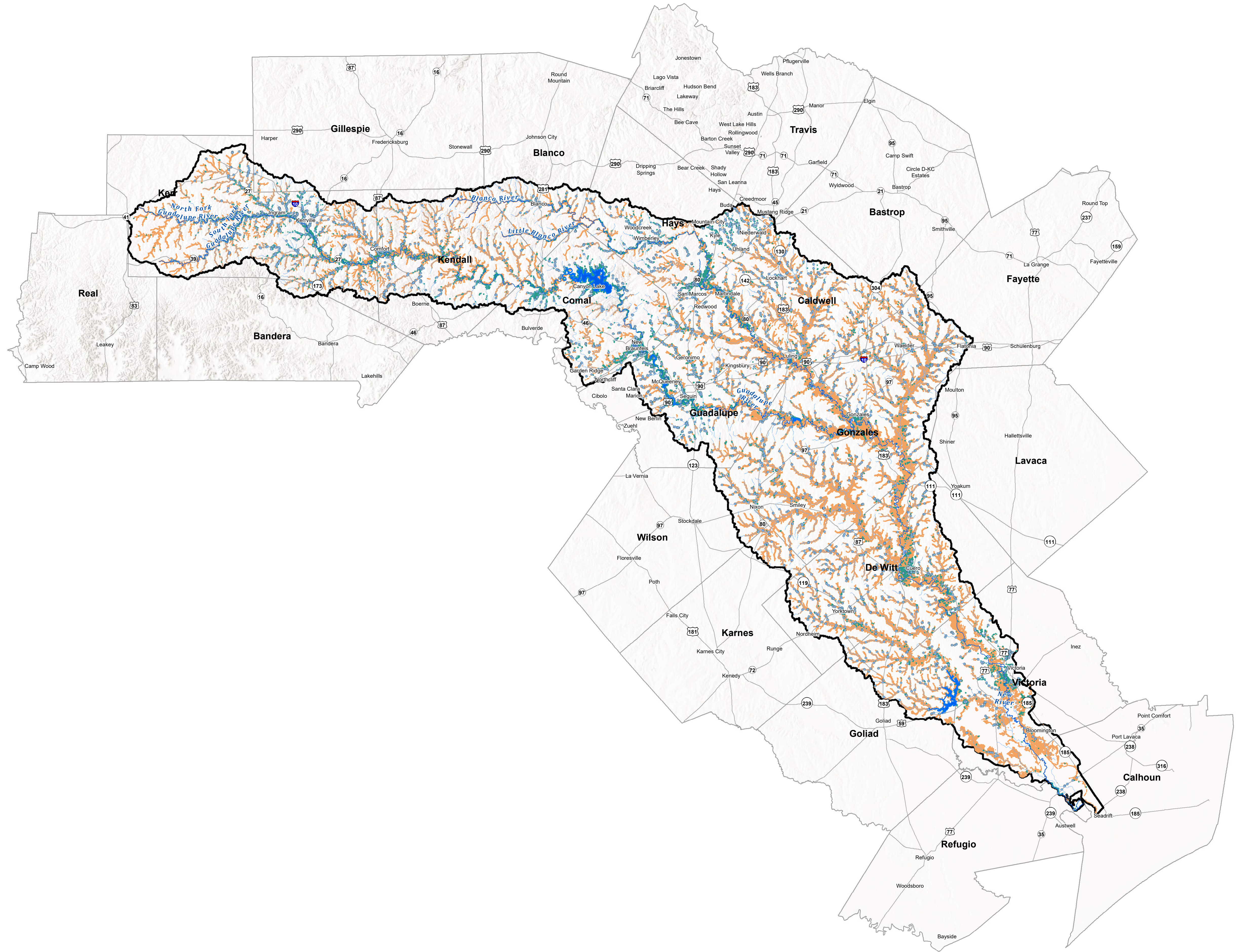
**Existing Condition Flood Hazard - Gaps in Inundation Boundary Mapping and Identify Flood-Prone Areas**

Region 11: Guadalupe

PROJECT NO.	0642130	<b>Map 5</b>
PROJECT NAME	Existing Flood Hazard Area	
DATE	7/20/2011	
SCALE	1" = 3 Miles	
DRAWN	GBM	

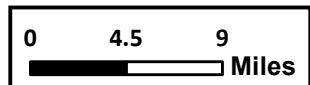
**Map 6: Existing Condition Flood Exposure**





**Legend**

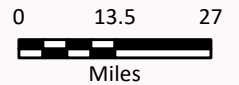
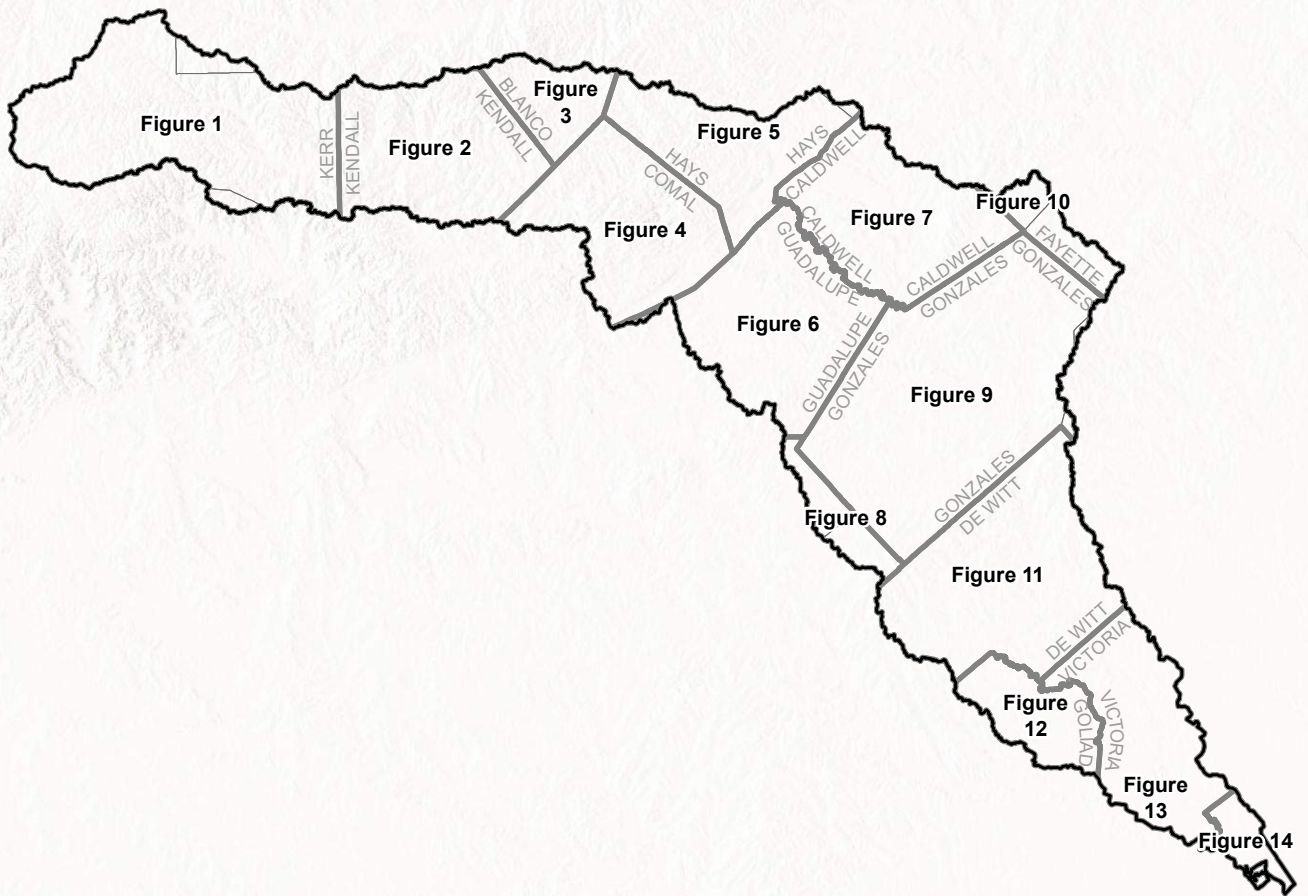
- Major Reservoirs
- River
- Tributary
- Exposed Roadway Crossing
- Buildings
- Agricultural Land
- Flood Planning Region



**Map 6 Region - Existing Condition Flood Exposure**  
 Region 11: Guadalupe

FILE NO	GBA21362	<b>Map</b> <b>6</b>
FILE	ExistingFloodExpRegion	
DATE	1/5/2023	
SCALE	1 in = 9 miles	
DRAFTED	02-405	





FN PROJECT NO.	GBA21362
DATE CREATED	Date: 1/5/2023
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExp_Index
PREPARED BY	02405

  
  
**FREESE AND NICHOLS, INC.**  
 10431 MORADO CIRCLE  
 BUILDING 5, SUITE 300  
 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

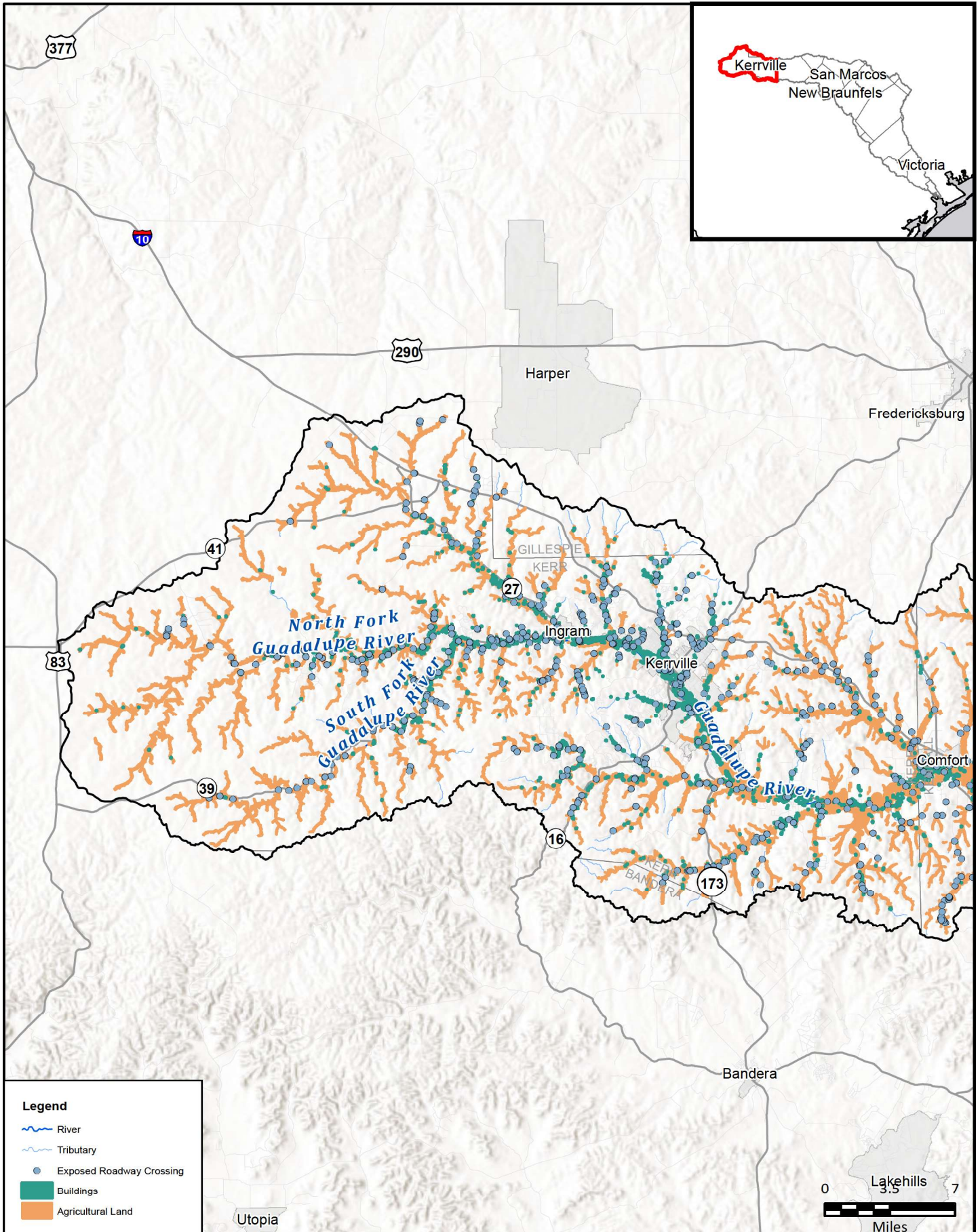
Region 11: Guadalupe  
 Map 6 Index - Existing Condition Flood Exposure

**Index Map**



**FIGURE  
 Index**





**Legend**

- River
- Tributary
- Exposed Roadway Crossing
- Buildings
- Agricultural Land

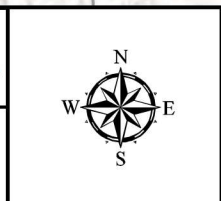


FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

**REGION 11 GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

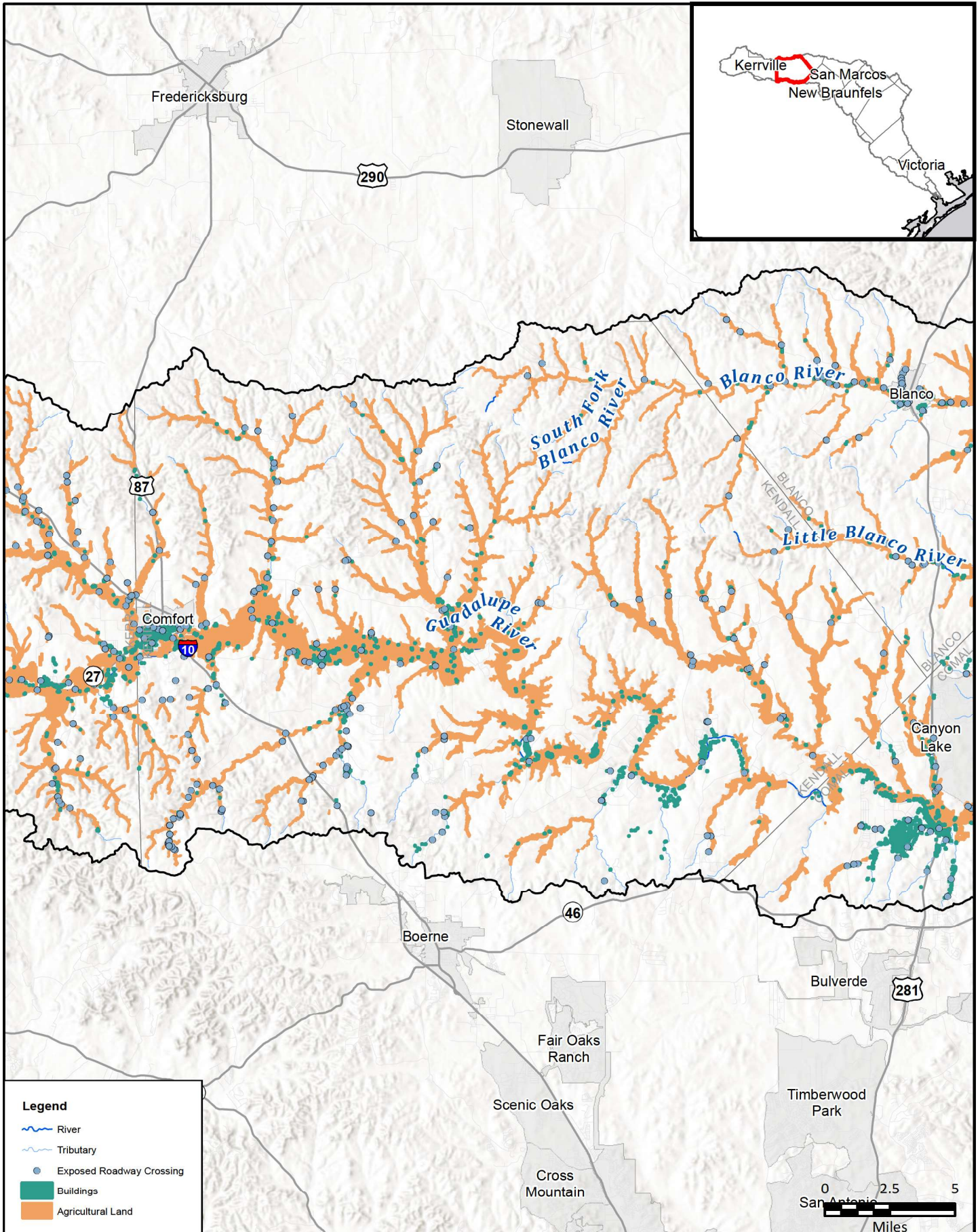
**FRESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
**Map 6 - Existing Condition Flood Exposure**  
**Kerr County**



**FIGURE**  
**1 of 14**





**Legend**

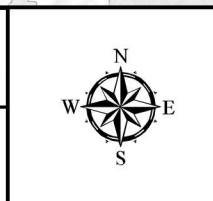
- River
- Tributary
- Exposed Roadway Crossing
- Buildings
- Agricultural Land

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

**REGION 11 GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

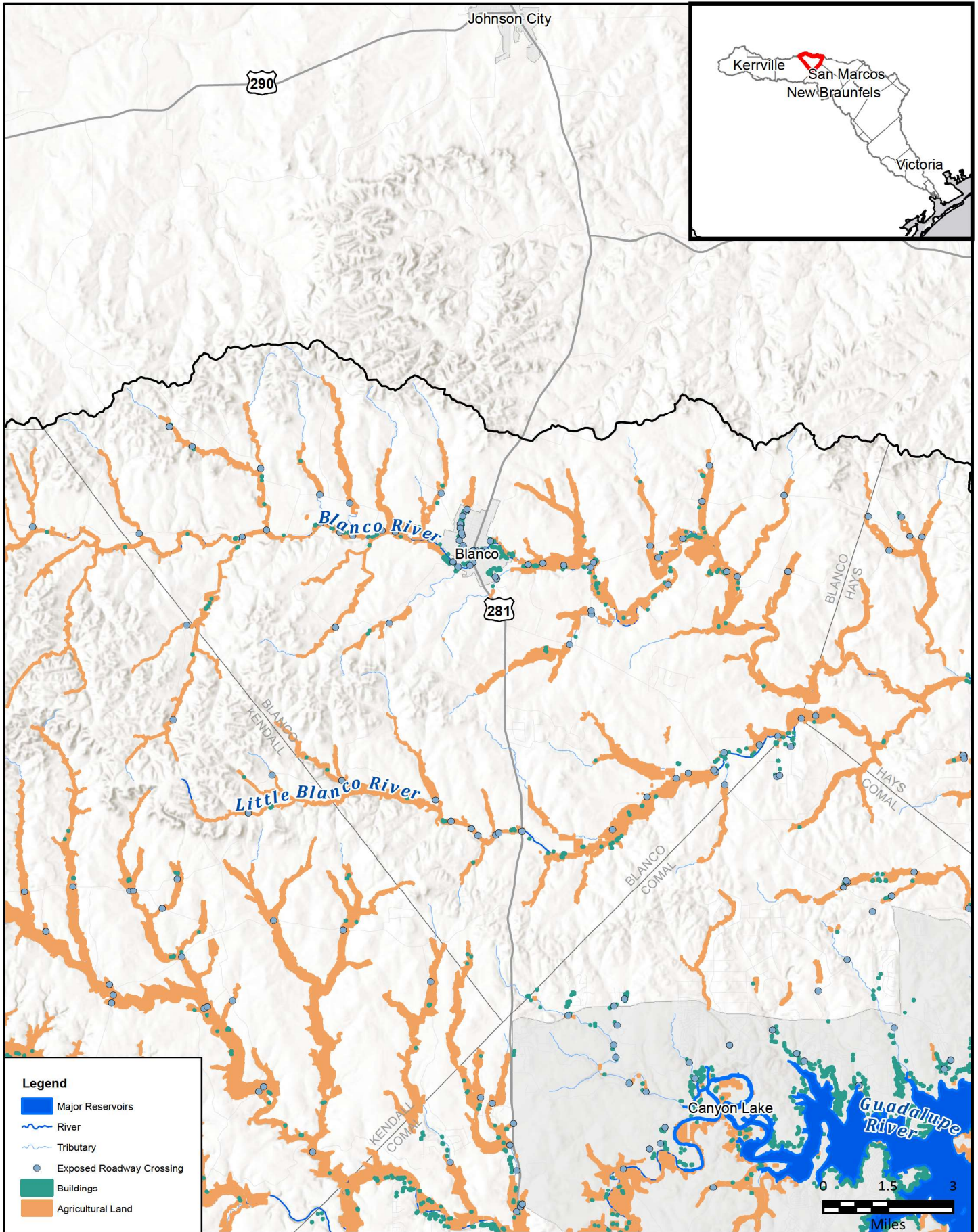
**FRESE AND NICHOLS**  
FRESE AND NICHOLS, INC.  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
**Map 6 - Existing Condition Flood Exposure**  
**Kendall County**



**FIGURE**  
2 of 14





**Legend**

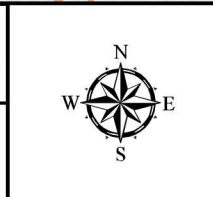
- Major Reservoirs
- River
- Tributary
- Exposed Roadway Crossing
- Buildings
- Agricultural Land

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

**REGION 11**  
**GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

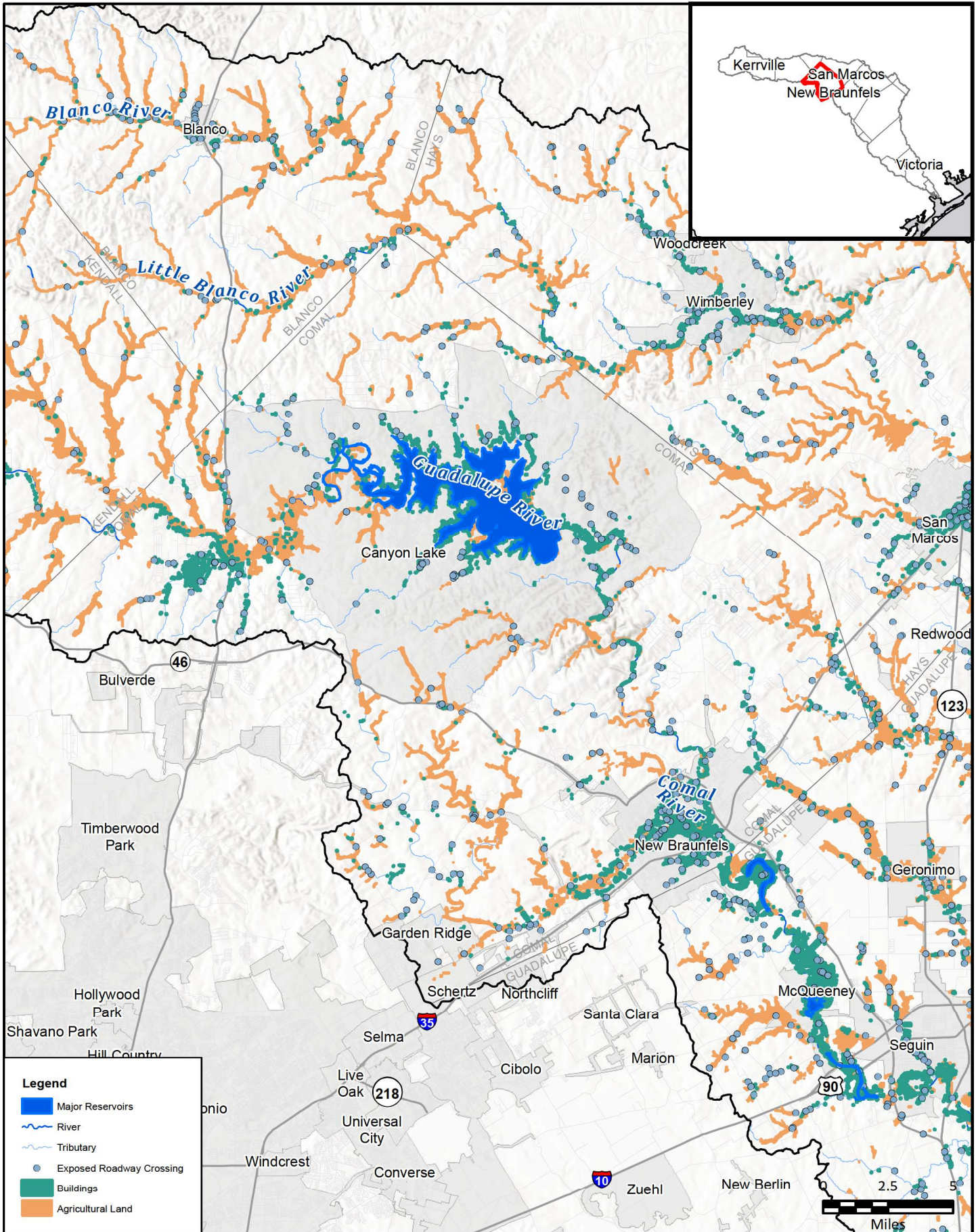
**FREESE AND NICHOLS**  
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10431 MORADO CIRCLE  
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AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
**Map 6 - Existing Condition Flood Exposure**  
**Blanco County**



**FIGURE**  
**3 of 14**





**Legend**

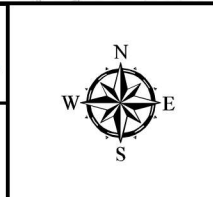
- Major Reservoirs
- River
- Tributary
- Exposed Roadway Crossing
- Buildings
- Agricultural Land

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

**REGION 11**  
REGIONAL FLOOD PLANNING GROUP

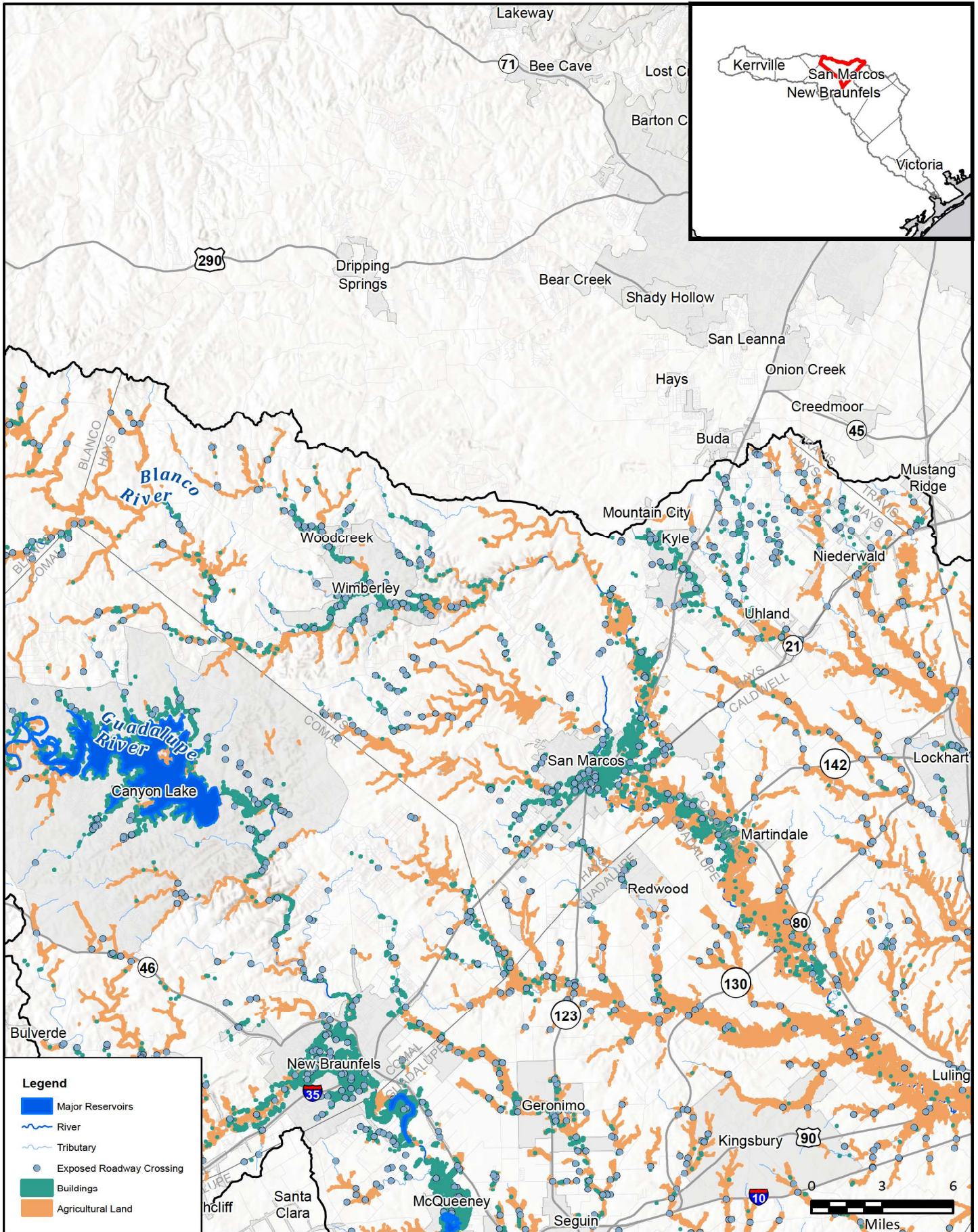
**FRESE AND NICHOLS, INC.**  
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BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
**Map 6 - Existing Condition Flood Exposure**  
**Comal County**



**FIGURE**  
4 of 14





FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

REGION  
**GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FRESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
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AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 6 - Existing Condition Flood Exposure  
**Hays County**

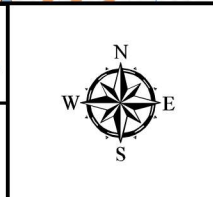
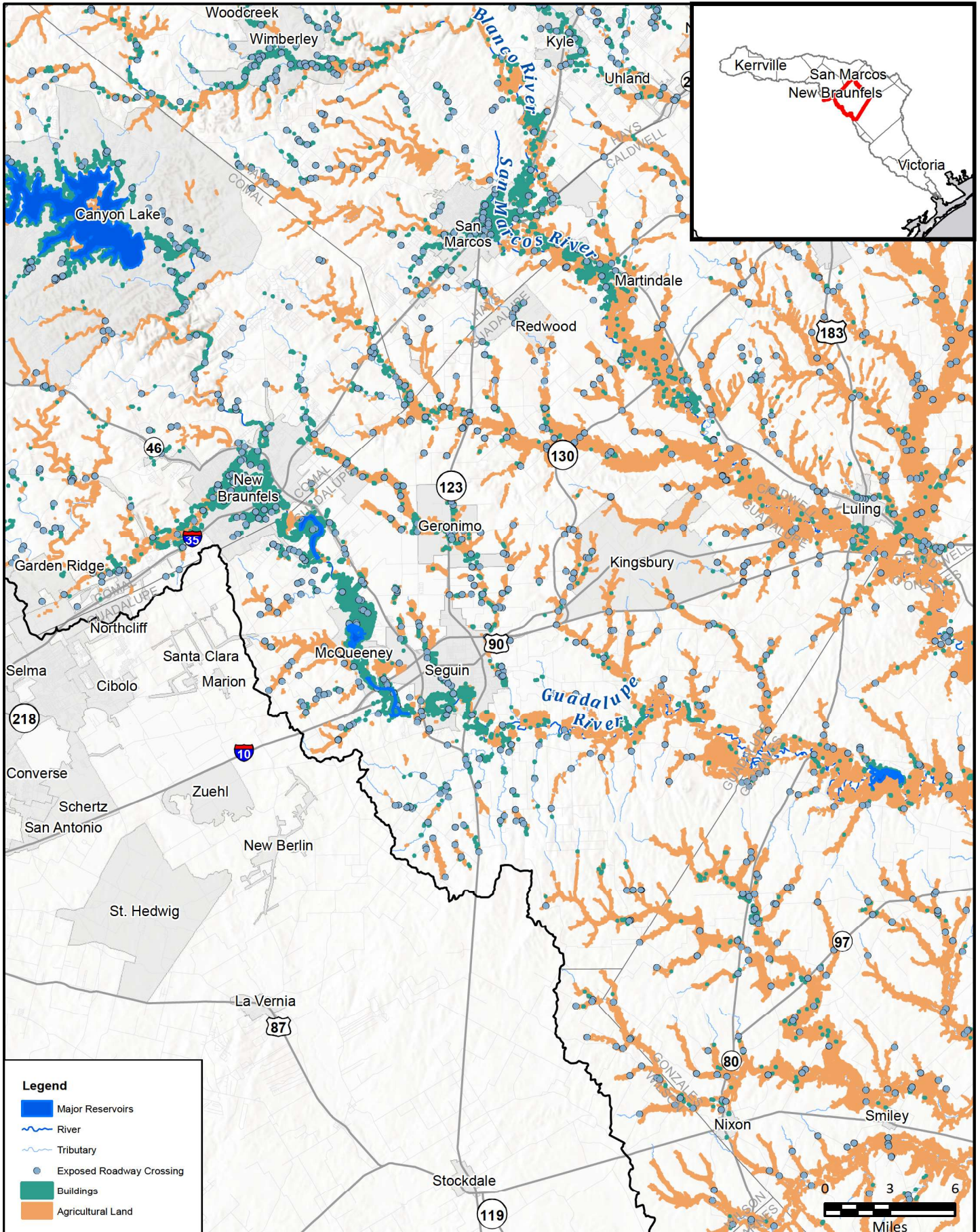


FIGURE  
5 of 14





**Legend**

- Major Reservoirs
- River
- Tributary
- Exposed Roadway Crossing
- Buildings
- Agricultural Land

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

**REGION GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

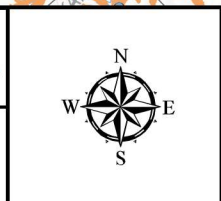
**FREES & NICHOLS**

**FREES AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe

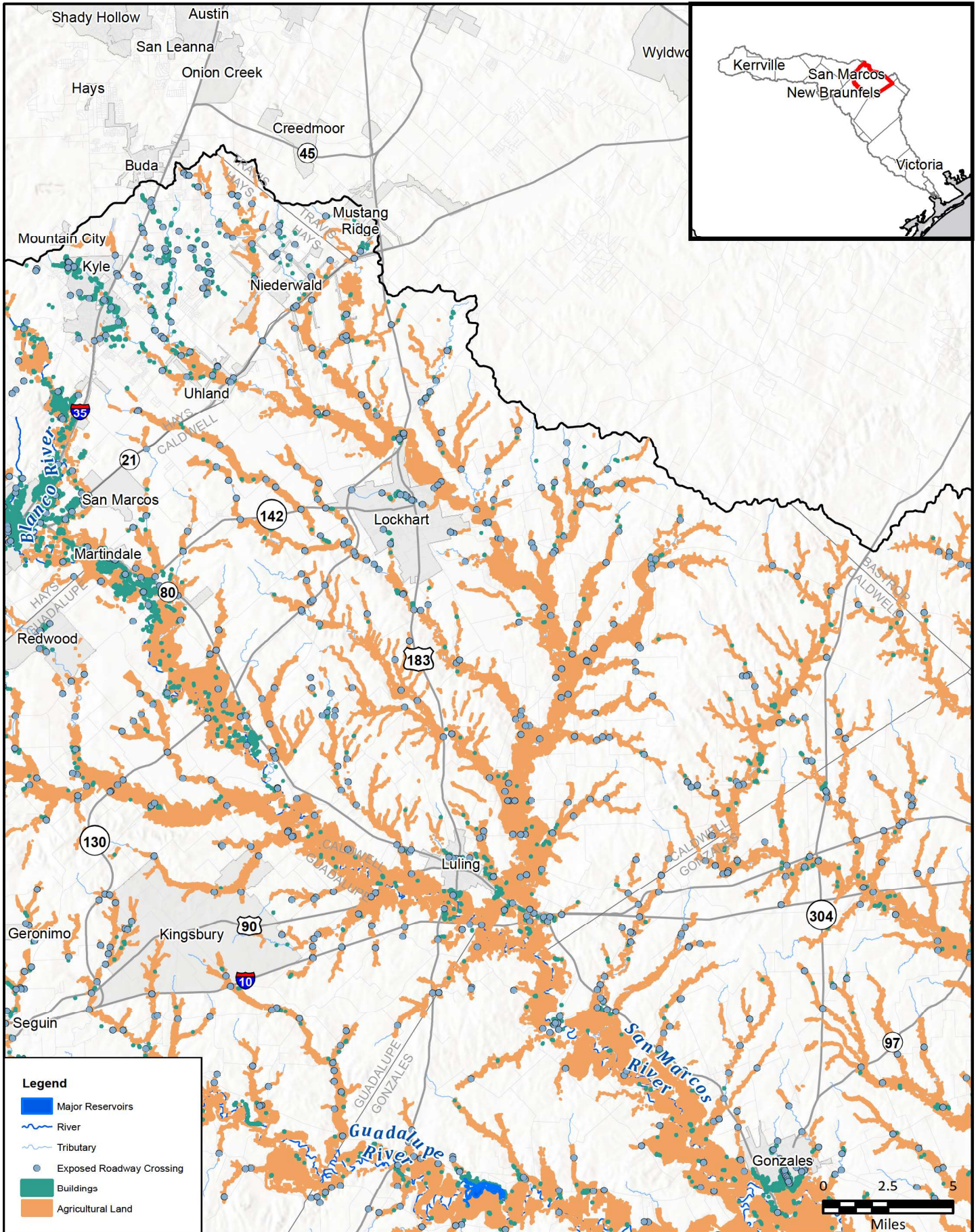
**Map 6 - Existing Condition Flood Exposure**

**Guadalupe County**



**FIGURE**  
**6 of 14**

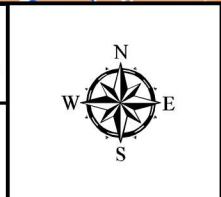




FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

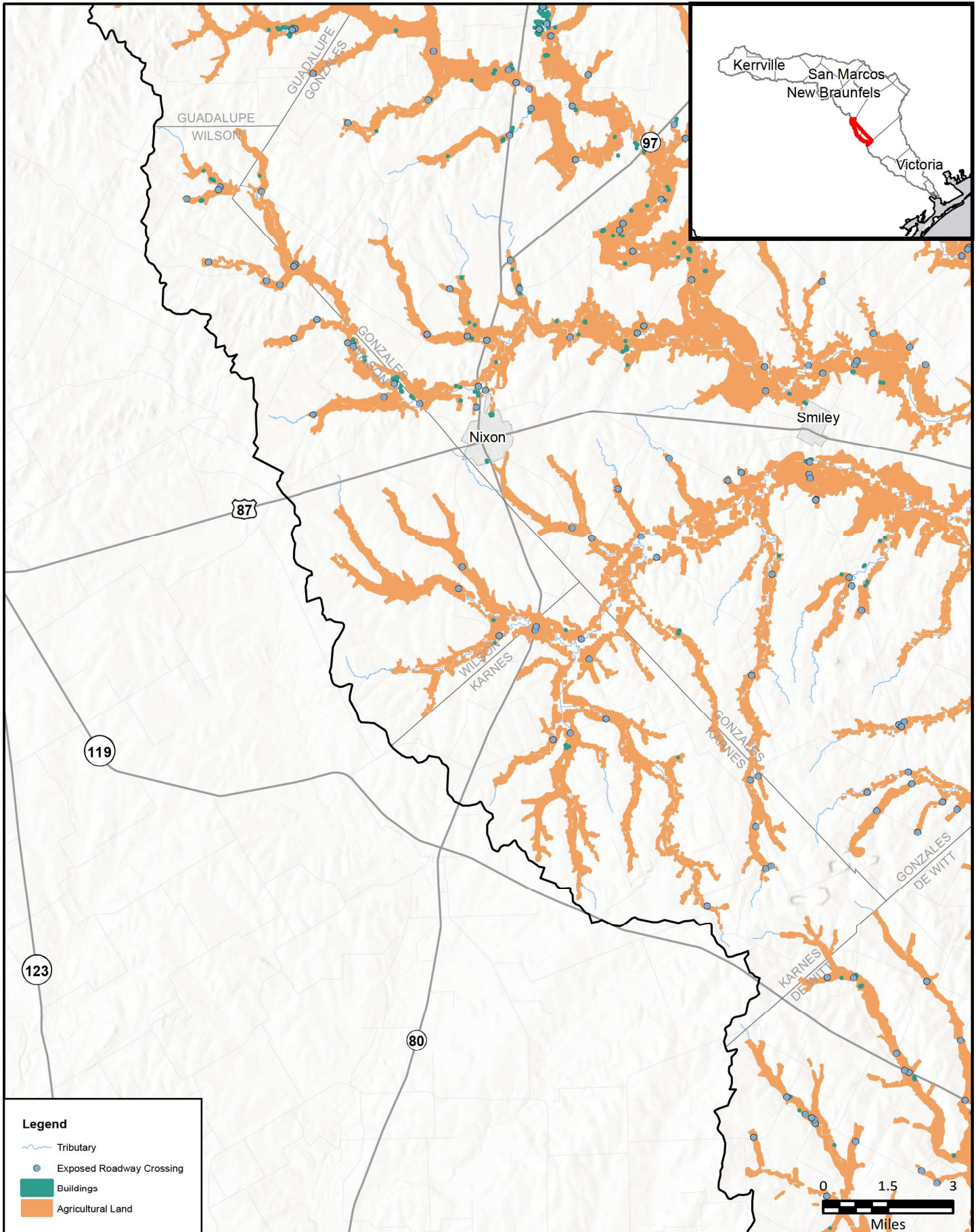

  
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 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

Region 11: Guadalupe  
**Map 6 - Existing Condition Flood Exposure**  
**Caldwell County**



**FIGURE**  
**7 of 14**



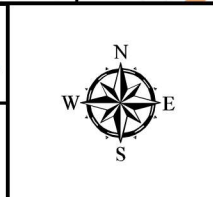


FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

**REGION GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

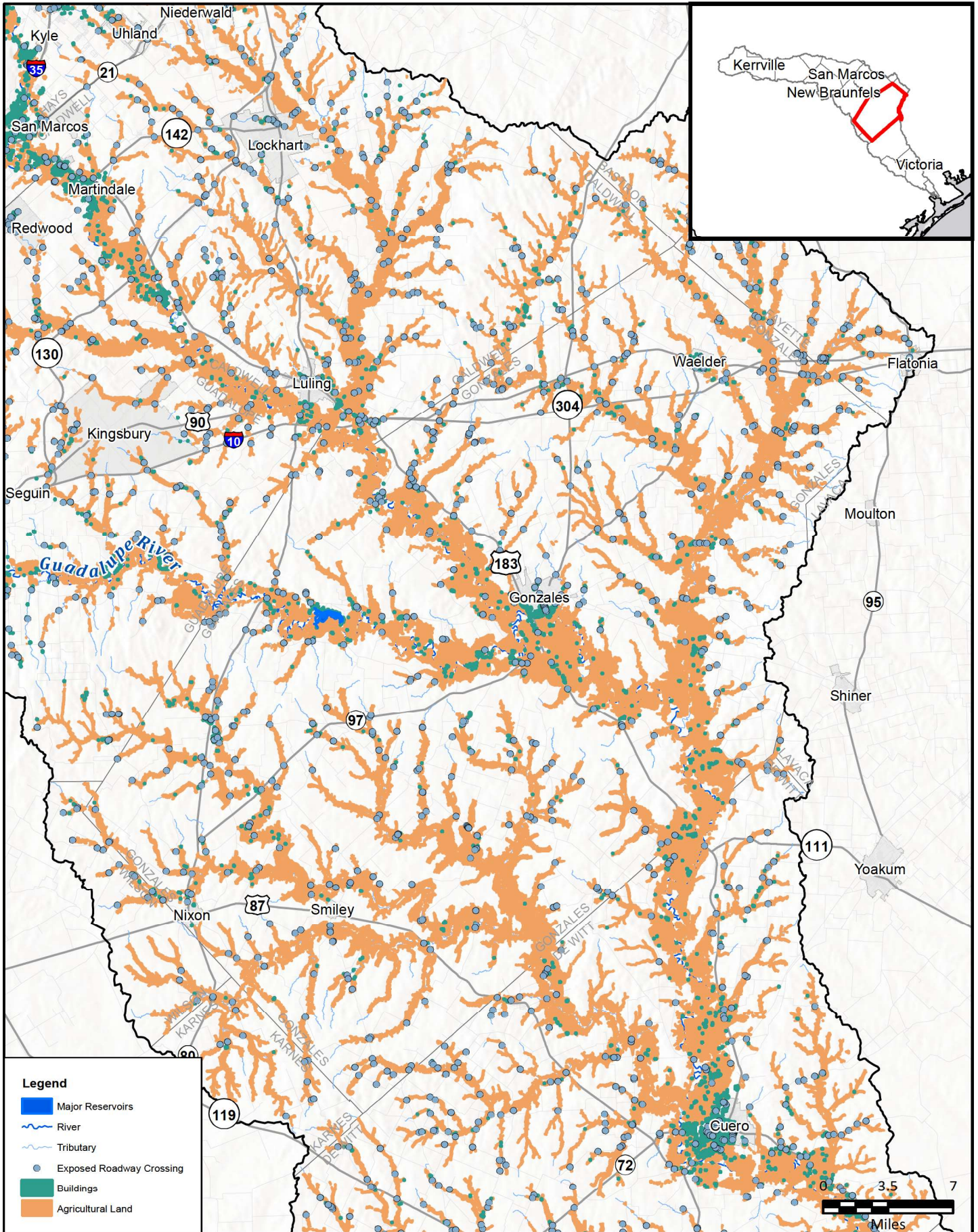
**FRESE AND NICHOLS**  
FRESE AND NICHOLS, INC.  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 6 - Existing Condition Flood Exposure  
**Wilson & Karnes Counties**



**FIGURE**  
**8 of 14**





**Legend**

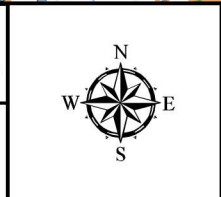
- Major Reservoirs
- River
- Tributary
- Exposed Roadway Crossing
- Buildings
- Agricultural Land

FN PROJECT NO.	CBA21362
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DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

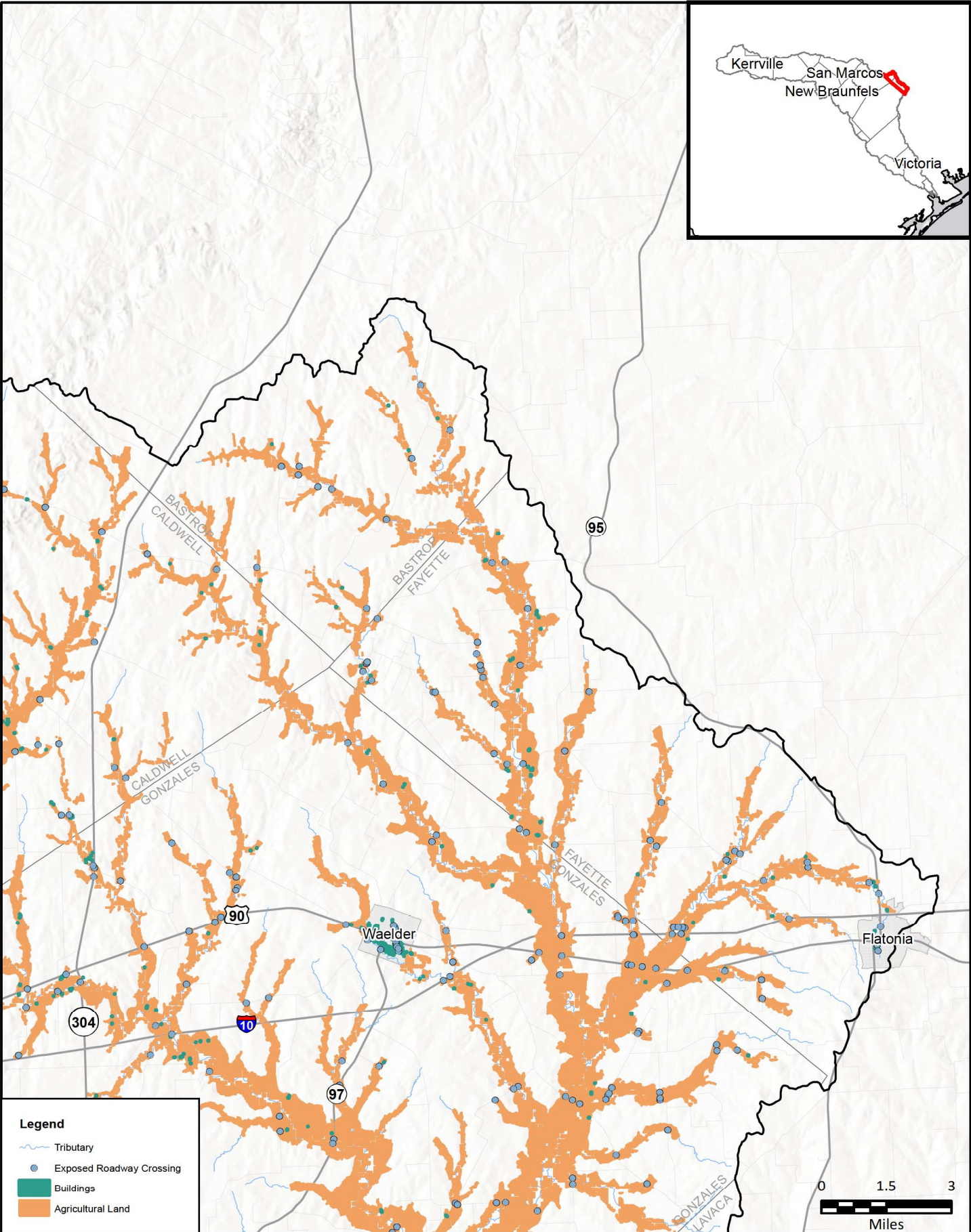
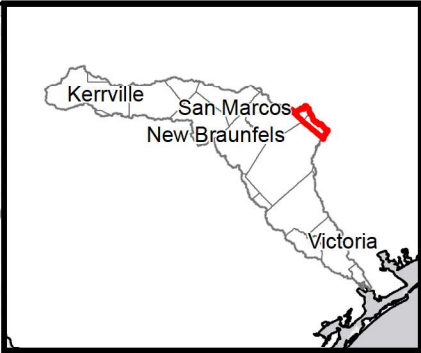
**FREASE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 6 - Existing Condition Flood Exposure  
**Gonzales County**



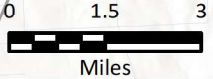
**FIGURE**  
9 of 14





**Legend**

- Tributary
- Exposed Roadway Crossing
- Buildings
- Agricultural Land



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

**REGION GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

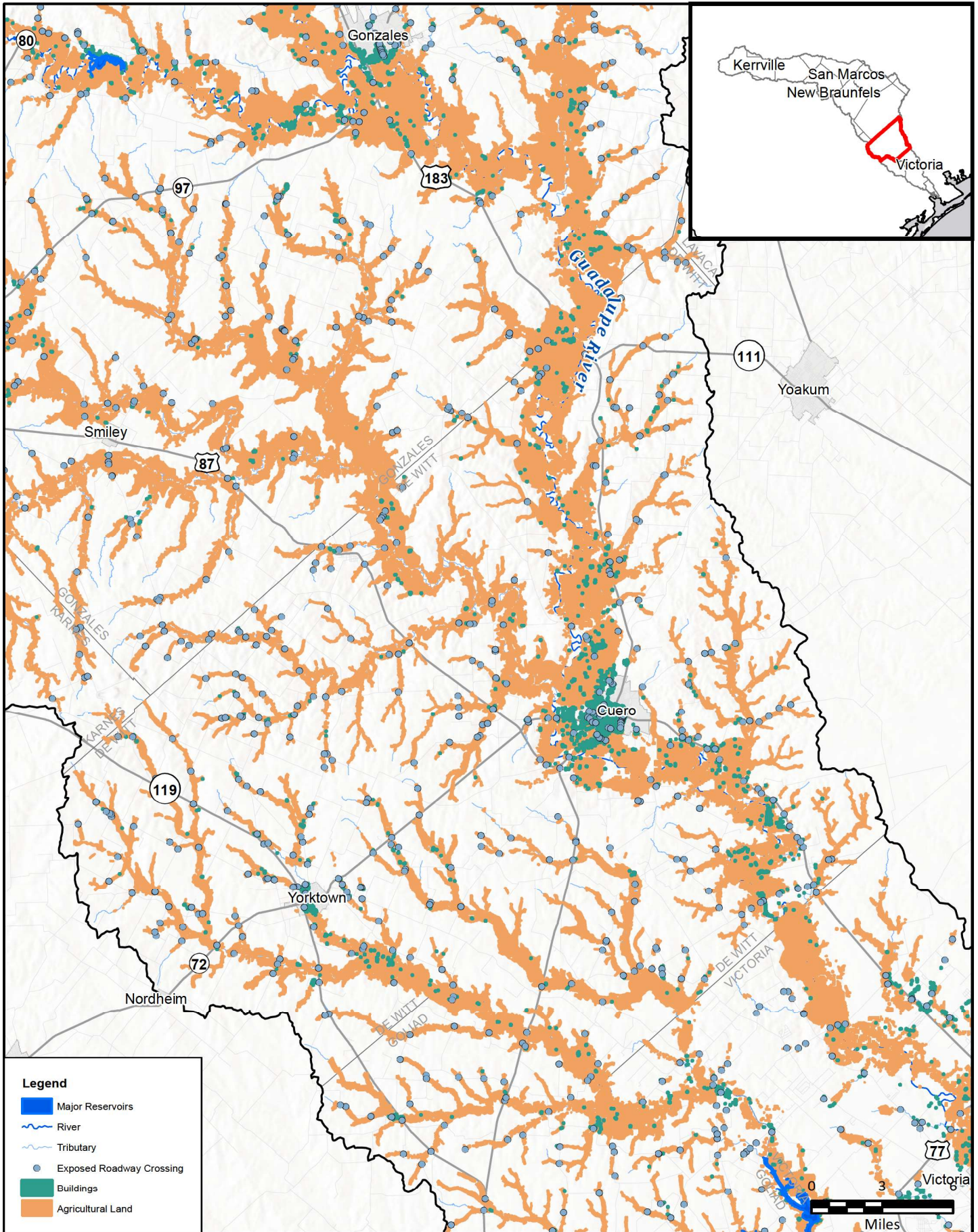
**FREESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 6 - Existing Condition Flood Exposure  
**Bastrop & Fayette Counties**



**FIGURE**  
**10 of 14**

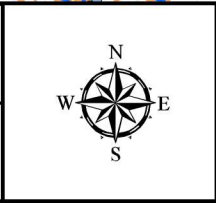




FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

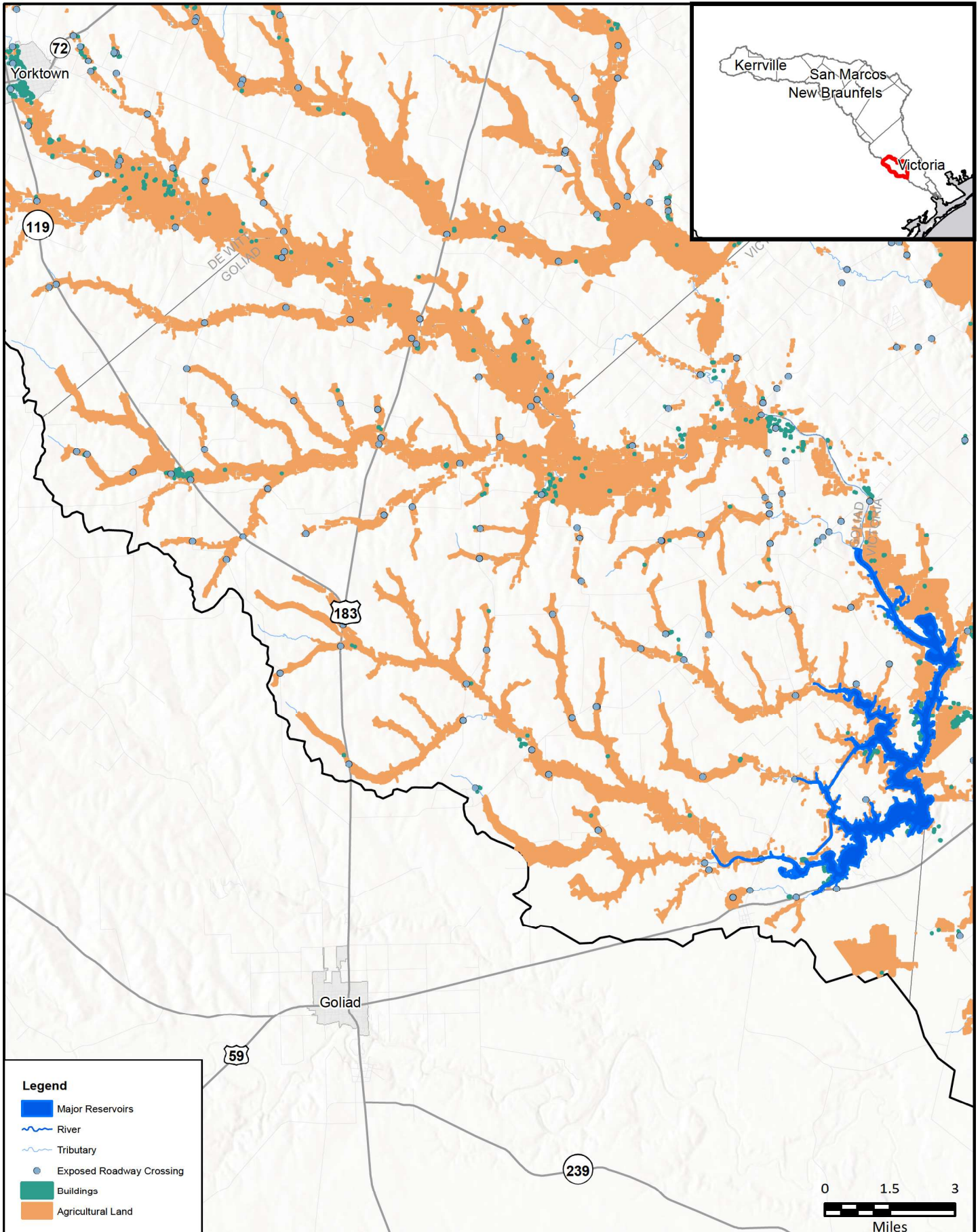
  
**FREESE AND NICHOLS, INC.**  
 10431 MORADO CIRCLE  
 BUILDING 5, SUITE 300  
 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

Region 11: Guadalupe  
**Map 6 - Existing Condition Flood Exposure**  
**De Witt County**



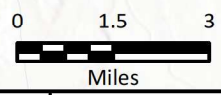
**FIGURE**  
**11 of 14**





**Legend**

- Major Reservoirs
- River
- Tributary
- Exposed Roadway Crossing
- Buildings
- Agricultural Land

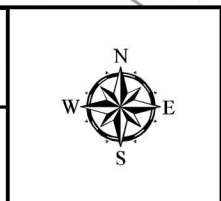


FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

REGION  
**GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

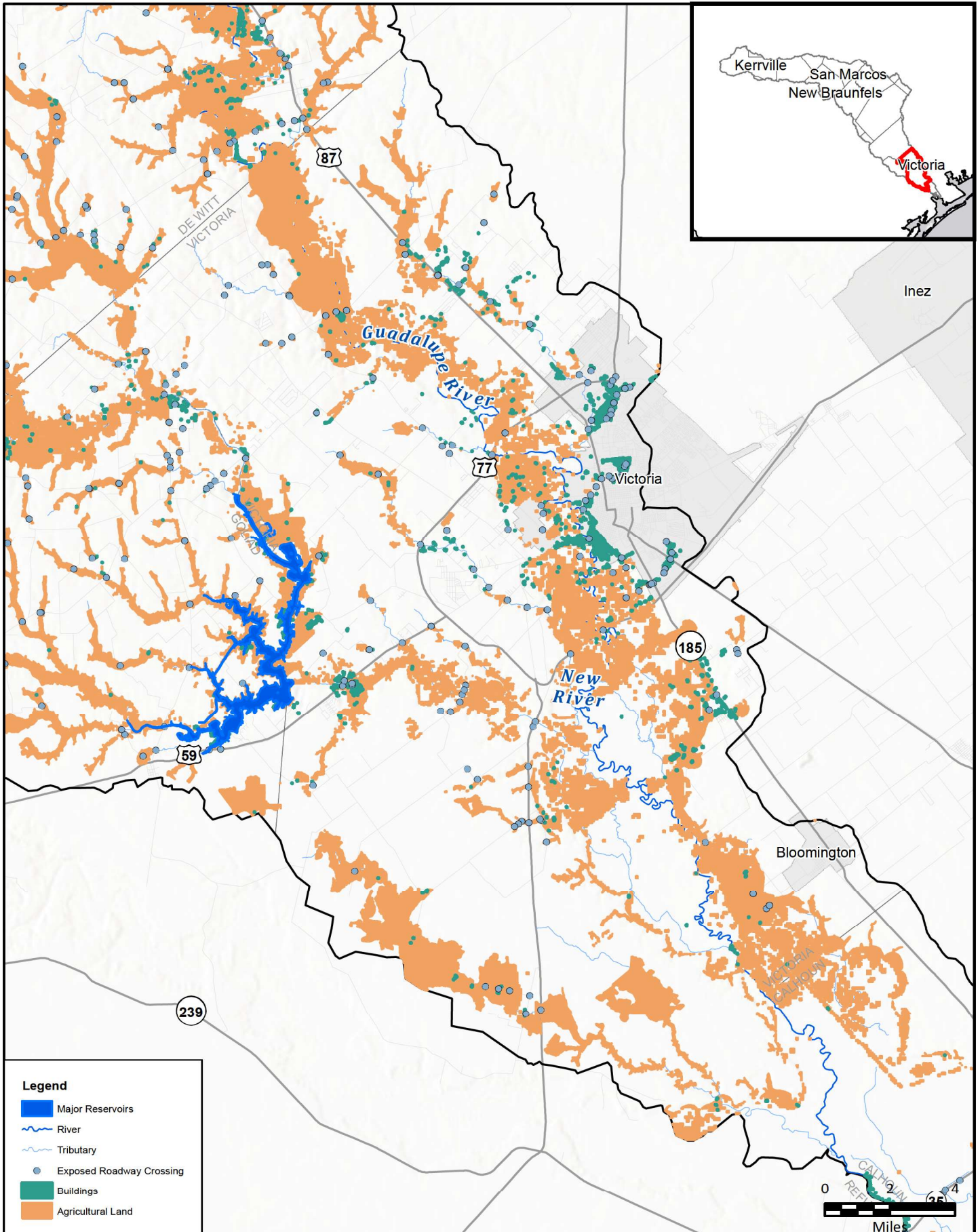
**FRESE AND NICHOLS**  
FRESE AND NICHOLS, INC.  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
**Map 6 - Existing Condition Flood Exposure**  
**Goliad County**



**FIGURE**  
**12 of 14**





**Legend**

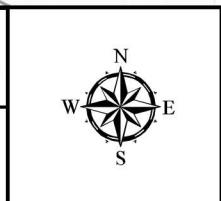
- Major Reservoirs
- River
- Tributary
- Exposed Roadway Crossing
- Buildings
- Agricultural Land

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

REGION  
**GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

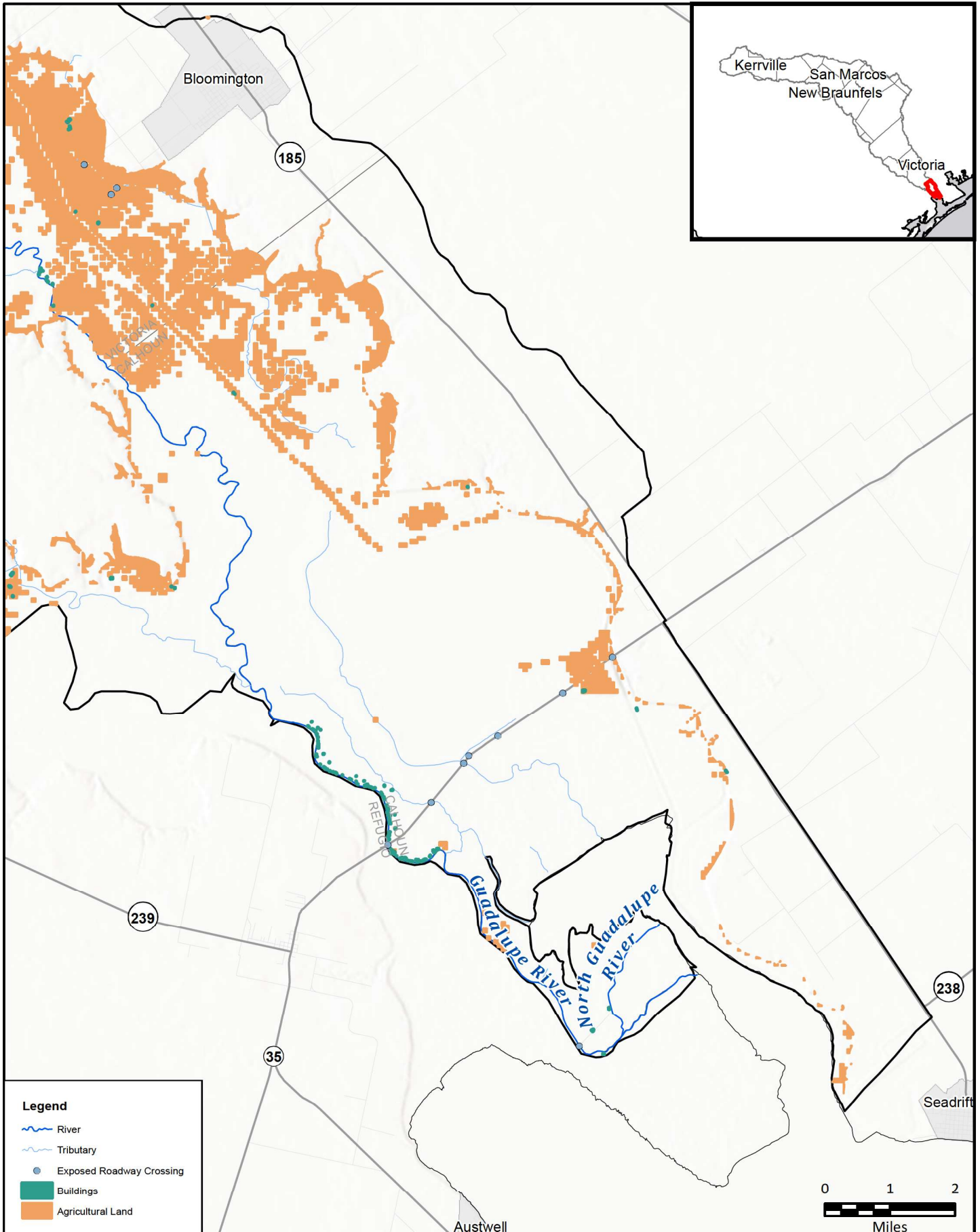
**FRESE AND NICHOLS**  
FRESE AND NICHOLS, INC.  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
**Map 6 - Existing Condition Flood Exposure**  
**Victoria County**



**FIGURE**  
**13 of 14**





**Legend**

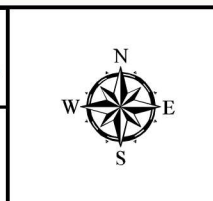
- River
- Tributary
- Exposed Roadway Crossing
- Buildings
- Agricultural Land

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

REGION  
**GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FRESE AND NICHOLS**  
FRESE AND NICHOLS, INC.  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
**Map 6 - Existing Condition Flood Exposure**  
**Calhoun County**

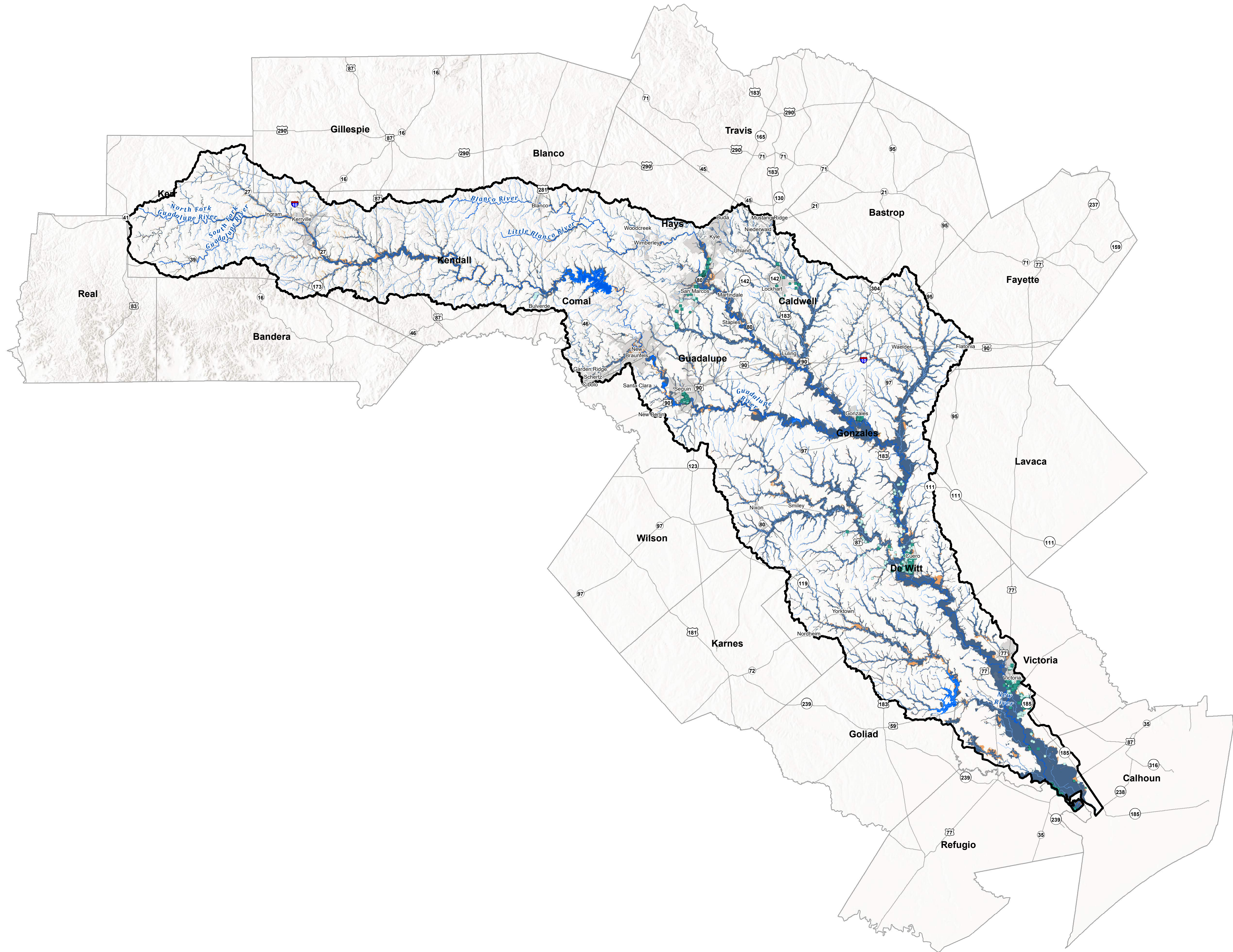


**FIGURE**  
**14 of 14**



**Map 7: Existing Condition Flood Vulnerability  
including Critical Infrastructure**





**Legend**

**Exposed Features with SVI > 0.75**

- Agricultural Bldg
- Commercial Bldg
- Industrial Bldg
- Public Bldg
- Residential Bldg
- Vacant or Unknown Bldg

■ Unknown Flood Hazard

**1.0 Flood Hazard**

- Coastal
- Riverine

**0.2 Flood Hazard**

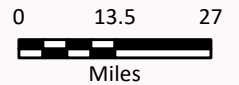
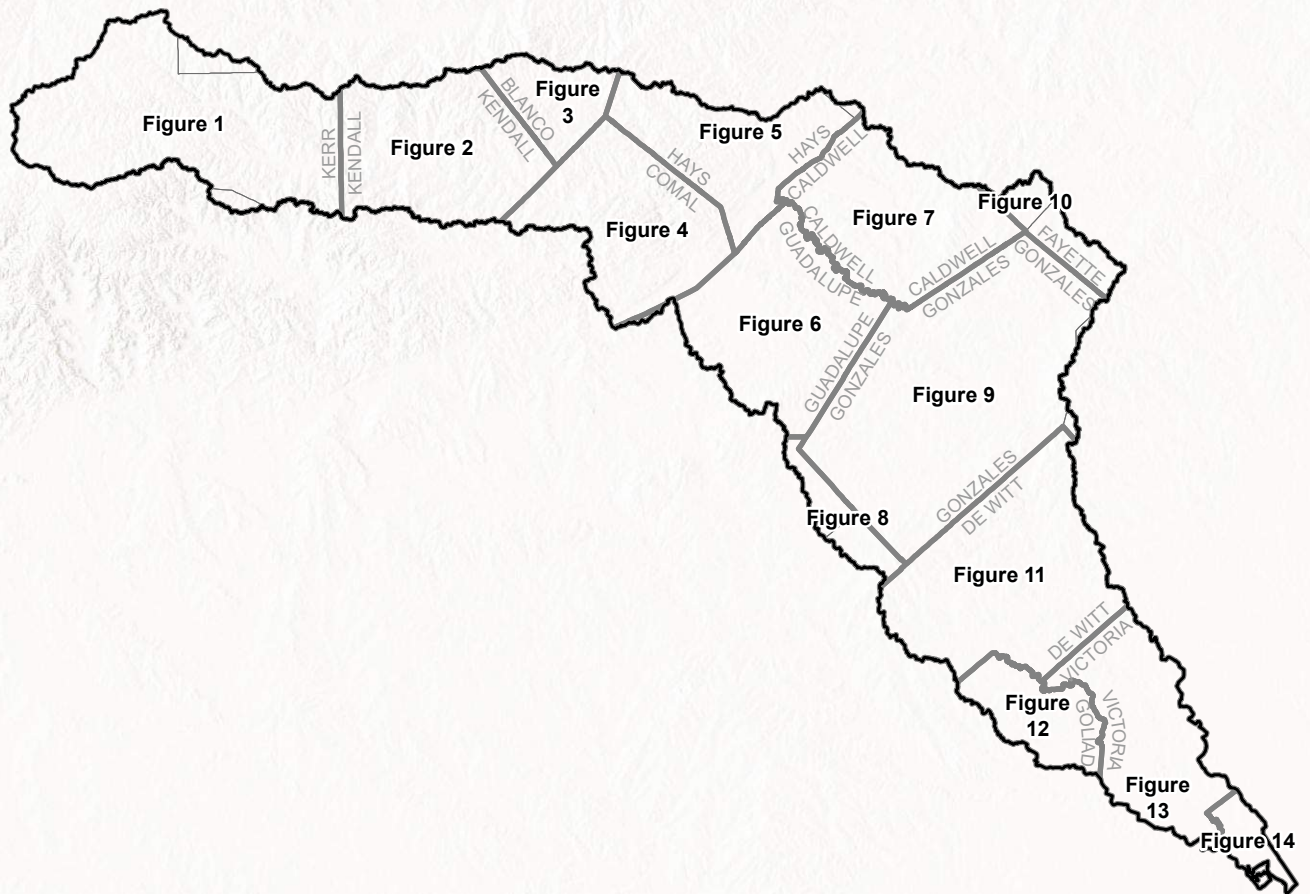
- Riverine

**Map 7 Region - Existing Vulnerability at Critical Facilities**  
 Region 11: Guadalupe

0 4.5 9 Miles

PN JOB NO	GBA21382	<b>Map</b> <b>7</b>
FILE	7_ExistingVulnerabilityRegion	
DATE	1/17/2023	
SCALE	1 in = 9 miles	
DRAFTED	02-405	

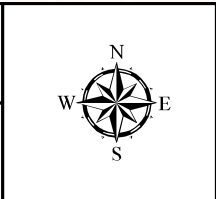




FN PROJECT NO.	GBA21362
DATE CREATED	Date: 1/5/2023
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExVulnerability_Index
PREPARED BY	02405

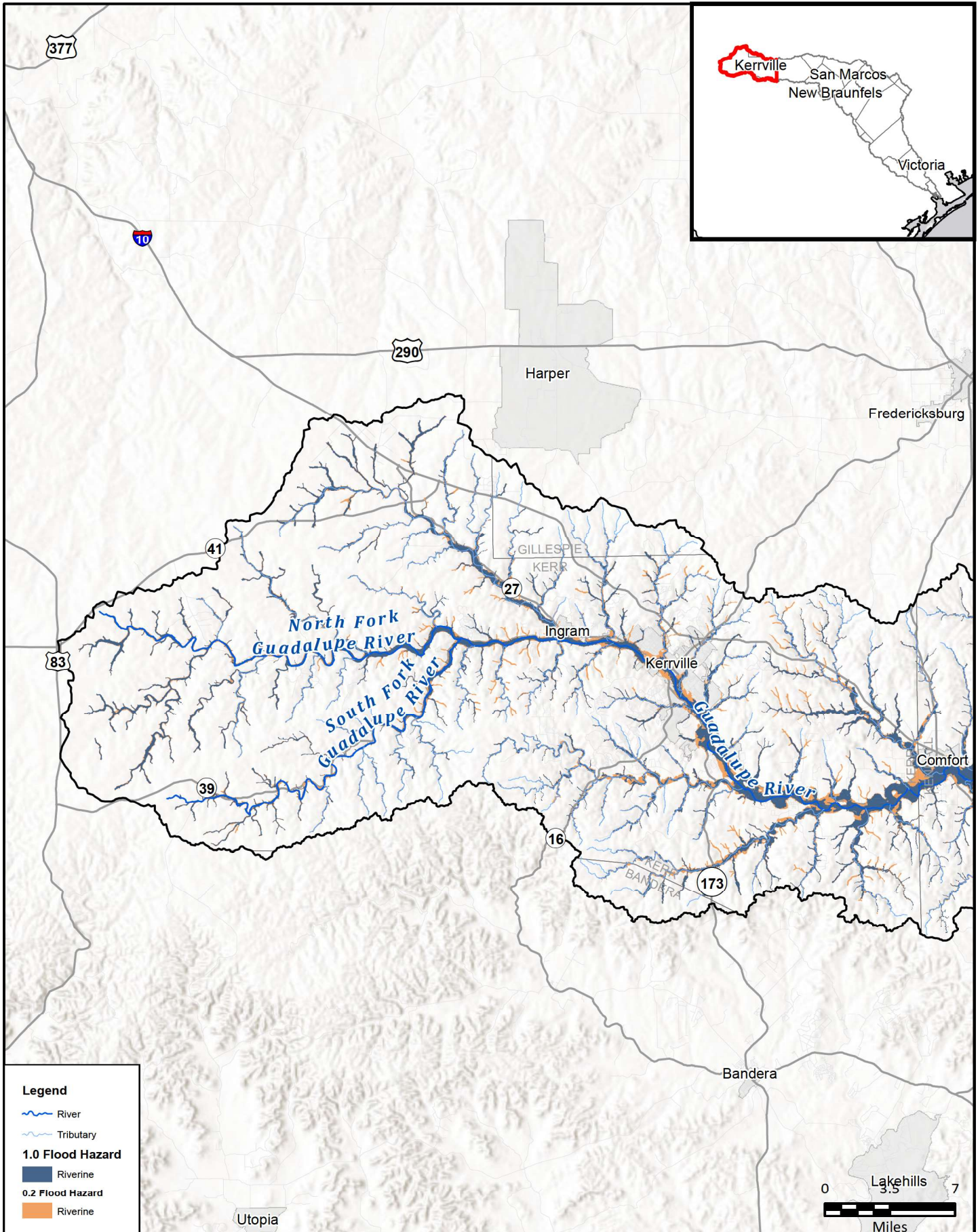
  
**REGION 11 GUADALUPE**  
 REGIONAL FLOOD PLANNING GROUP  
  
**FREESE AND NICHOLS, INC.**  
 10431 MORADO CIRCLE  
 BUILDING 5, SUITE 300  
 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

Region 11: Guadalupe  
 Map 7 Index - Existing Vulnerability  
  
**Index Map**



**FIGURE**  
**Index**





**Legend**

- River
- Tributary
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExVulnerabilityMB
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FRESE AND NICHOLS**  
FRESE AND NICHOLS, INC.  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 7 - Existing Vulnerability

# Kerr County

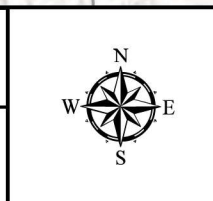
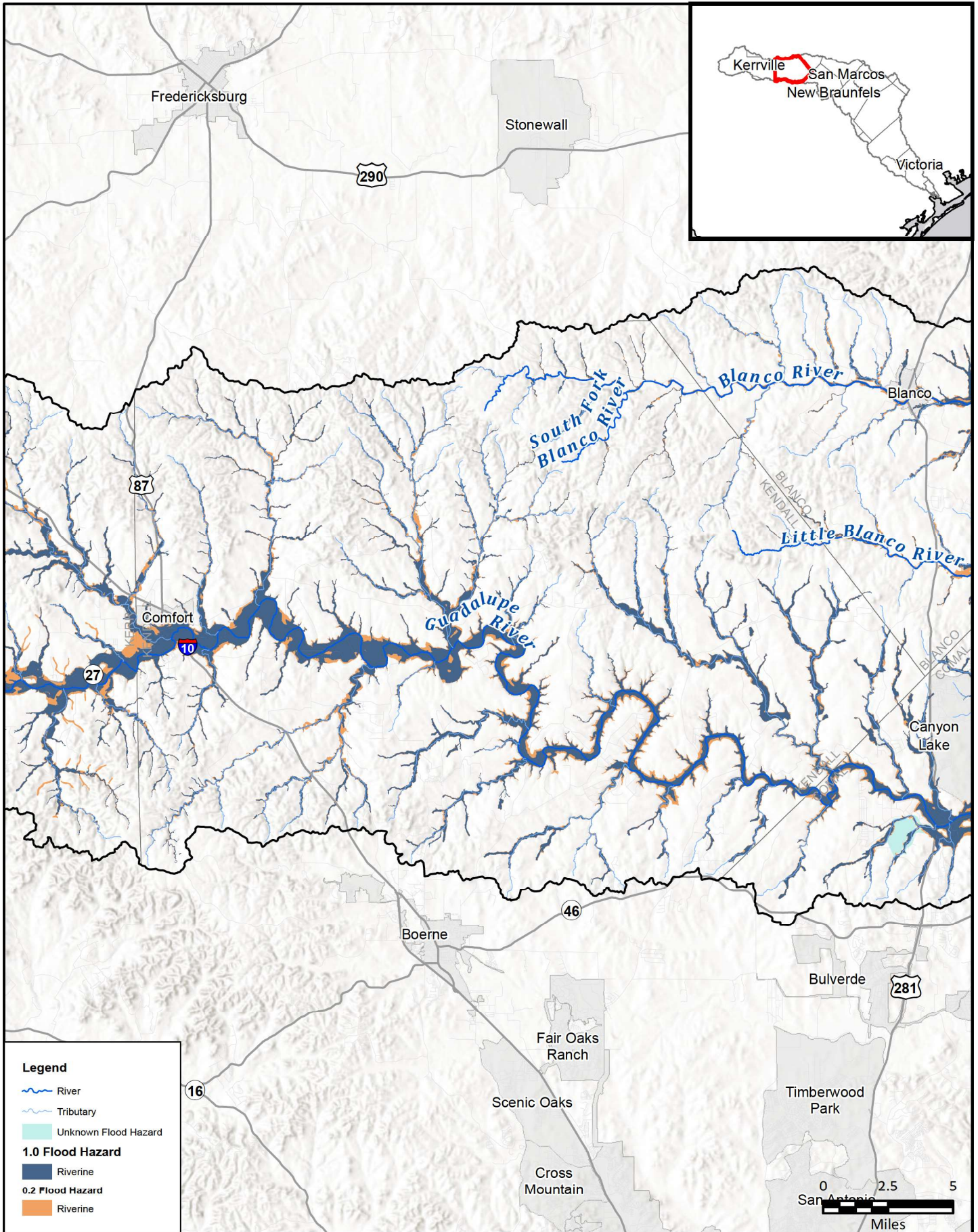


FIGURE  
1 of 14





**Legend**

- River
- Tributary
- Unknown Flood Hazard
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExVulnerabilityMB
PREPARED BY	02405

**REGION GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FREESE AND NICHOLS, INC.**  
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OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 7 - Existing Vulnerability

# Kendall County

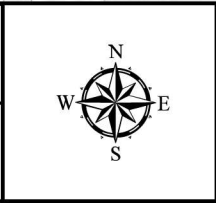
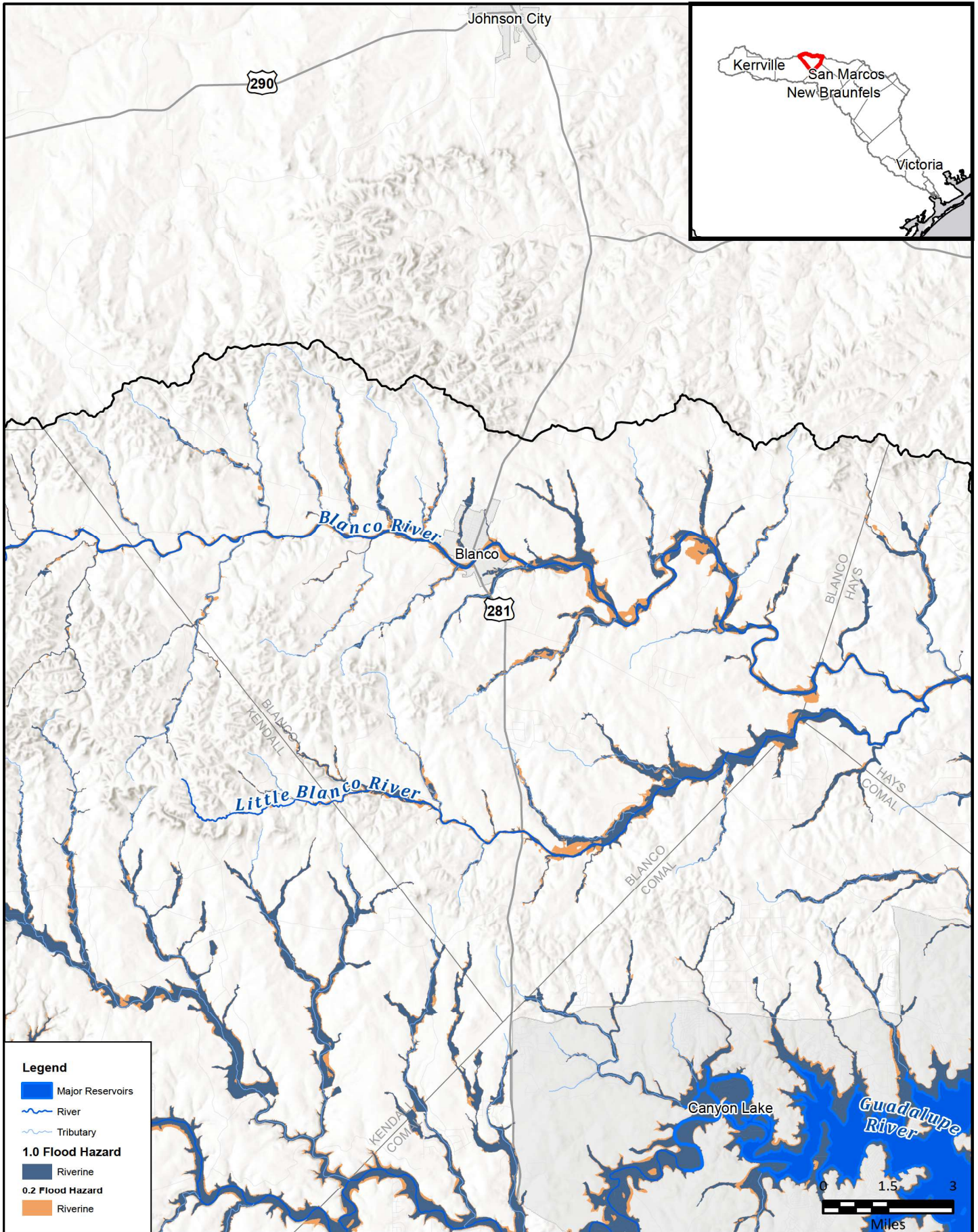


FIGURE  
2 of 14





**Legend**

- Major Reservoirs
- River
- Tributary
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExVulnerabilityMB
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FREESE AND NICHOLS, INC.**  
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AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 7 - Existing Vulnerability

**Blanco County**

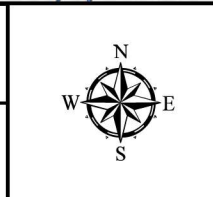
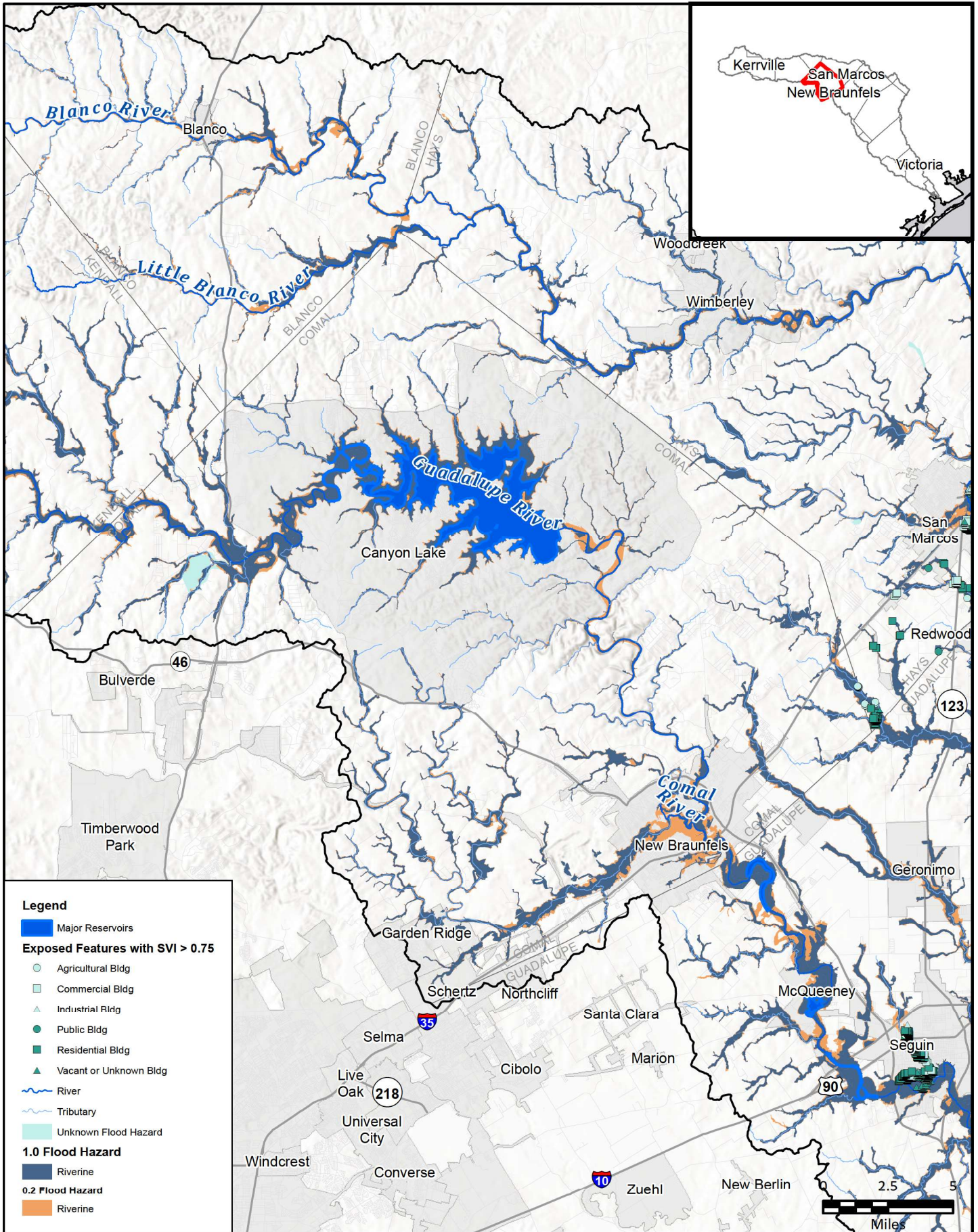


FIGURE  
3 of 14





**Legend**

- Major Reservoirs
- Exposed Features with SVI > 0.75**
- Agricultural Bldg
- Commercial Bldg
- Industrial Bldg
- Public Bldg
- Residential Bldg
- Vacant or Unknown Bldg
- River
- Tributary
- Unknown Flood Hazard
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExVulnerabilityMB
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 7 - Existing Vulnerability

**Comal County**

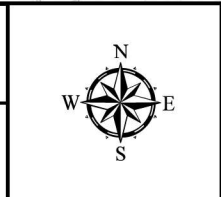
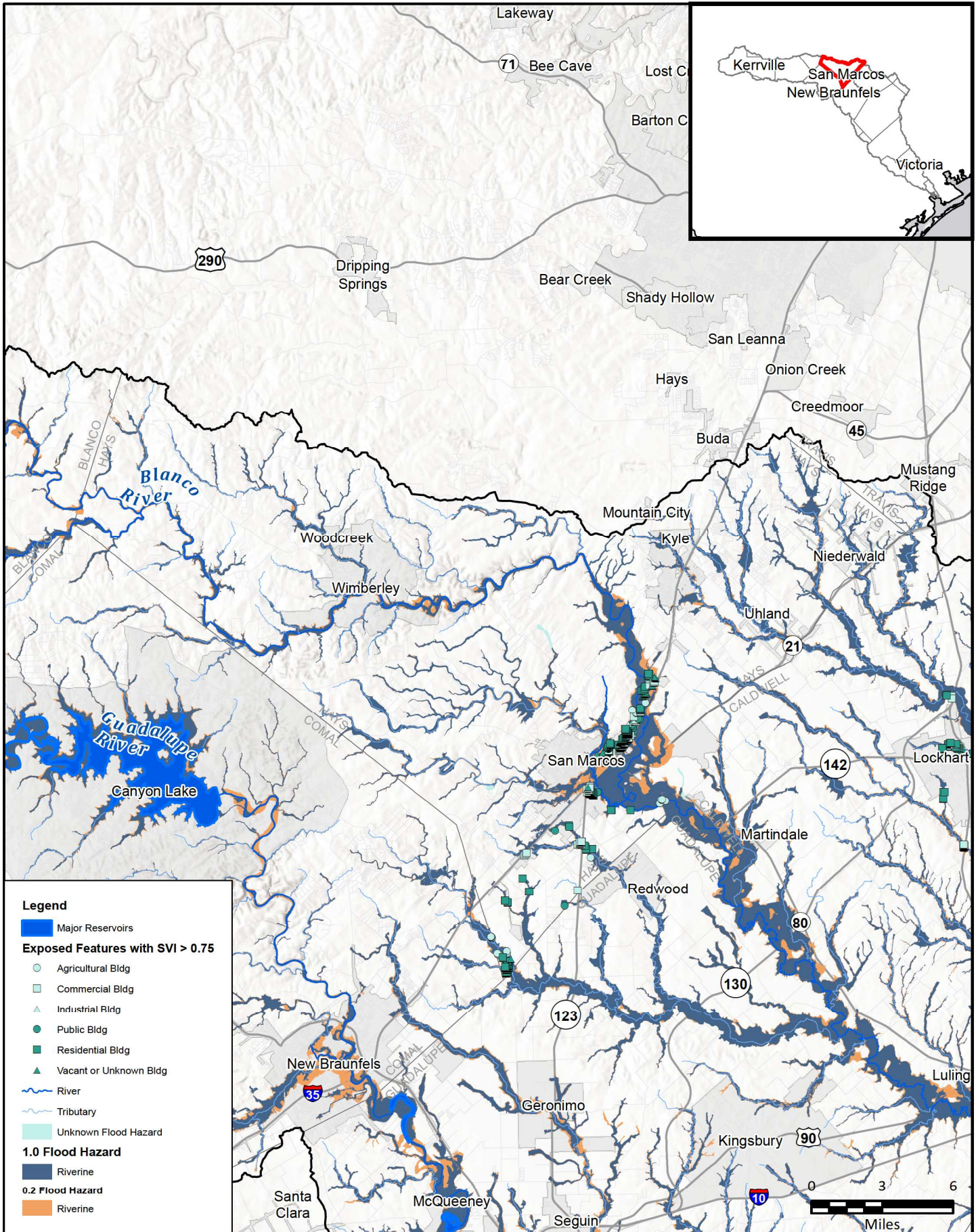


FIGURE  
4 of 14





**Legend**

- Major Reservoirs

**Exposed Features with SVI > 0.75**

- Agricultural Bldg
- Commercial Bldg
- Industrial Bldg
- Public Bldg
- Residential Bldg
- Vacant or Unknown Bldg
- River
- Tributary
- Unknown Flood Hazard

**1.0 Flood Hazard**

- Riverine

**0.2 Flood Hazard**

- Riverine

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExVulnerabilityMB
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**REGION GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FREESE AND NICHOLS, INC.**  
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BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 7 - Existing Vulnerability  
**Hays County**

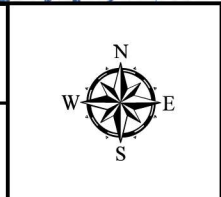
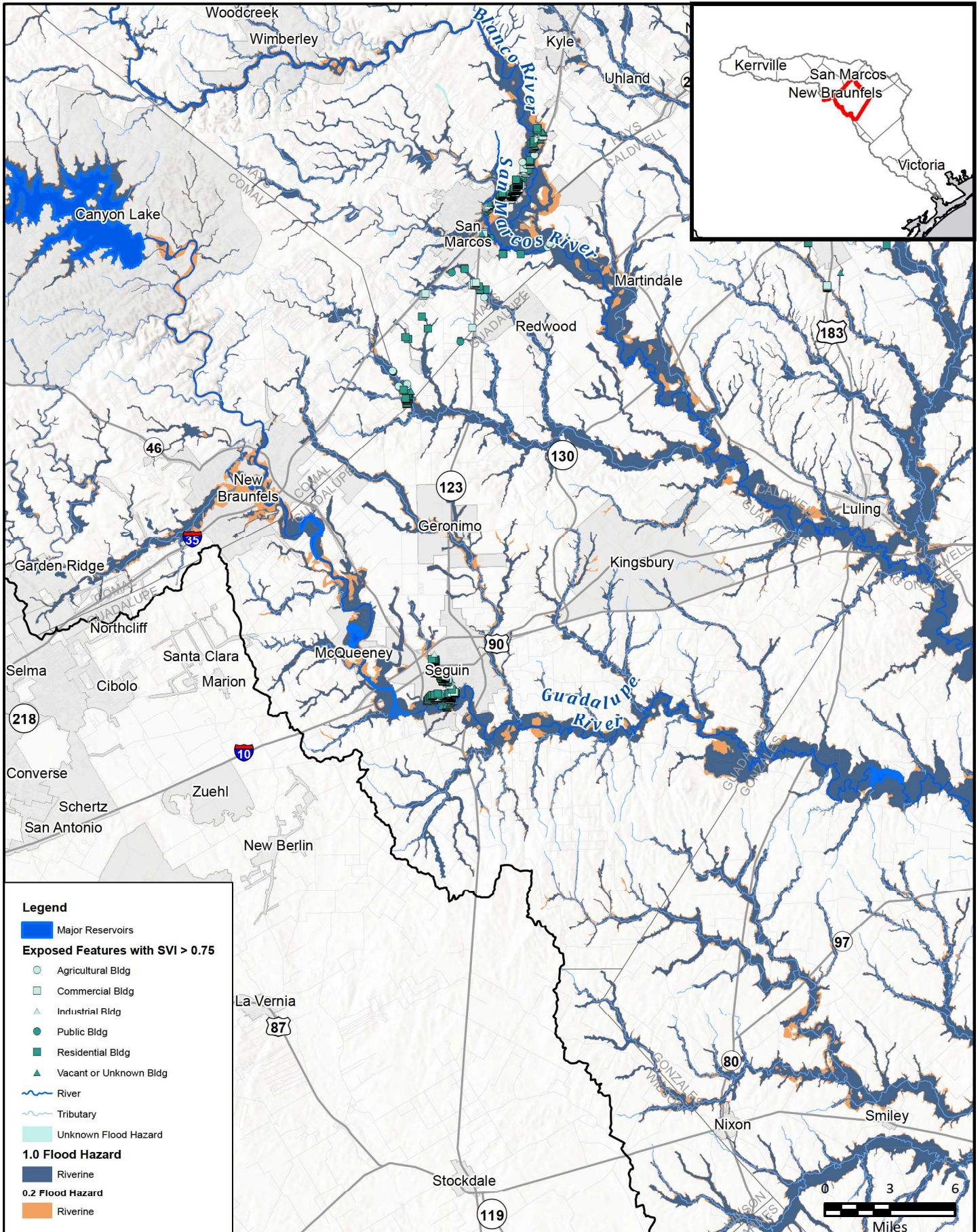


FIGURE  
5 of 14





**Legend**

- Major Reservoirs
- Exposed Features with SVI > 0.75**
- Agricultural Bldg
- Commercial Bldg
- Industrial Bldg
- Public Bldg
- Residential Bldg
- Vacant or Unknown Bldg
- River
- Tributary
- Unknown Flood Hazard
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExVulnerabilityMB
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FREESE & NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 7 - Existing Vulnerability

## Guadalupe County

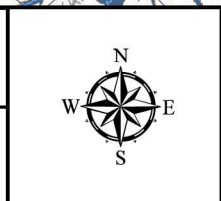
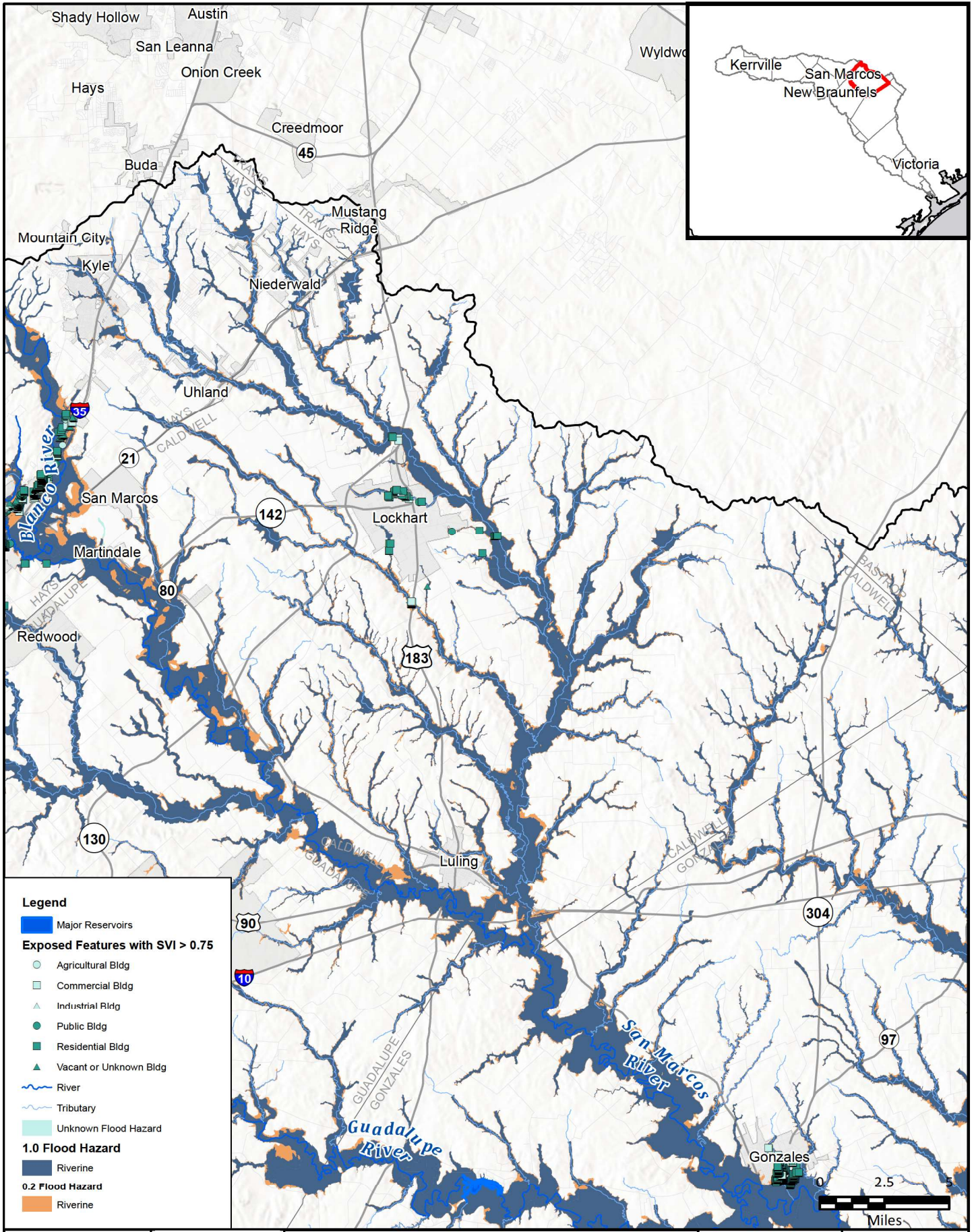


FIGURE  
6 of 14





FN PROJECT NO.	CBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExVulnerabilityMB
PREPARED BY	02405


**REGION 11 GUADALUPE**  
 REGIONAL FLOOD PLANNING GROUP  

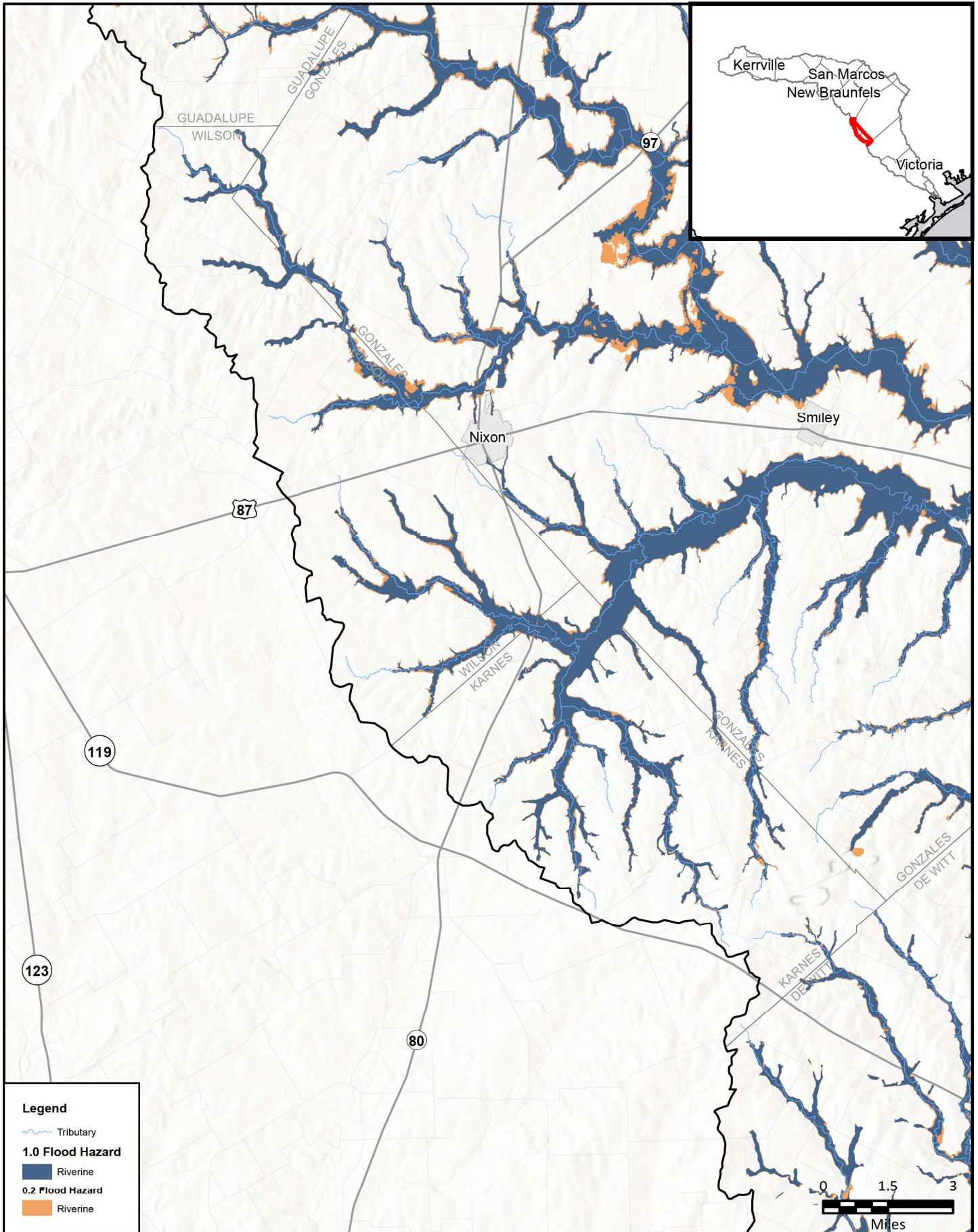
**FREASE AND NICHOLS, INC.**  
 10431 MORADO CIRCLE  
 BUILDING 5, SUITE 300  
 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

Region 11: Guadalupe  
 Map 7 - Existing Vulnerability  
**Caldwell County**



**FIGURE**  
**7 of 14**





**Legend**

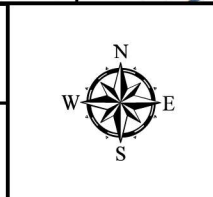
- Tributary
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExVulnerabilityMB
PREPARED BY	02405

**REGION GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

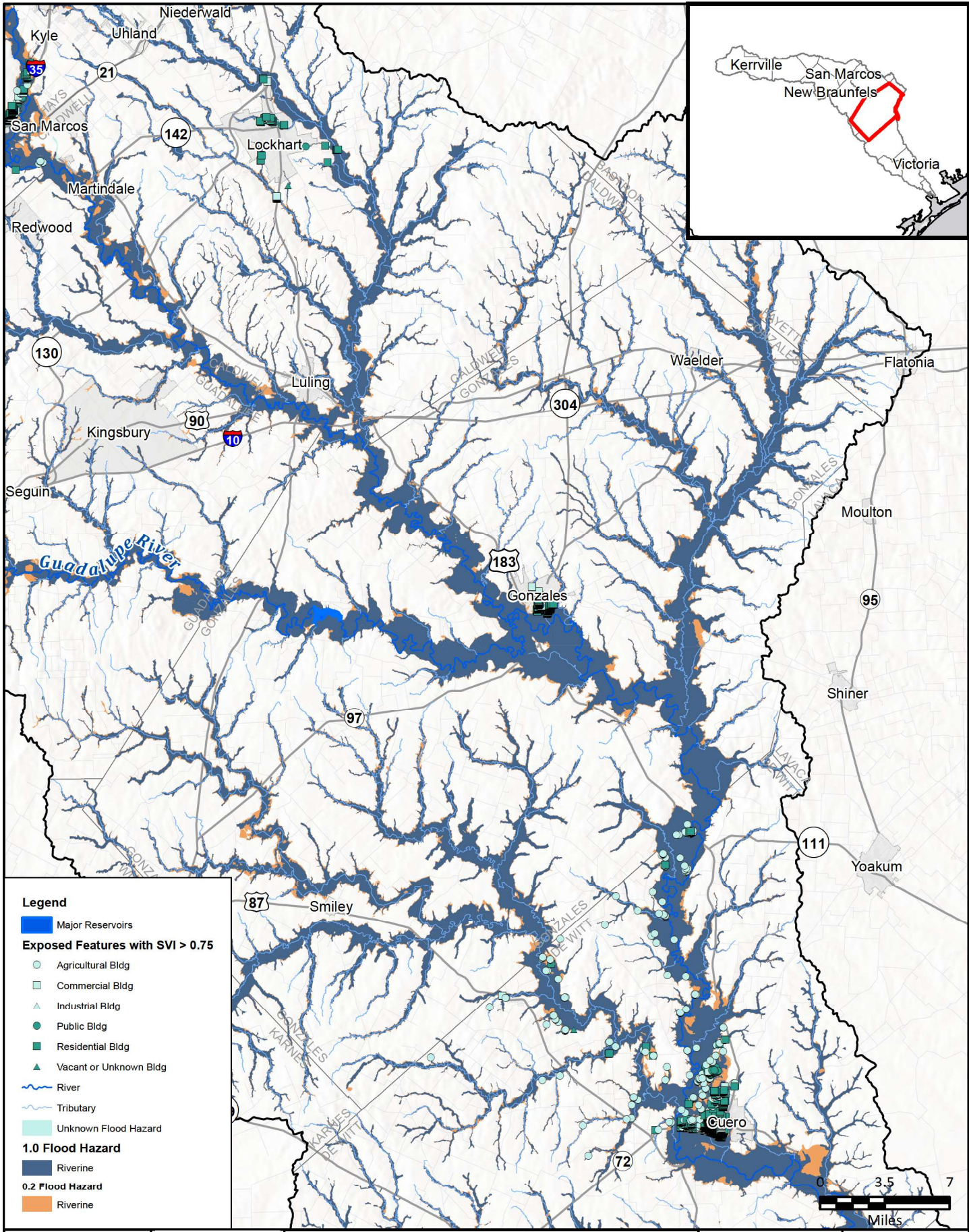
**FRESE AND NICHOLS**  
FRESE AND NICHOLS, INC.  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 7 - Existing Vulnerability  
**Wilson & Karnes Counties**



**FIGURE**  
**8 of 14**





**Legend**

- Major Reservoirs
- Exposed Features with SVI > 0.75**
- Agricultural Bldg
- Commercial Bldg
- Industrial Bldg
- Public Bldg
- Residential Bldg
- Vacant or Unknown Bldg
- River
- Tributary
- Unknown Flood Hazard
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine

FN PROJECT NO.	CBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExVulnerabilityMB
PREPARED BY	02405

**REGION GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FREESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 7 - Existing Vulnerability

## Gonzales County

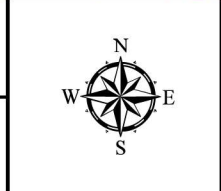
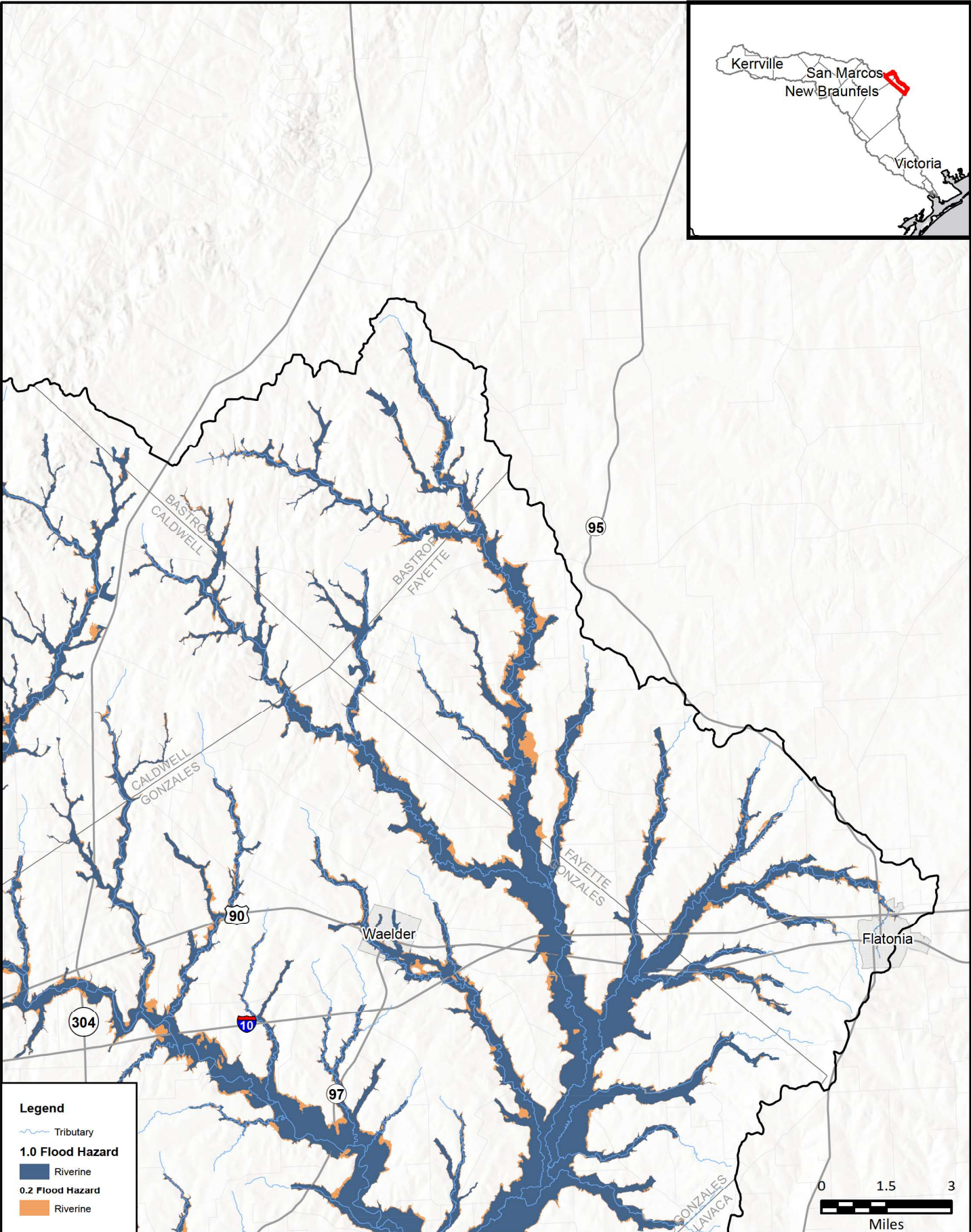
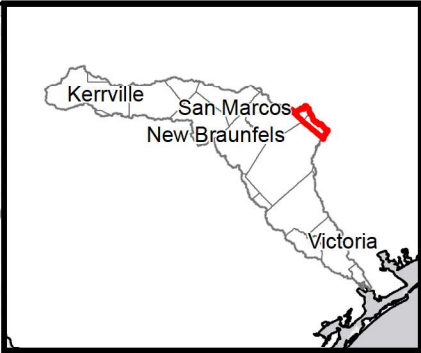


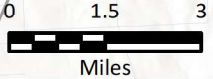
FIGURE  
9 of 14





**Legend**

- Tributary
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExVulnerabilityMB
PREPARED BY	02405

**REGION GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FREASE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 7 - Existing Vulnerability

# Bastrop & Fayette Counties

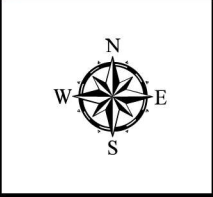
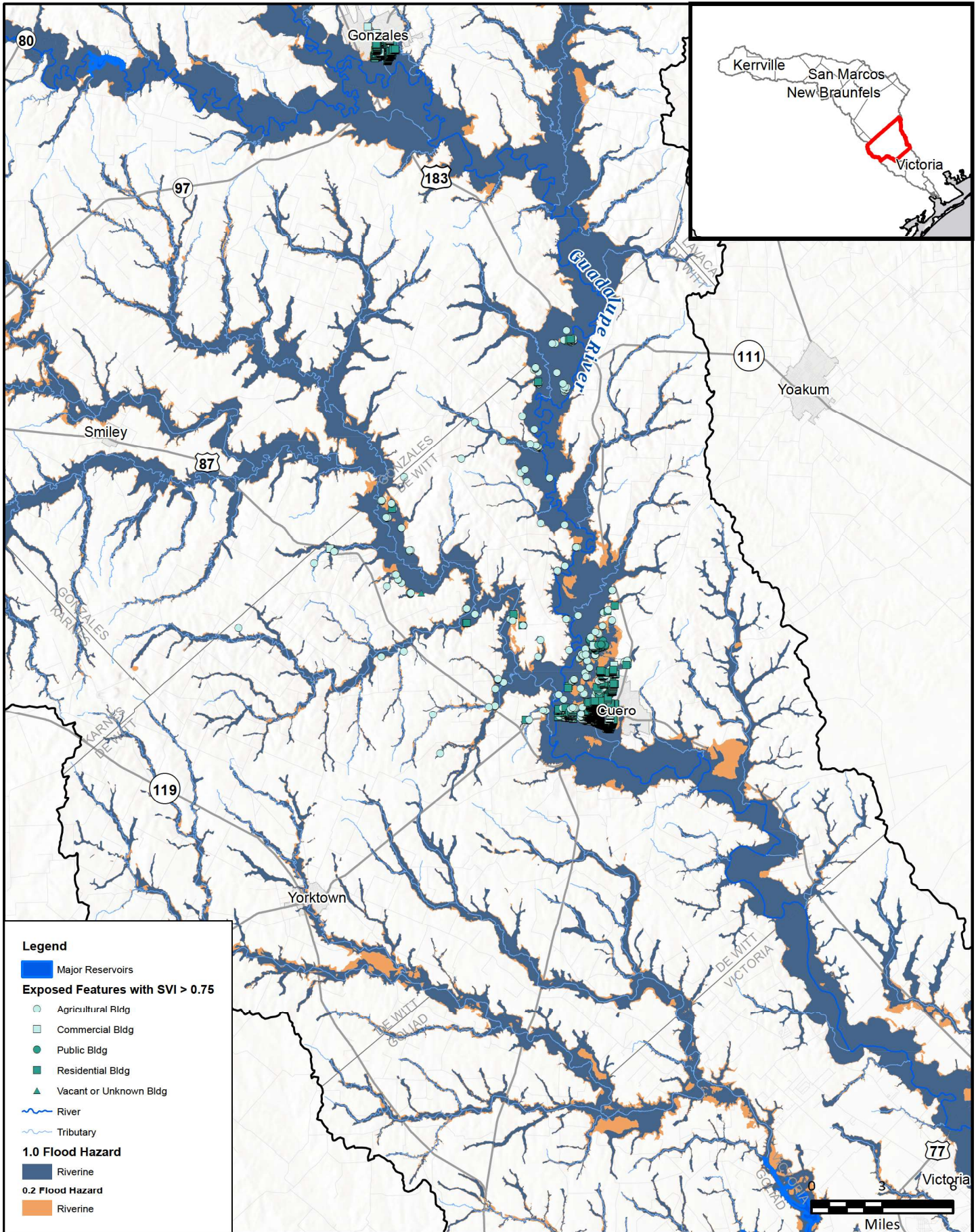


FIGURE  
10 of 14





**Legend**

- Major Reservoirs
- Exposed Features with SVI > 0.75**
- Agricultural Bldg
- Commercial Bldg
- Public Bldg
- Residential Bldg
- Vacant or Unknown Bldg
- River
- Tributary
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExVulnerabilityMB
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FRESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 7 - Existing Vulnerability  
**De Witt County**

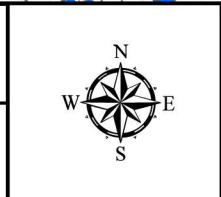
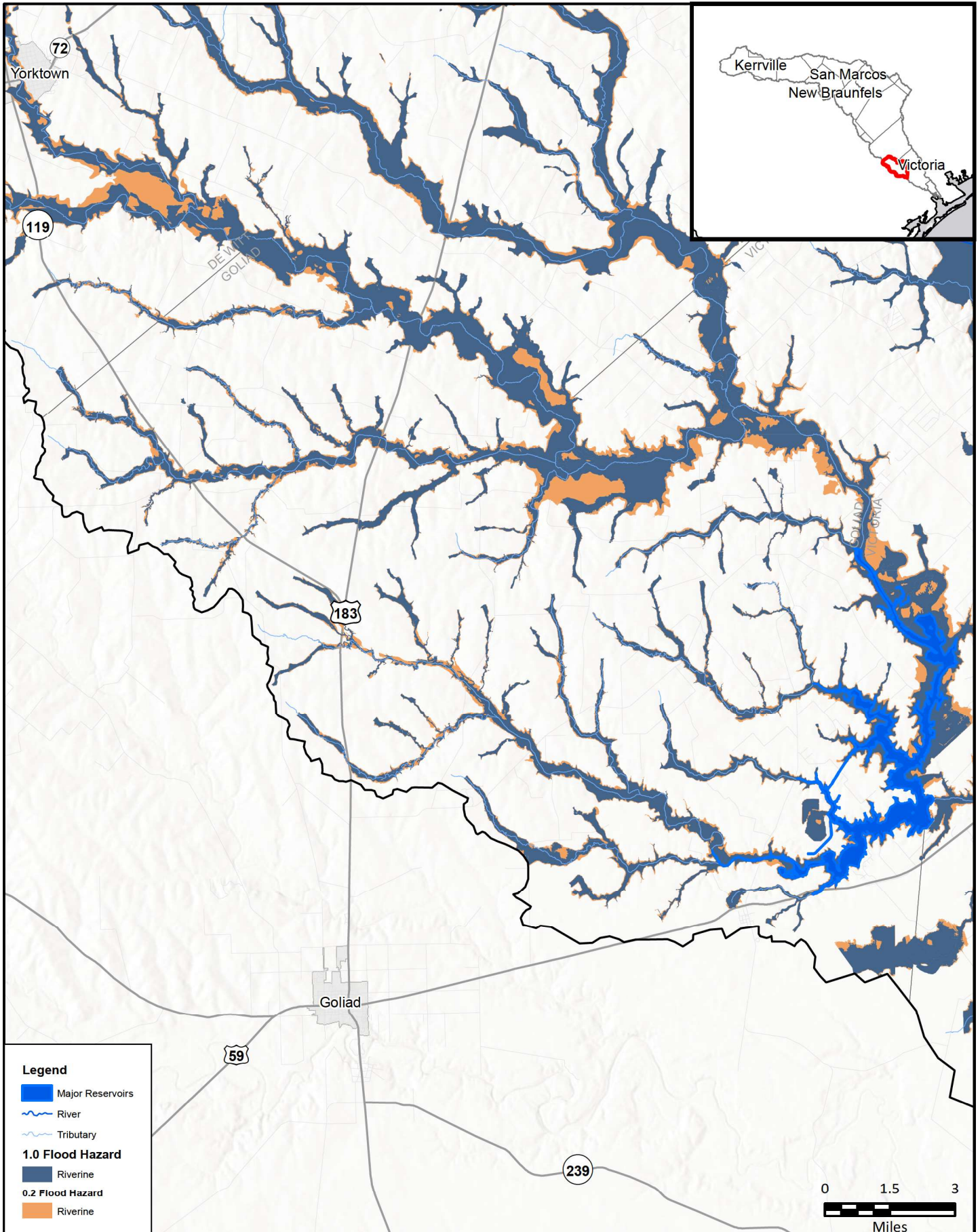


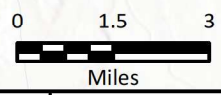
FIGURE  
11 of 14





**Legend**

- Major Reservoirs
- River
- Tributary
- 1.0 Flood Hazard Riverine
- 0.2 Flood Hazard Riverine



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExVulnerabilityMB
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FRESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 7 - Existing Vulnerability

## Goliad County

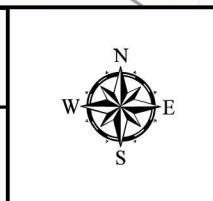
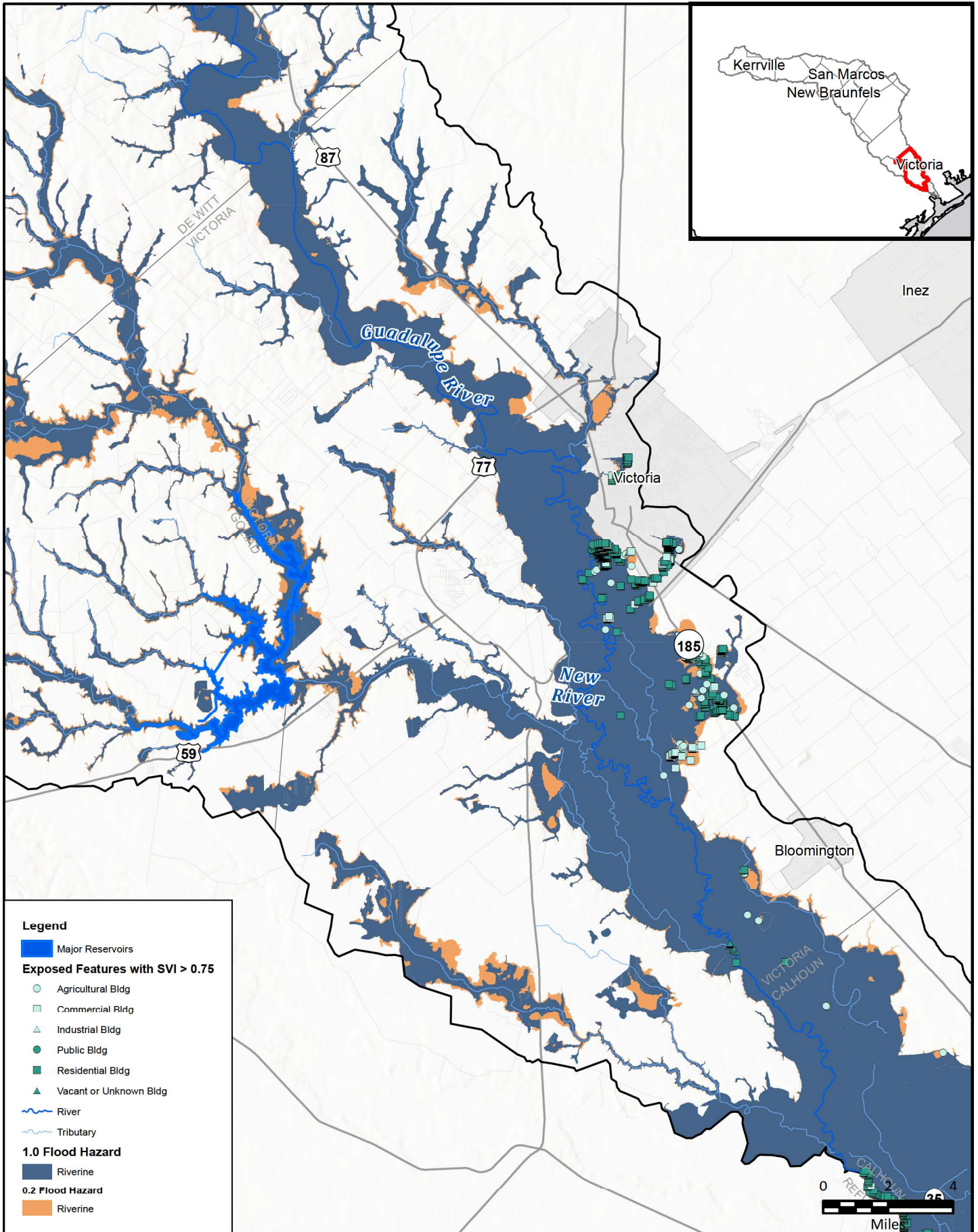


FIGURE  
12 of 14





**Legend**

- Major Reservoirs
- Exposed Features with SVI > 0.75**
- Agricultural Bldg
- Commercial Bldg
- Industrial Bldg
- Public Bldg
- Residential Bldg
- Vacant or Unknown Bldg
- River
- Tributary
- 1.0 Flood Hazard**
- Riverine
- 0.2 Flood Hazard**
- Riverine

FN PROJECT NO.	GBA21362
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DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExVulnerabilityMB
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REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FREASE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
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AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 7 - Existing Vulnerability

## Victoria County

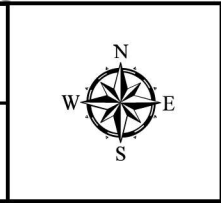
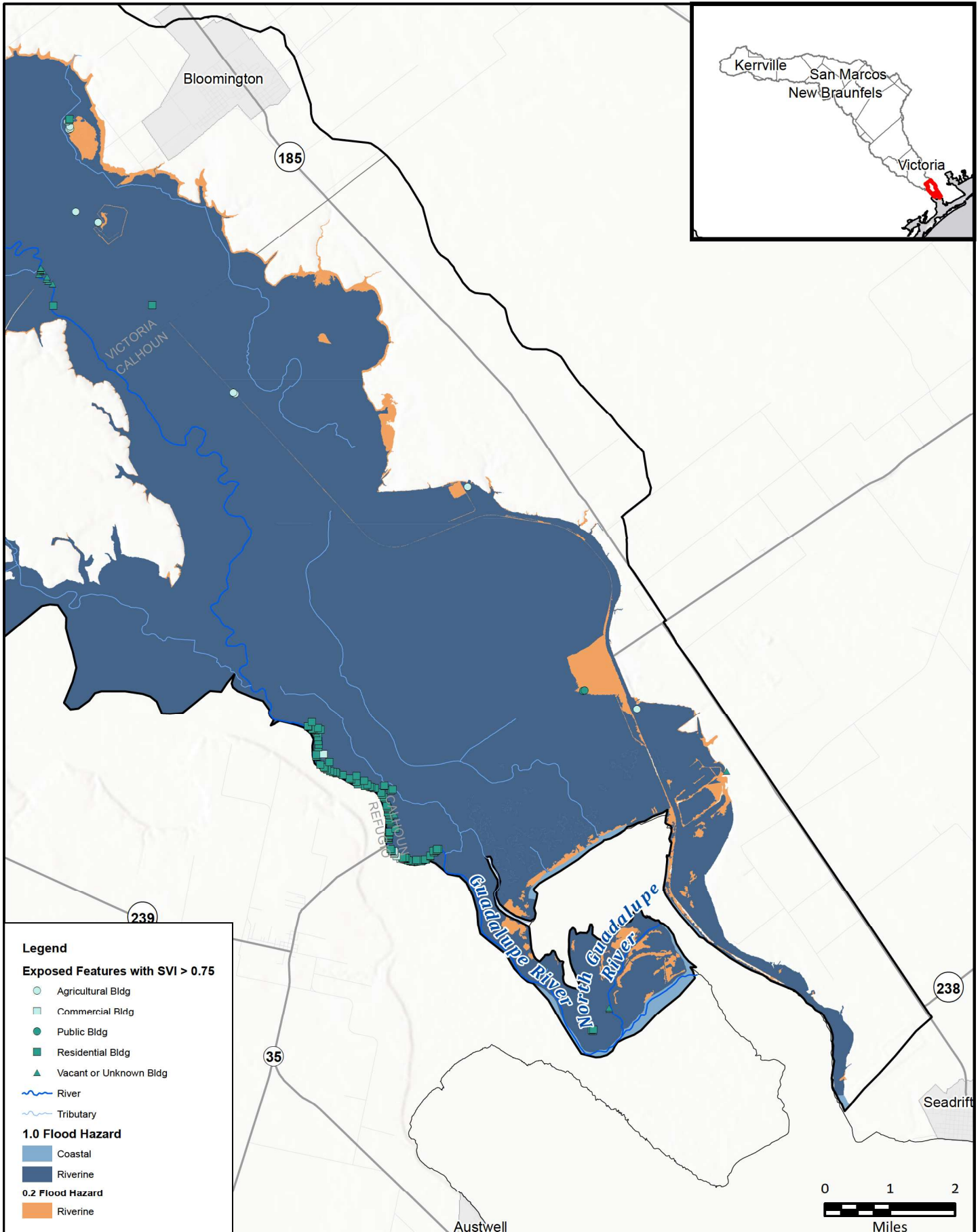


FIGURE  
13 of 14





**Legend**

**Exposed Features with SVI > 0.75**

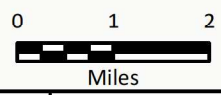
- Agricultural Bldg
- Commercial Bldg
- Public Bldg
- Residential Bldg
- ▲ Vacant or Unknown Bldg
- River
- Tributary

**1.0 Flood Hazard**

- Coastal
- Riverine

**0.2 Flood Hazard**

- Riverine



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExVulnerabilityMB
PREPARED BY	02405

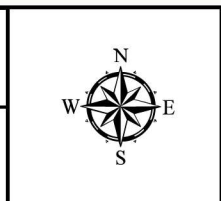
REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FREES AND NICHOLS**

**FREES AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 7 - Existing Vulnerability

# Calhoun County



**FIGURE**  
**14 of 14**