



# 2023 Regional Flood Plan Appendices

Region 11 / Guadalupe

DRAFT August 2022

---

# List of Appendices

- 1-A List of Previous Studies Considered for Development of the Regional Flood Plan
- 1-A **Map 1:** Existing Flood Infrastructure
- 1-A **Table 1:** Existing flood infrastructure summary table
- 1-A **Map 3:** Non-Functional or Deficient Flood Mitigation Features or Infrastructure
- 1-B **Map 2:** Proposed or Ongoing Flood Mitigation Projects
- 1-B **Table 2:** Summary of proposed or ongoing flood mitigation projects
- 2-A **Map 4:** Existing Condition Flood Hazard
- 2-A **Table 3:** Existing condition flood risk summary table (by county)
- 2-A **Map 5:** Existing Condition Flood Hazard - Gaps in Inundation Boundary Mapping including Identification of Known Flood-Prone Areas
- 2-A **Map 6:** Existing Condition Flood Exposure
- 2-A **Map 7:** Existing Condition Flood Vulnerability including Critical Infrastructure
- 2-B **Map 8:** Future Condition Flood Hazard
- 2-B **Table 5:** Future condition flood risk summary table, by county
- 2-B **Map 9:** Future Condition Flood Hazard - Gaps in Inundation Boundary Mapping including Identification of Known Flood-Prone Areas
- 2-B **Map 10:** Extent of Increase of Flood Hazard Compared to Existing Condition
- 2-B **Map 11:** Future Condition Flood Exposure
- 2-B **Map 12:** Future Condition Flood Vulnerability including Critical Infrastructure
- 2-C List of Existing Hydrologic and Hydraulic Models
- 2-C **Map 22:** Model Coverage

- 3-A **Map 13:** Floodplain Management
- 3-A **Table 6:** Existing floodplain management practices
- 3-B **Table 11:** Regional flood plan flood mitigation and floodplain management goals
- 4-A **Map 14:** Greatest Gaps in Flood Risk Information
- 4-A **Map 15:** Greatest Flood Risk
- 4-B **Map 16:** Extent of Potential Flood Management Evaluations and Existing Mapping Needs
- 4-B **Map 17:** Extent of Potential Flood Mitigation Projects
- 4-B **Map 18:** Extent of Potential Flood Management Strategies
- 4-B **Table 12:** Potential flood management evaluations identified by RFPG
- 4-B **Table 13:** Potentially feasible flood mitigation projects identified by RFPG
- 4-B **Table 14:** Potentially feasible flood management strategies identified by RFPG
- 5-A **Map 19:** Recommended Flood Management Evaluations
- 5-A **Map 20:** Recommended Flood Mitigation Projects
- 5-A **Map 21:** Recommended Flood Management Strategies
- 5-A **Table 15:** Flood management evaluations recommended by RFPG
- 5-A **Table 16:** Potentially feasible flood mitigation projects recommended by RFPG
- 5-A **Table 17:** Potentially feasible flood management strategies recommended by RFPG
- 5-B FME, FMS, FMP One Pagers
- 9-A **Table 19:** FME, FMS, FMP Funding Survey
- 10-A Summary Memorandum of Pre-Planning Meeting, August 4, 2021
- 10-B Guadalupe RFPG Stakeholder Survey Form

- 10-C Public Comments
- 10-D Notice and Documentation of September 7, 2022 Public Hearing on Draft Flood Plan
- 10-E Public Comments from September 7, 2022 Public Hearing on Draft Flood Plan
- 10-F Responses to Public Comments from September 7, 2022 Public Hearing on Draft Flood Plan
- 10-G State Agency Comments on Draft Flood Plan
- 10-H Response to Stage Agency Comments on Draft Flood Plan
- 10-I Public Involvement Plan

## **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

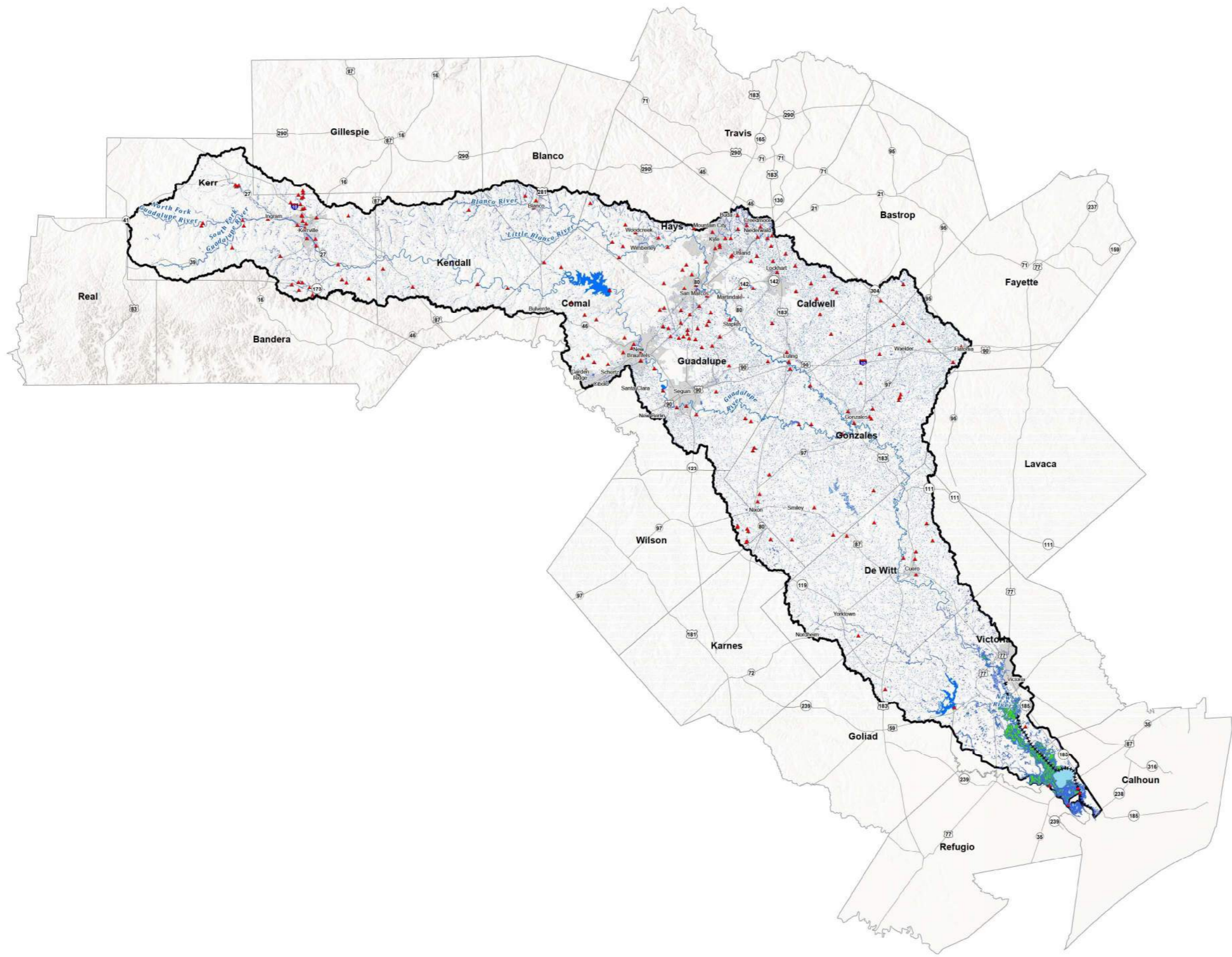
<b>Title</b>	<b>Study Area</b>	<b>Sponsor</b>	<b>Year</b>
<b>Fayette County Multi-Jurisdictional Hazard Mitigation Plan Update</b>	Fayette County, City of Carmine, City of Flatonia, City of LaGrange	Texas Colorado River Floodplain Coalition	2011
<b>Gillespie County FIS</b>	Gillespie County	FEMA	2001
<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**

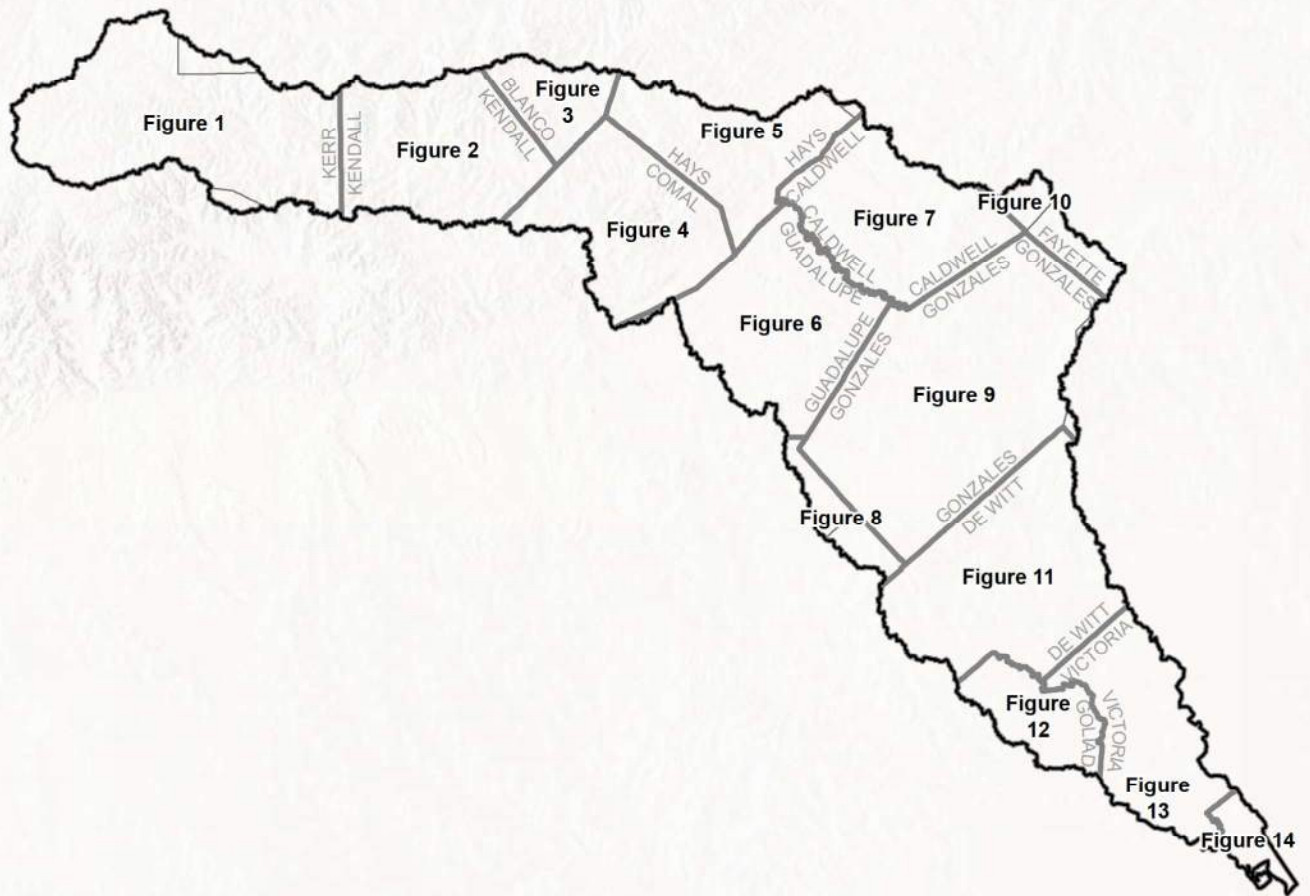


**Legend**


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

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

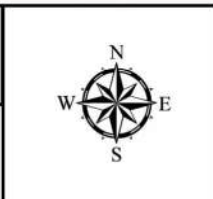
0	4.5	9	Miles
IN JOB NO	GRA21302	<b>Map</b>	
FILE	1_FloodInfraRegion	<b>1</b>	
DATE	7/20/2023		
SCALE	1 in = 9 miles		
DRAFTED	GRAS		



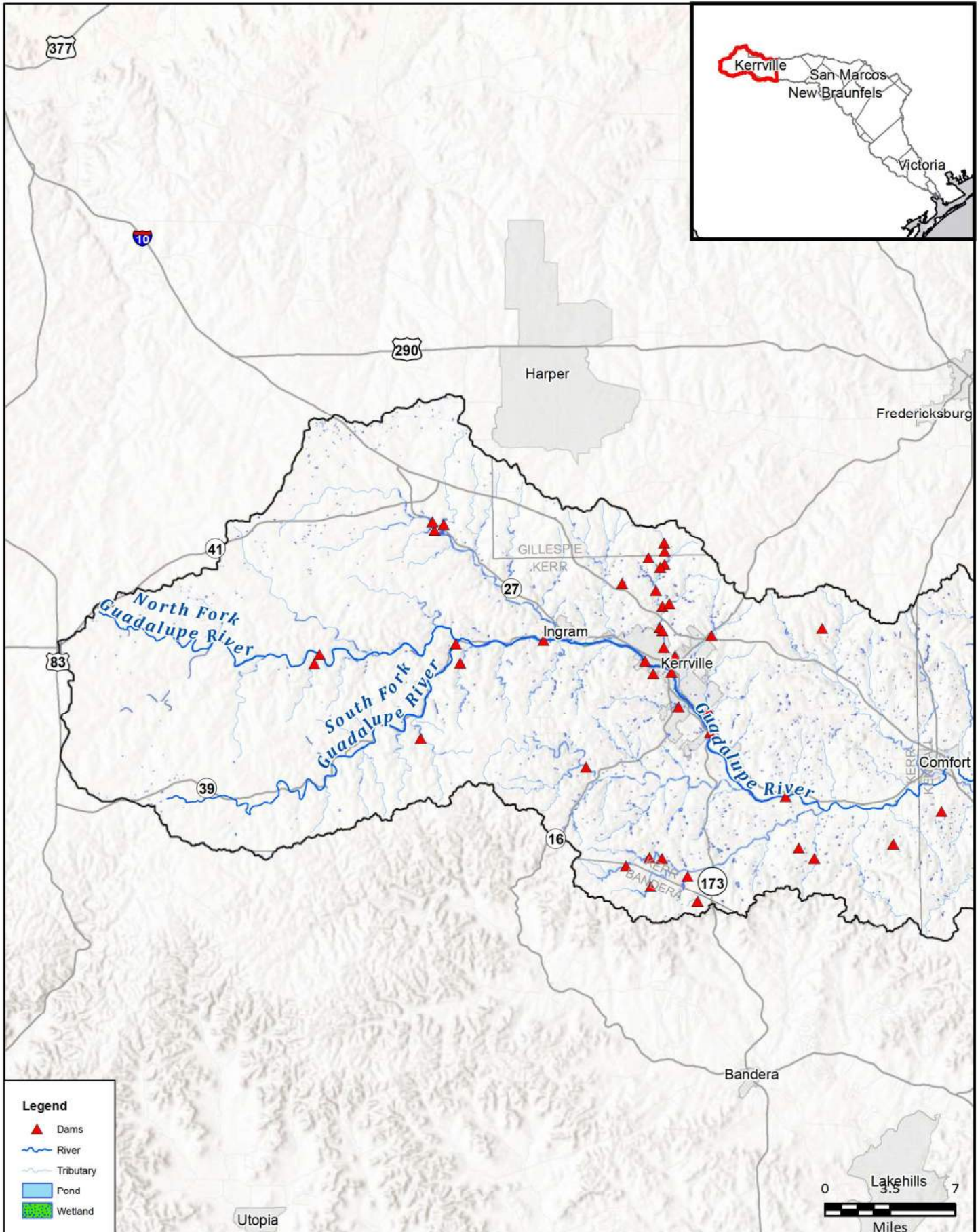
FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/20/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 1_FloodInfra_Index
PREPARED BY	02405

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

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



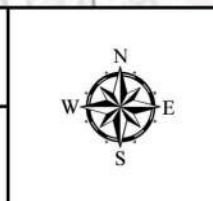
**FIGURE**  
**Index**



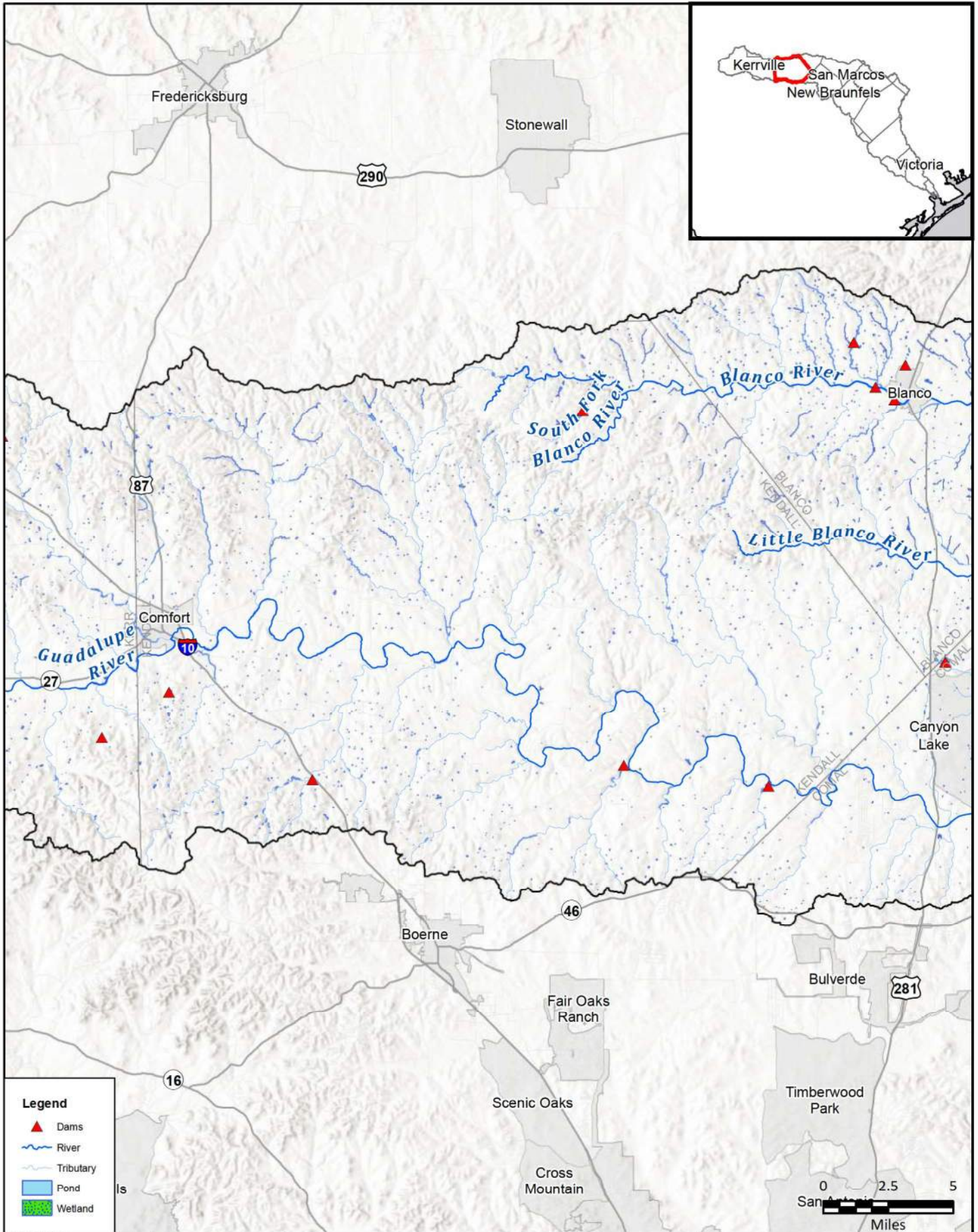
FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 1_FloodInfraMapbook
PREPARED BY	02405

  
**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**  
  
**Kerr County**



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



FN PROJECT NO.	GBA21362
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

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FRESE AND NICHOLS**

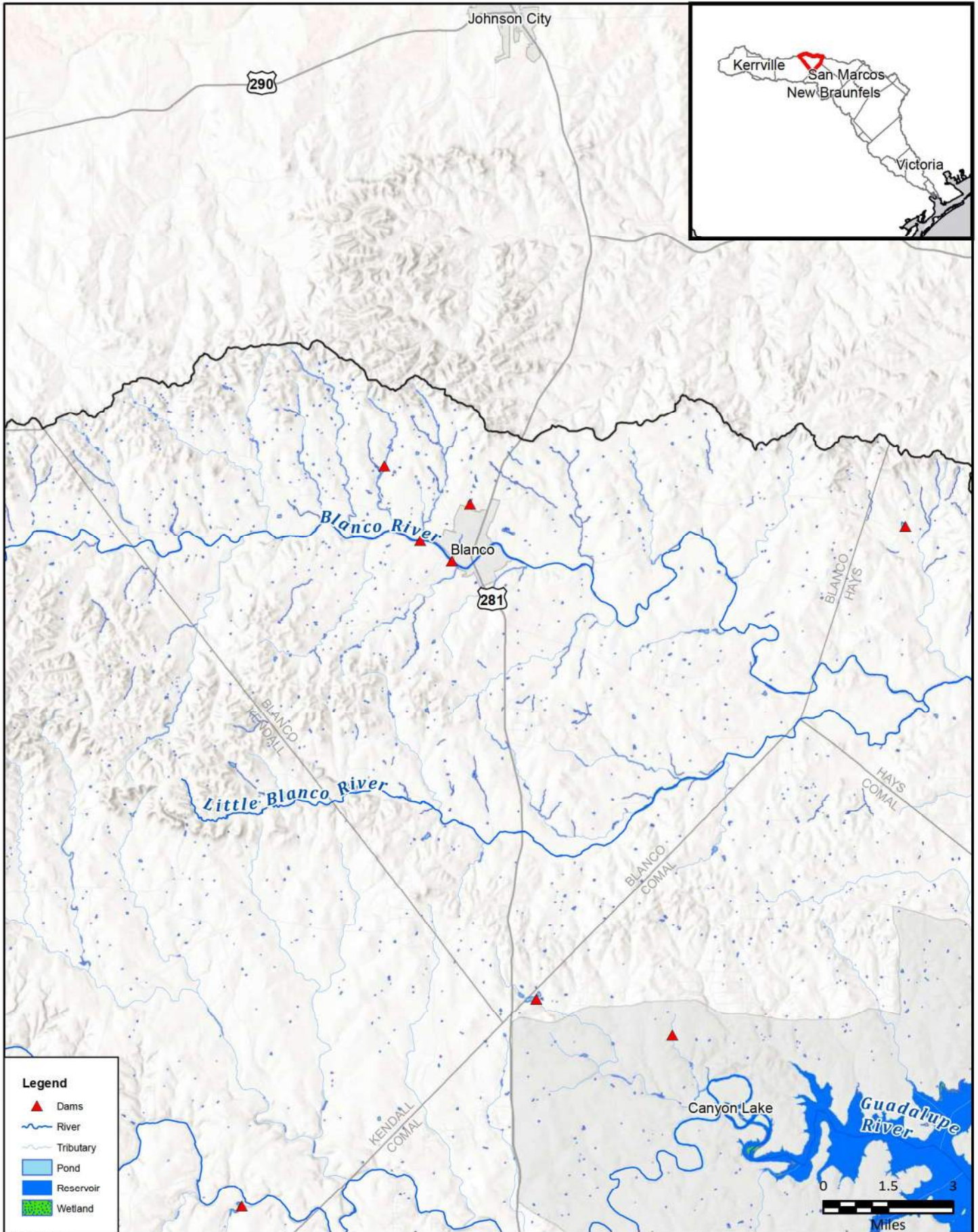
**FRESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 1 - Existing Flood Infrastructure

## Kendall County



FIGURE  
2 of 14



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

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

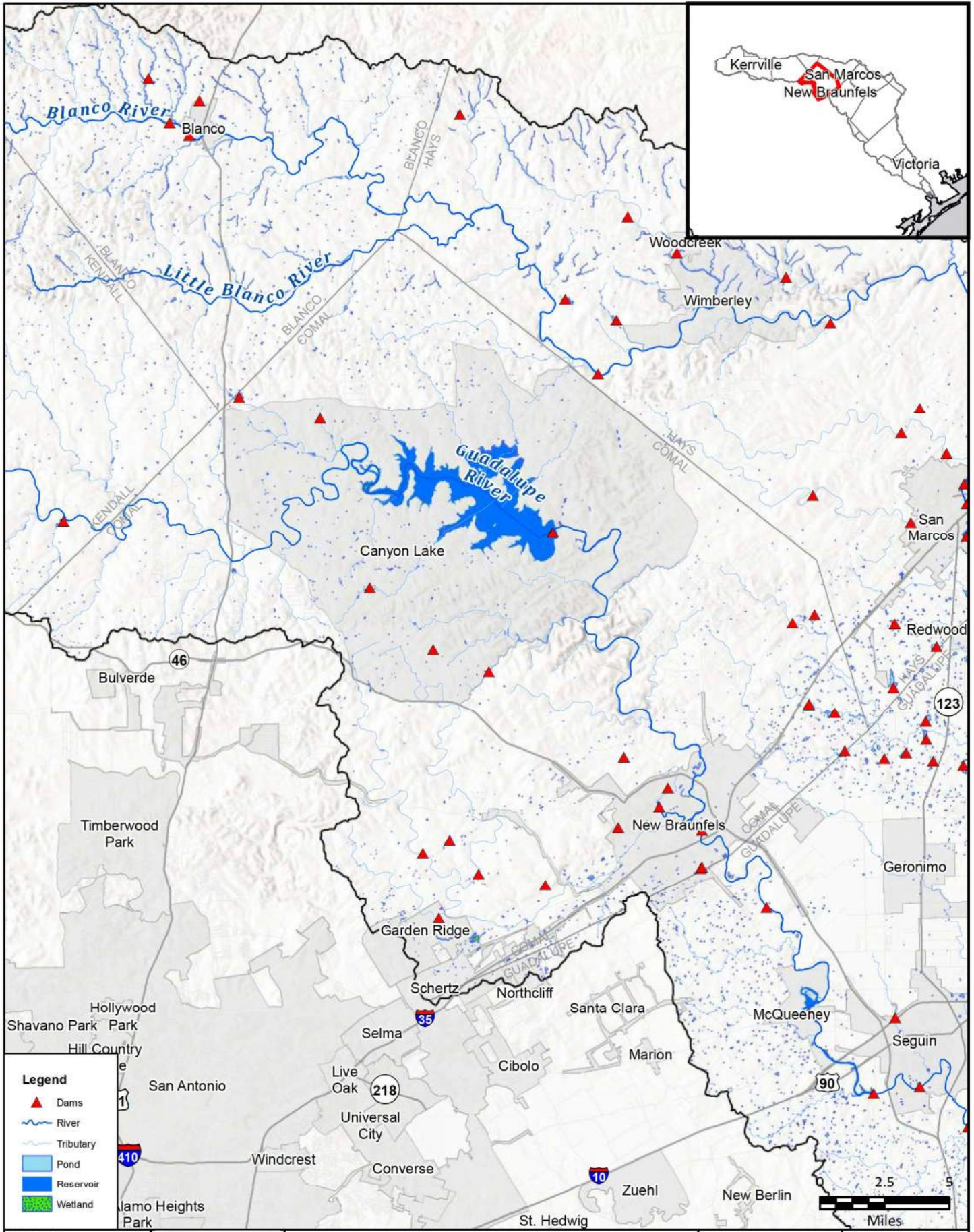
Region 11: Guadalupe  
Map 1 - Existing Flood Infrastructure

## Blanco County



FIGURE  
3 of 14





**Legend**

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

FN PROJECT NO.	GBA21362
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

**REGION GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

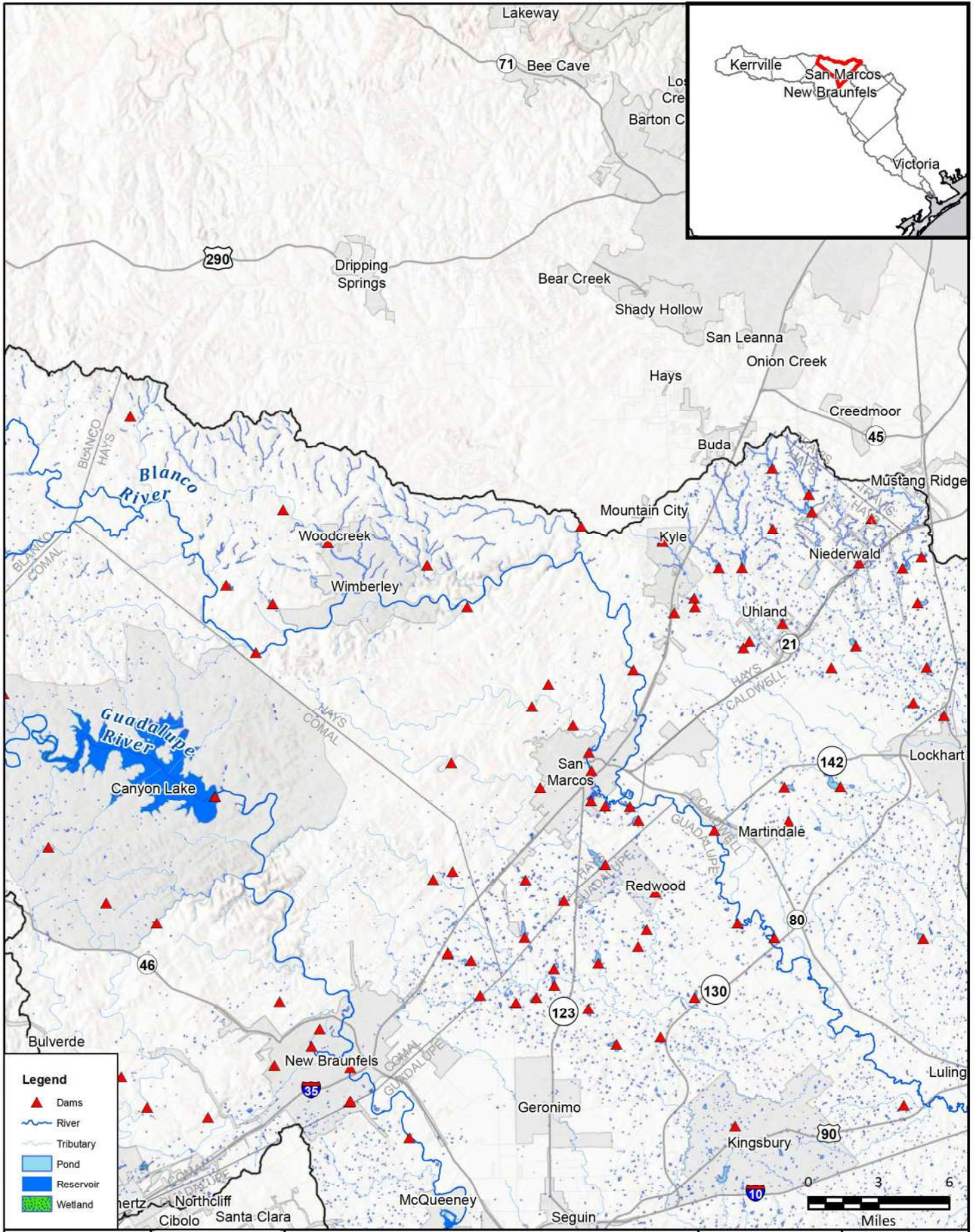
**FRESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 1 - Existing Flood Infrastructure

**Comal County**



FIGURE  
4 of 14



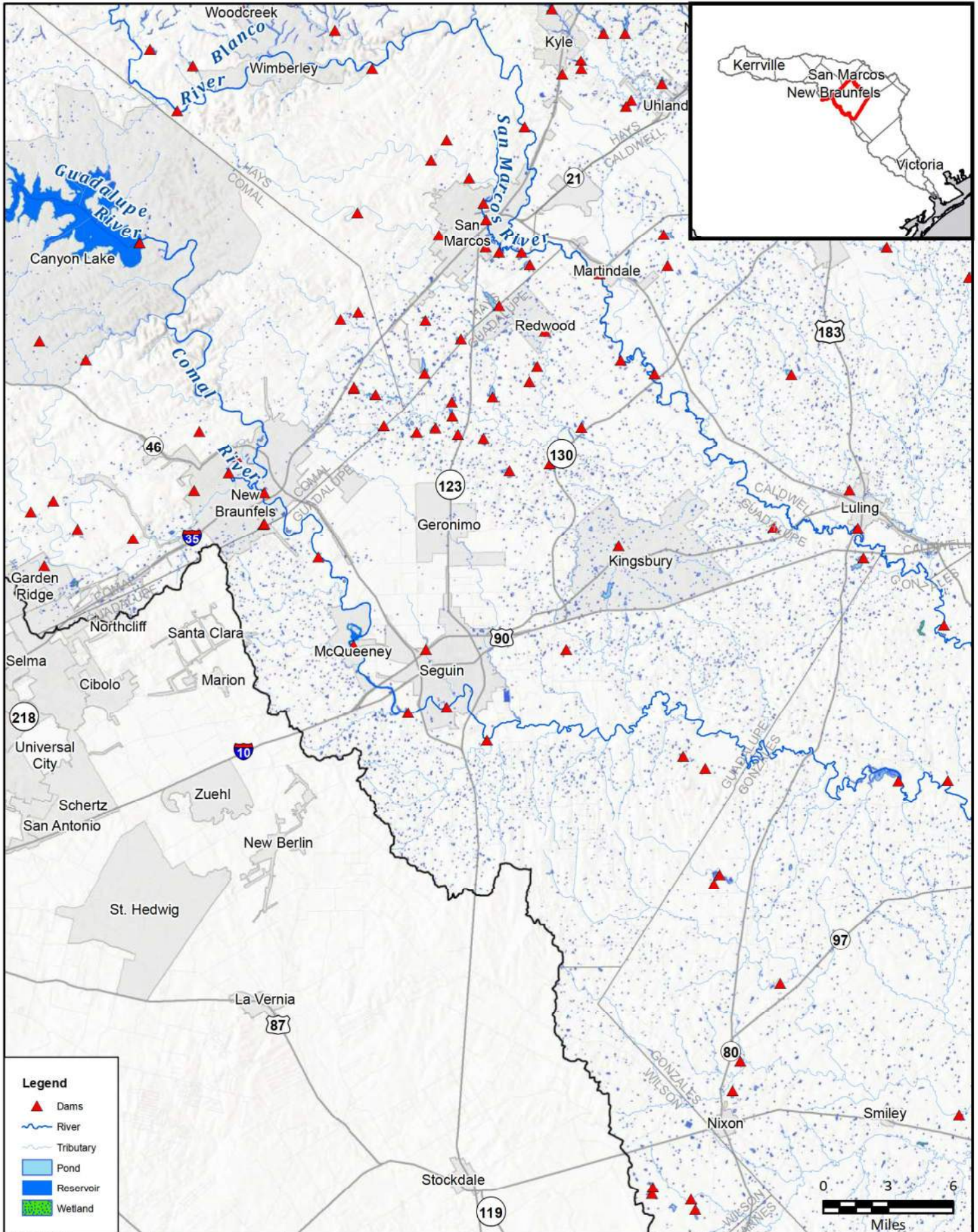
FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 1_FloodInfraMapbook
PREPARED BY	02405

**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**  
  
**Hays County**



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



FN PROJECT NO.	GBA21362
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

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 1 - Existing Flood Infrastructure

## Guadalupe County

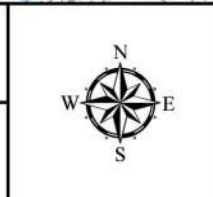
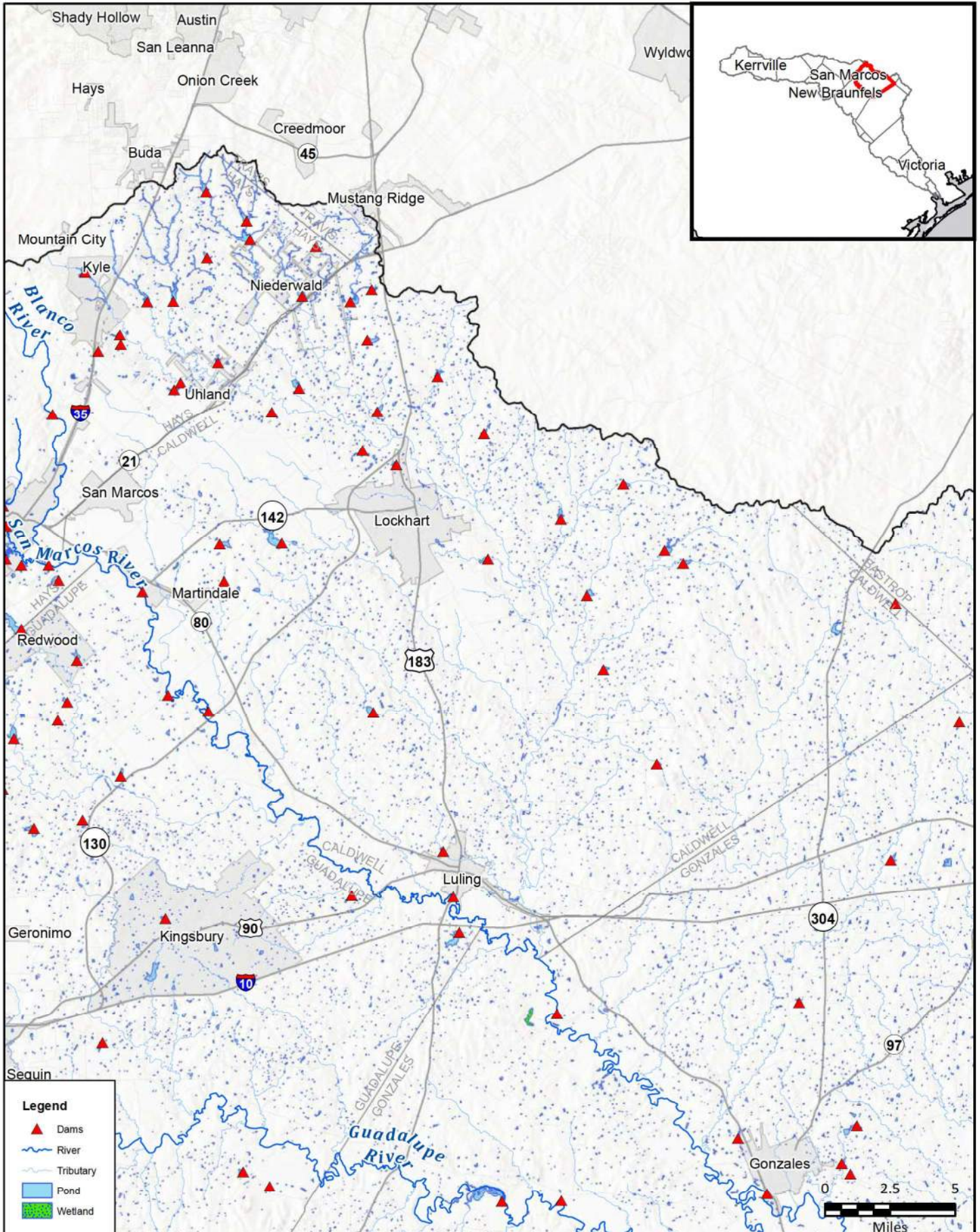


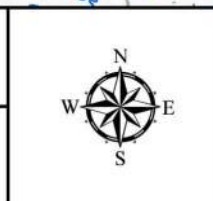
FIGURE  
6 of 14



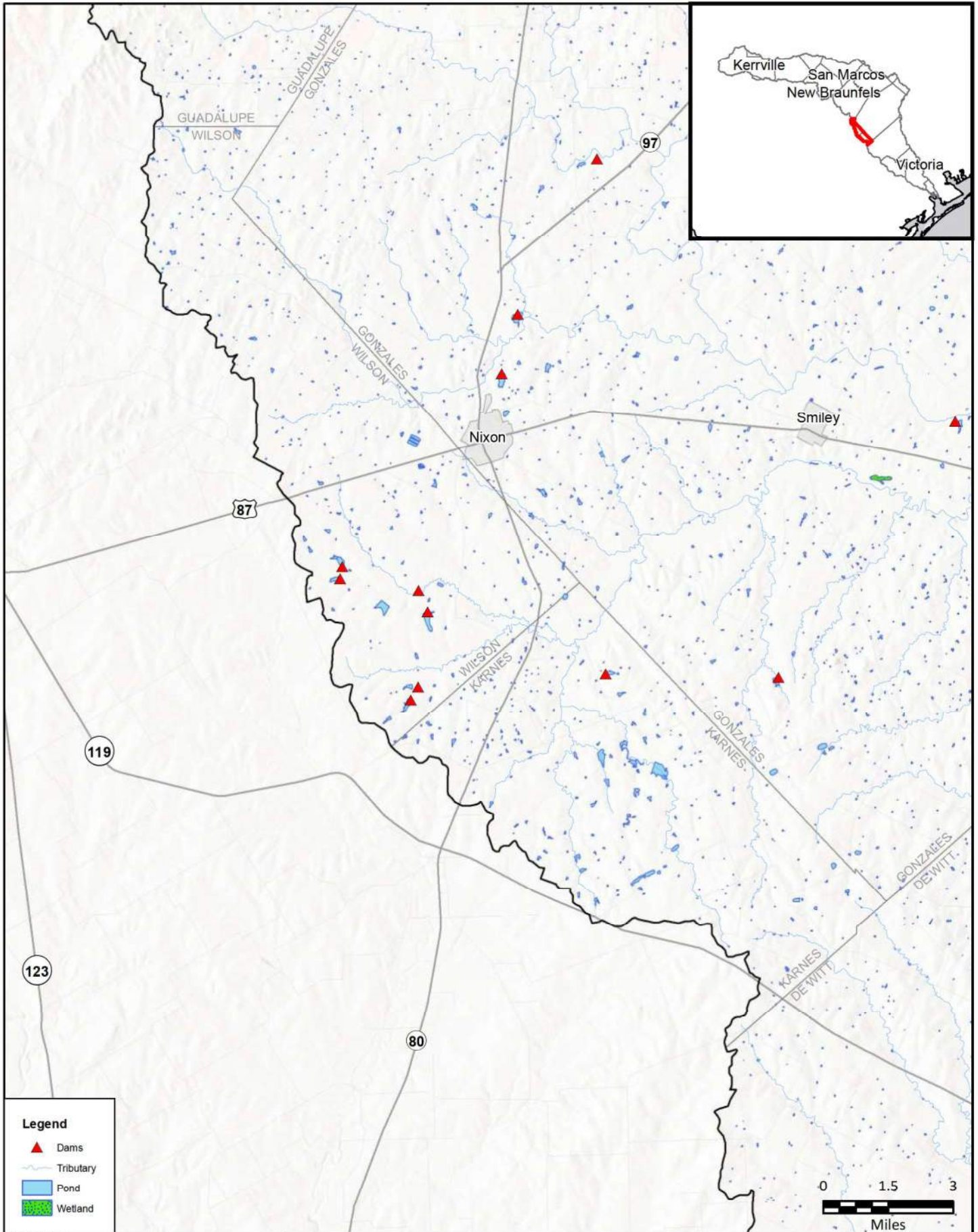
FN PROJECT NO.	0BA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 1_FloodInfraMapbook
PREPARED BY	02405

**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 1 - Existing Flood Infrastructure**  
**Caldwell County**

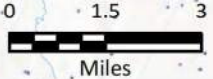


**FIGURE**  
**7 of 14**



**Legend**

- Dams
- Tributary
- Pond
- Wetland

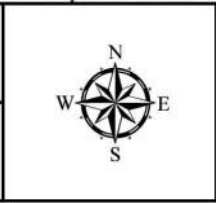


FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 1_FloodInfraMapbook
PREPARED BY	02405

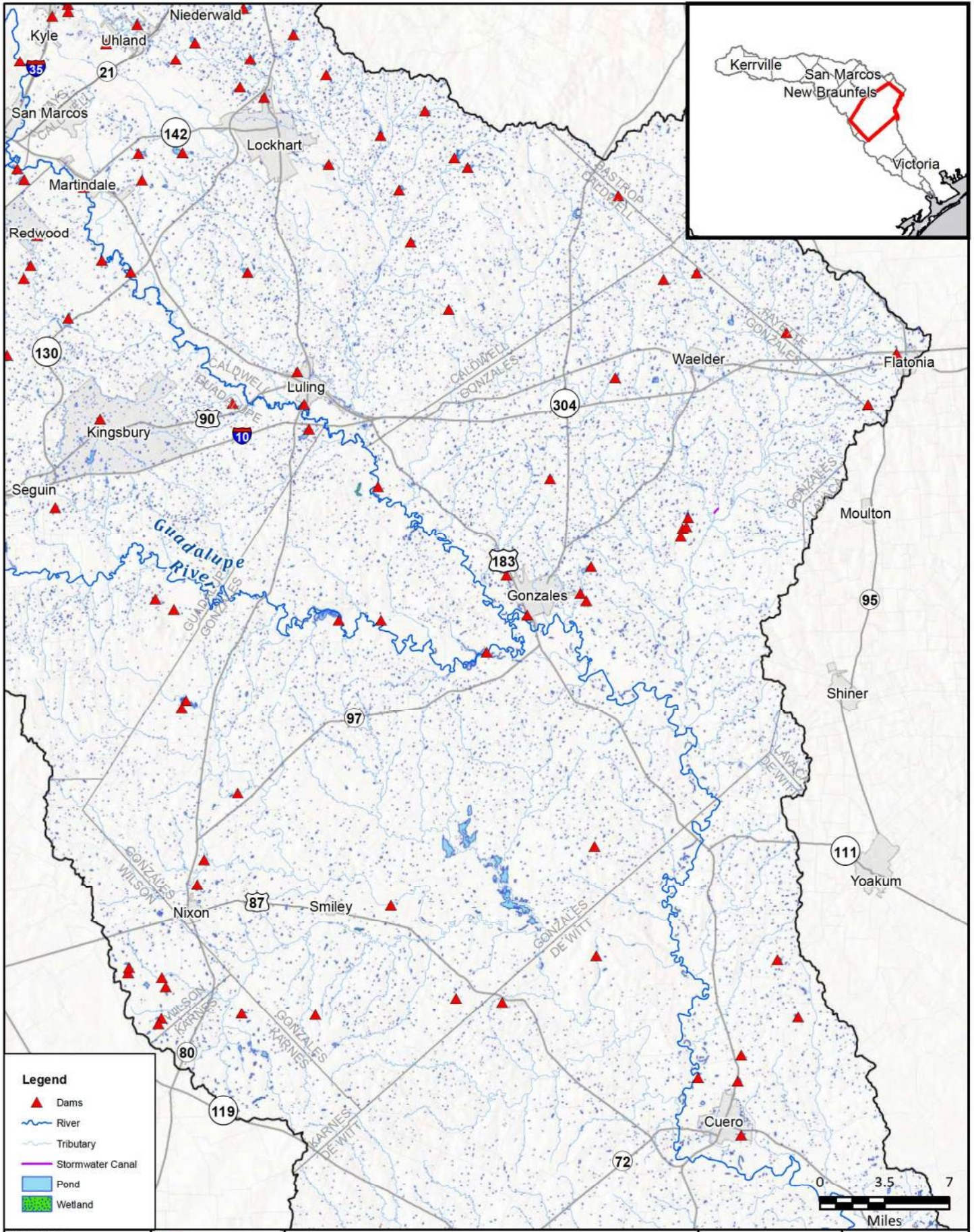
REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

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



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



**Legend**

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

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

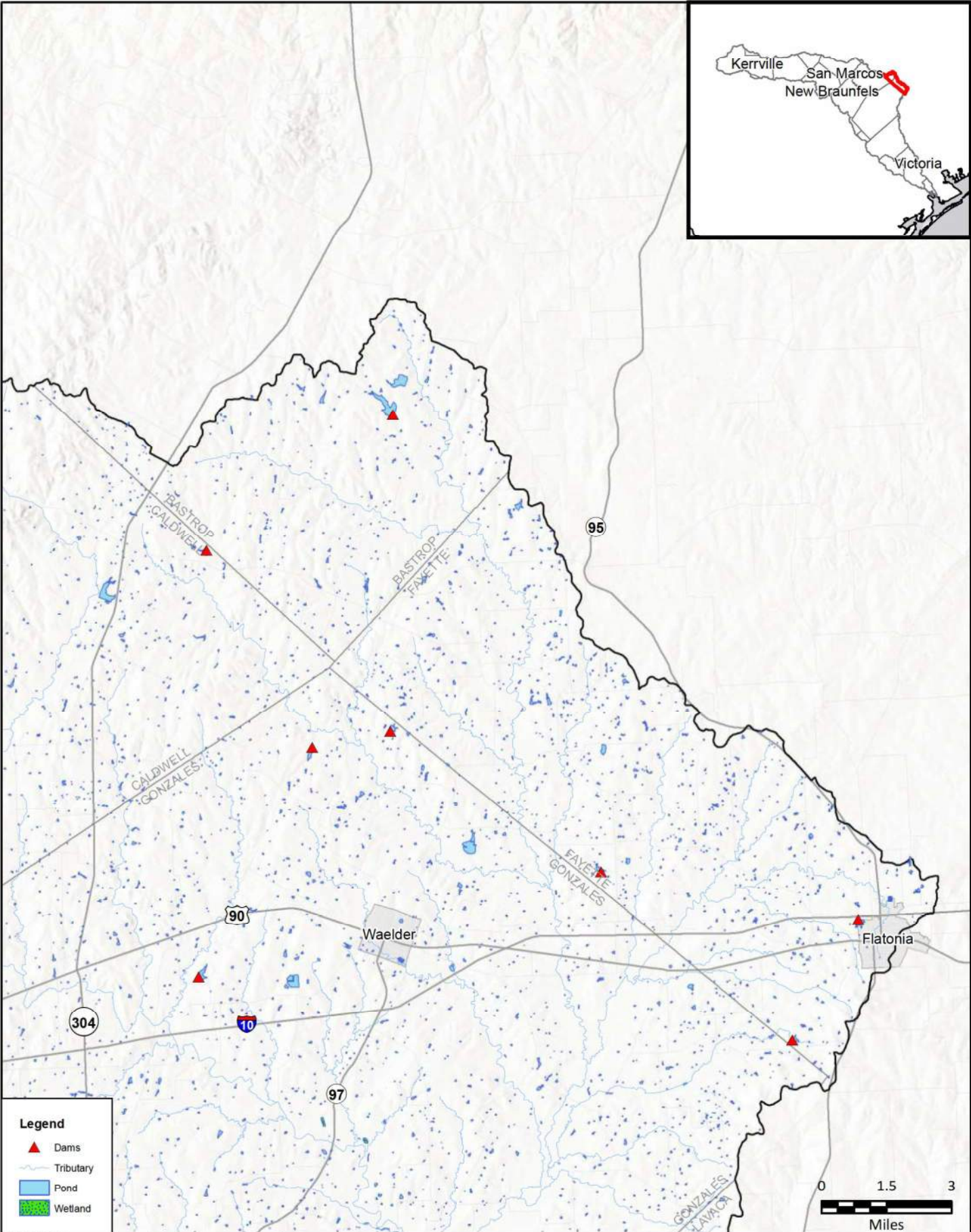
**FRESE AND NICHOLS**  
FRESE AND NICHOLS, INC.  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 1 - Existing Flood Infrastructure

## Gonzales County

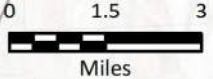


FIGURE  
9 of 14



**Legend**

- ▲ Dams
- Tributary
- Pond
- Wetland



FN PROJECT NO.	GBA21362
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

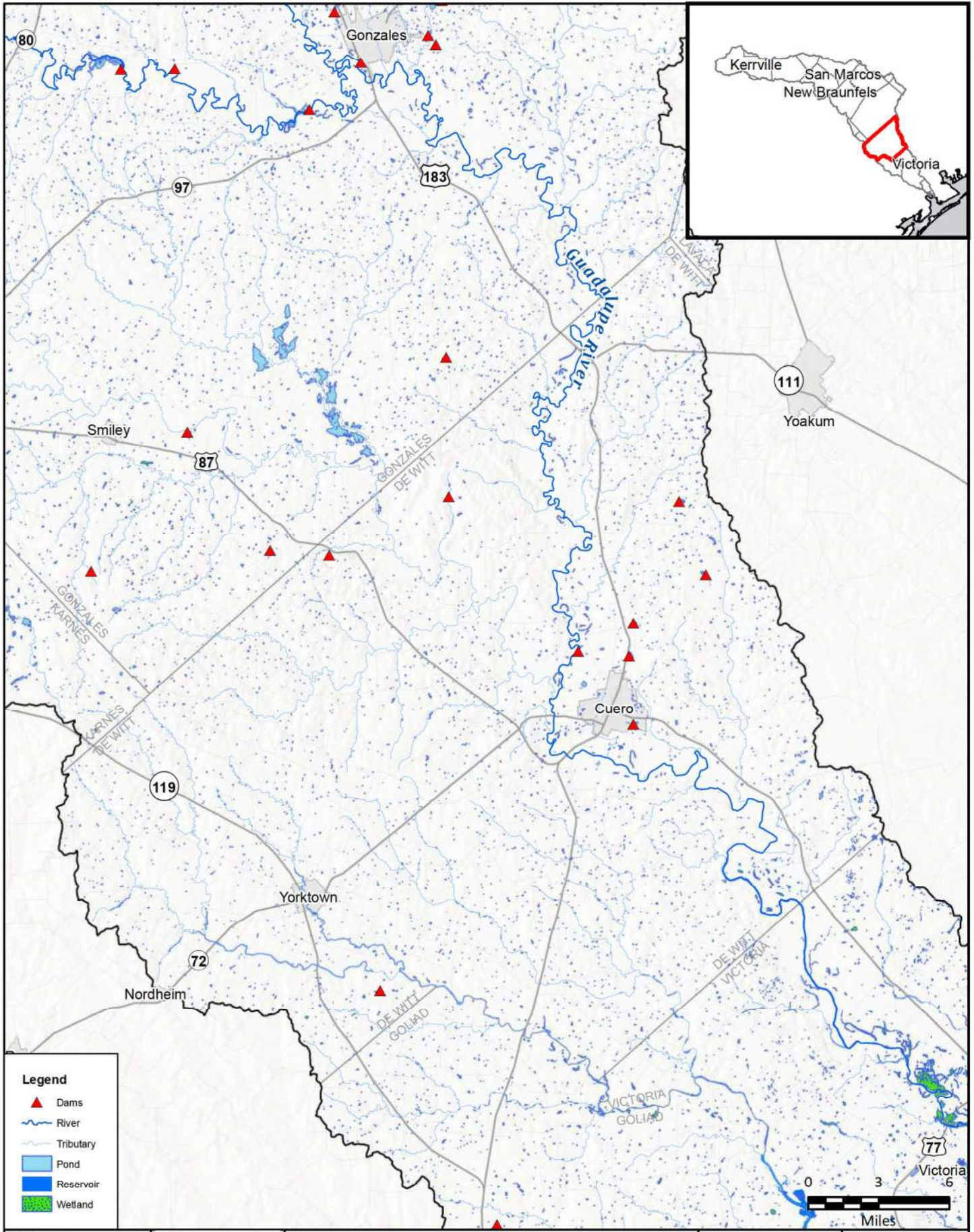
REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

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



FIGURE  
10 of 14



**Legend**

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

FN PROJECT NO.	GBA21362
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

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

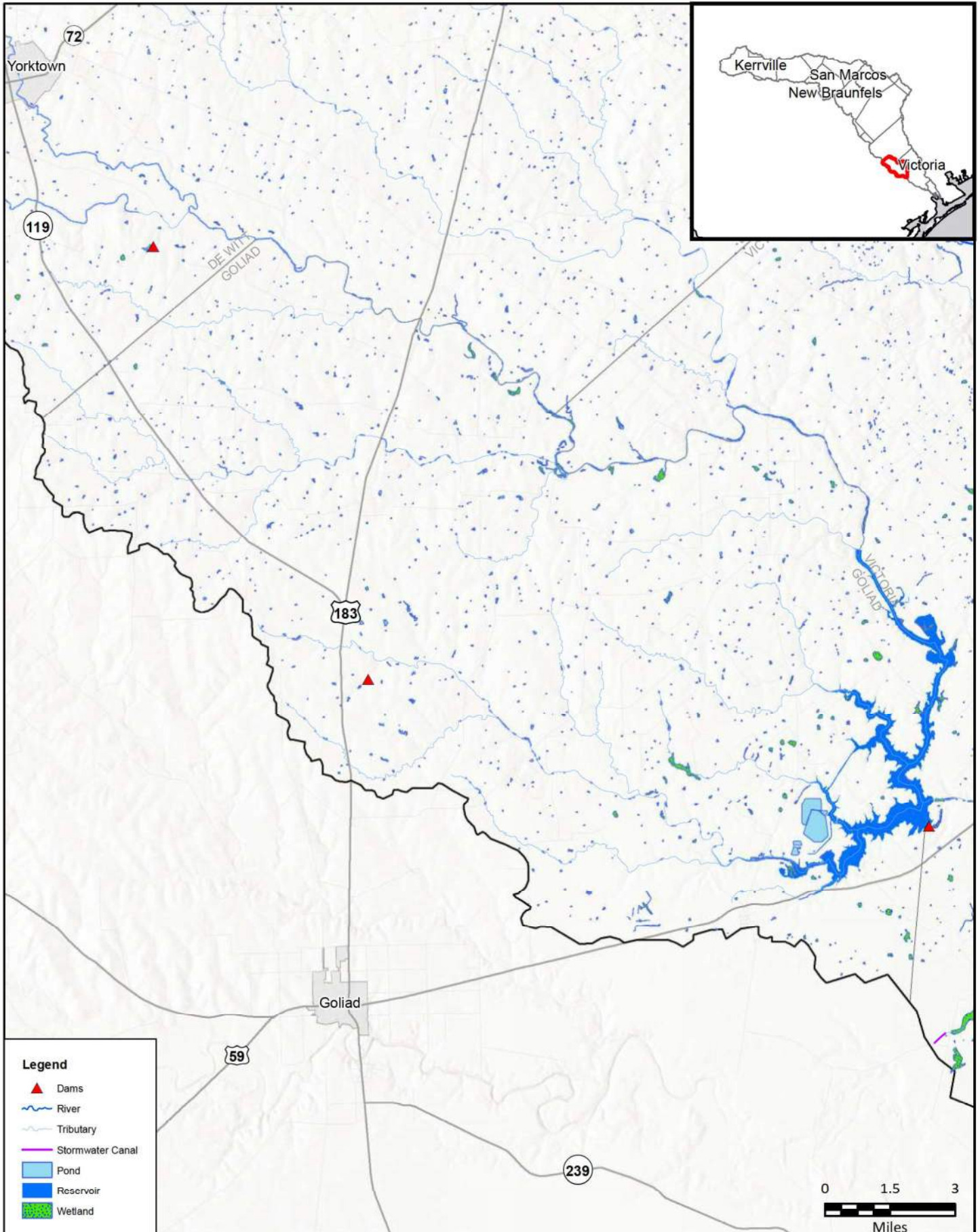
**FREESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

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



FIGURE  
11 of 14





**Legend**

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



FN PROJECT NO.	GBA21362
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

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 1 - Existing Flood Infrastructure

## Goliad County

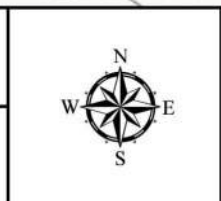
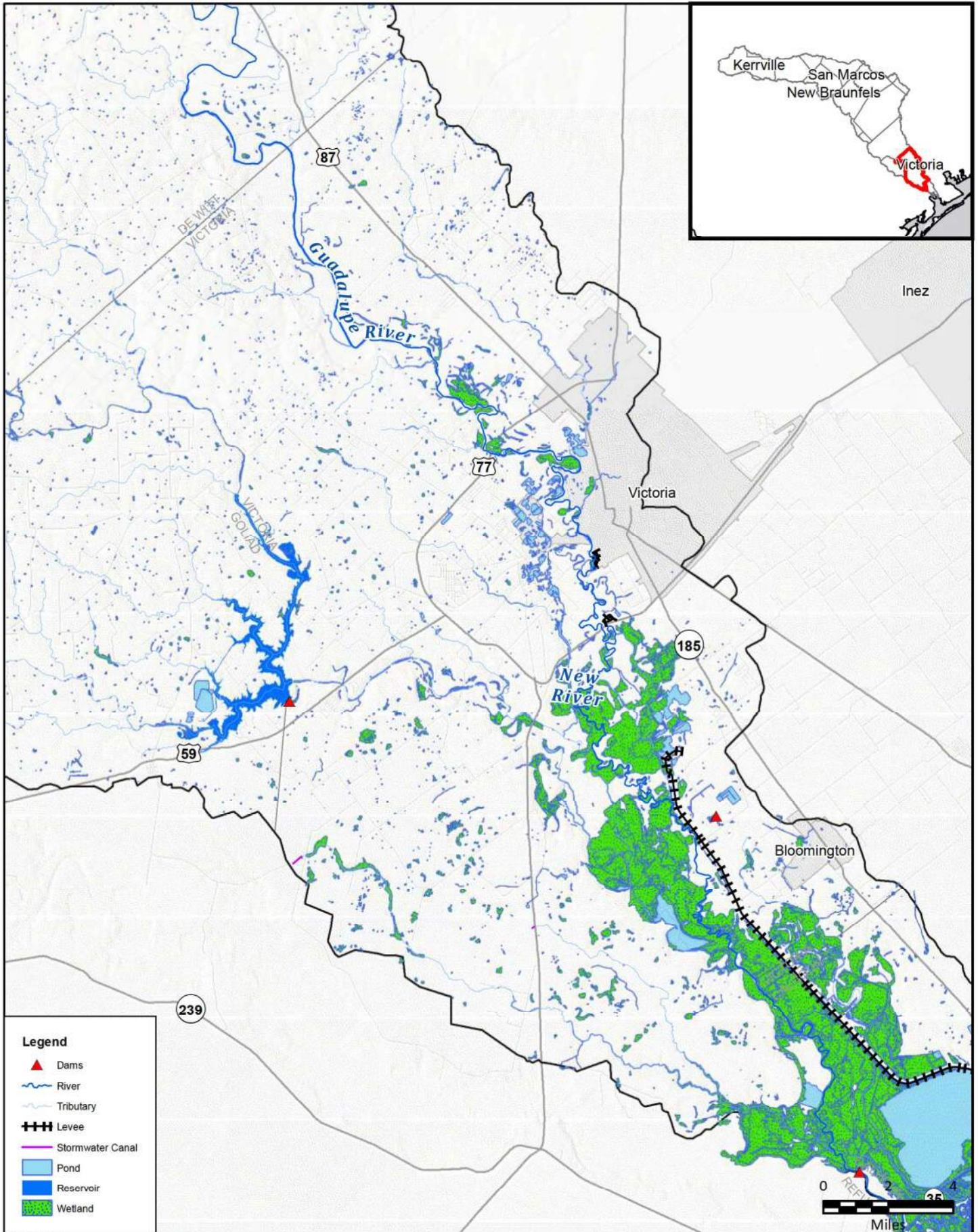


FIGURE  
12 of 14



**Legend**

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

FN PROJECT NO.	GBA21362
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

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 1 - Existing Flood Infrastructure

## Victoria County

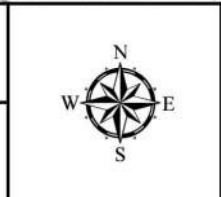
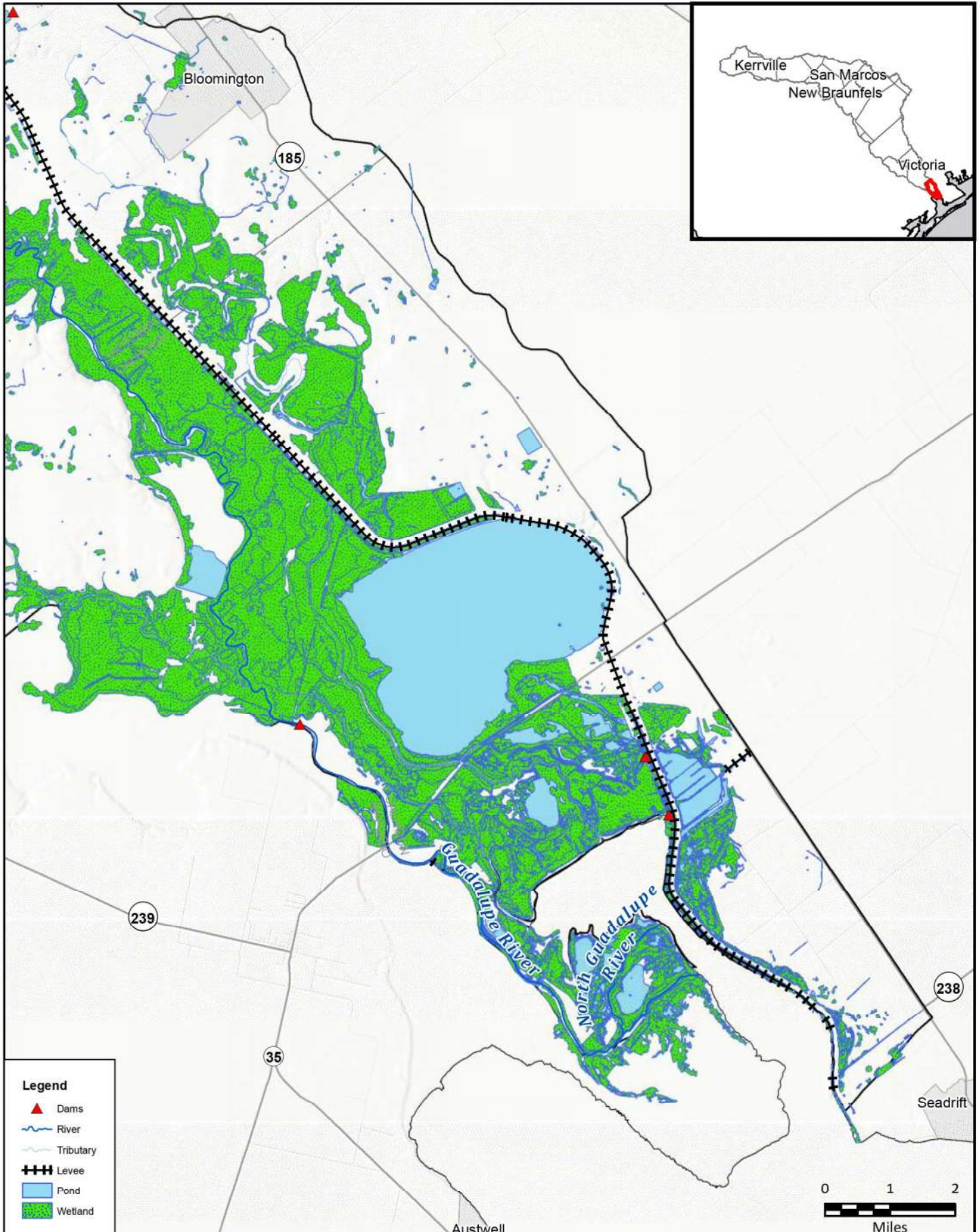


FIGURE  
13 of 14



**Legend**

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



FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 1_FloodInfraMapbook
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 1 - Existing Flood Infrastructure

# Calhoun County

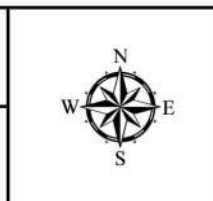


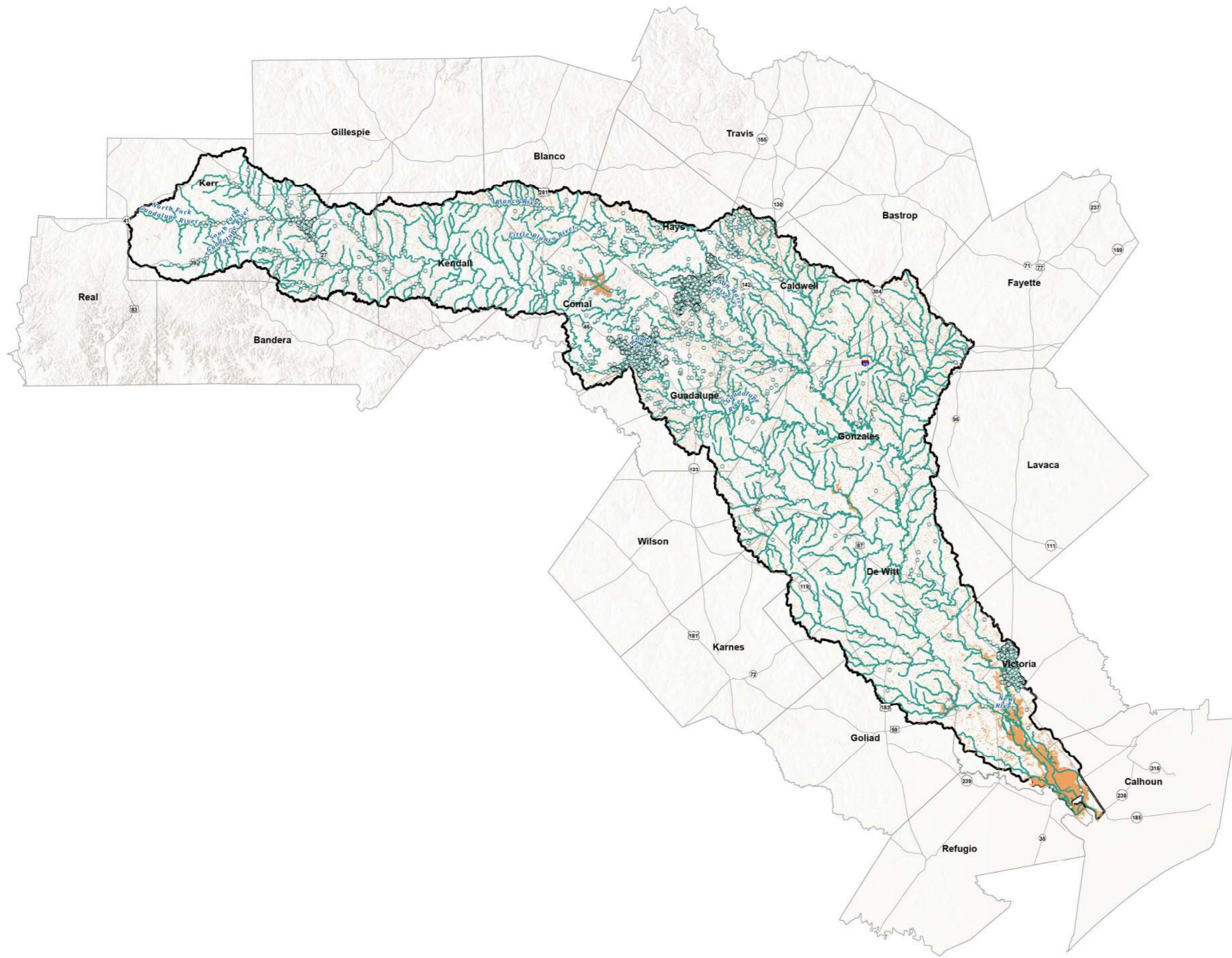
FIGURE  
14 of 14

**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

**FRESSE NICHOLS**  
Fresse and Nichols, Inc.  
Office: (512) 617-3100

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

Region 11: Guadalupe

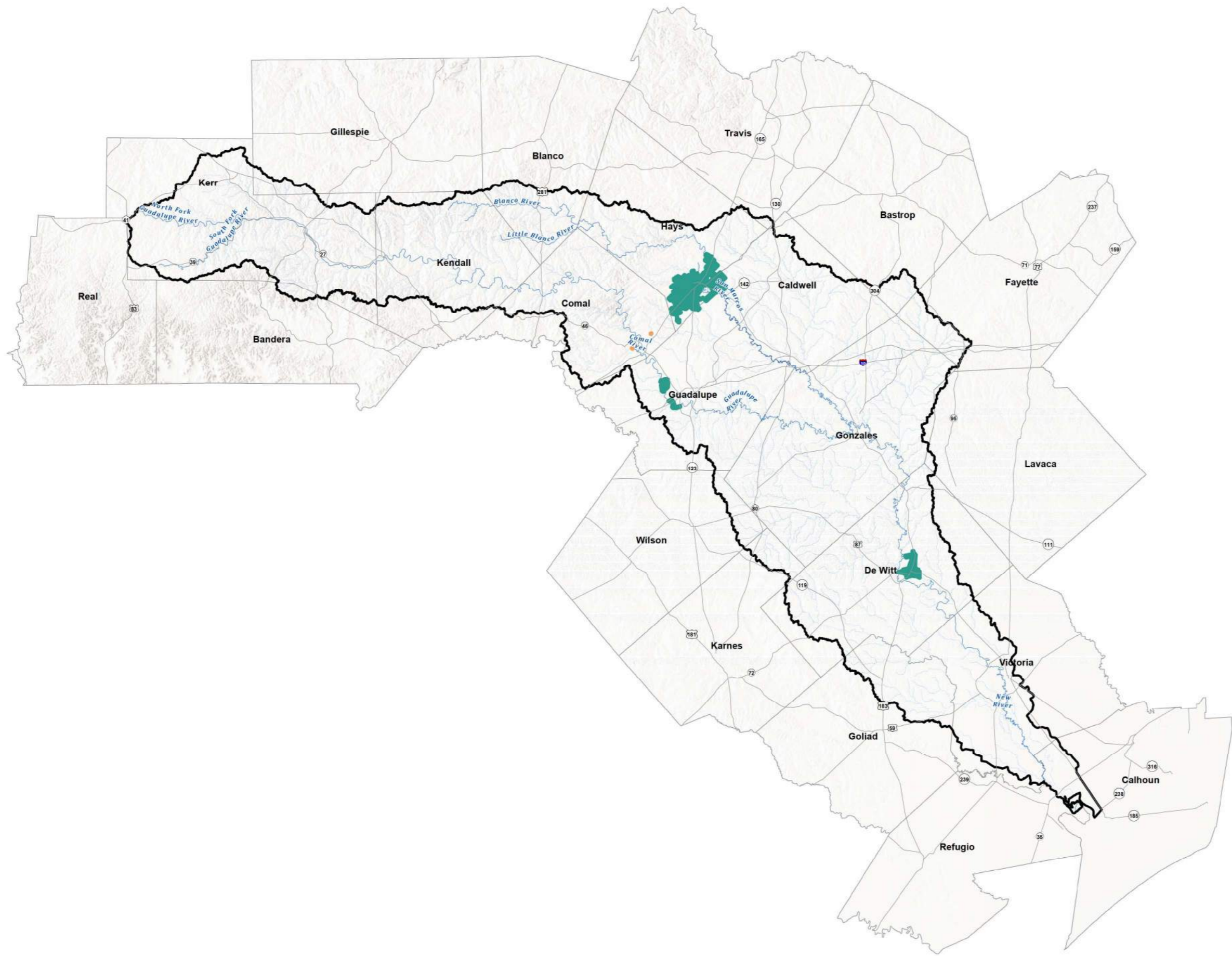
PROJECT NO.	GR421302
TITLE	3 Non-Functional Deficient
DATE	7/28/2022
SCALE	1 in = 9 miles
DRAWN BY	GRAD

Map  
**3**



## **Appendix 1-B |**

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



**Legend**

-  River
-  Tributary

**Status of Existing Projects**

-  Ongoing
-  Proposed



**GUADALUPE**  
FRESE NICHOLS  
Frees and Nichols, Inc.  
Office: (512) 617-3100

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

0 4.5 9 Miles

PROJECT NO.	GRA21192
FILE	2_ProposedProjects
DATE	7/20/2023
SCALE	1 in = 9 miles
DRAWN BY	GRAS

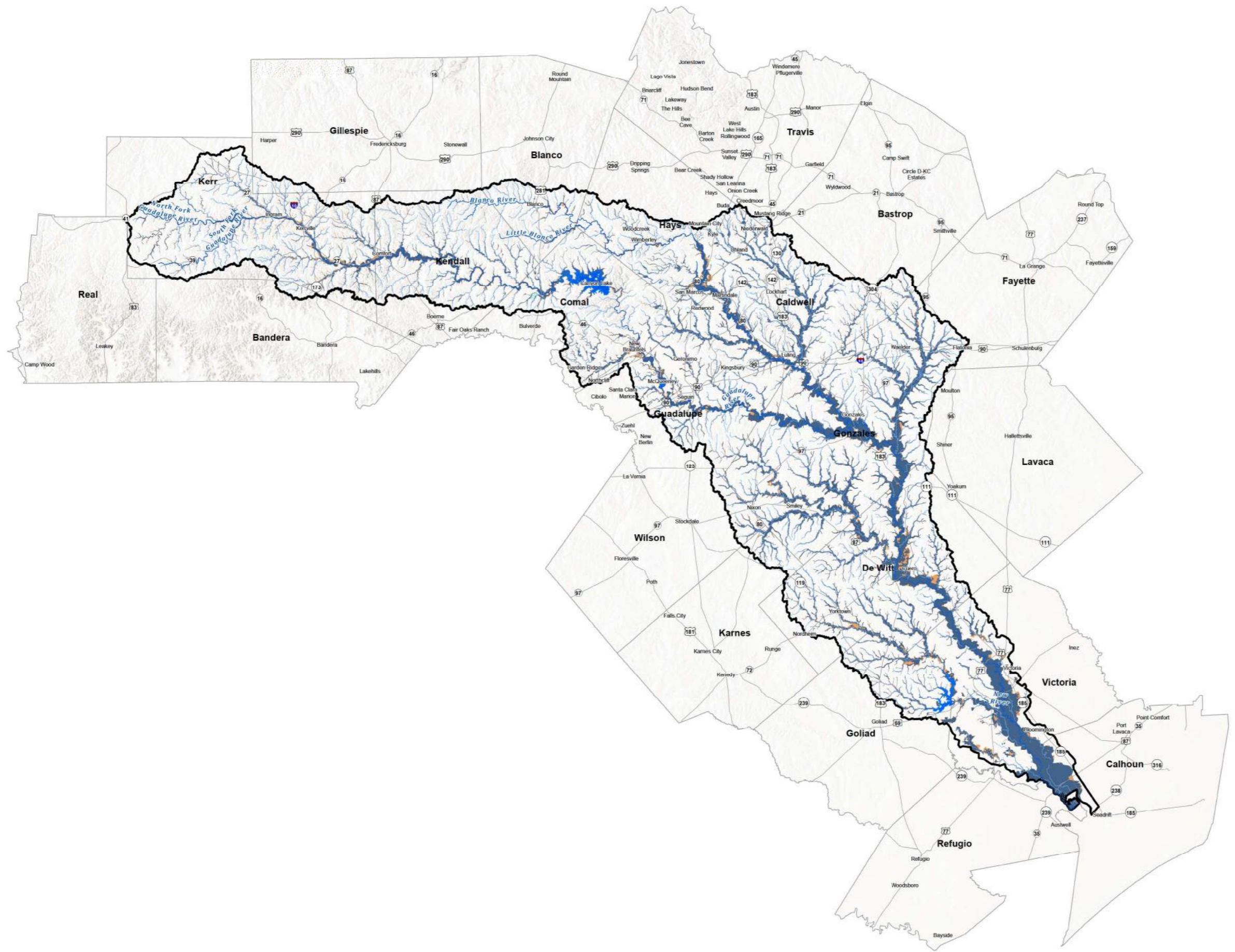
**Map**  
**2**

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

Existing Project ID	RFPG No.	RFPG Name	Project Name	Description	Counties	HUC8s	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	Unknown	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	Unknown	Reduced flood risk
11000033	11	Guadalupe	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	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	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

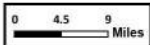
## **Appendix 2-A |**

## **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



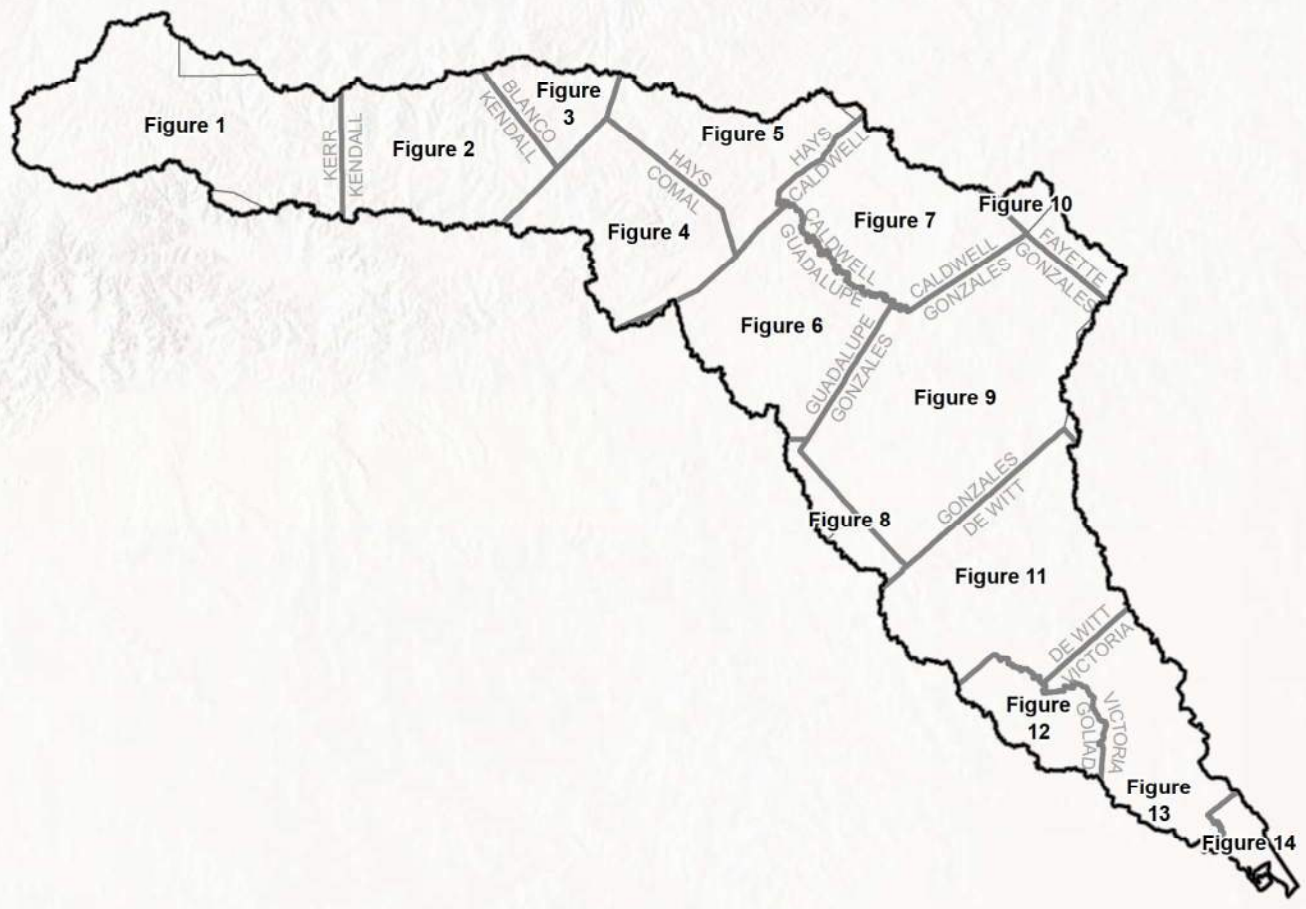
Freese and Nichols, Inc.  
 Office: (512) 617-3100

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

Region 11: Guadalupe

PROJECT NO.	GRA21302	<b>Map 4</b>
DATE	7/29/2021	
SCALE	1 in = 9 miles	
DRAWN BY	GRAD	

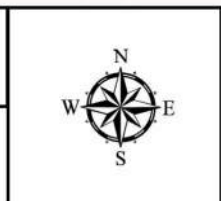




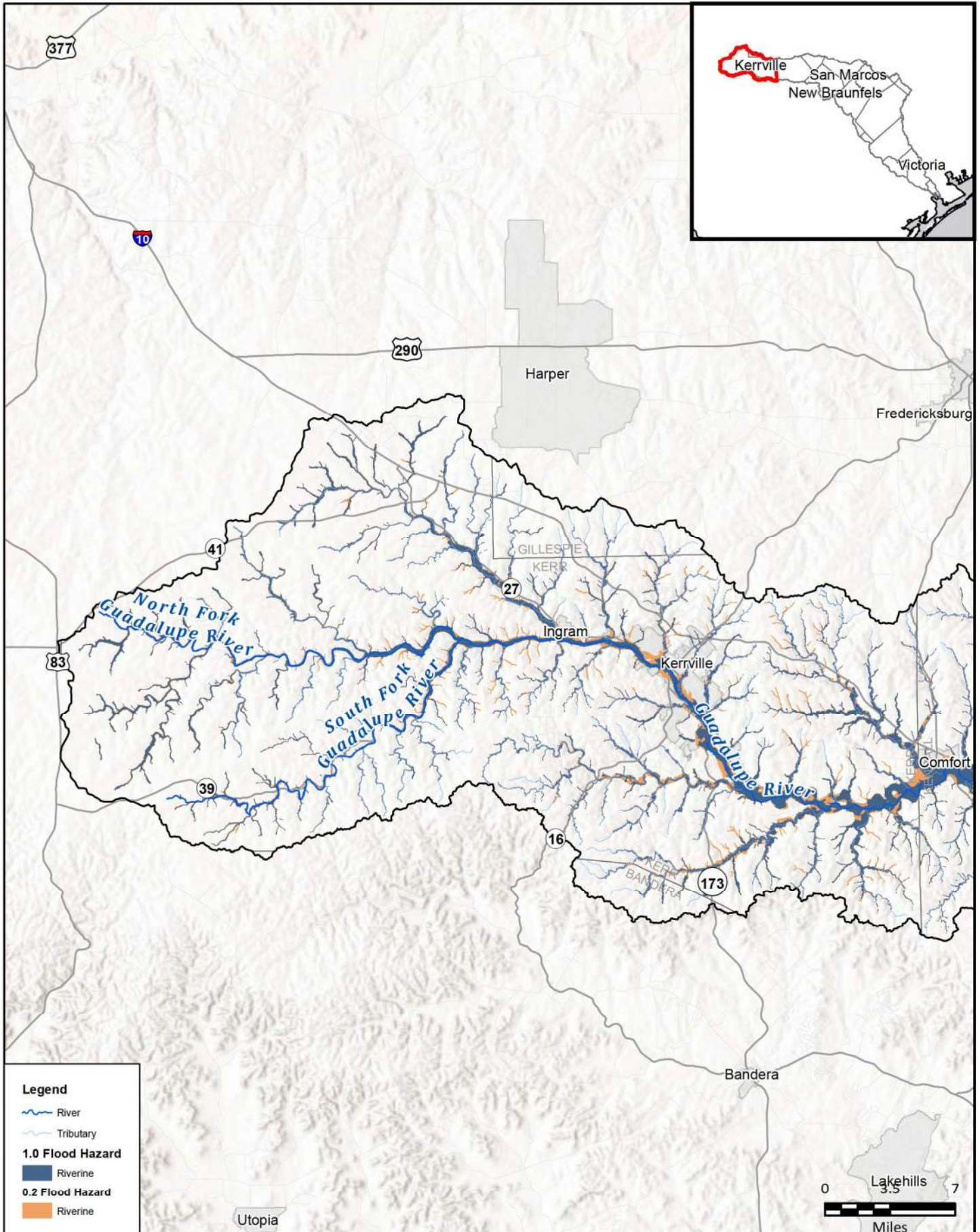
FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/19/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 4_ExtFidHazard_Index
PREPARED BY	02405

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

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



**FIGURE**  
**Index**



**Legend**

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

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 4_ExtFidHazardMapbook
PREPARED BY	02405

REGION 11  
**GUADALUPE**  
REGIONAL FLOOD PLANNING 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

**Kerr County**

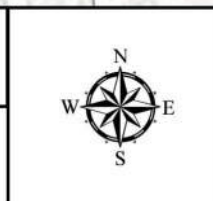
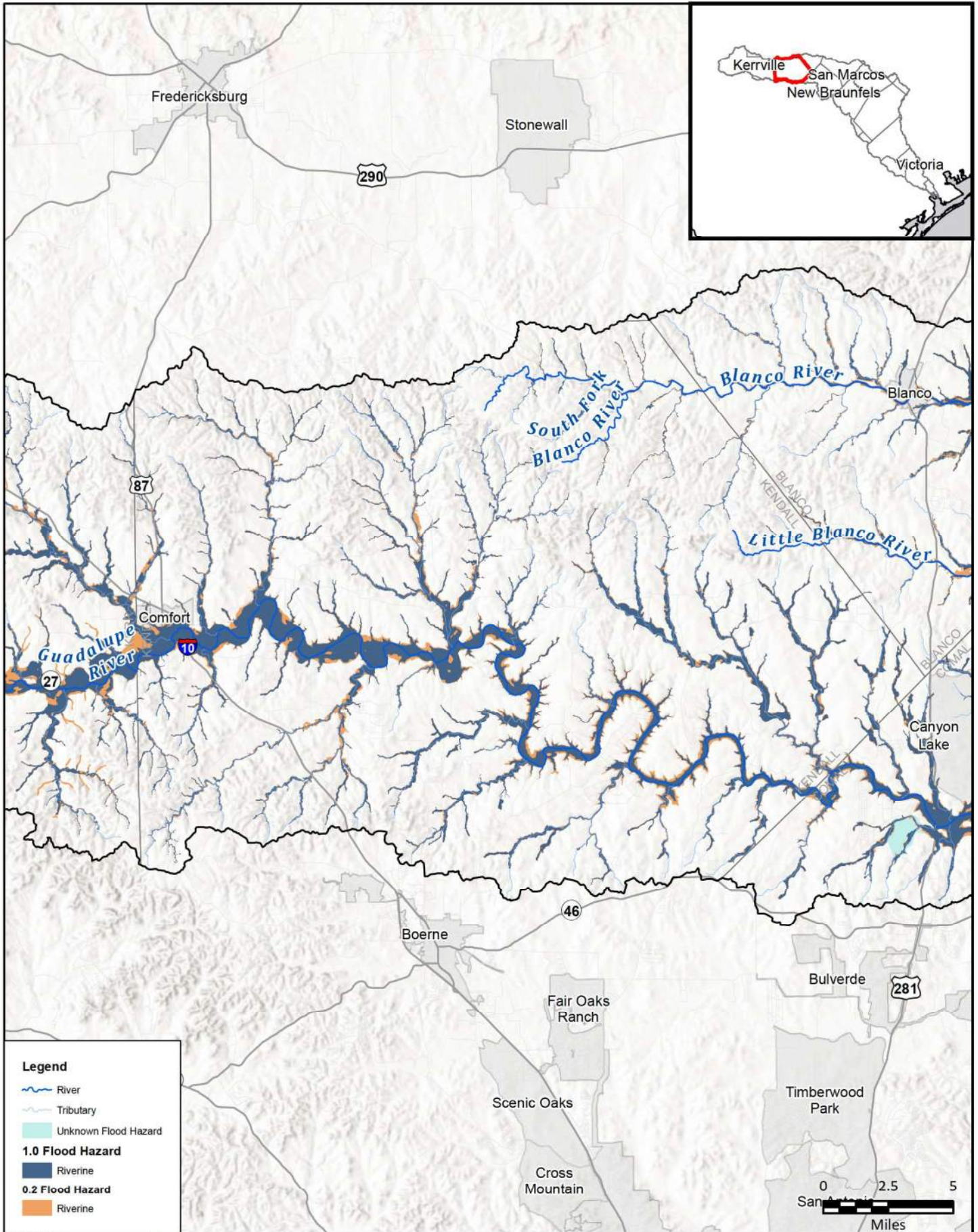


FIGURE  
1 of 14



**Legend**

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

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 4_ExtFidHazardMapbook
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 4 - Existing Flood Hazard Areas

# Kendall County

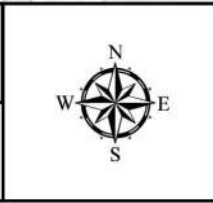
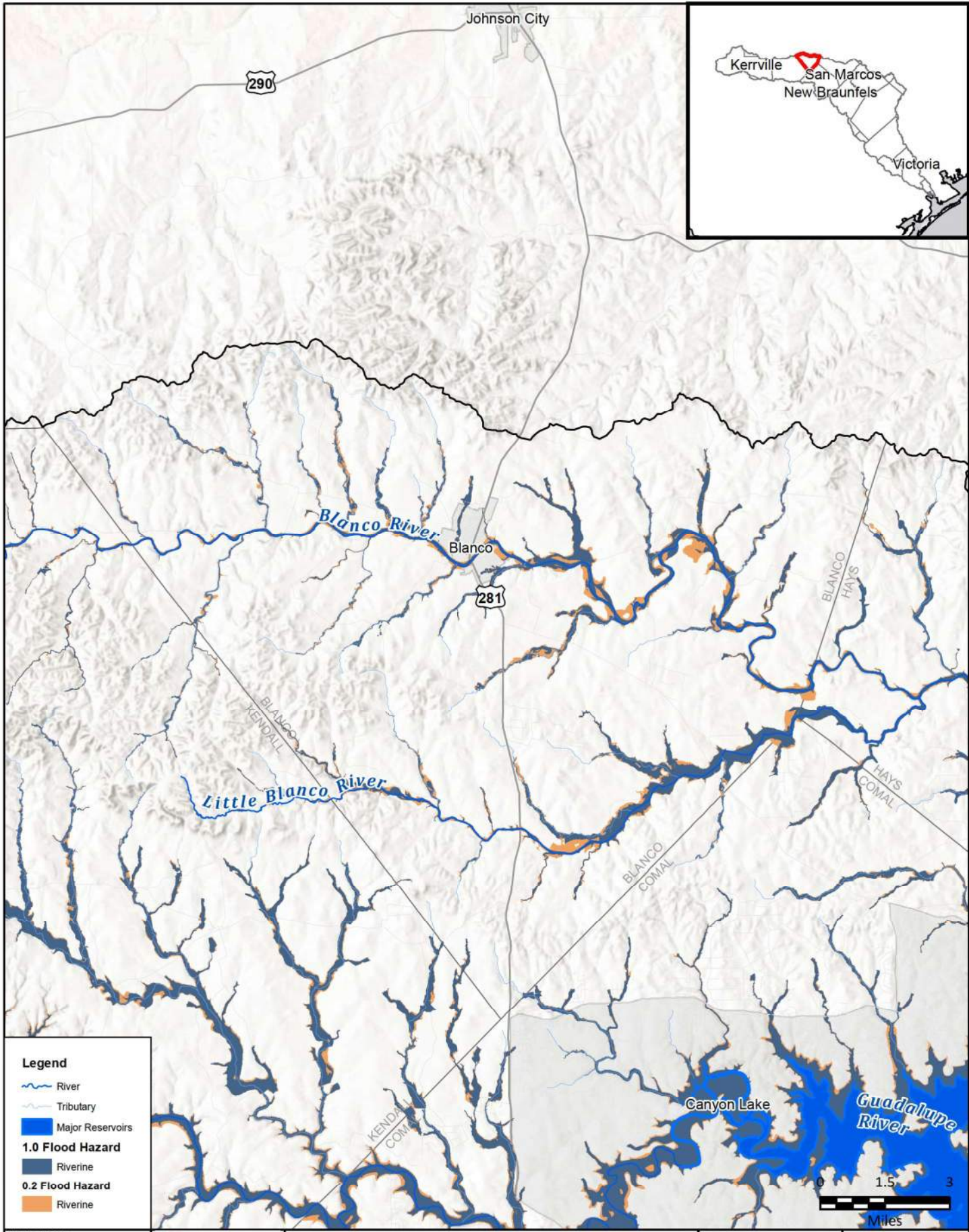


FIGURE  
2 of 14



**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 Centric Mapping System Lambert
FILE NAME	Name: 4_ExtFidHazardMapbook
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

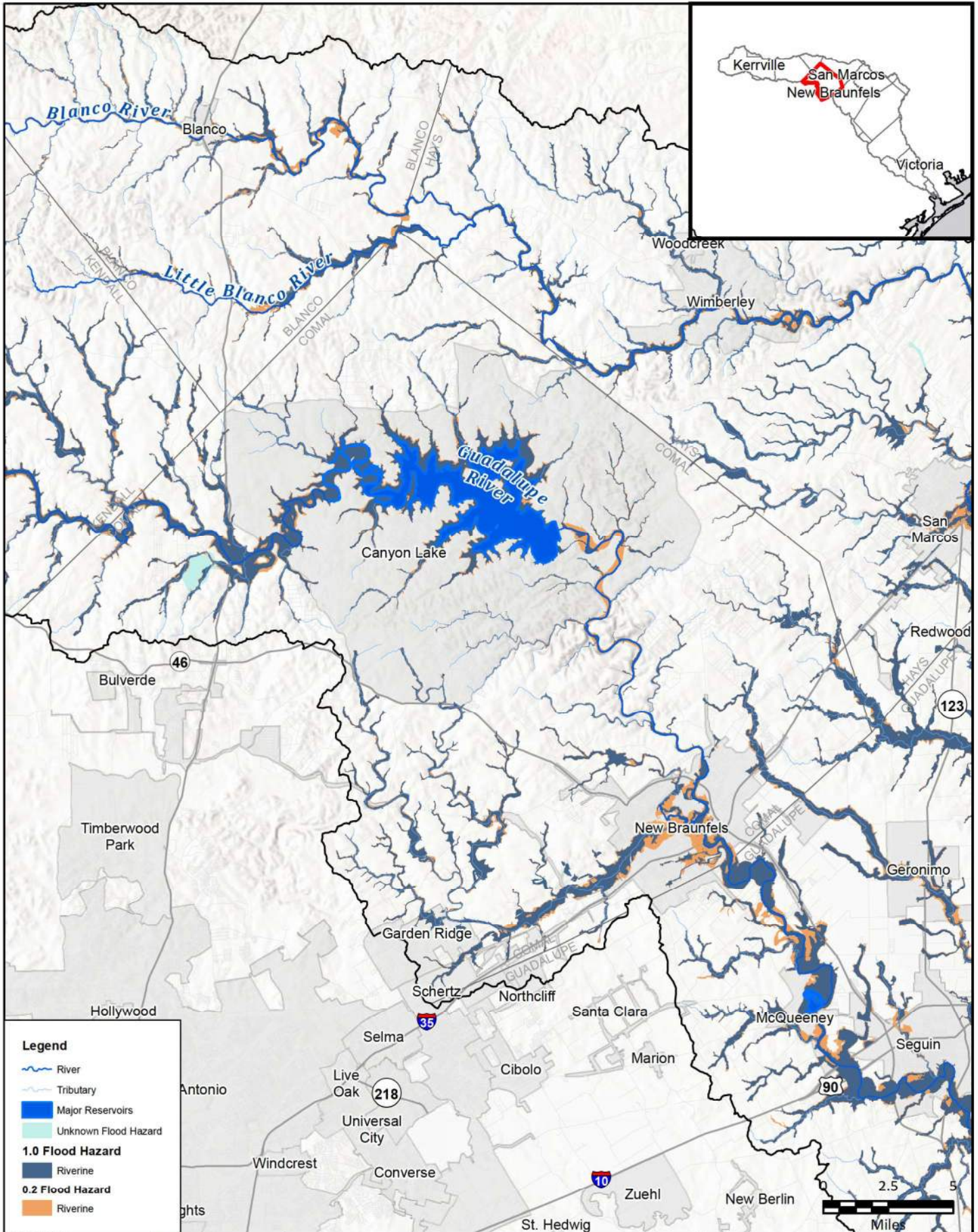
**FREESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 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

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_ExtFidHazardMapbook
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 4 - Existing Flood Hazard Areas

**Comal County**

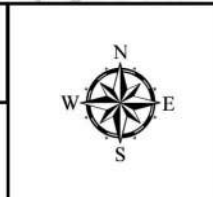
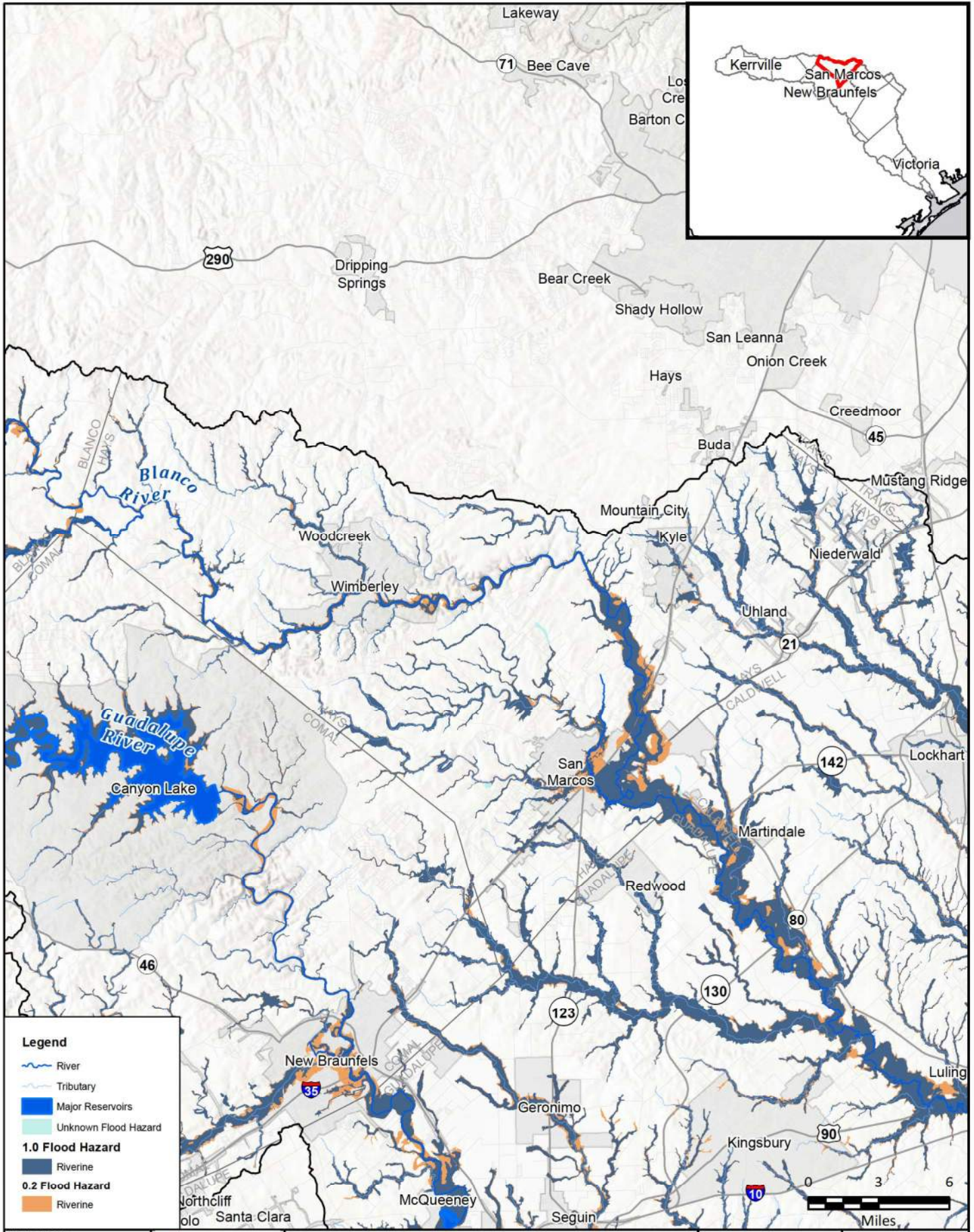


FIGURE  
4 of 14



**Legend**

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

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_ExtFidHazardMapbook
PREPARED BY	02405

**REGION GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

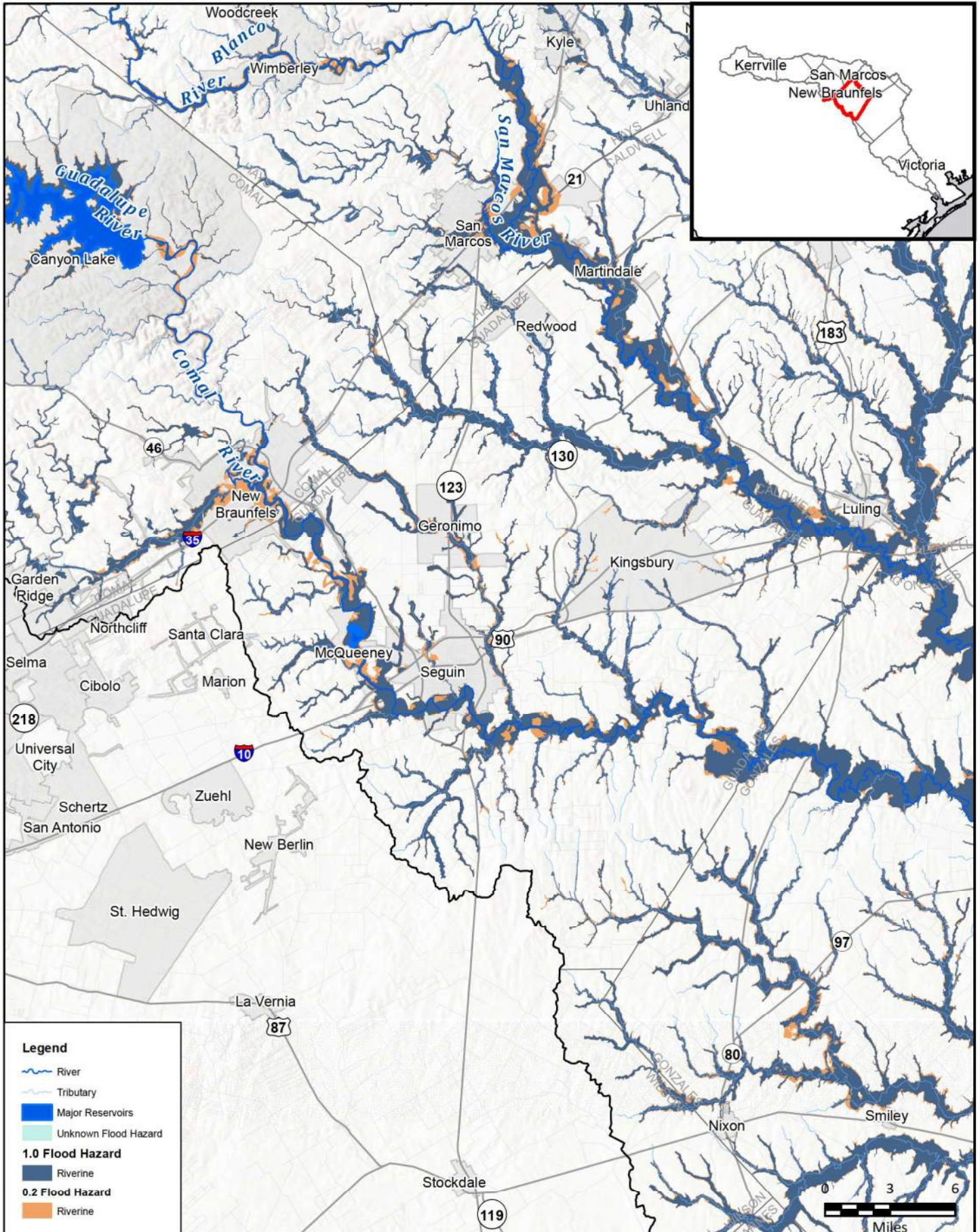
**FREESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 4 - Existing Flood Hazard Areas

# Hays County



FIGURE  
5 of 14



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_ExtFidHazardMapbook
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 4 - Existing Flood Hazard Areas

## Guadalupe County

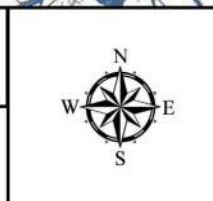
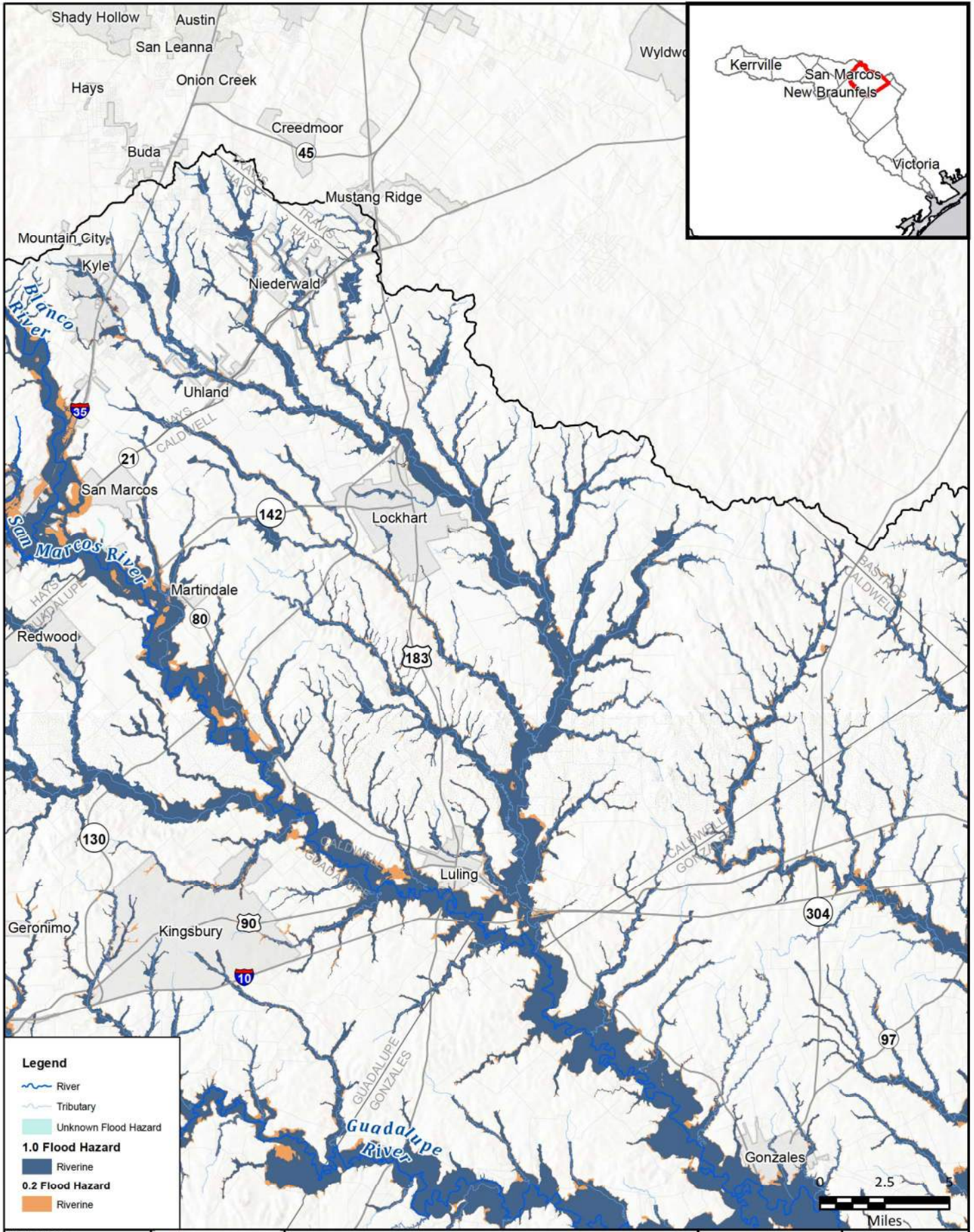


FIGURE  
6 of 14



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_ExtFidHazardMapbook
PREPARED BY	02405

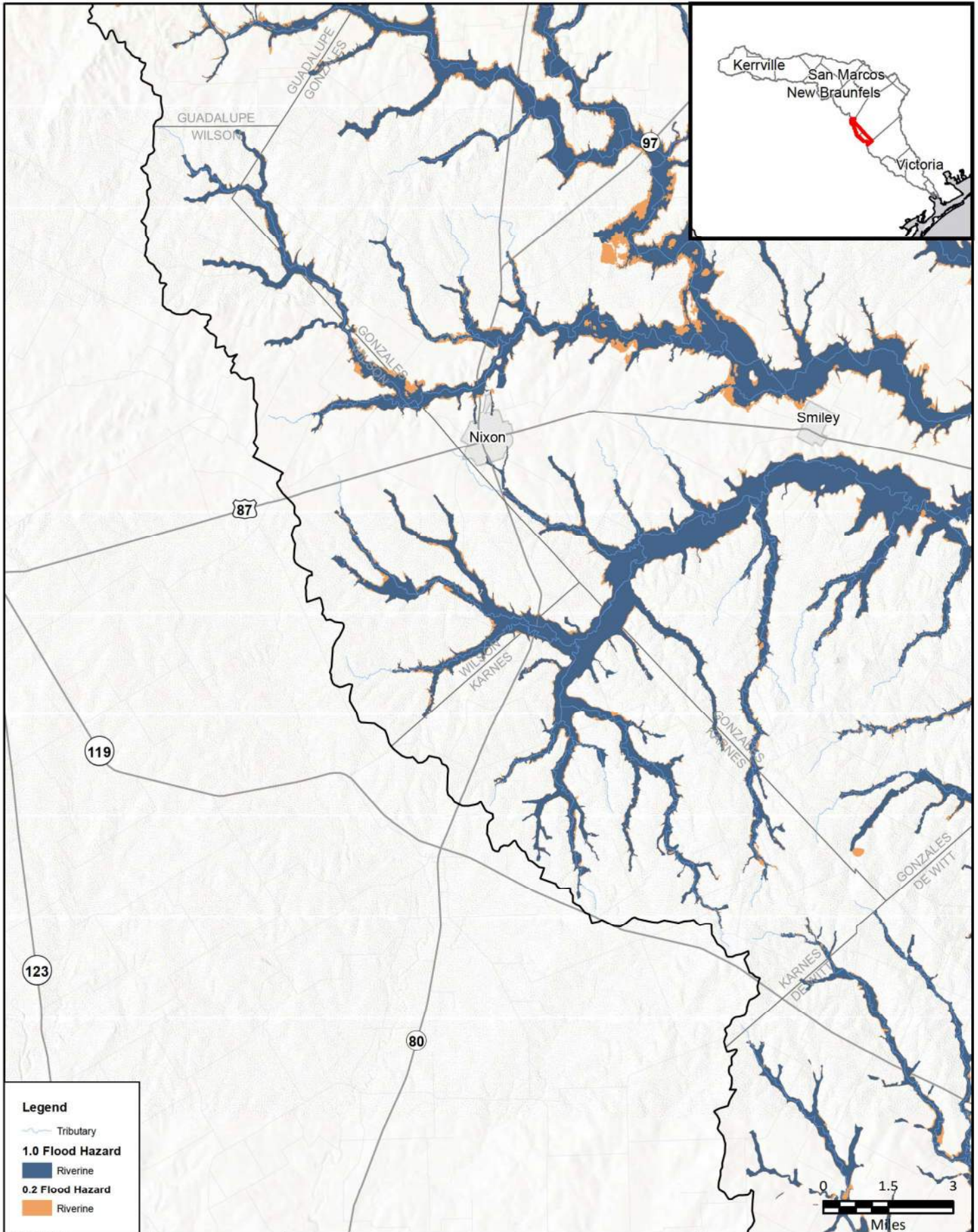
**FREESE AND NICHOLS, INC.**  
 10431 MORADO CIRCLE  
 BUILDING 5, SUITE 300  
 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

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



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





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_ExFidHazardMapbook
PREPARED BY	02405

REGION  
**GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FRESE AND NICHOLS**

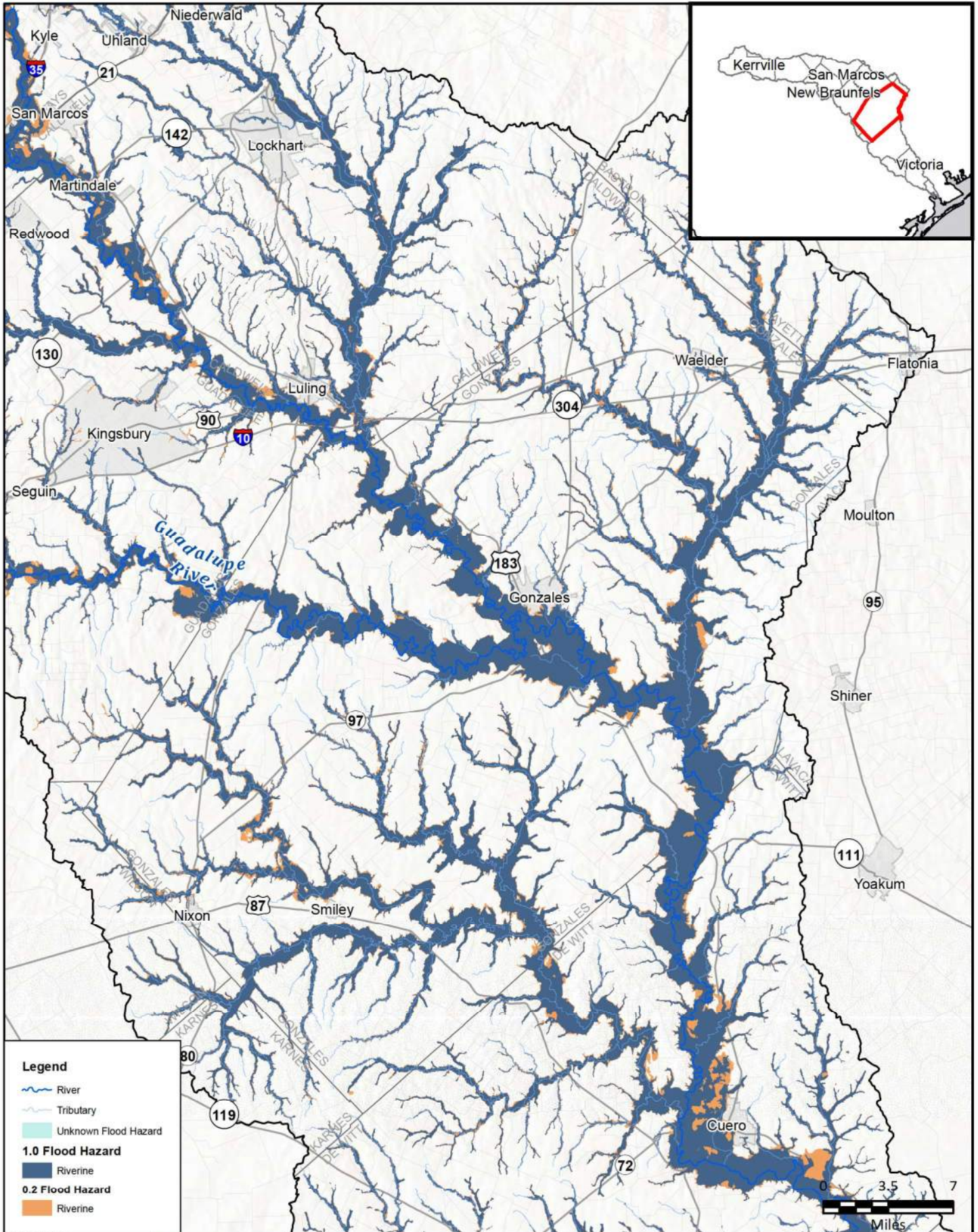
**FRESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 4 - Existing Flood Hazard Areas

**Wilson & Karnes Counties**



FIGURE  
8 of 14



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 4_ExtFidHazardMapbook
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

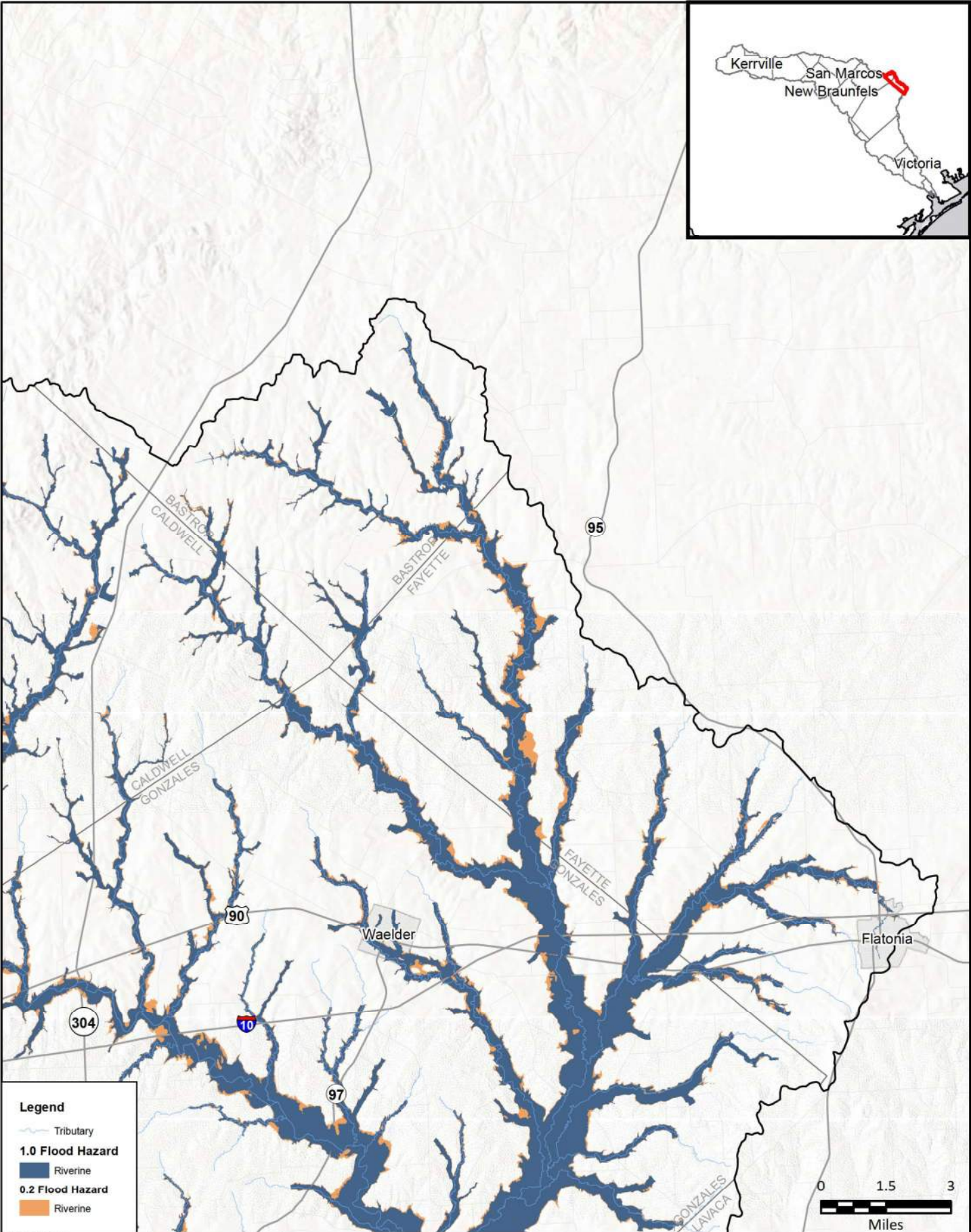
**FRESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 4 - Existing Flood Hazard Areas

## Gonzales County



FIGURE  
9 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_ExtFidHazardMapbook
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING 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

**Bastrop & Fayette Counties**

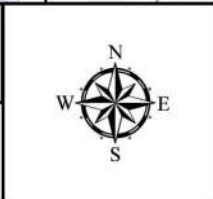
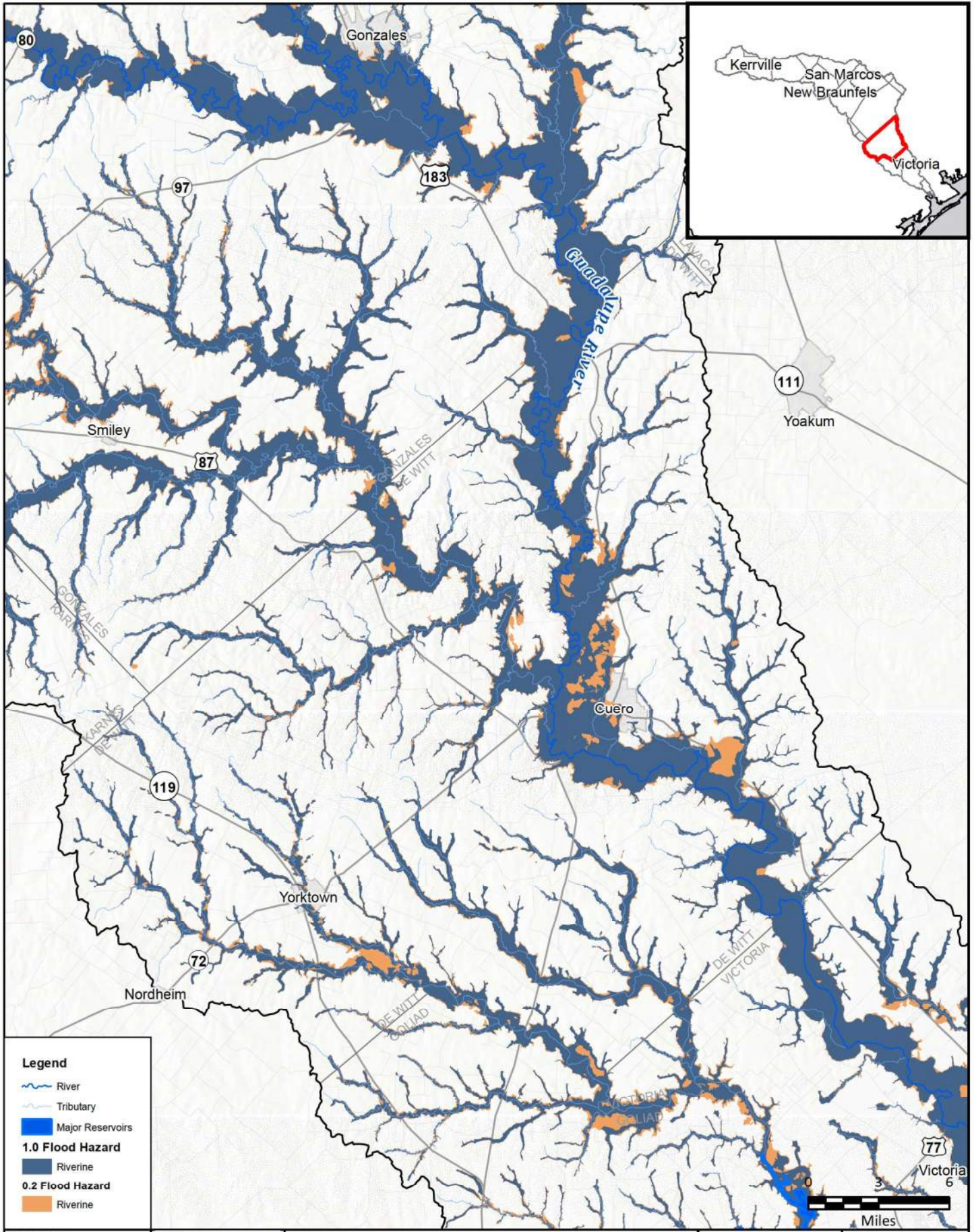


FIGURE  
10 of 14



**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	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 4_ExtFidHazardMapbook
PREPARED BY	02405

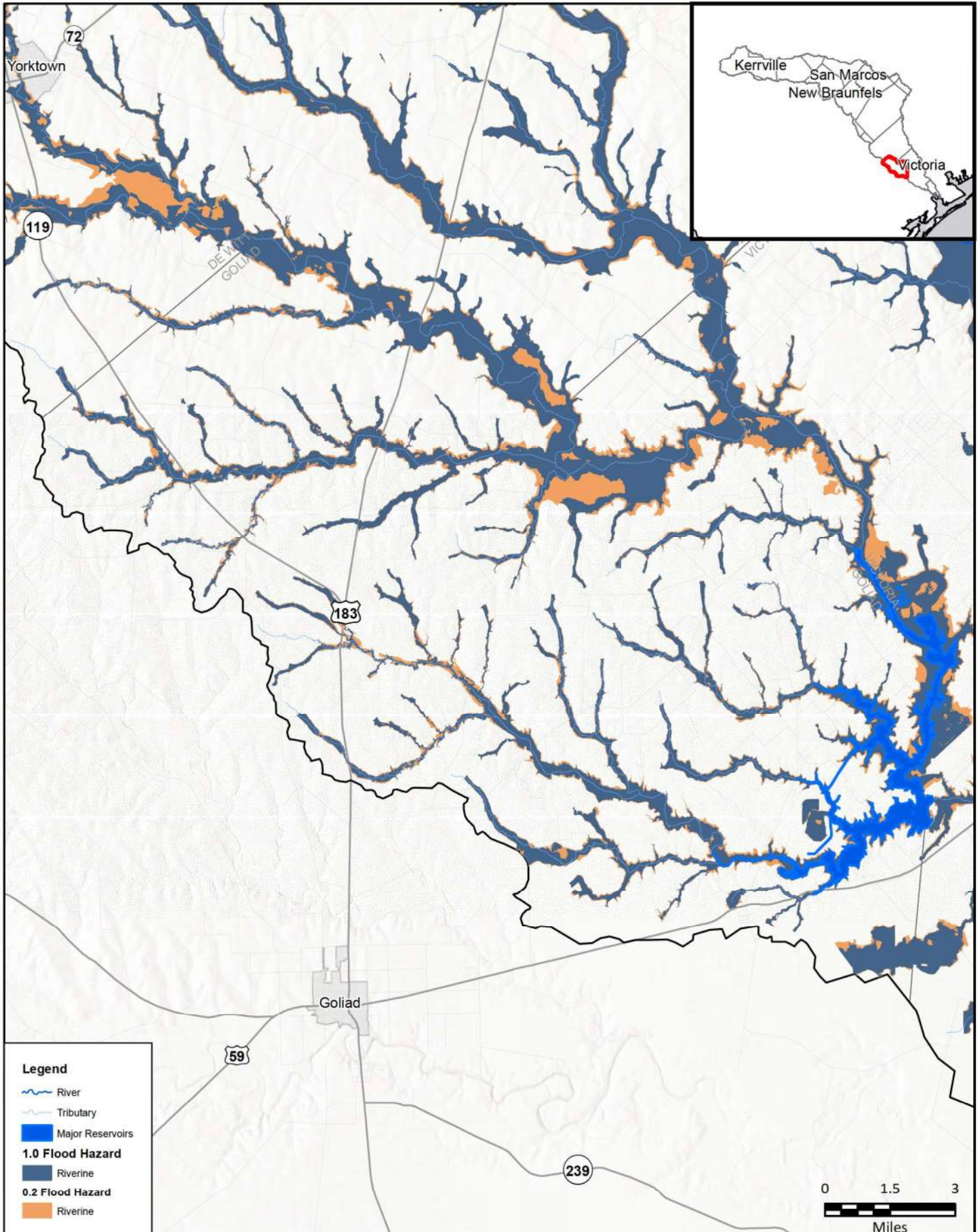
REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

Region 11: Guadalupe  
Map 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.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 4_ExtFidHazardMapbook
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 4 - Existing Flood Hazard Areas

**Goliad County**

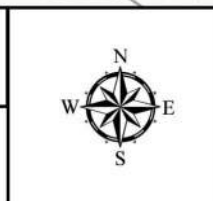
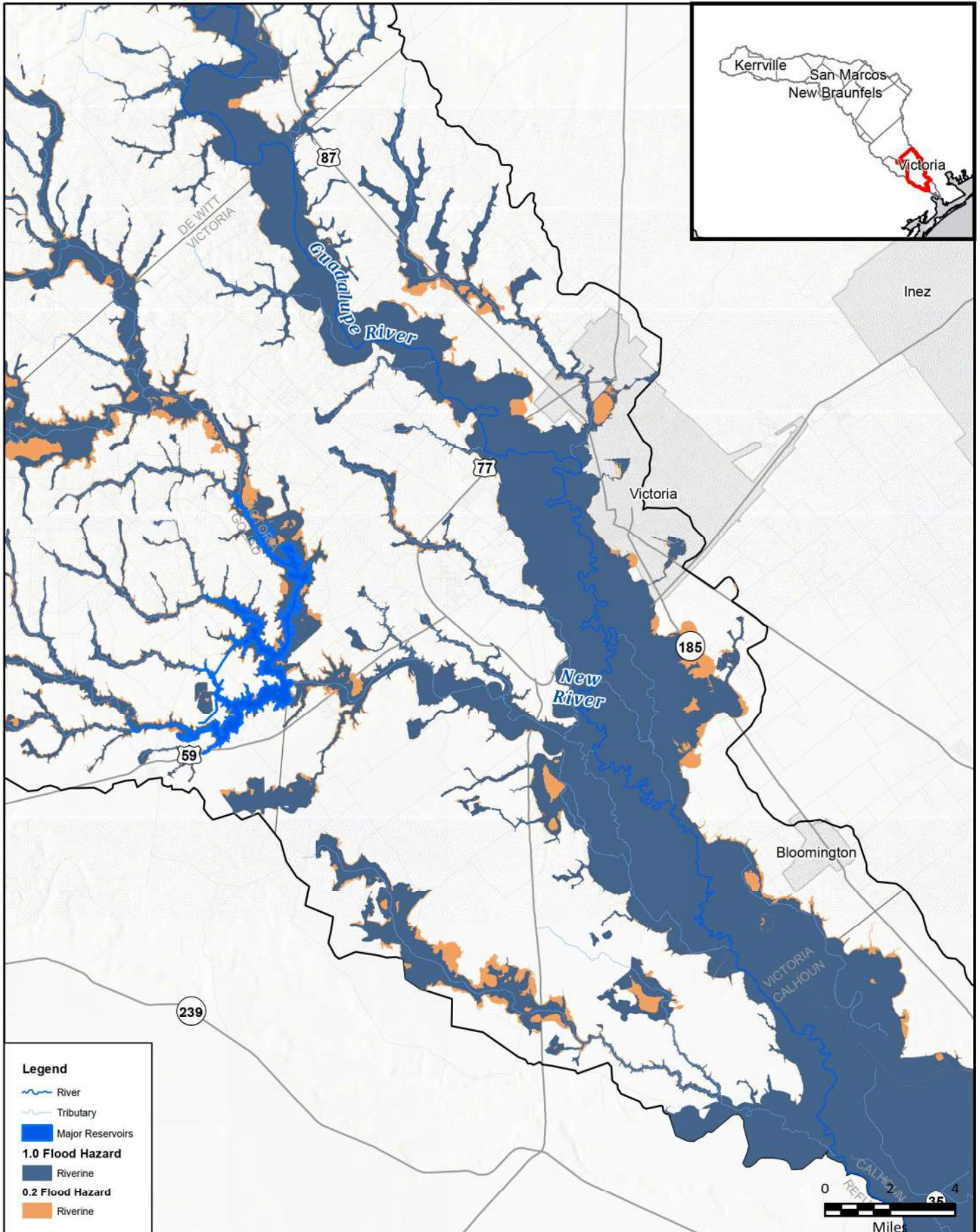


FIGURE  
12 of 14



**Legend**

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

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_ExFldHazardMapbook
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 4 - Existing Flood Hazard Areas

**Victoria County**

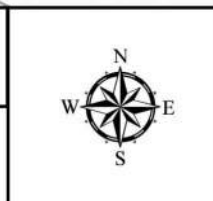
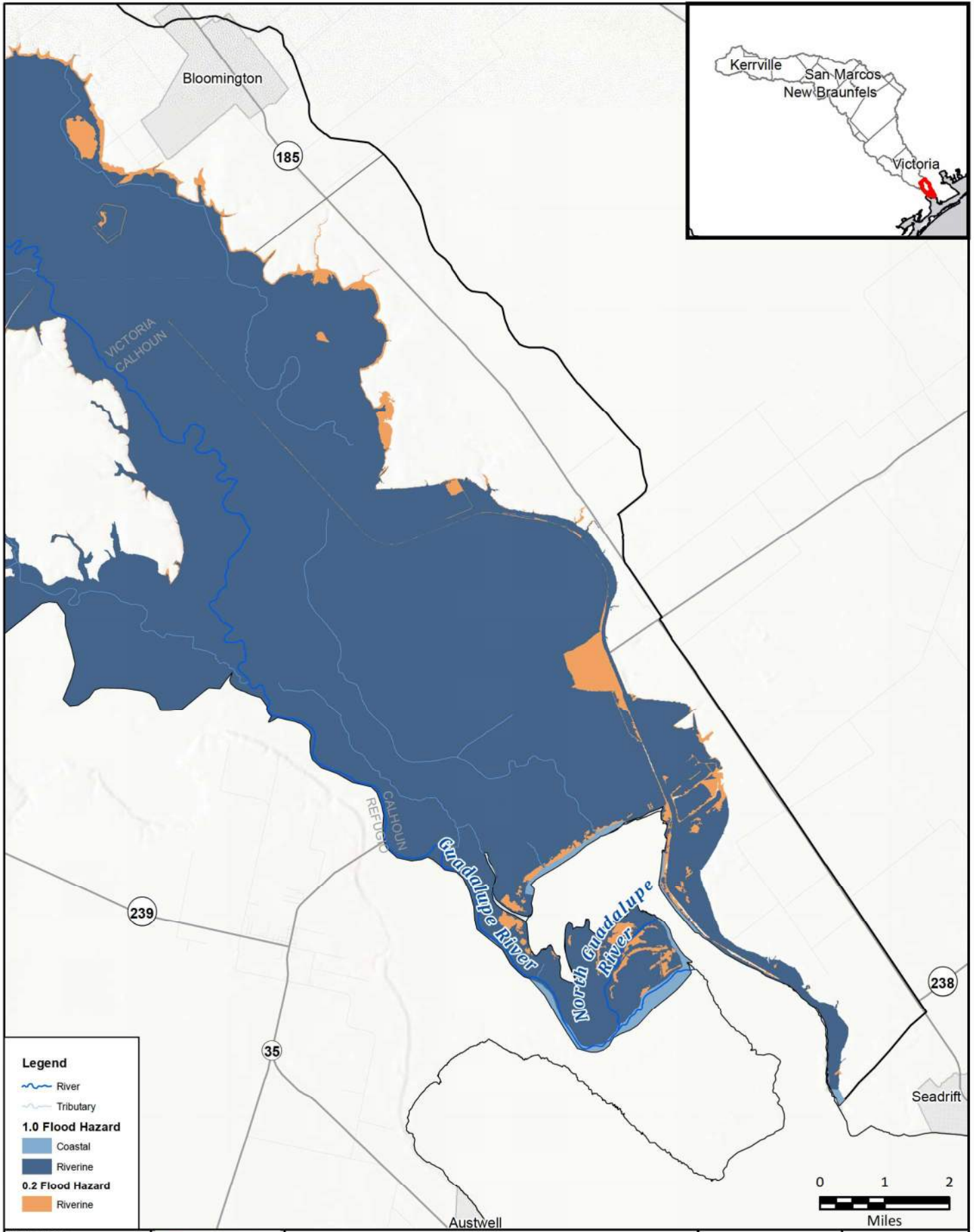


FIGURE  
13 of 14



**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	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 4_ExtFidHazardMapbook
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 4 - Existing Flood Hazard Areas

## Calhoun County



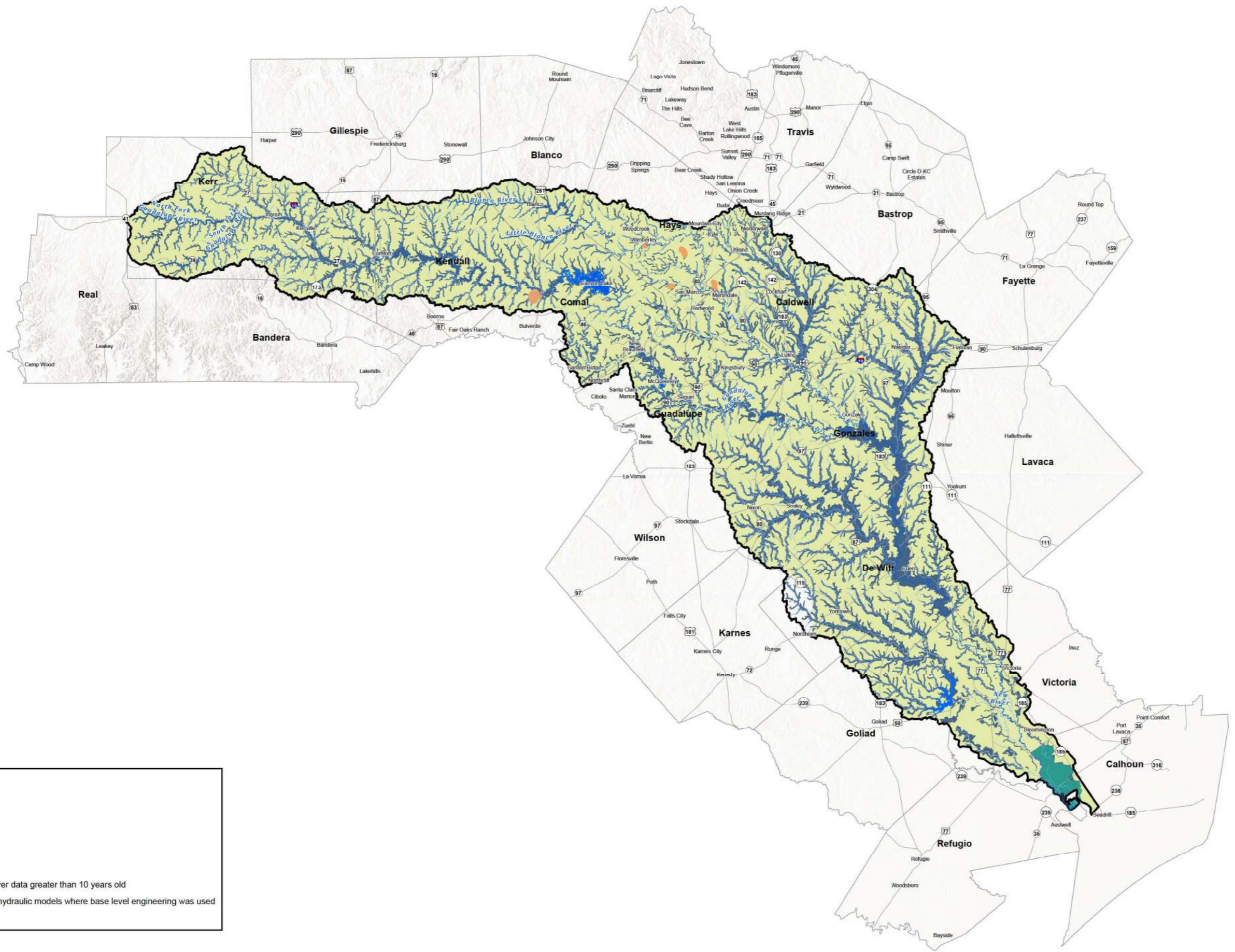
FIGURE  
14 of 14

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



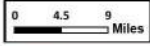
RFPG No.	RFPG Name	County	Area in Flood Planning Region (sqmi)	1% Annual Chance Flood Risk								0.2% Annual Chance Flood Risk								Possible Flood Prone Areas							
				Area in Floodplain (sqmi)	Number of Structures in Floodplain	Residential Structures in Floodplain	Population	Roadway Stream Crossings (#)	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 (#)
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	0.0000	0	0	0	0	0	0	0
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	0.0000	0	0	0	0	0	0	0
11	Guadalupe	Blanco	162.4	9.0	166	121	298	68	14.2	6.4	0	4.2	187	142	421	8	9.4	3.1	0	0.0000	0	0	0	0	0	0	0
11	Guadalupe	Caldwell	486.8	82.2	937	635	2808	254	71.2	55.8	7	14.2	680	459	1768	34	34.0	10.5	11	0.0947	4	2	14	0	0	0	0
11	Guadalupe	Calhoun	71.2	45.8	114	95	271	6	4.8	3.2	0	2.1	2	0	0	0	0.7	0.8	0	0.0000	0	0	0	0	0	0	0
11	Guadalupe	Comal	475.7	60.7	3676	2781	12761	225	92.6	14.8	6	13.8	5496	4297	26994	31	92.0	3.7	23	0.9812	214	212	502	0	5	0	0
11	Guadalupe	De Witt	685.5	135.3	3095	1911	6483	325	115.1	97.5	19	25.9	1289	805	4534	37	46.8	22.0	25	0.0000	0	0	0	0	0	0	0
11	Guadalupe	Fayette	70.8	9.3	26	14	32	48	8.4	5.2	0	2.3	33	14	43	4	3.5	2.0	0	0.0000	0	0	0	0	0	0	0
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	0.0000	0	0	0	0	0	0	0
11	Guadalupe	Goliad	195.6	30.8	166	57	326	80	11.7	20.6	3	9.3	104	35	153	12	7.0	7.7	2	0.0000	0	0	0	0	0	0	0
11	Guadalupe	Gonzales	1056.8	227.2	1648	760	2568	446	123.7	158.5	4	29.1	704	365	1654	36	35.0	25.8	1	0.0000	0	0	0	0	0	0	0
11	Guadalupe	Guadalupe	540.6	80.2	5822	4851	15390	321	116.7	39.8	14	16.7	1798	1286	4390	43	37.7	9.1	6	0.0000	0	0	0	0	0	0	0
11	Guadalupe	Hays	376.7	46.1	4359	3223	27320	299	100.0	16.5	15	8.7	2707	1954	19273	11	47.1	3.0	8	0.1909	67	57	184	4	1	0	0
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	0.0000	0	0	0	0	0	0	0
11	Guadalupe	Kendall	502.9	47.0	1374	715	2574	172	44.4	37.8	4	13.3	820	315	1619	26	20.4	10.2	2	0.0000	0	0	0	0	0	0	0
11	Guadalupe	Kerr	769.6	62.5	3832	2315	11536	441	124.1	43.9	6	24.2	3480	2318	12365	81	71.1	16.6	9	0.0000	0	0	0	0	0	0	0
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	0.0000	0	0	0	0	0	0	0
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	0.0000	0	0	0	0	0	0	0
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	0.0000	0	0	0	0	0	0	0
11	Guadalupe	Victoria	413.7	133.3	1808	1382	6566	140	98.5	52.6	49	16.1	1126	954	3651	5	31.5	9.5	0	0.0000	0	0	0	0	0	0	0
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	0.0000	0	0	0	0	0	0	0

**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





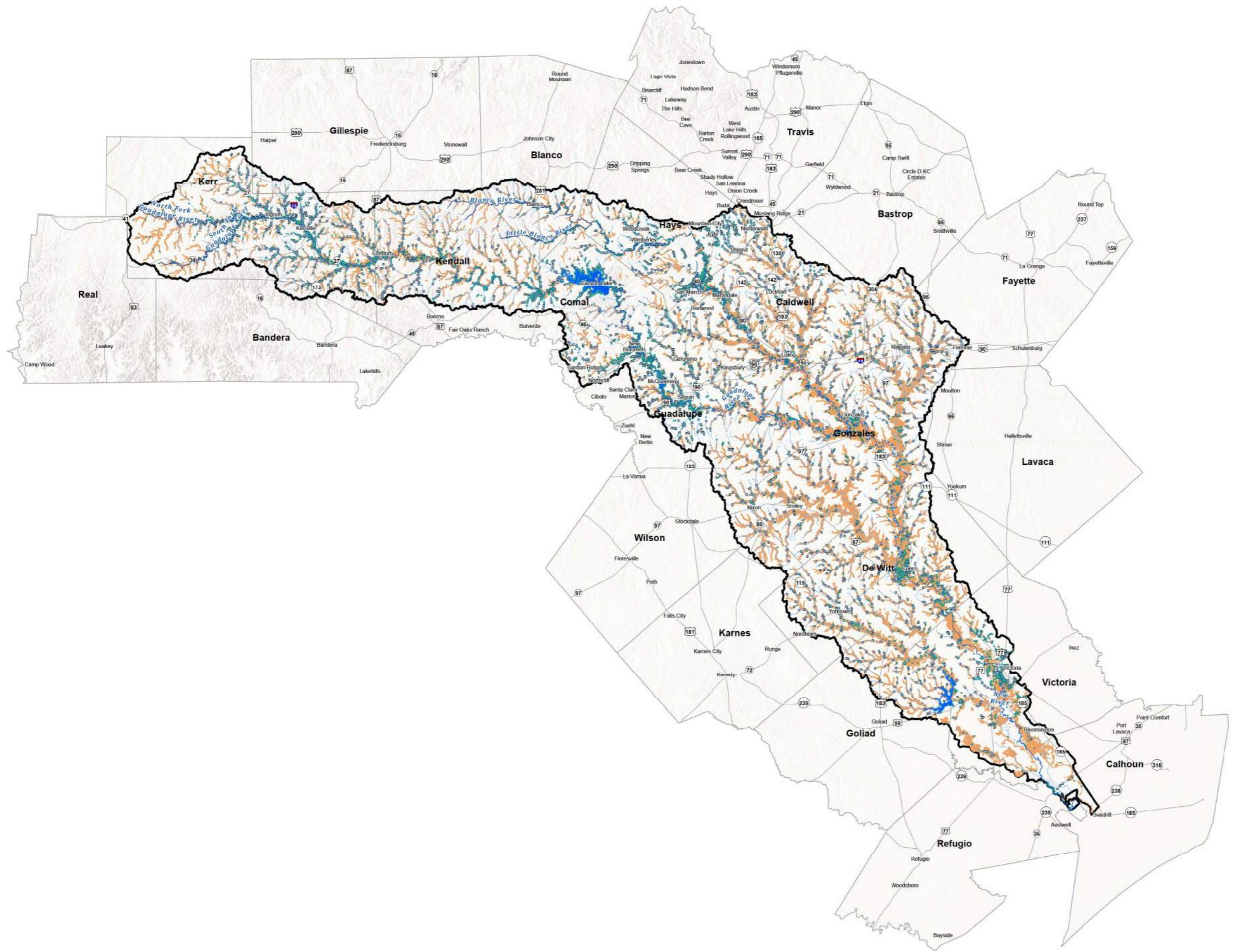


**Existing Condition Flood Hazard - Gaps in Inundation Boundary Mapping and Identify Flood-Prone Areas**

Region 11: Guadalupe

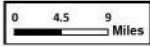
PROJECT NO.	GRA21302	<b>Map</b> <b>5</b>
PROJECT TITLE	Region 11 Flood Prone Areas	
DATE	7/20/2023	
SCALE	1 in = 9 miles	
DRAWN BY	GRAND	

## Map 6: Existing Condition Flood Exposure



**Legend**

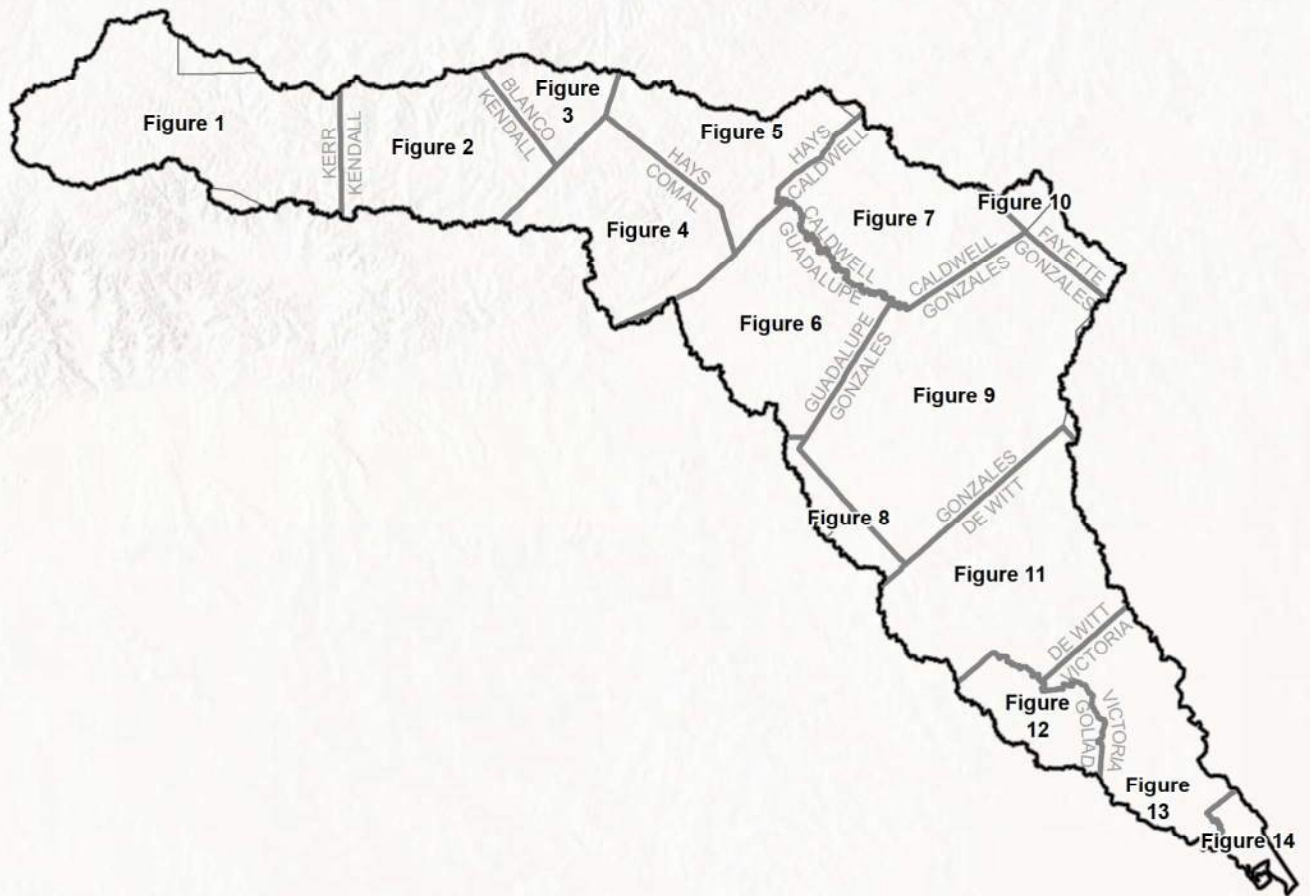
- Major Reservoirs
- River
- Tributary
- Exposed Roadway Crossing
- Buildings
- Agricultural Land
- Flood Planning Region



**Map 6 Region - Existing Condition Flood Exposure**

Region 11: Guadalupe

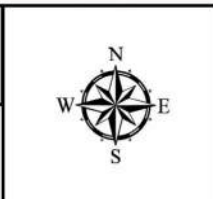
PROJECT NO.	GR421302	Map
DATE	7/29/2021	<b>6</b>
SCALE	1 in = 9 miles	
DRAWN BY	GRAD	



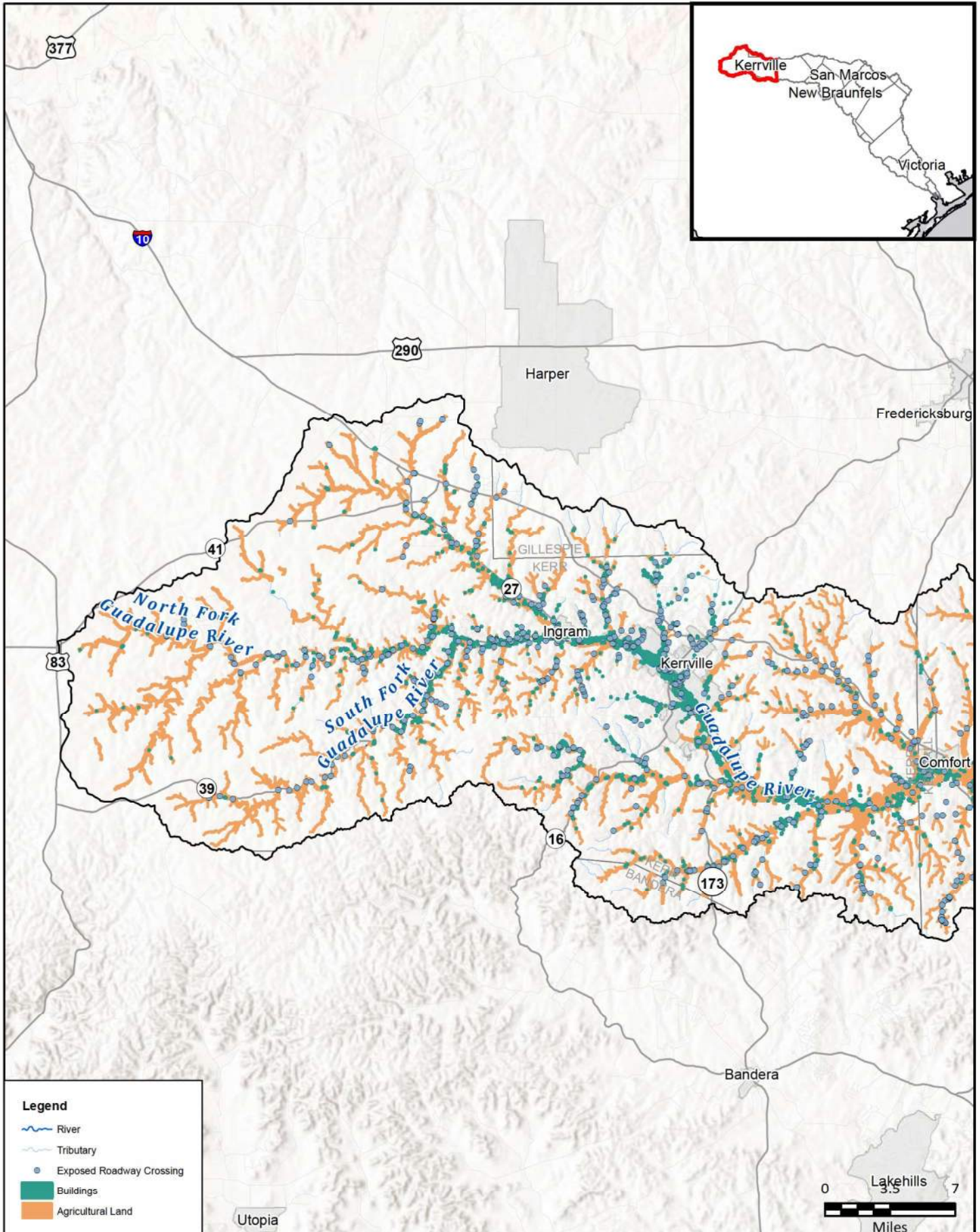
FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/19/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExp_Index
PREPARED BY	02405

  
**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

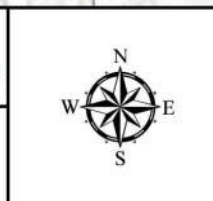


FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

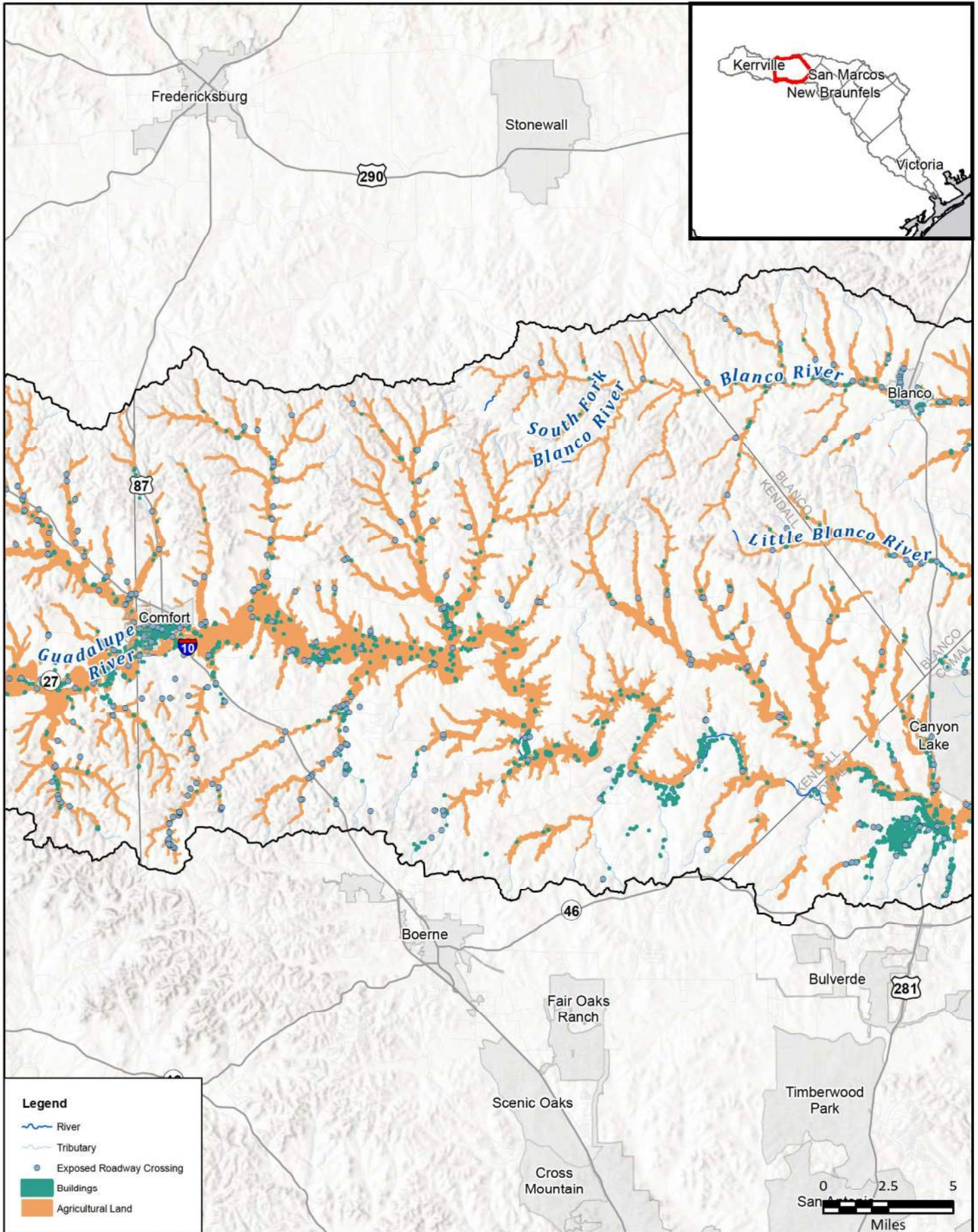
REGION 11  
**GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**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**  
**Kerr County**



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

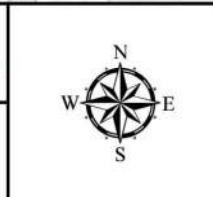


FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

REGION  
**GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

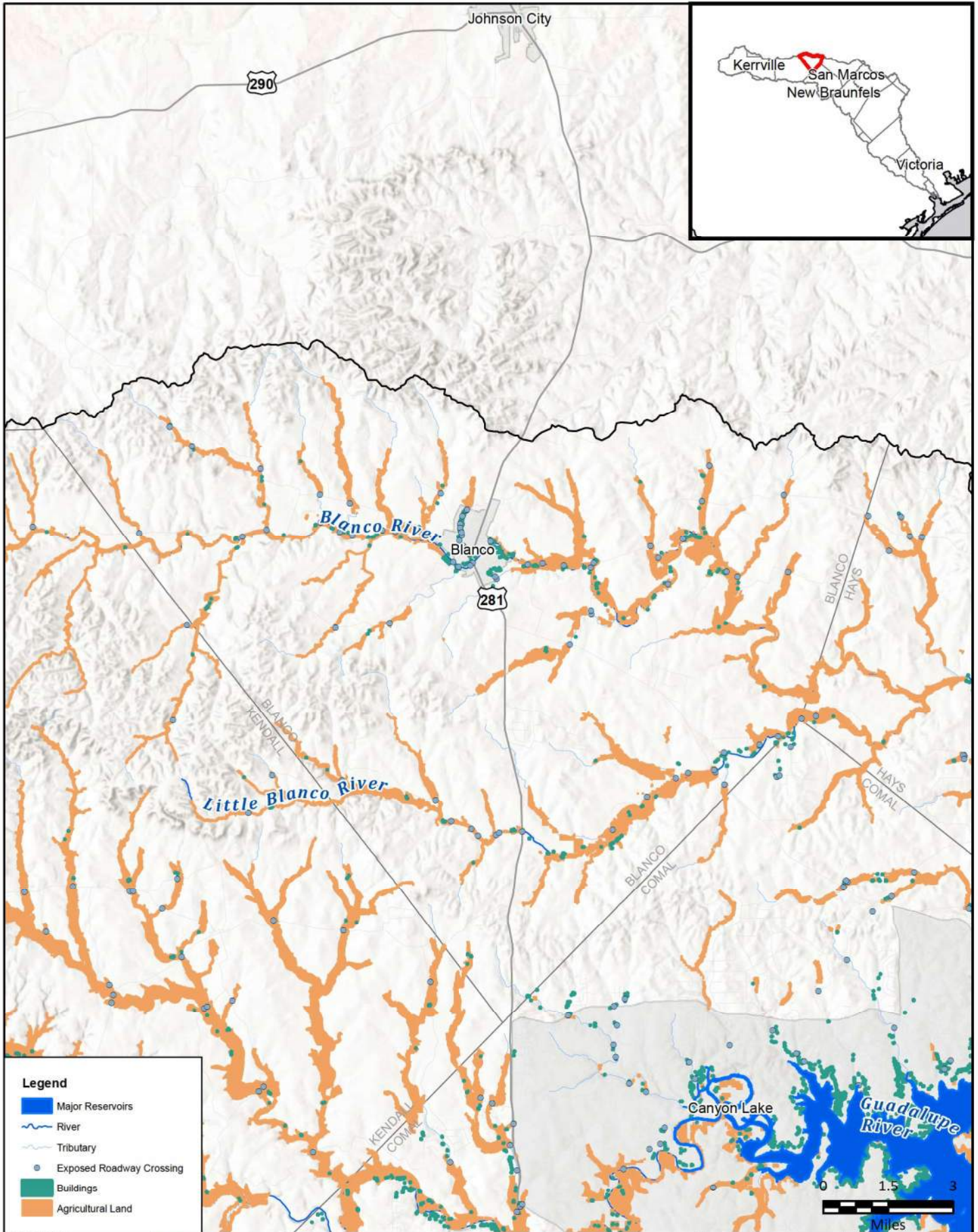
**FREESE AND NICHOLS**  
FREESE AND NICHOLS, INC.  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

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



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





FN PROJECT NO.	0BA21362
DATE CREATED	Date: 7/14/2022
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

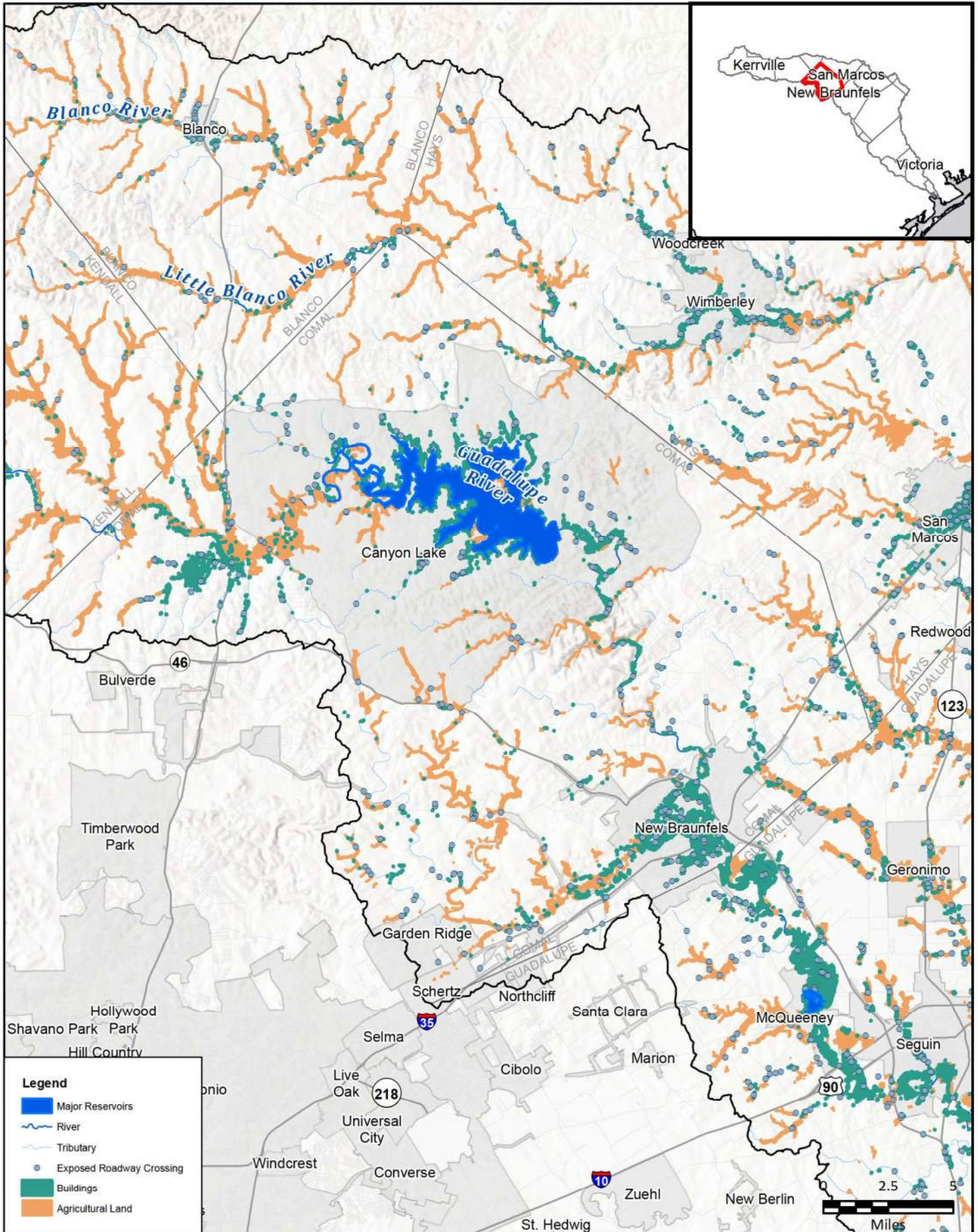
Region 11: Guadalupe

**Map 6 - Existing Condition Flood Exposure**

**Blanco County**



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

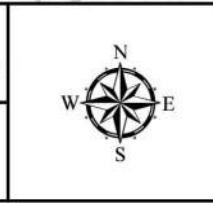


FN PROJECT NO.	OB21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

REGION 11  
**GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

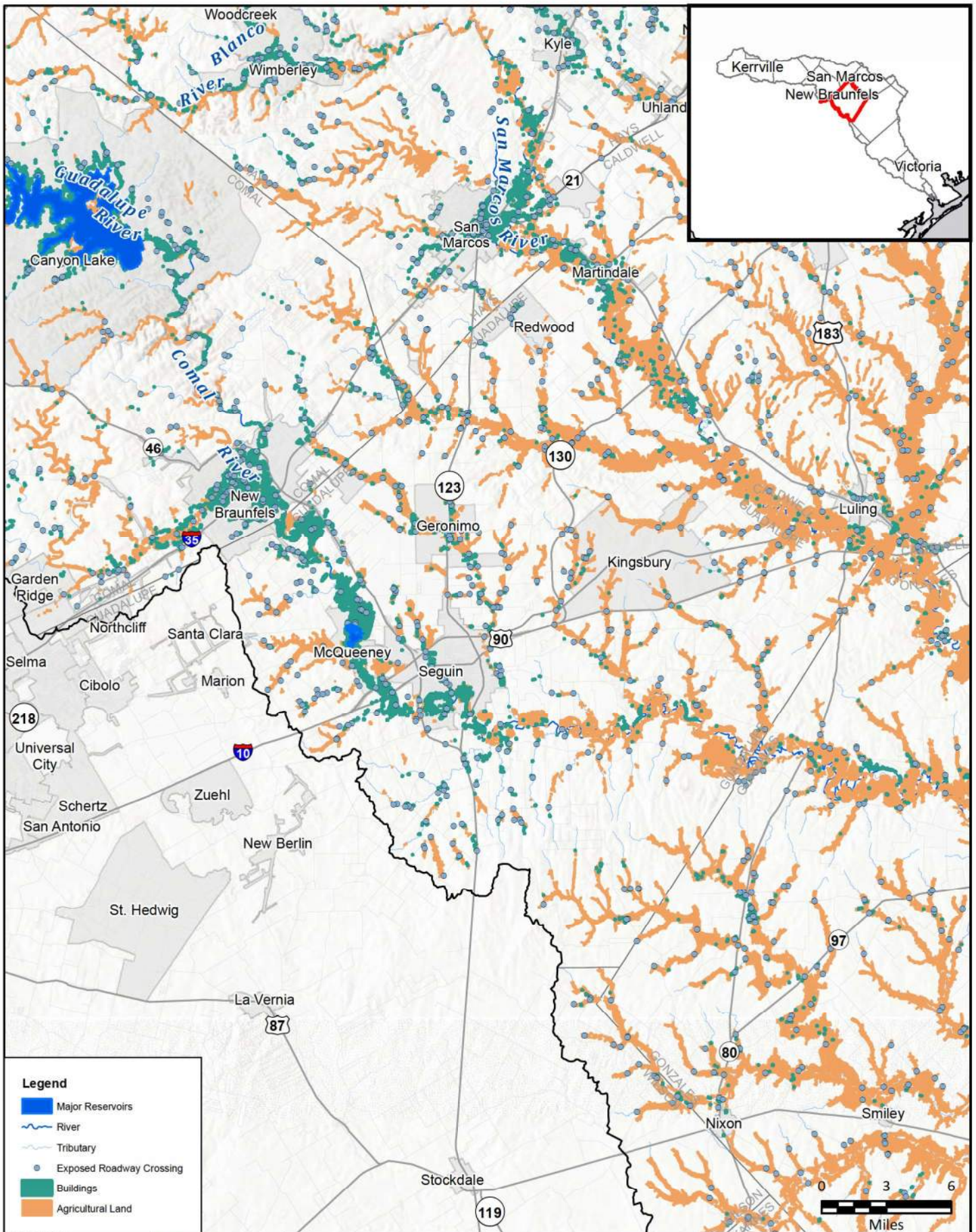
**FRESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

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



**FIGURE**  
4 of 14





FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
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

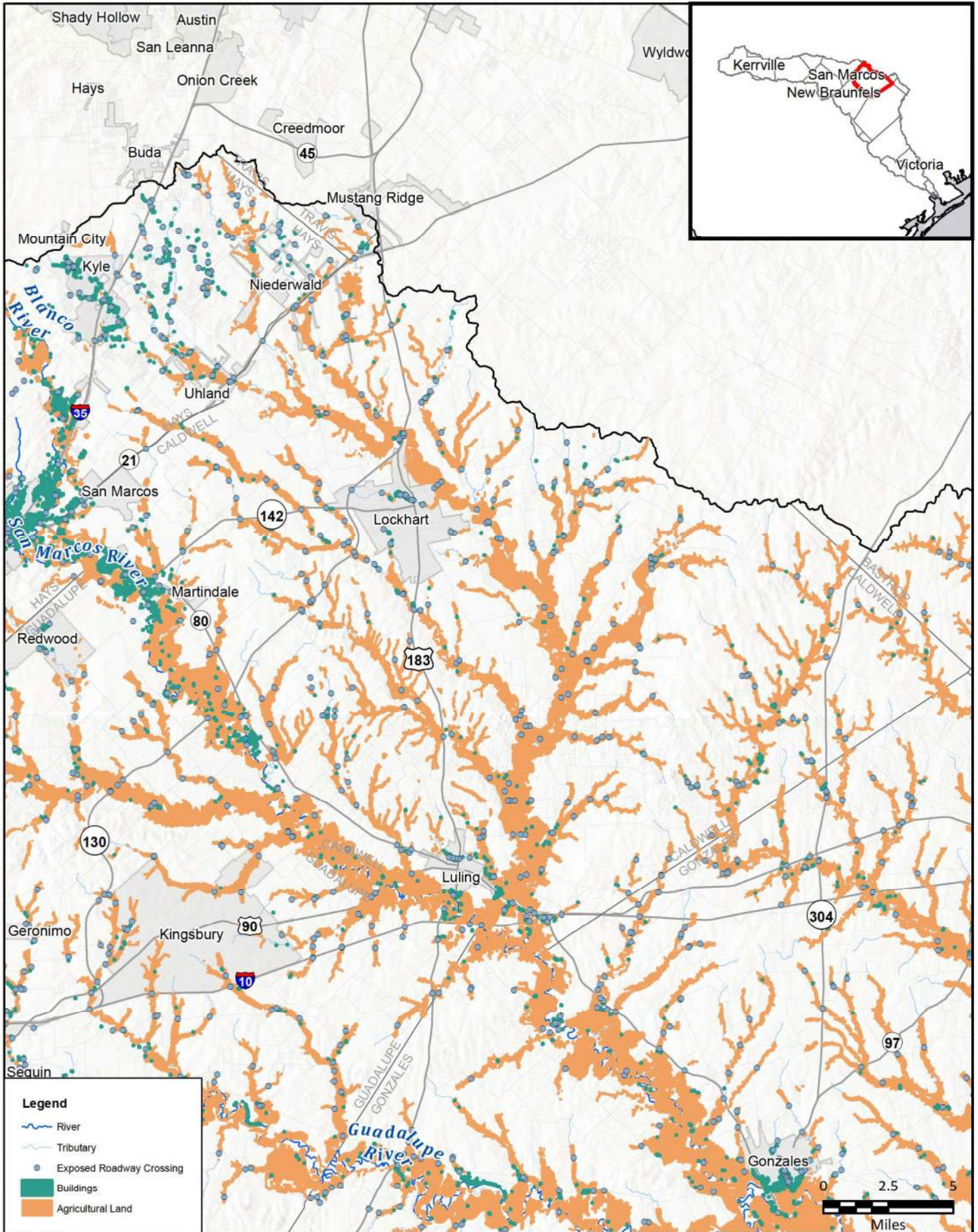
**FREESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 6 - Existing Condition Flood Exposure

## Guadalupe County



FIGURE  
6 of 14

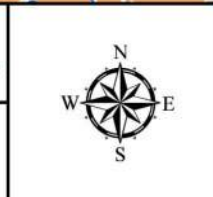


FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

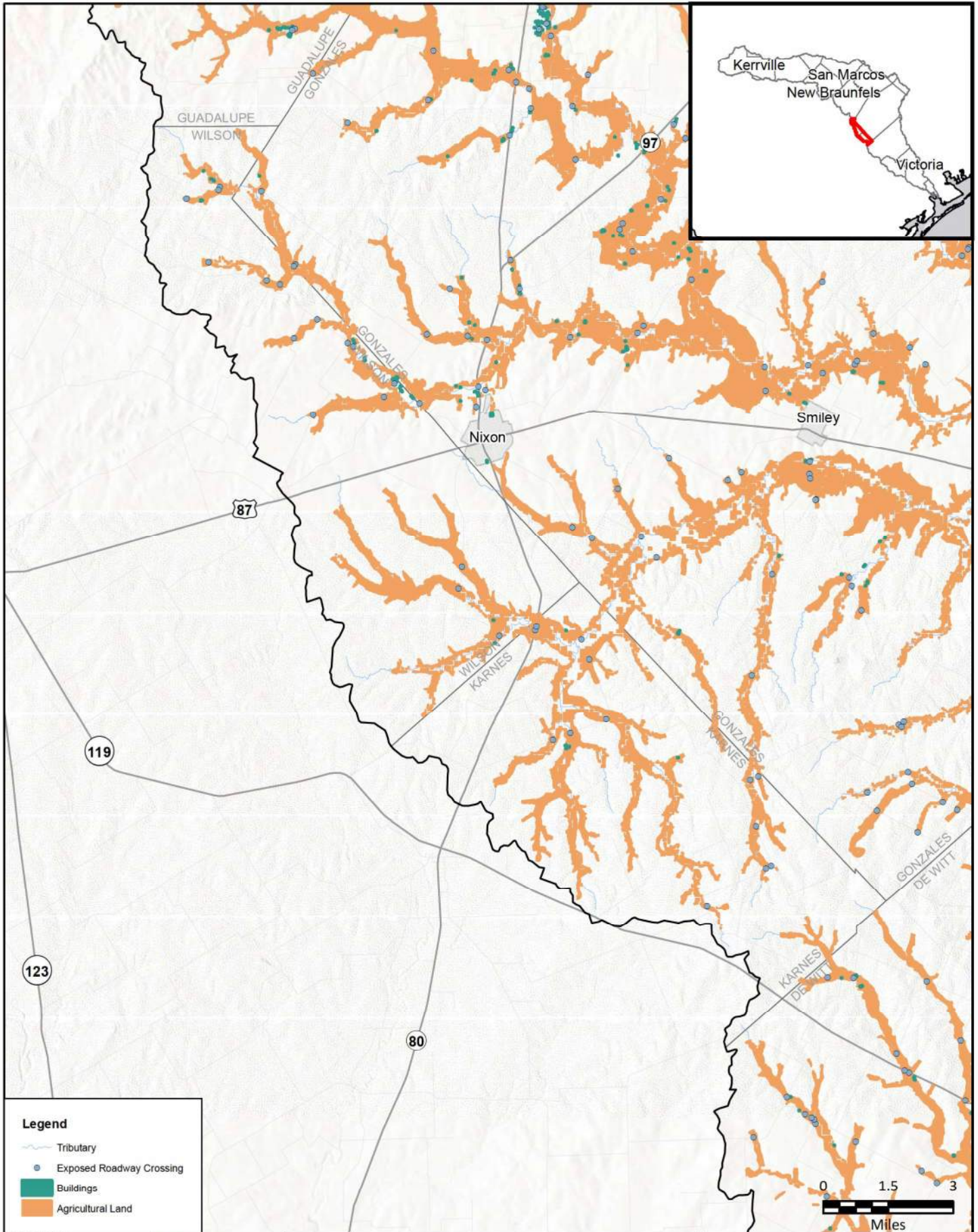
REGION 11  
**GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**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**  
**Caldwell County**



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



**Legend**

- Tributary
- Exposed Roadway Crossing
- Buildings
- Agricultural Land

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

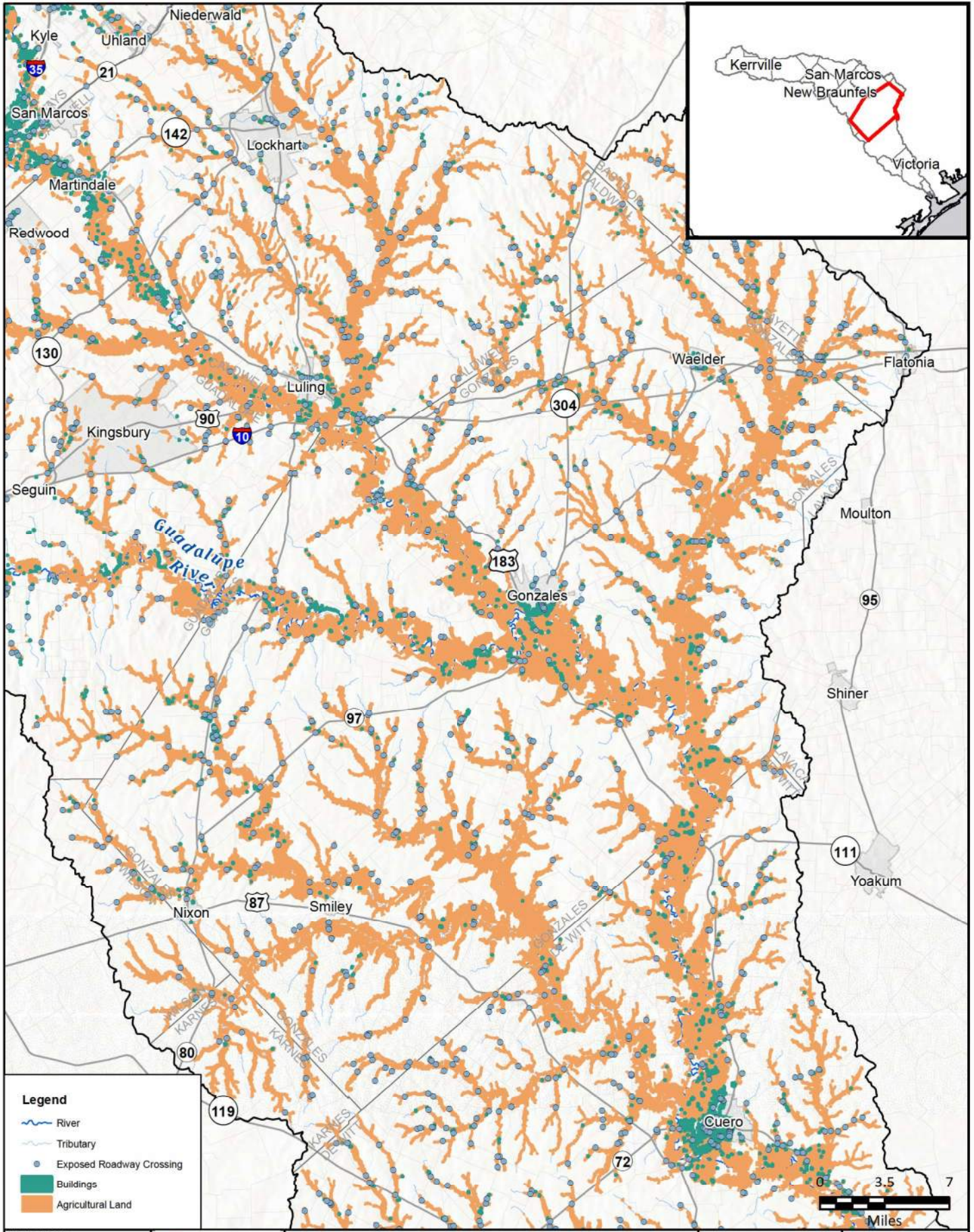
REGION 11  
**GUADALUPE**  
 REGIONAL FLOOD PLANNING GROUP

**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**  
**Wilson & Karnes Counties**



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



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

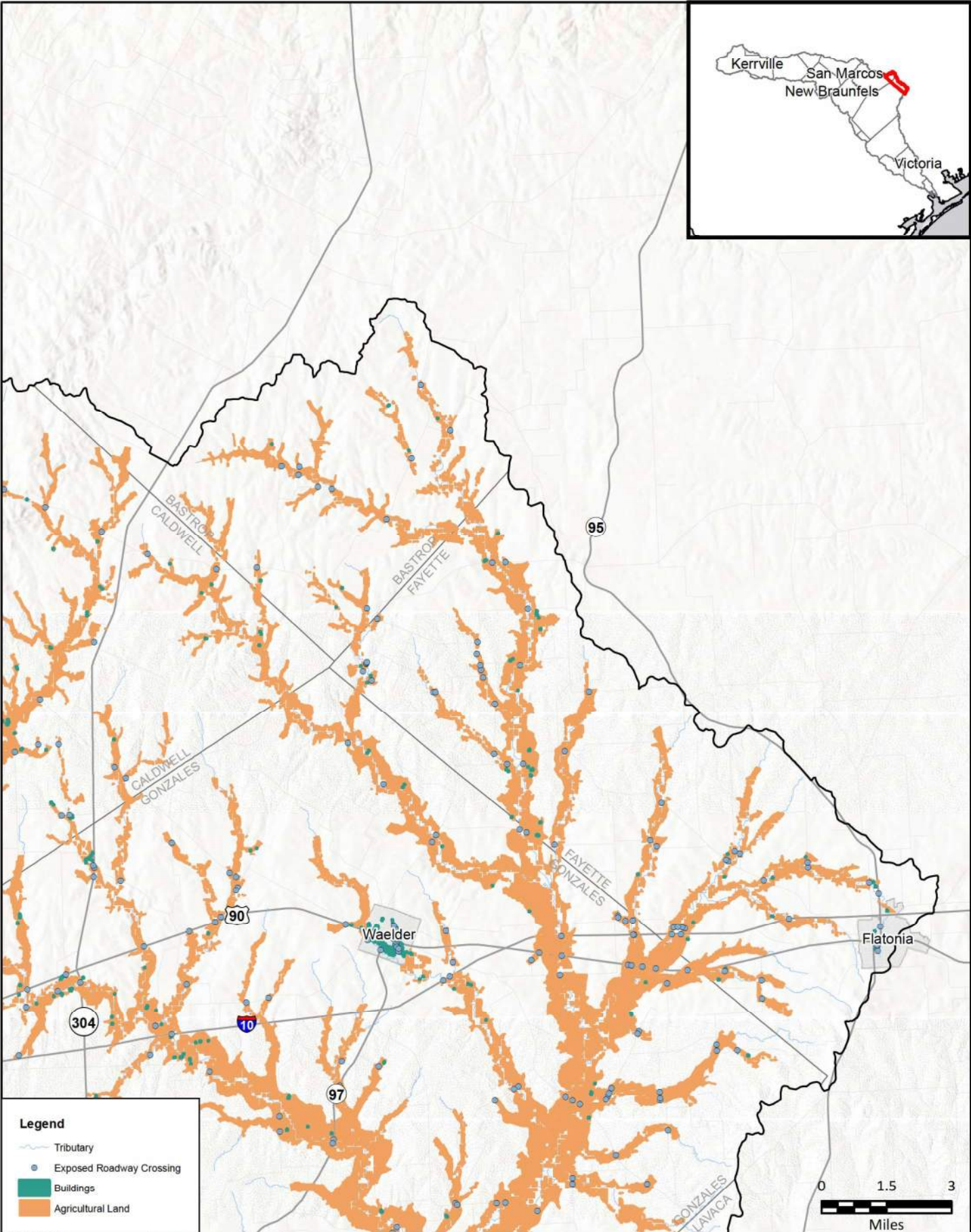
REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FREES 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**

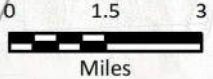


FIGURE  
9 of 14



**Legend**

- Tributary
- Exposed Roadway Crossing
- Buildings
- Agricultural Land



FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
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

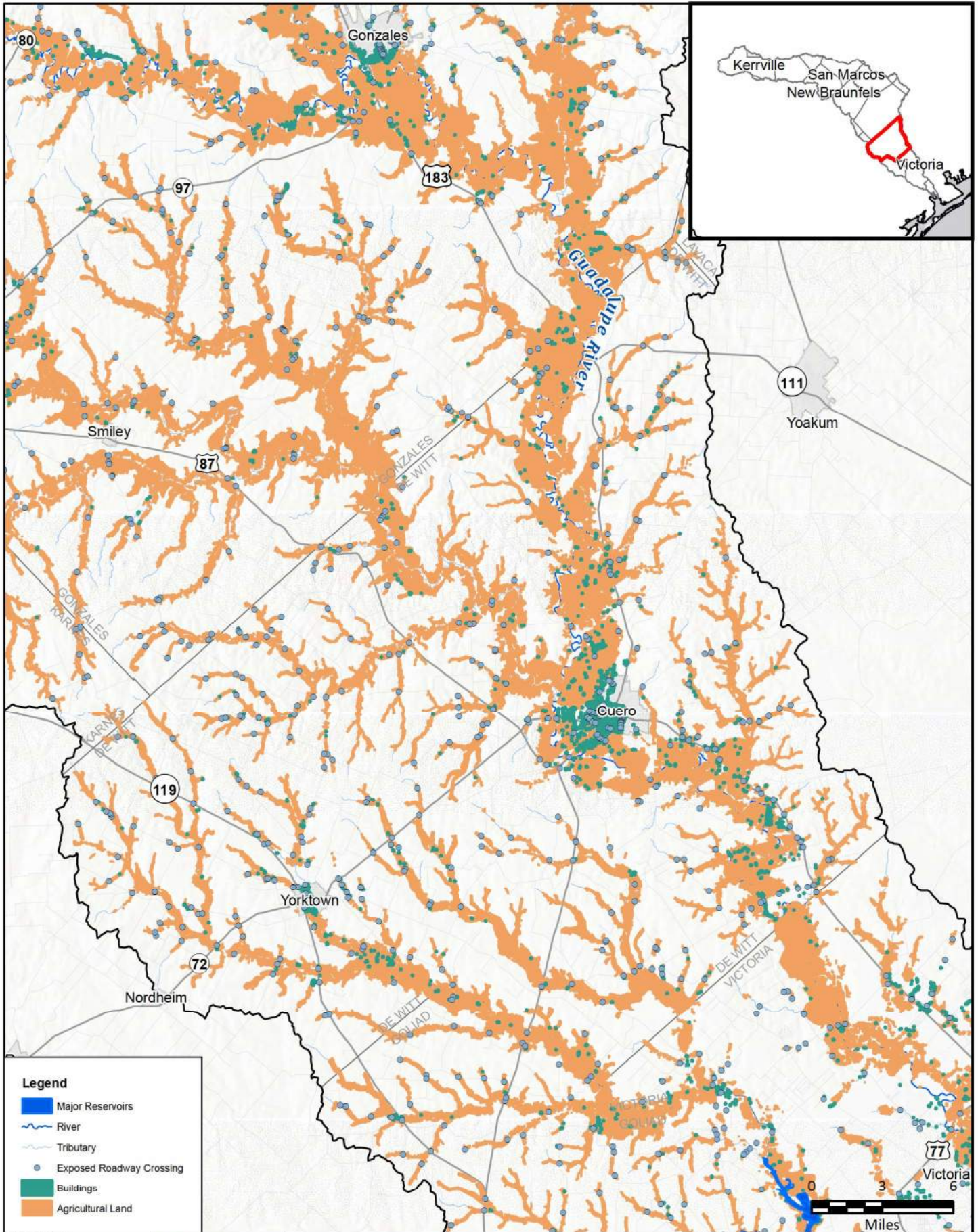
**FREESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

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



**FIGURE**  
10 of 14





FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
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**  
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**

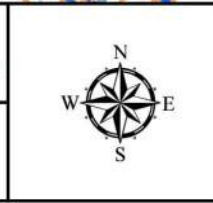
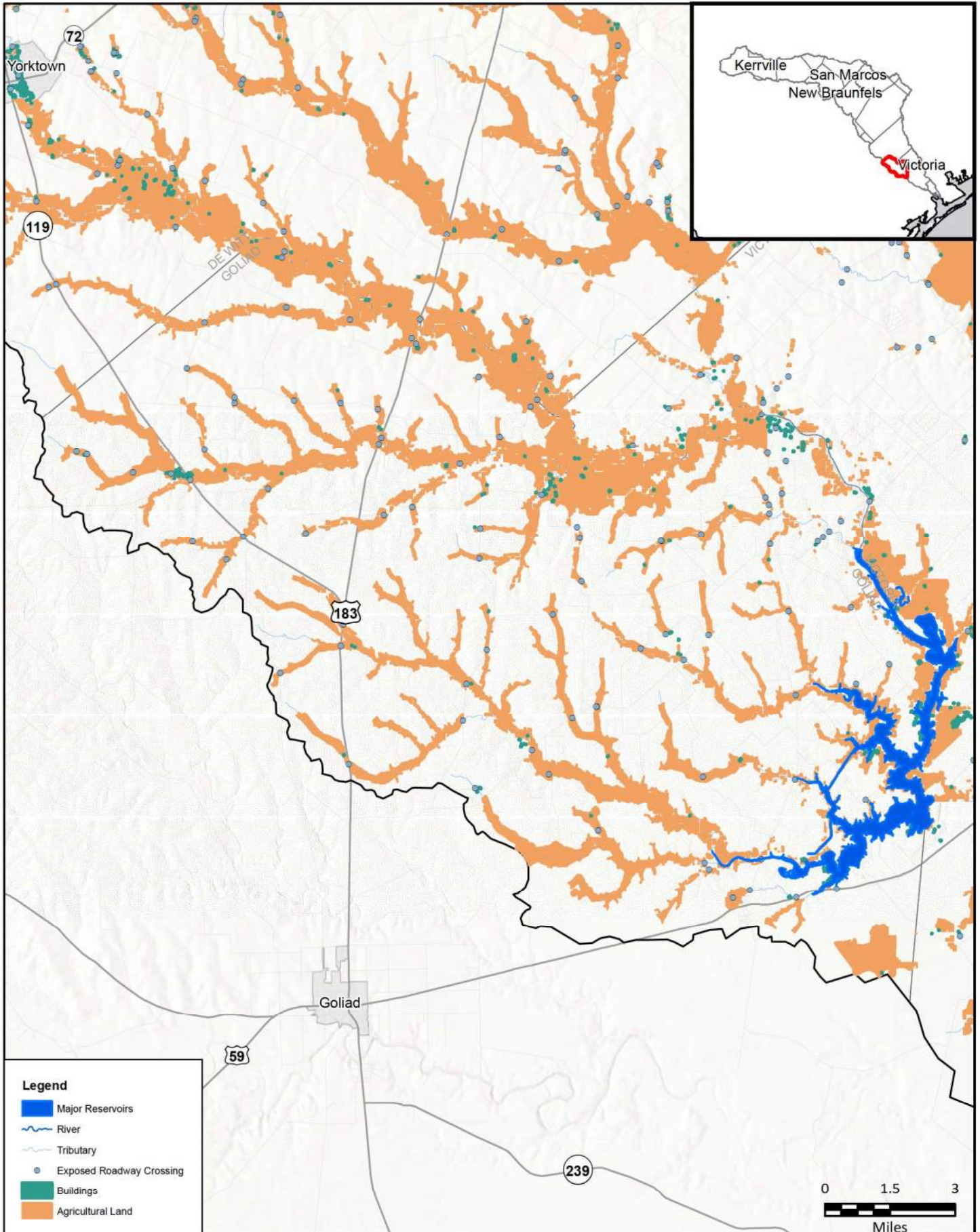


FIGURE  
11 of 14



**Legend**

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

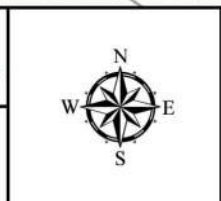


FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 6_ExistingFloodExpMapbook
PREPARED BY	02405

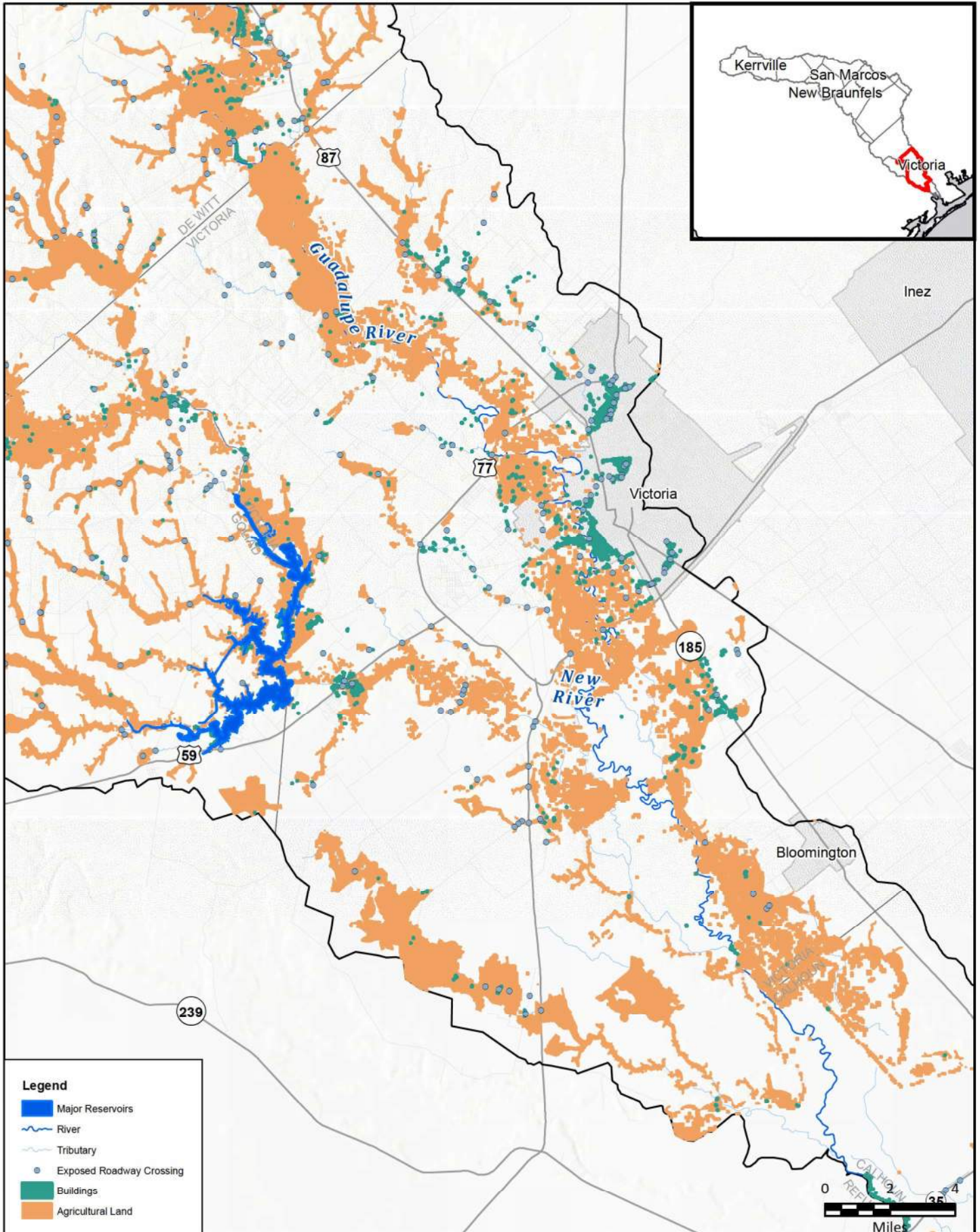
REGION 11  
**GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FREESE AND NICHOLS, 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.	OBA21362
DATE CREATED	Date: 7/14/2022
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

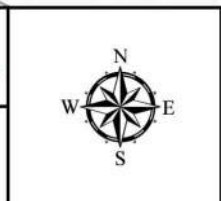
**FRESE AND NICHOLS**

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

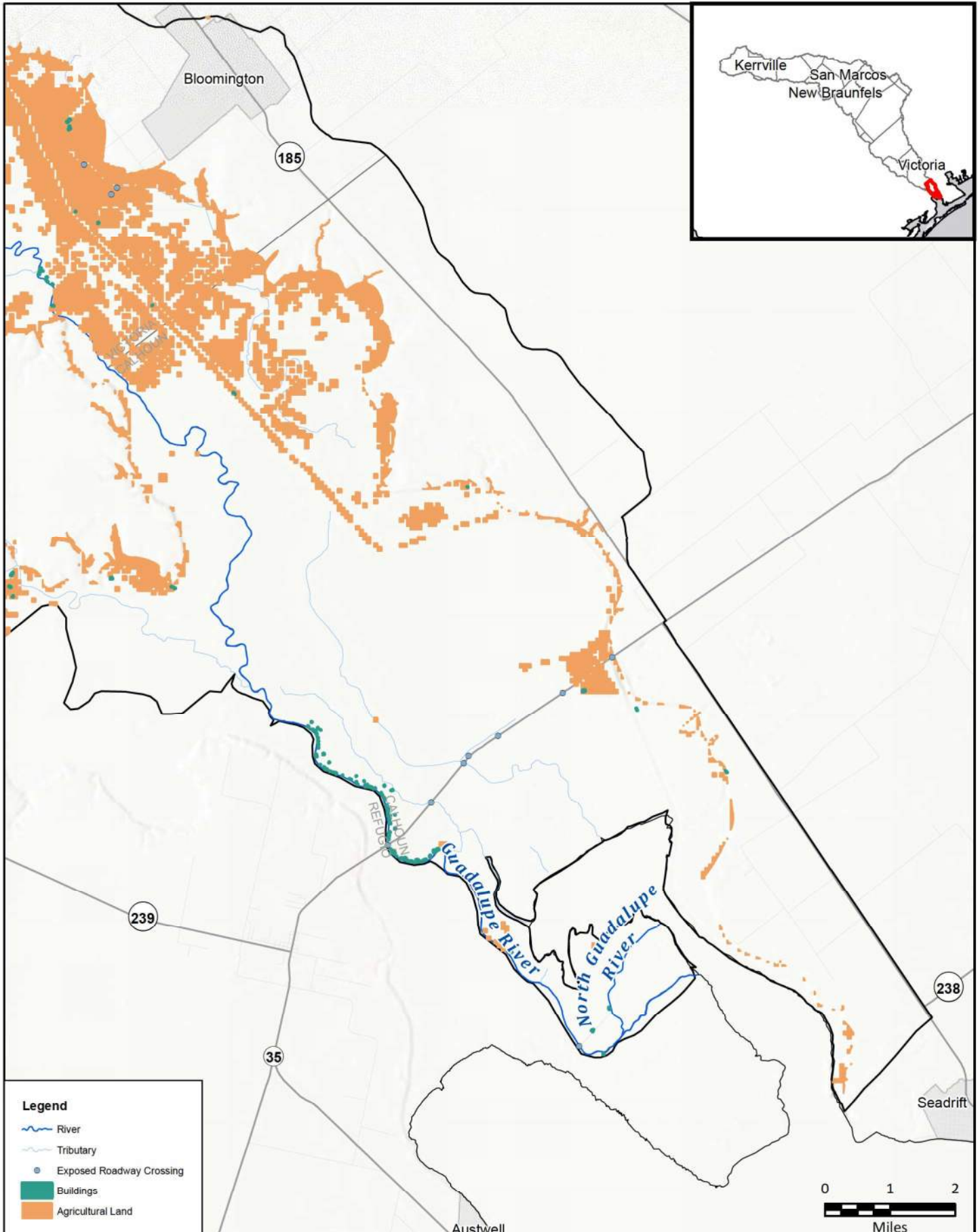
Region 11: Guadalupe

**Map 6 - Existing Condition Flood Exposure**

**Victoria County**



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



**Legend**

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



FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
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

**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  
**Calhoun County**

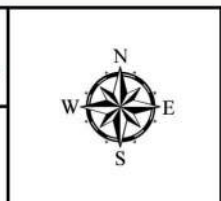
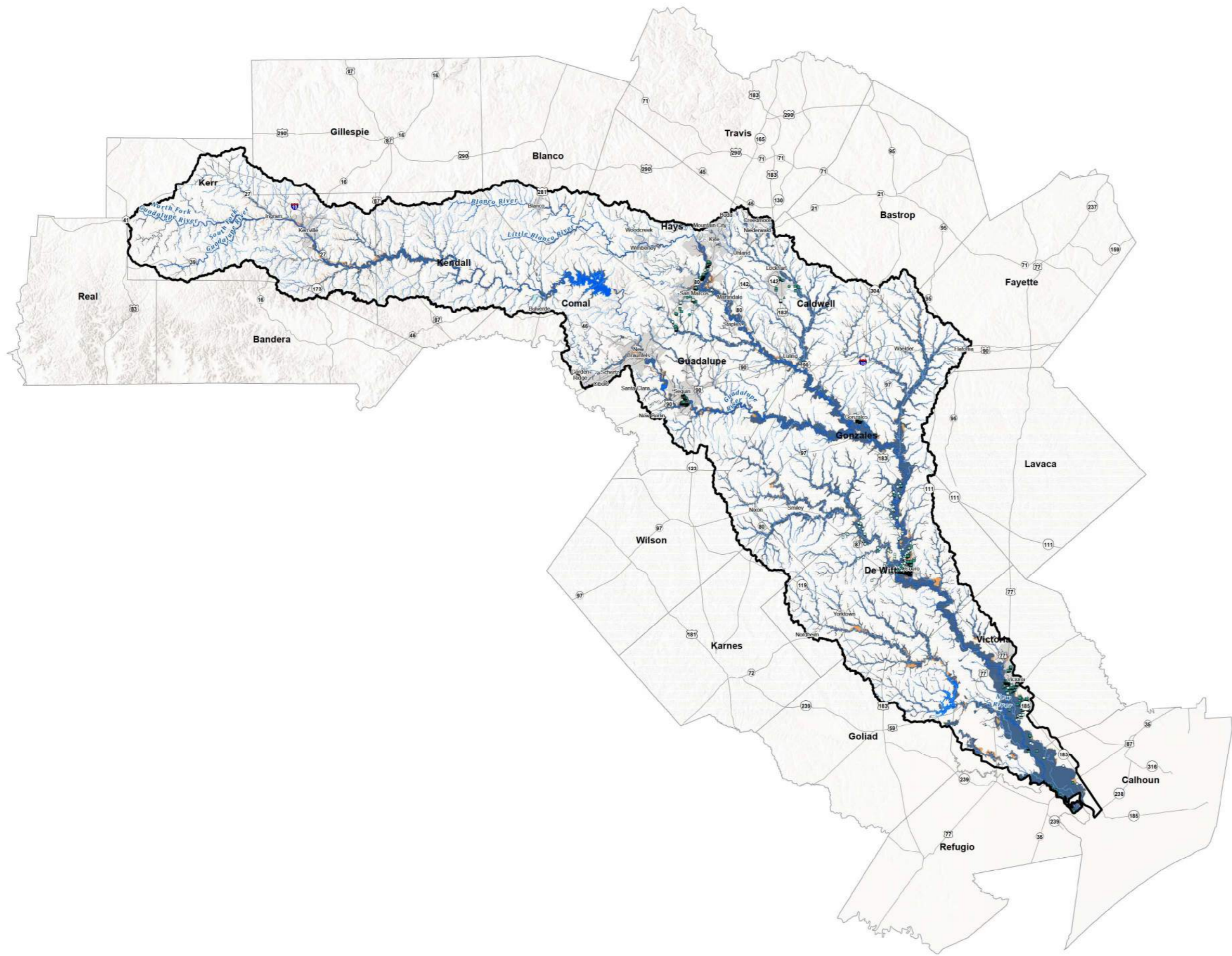


FIGURE  
14 of 14

**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

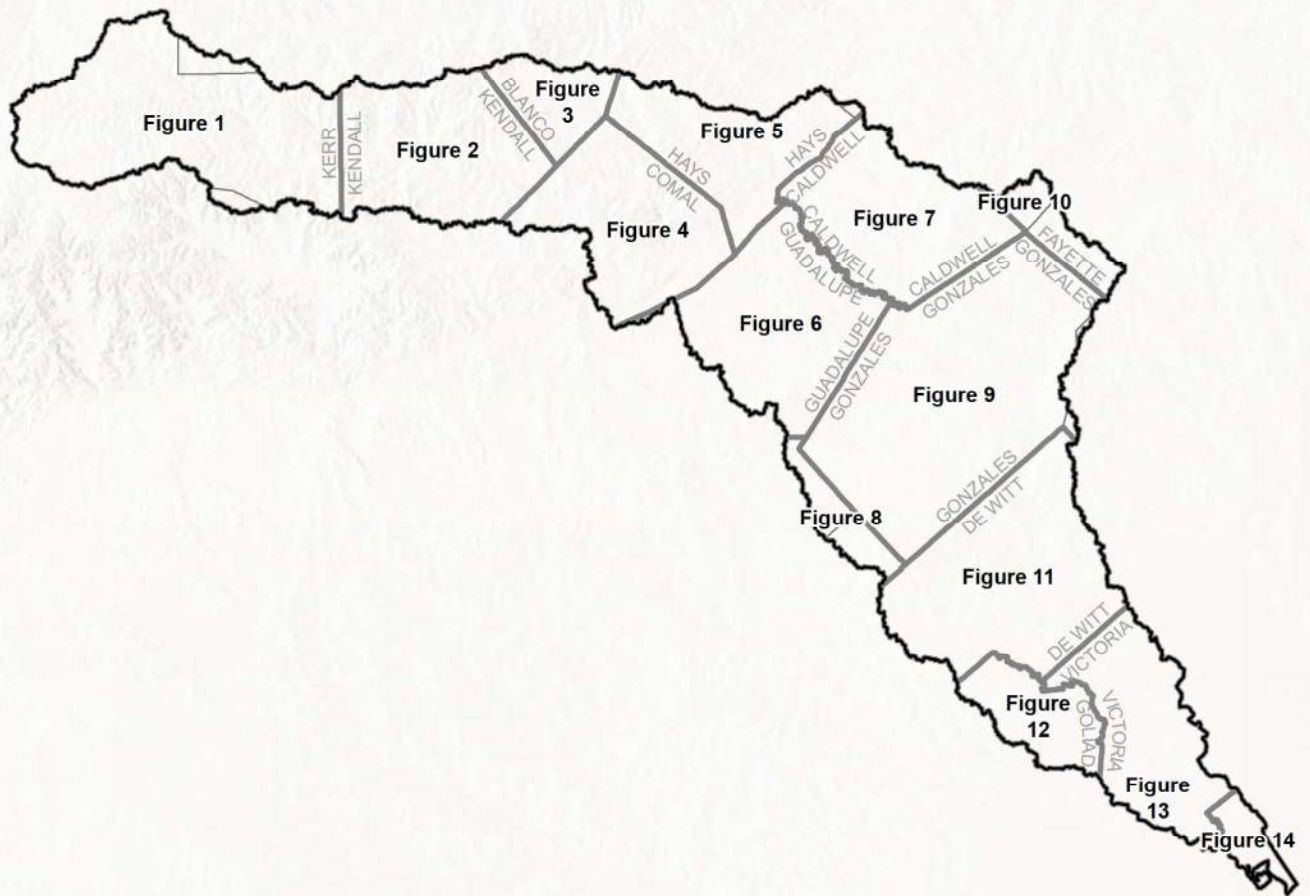
**Map 7 Region - Existing Vulnerability at Critical Facilities**

Region 11: Guadalupe

0 4.5 9 Miles

IN JOB NO	GRA21302
DATE	7/20/2022
SCALE	1 in = 9 miles
DRAFTED	GRAS

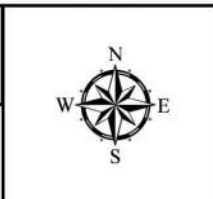
Map **7**



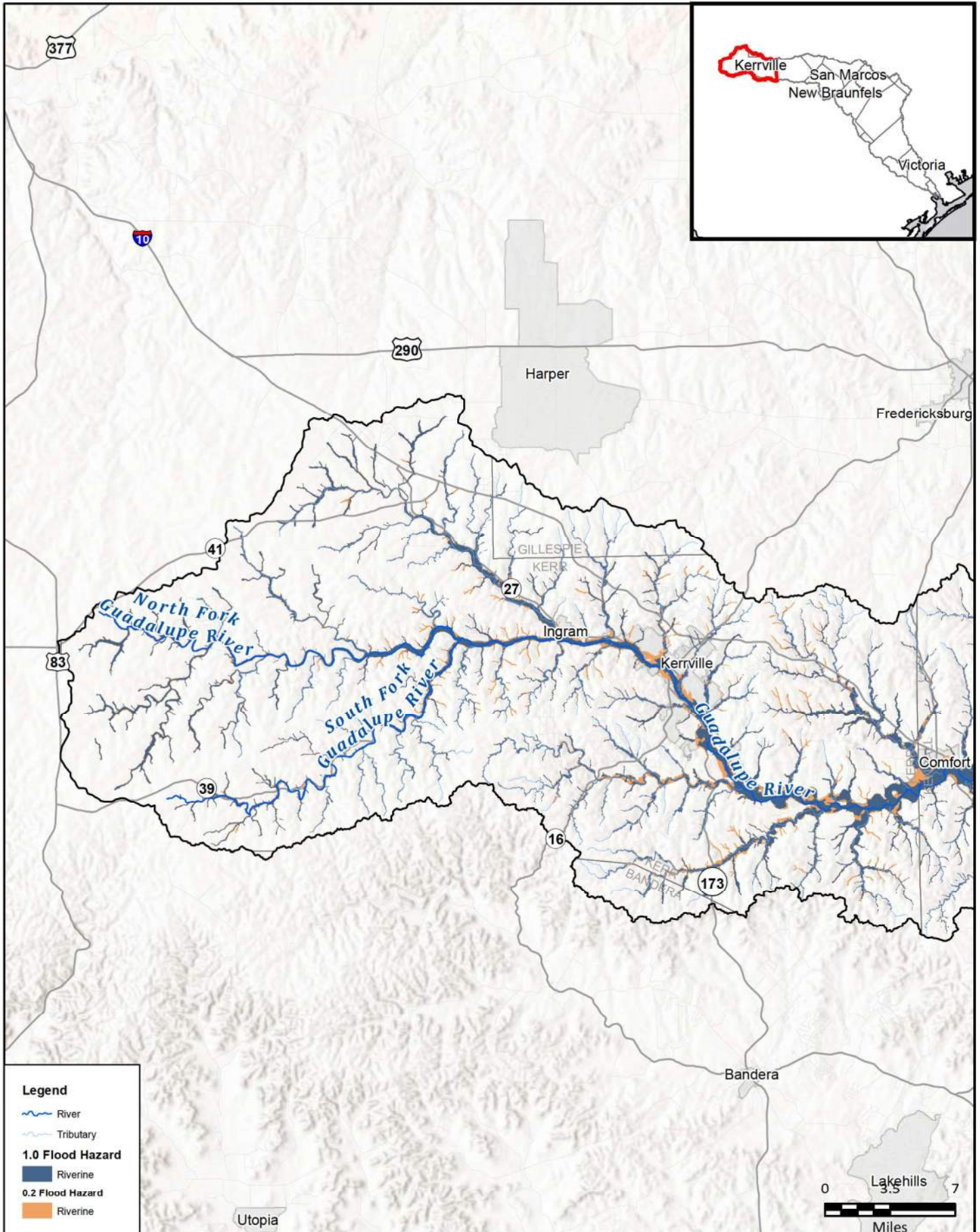
FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/20/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExVulnerability_Index
PREPARED BY	02405

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

Region 11: Guadalupe  
 Map 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: 7/20/2022
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**

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

**Kerr County**

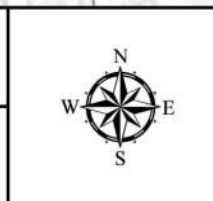
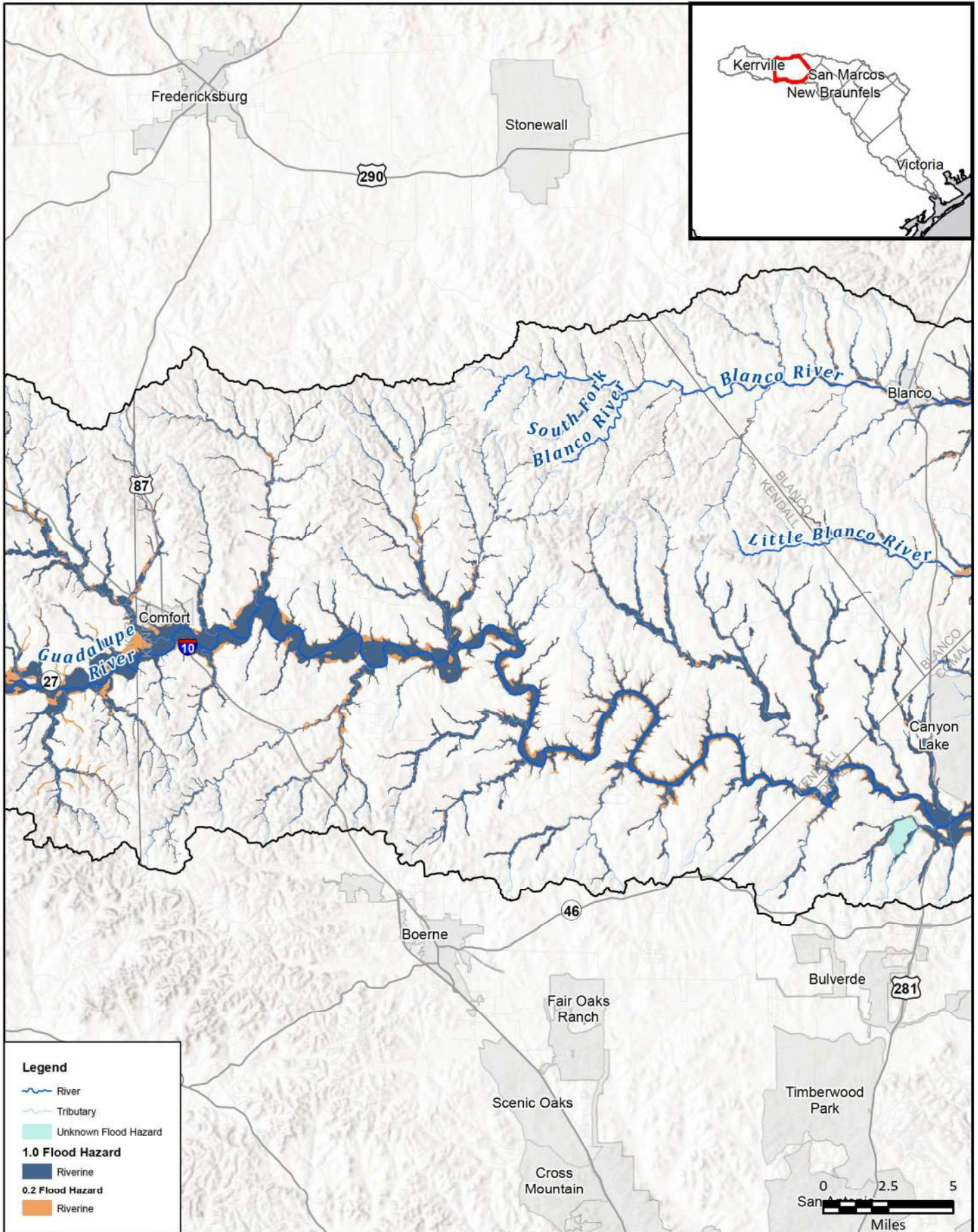


FIGURE  
1 of 14





FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/20/2022
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

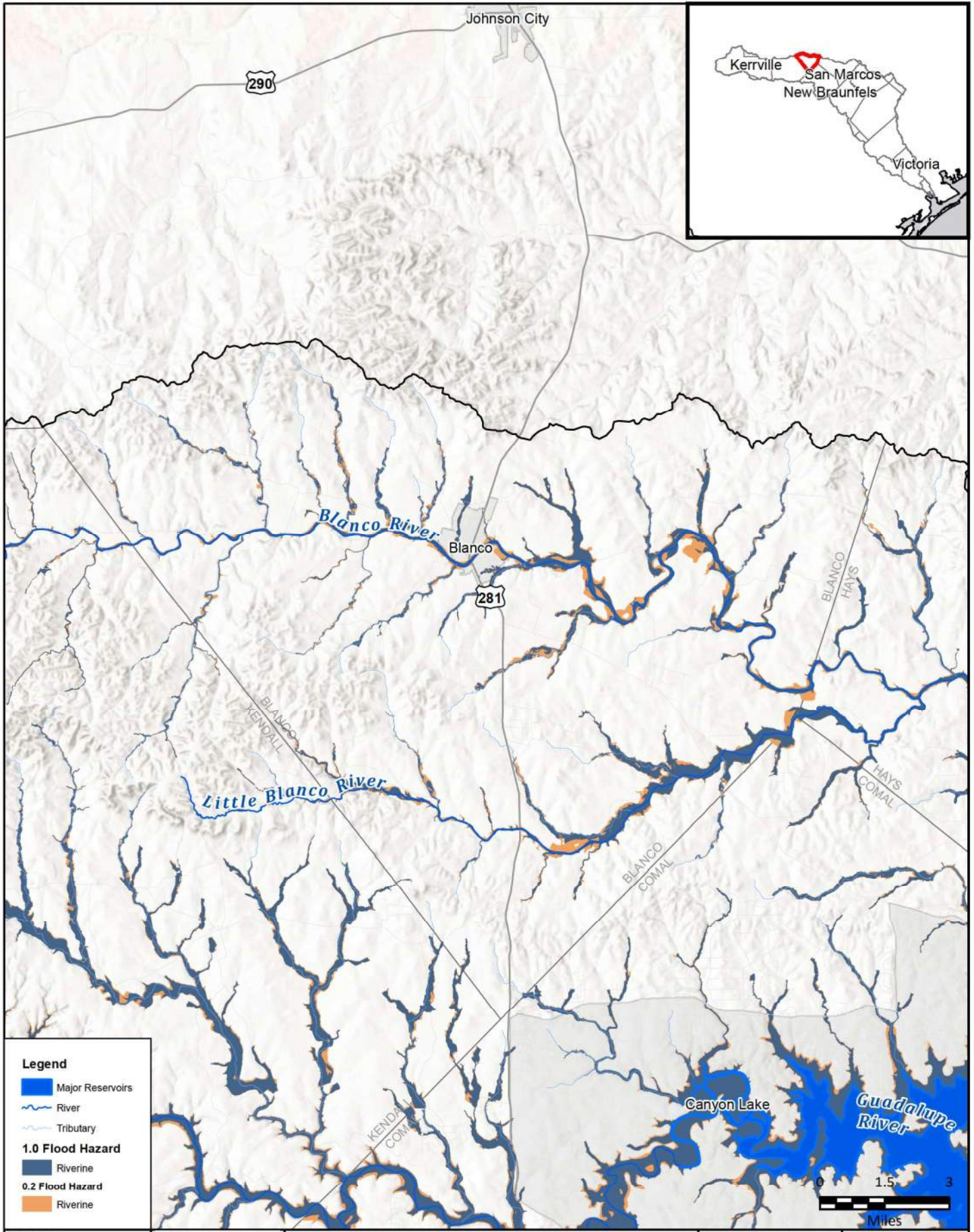
**FRESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 7 - Existing Vulnerability

# Kendall County



FIGURE  
2 of 14



**Legend**

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

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/20/2022
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

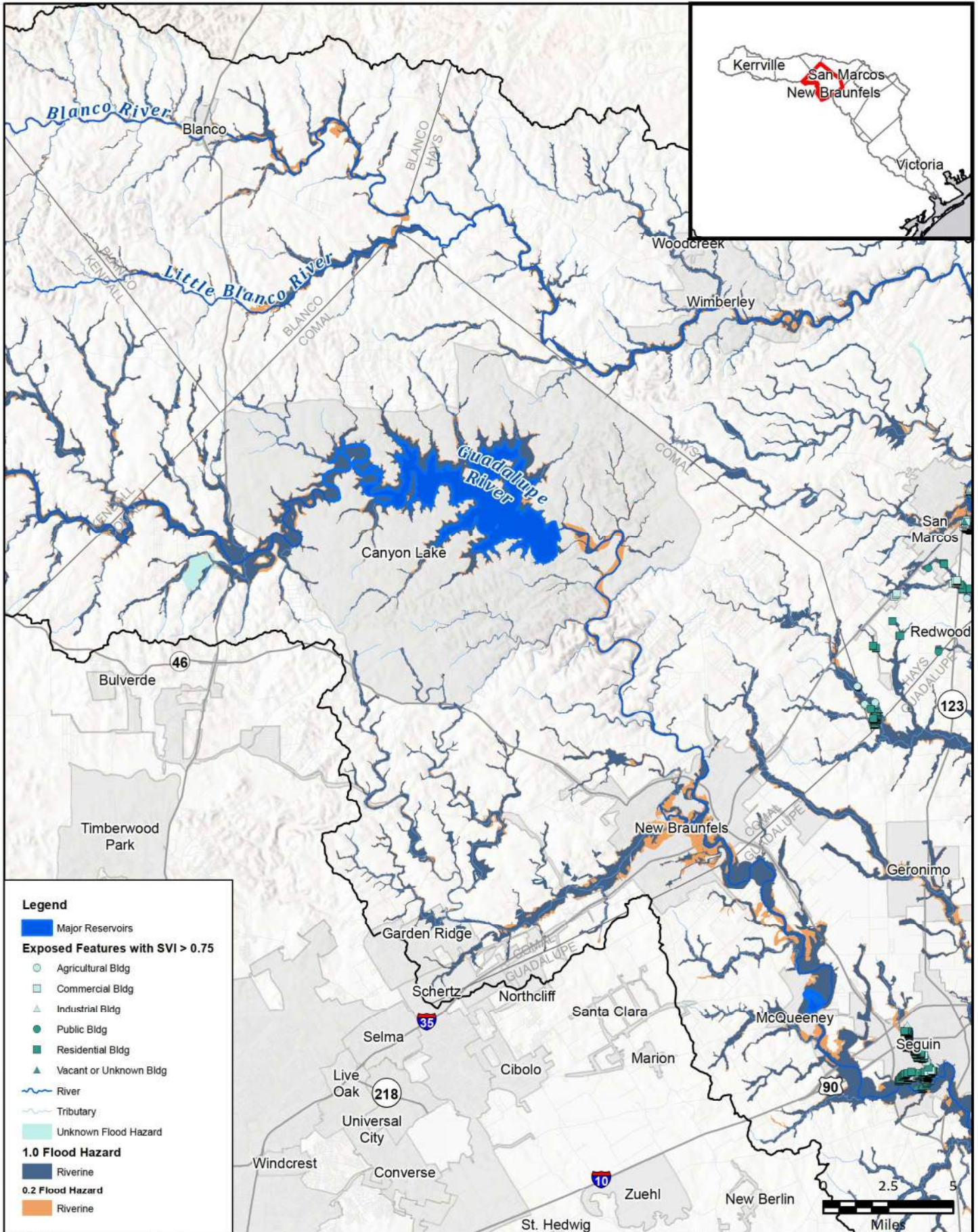
**FREESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 7 - Existing Vulnerability

**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.	OBA21362
DATE CREATED	Date: 7/20/2022
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 & 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

**Comal County**

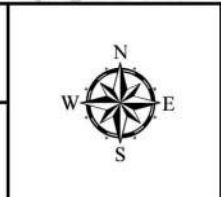
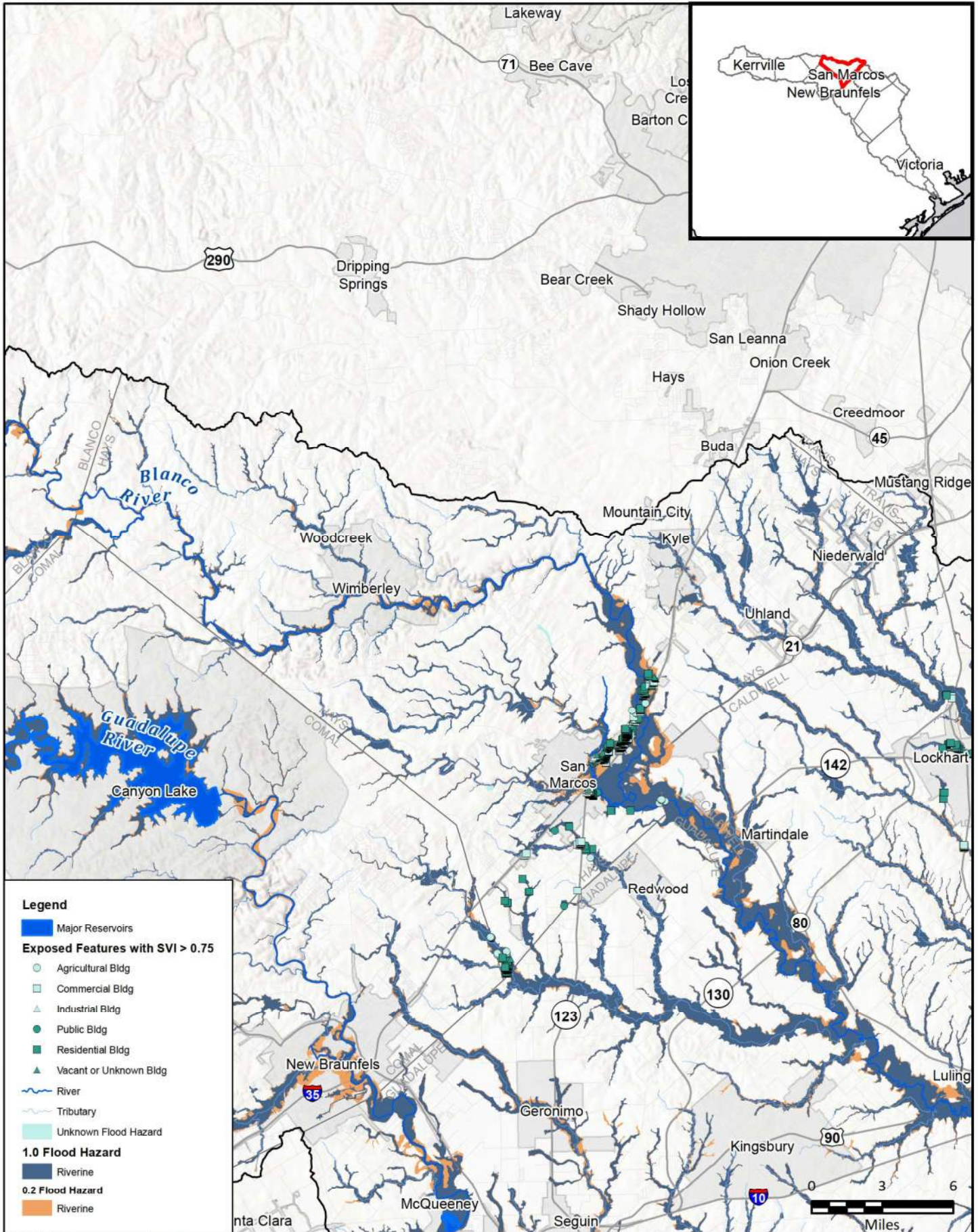


FIGURE  
4 of 14



**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.	OBA21362
DATE CREATED	Date: 7/20/2022
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

## Hays County

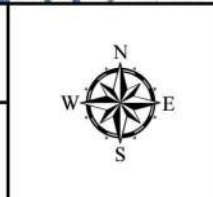
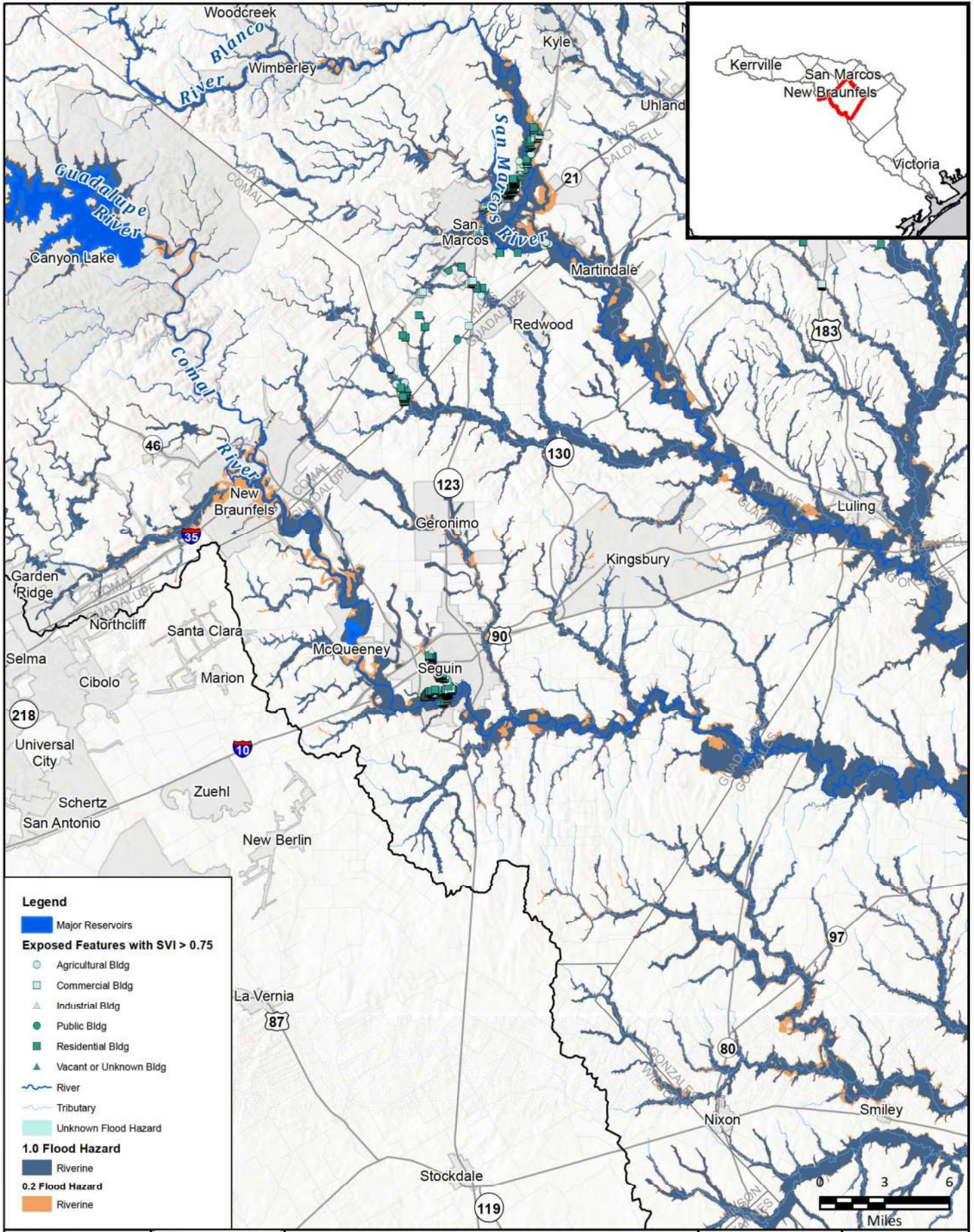


FIGURE  
5 of 14



FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/20/2022
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

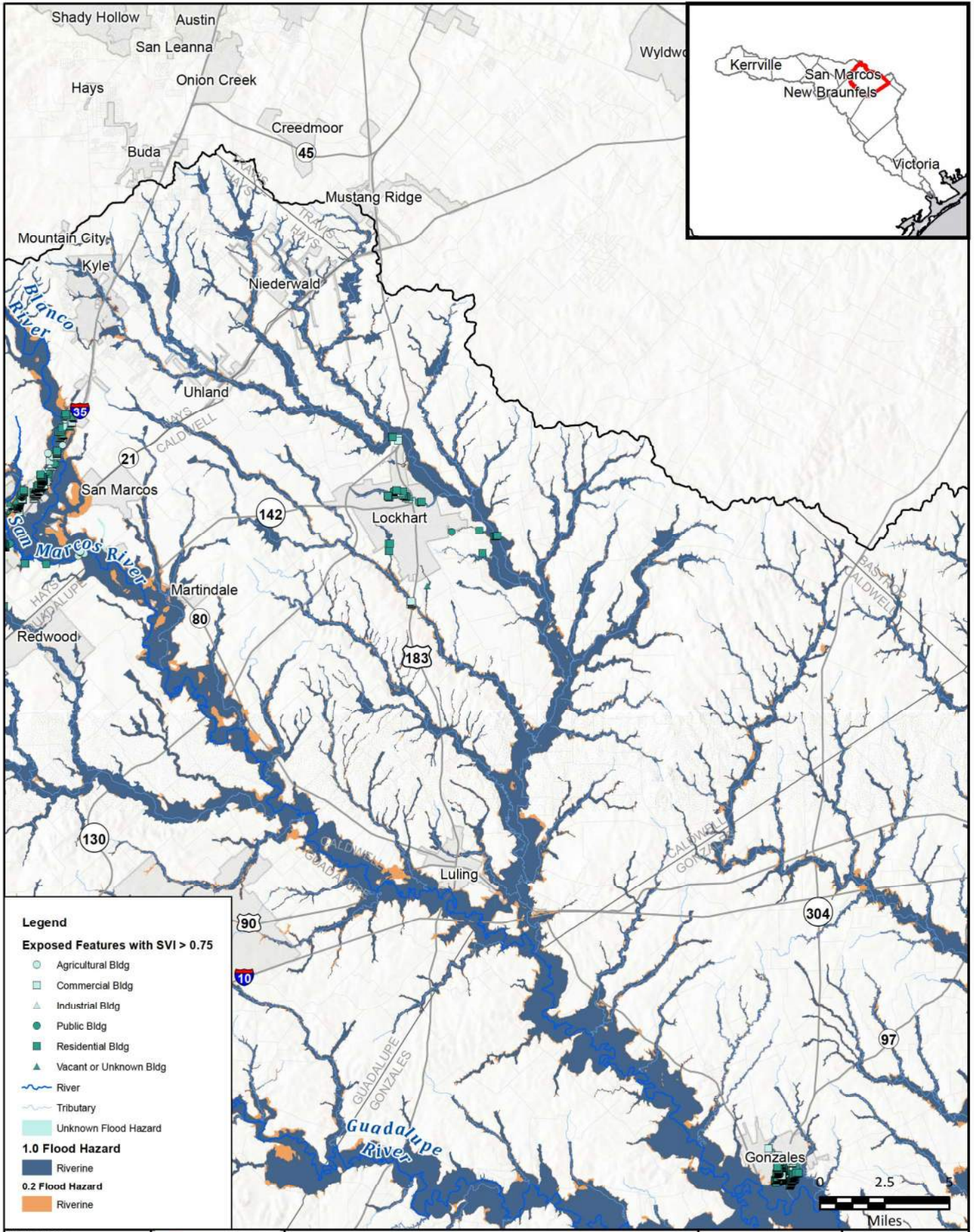
**FREESE & NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 7 - Existing Vulnerability

## Guadalupe County



FIGURE  
6 of 14



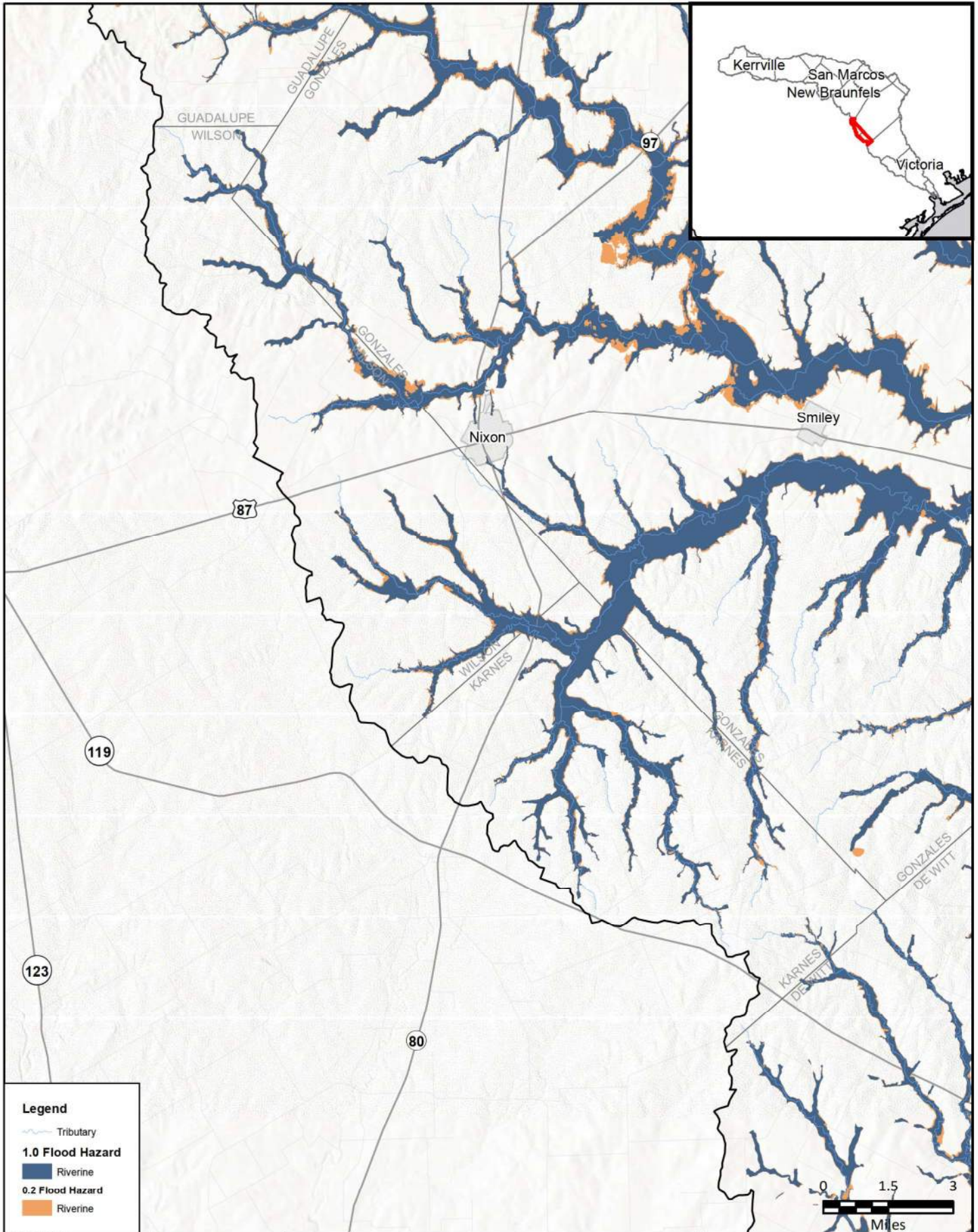
FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/20/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExVulnerabilityMB
PREPARED BY	02405

**FREESE & NICHOLS**
  
 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  
**Caldwell County**



FIGURE  
 7 of 14



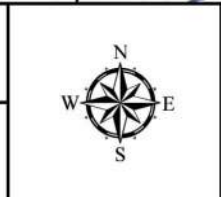
FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/20/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExVulnerabilityMB
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

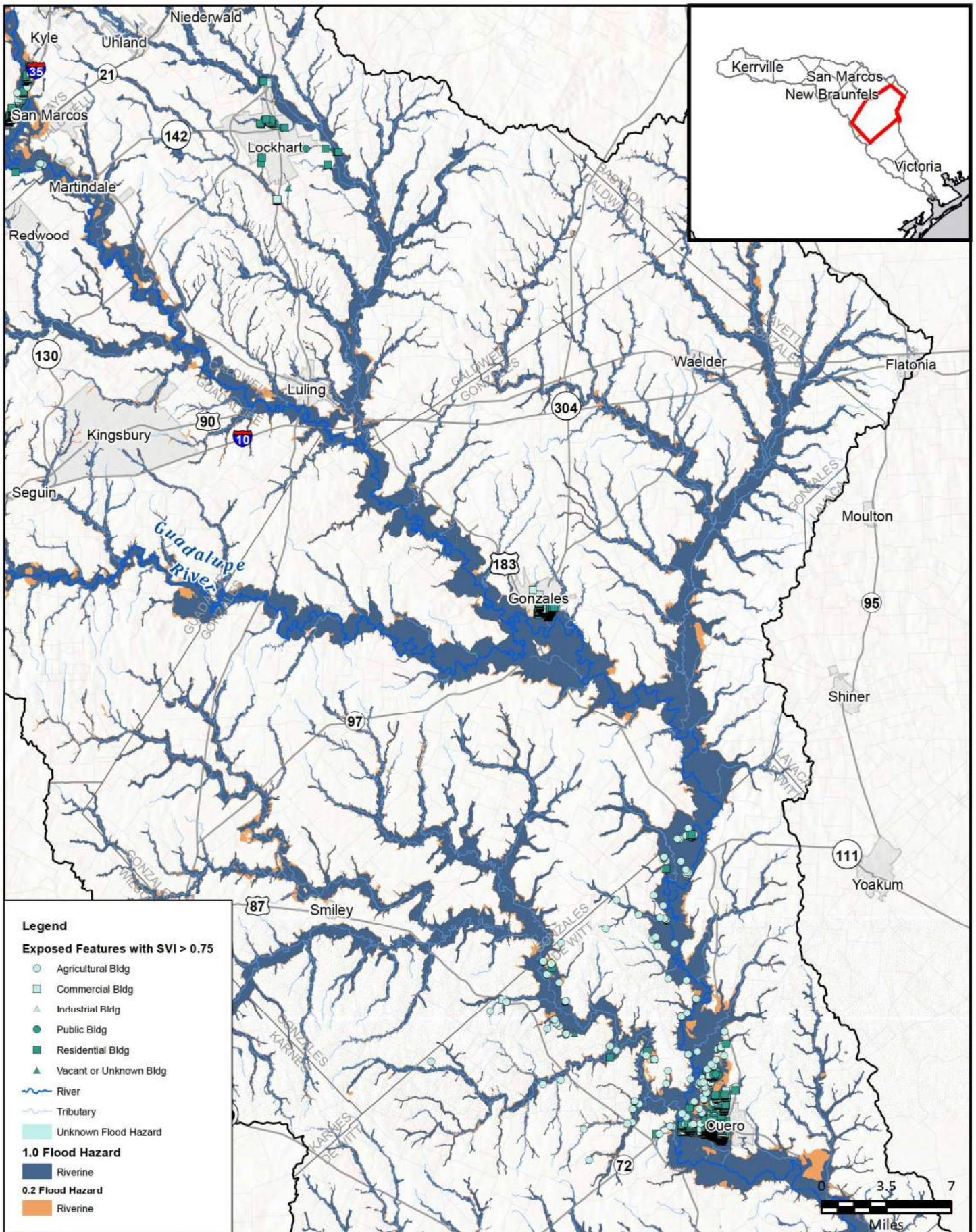
**FRESE & NICHOLS**

**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**

**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: 7/20/2022
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

**Gonzales County**

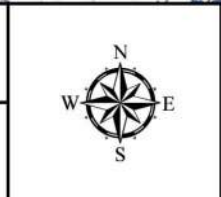
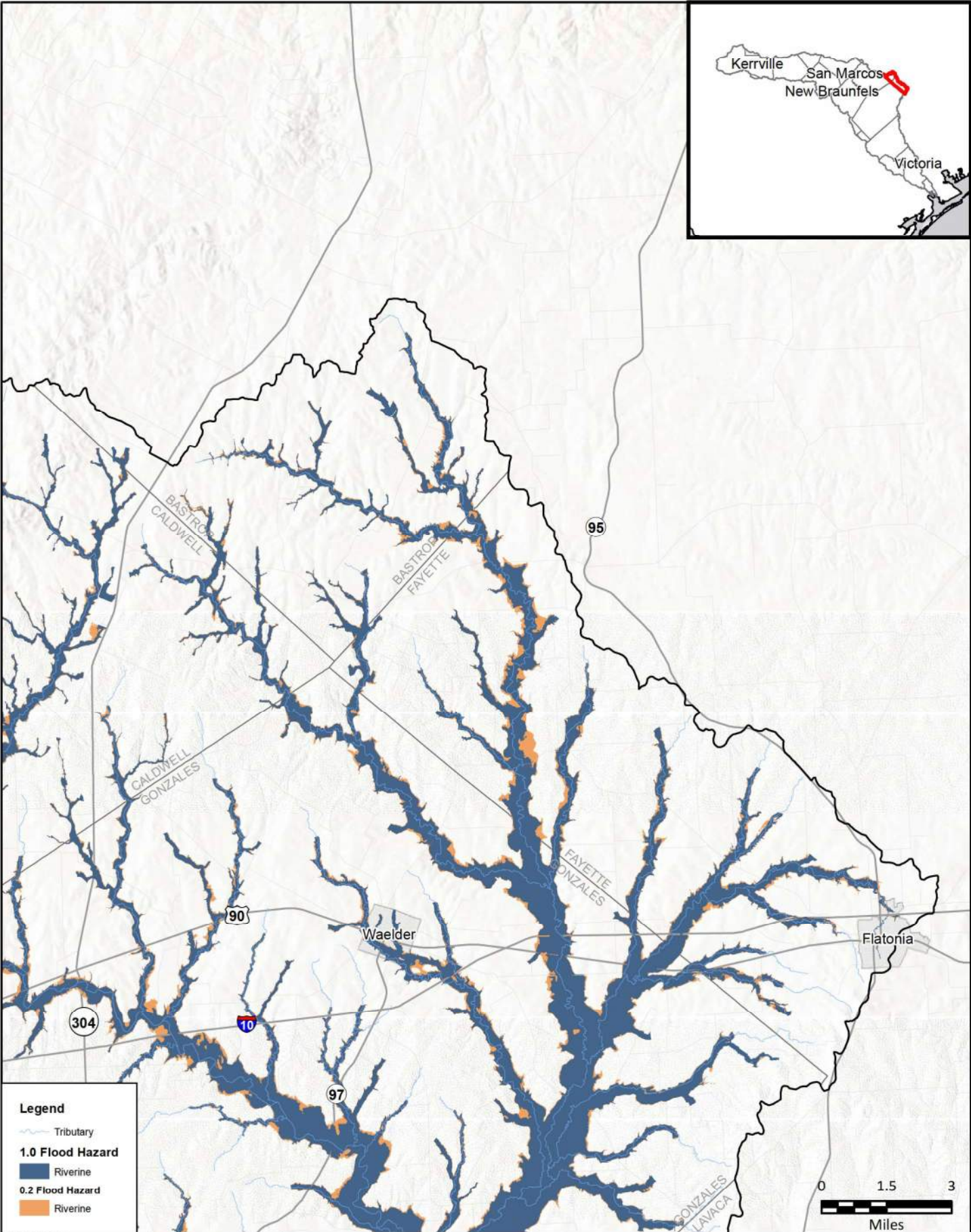


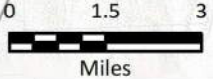
FIGURE  
9 of 14





**Legend**

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



FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/20/2022
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**

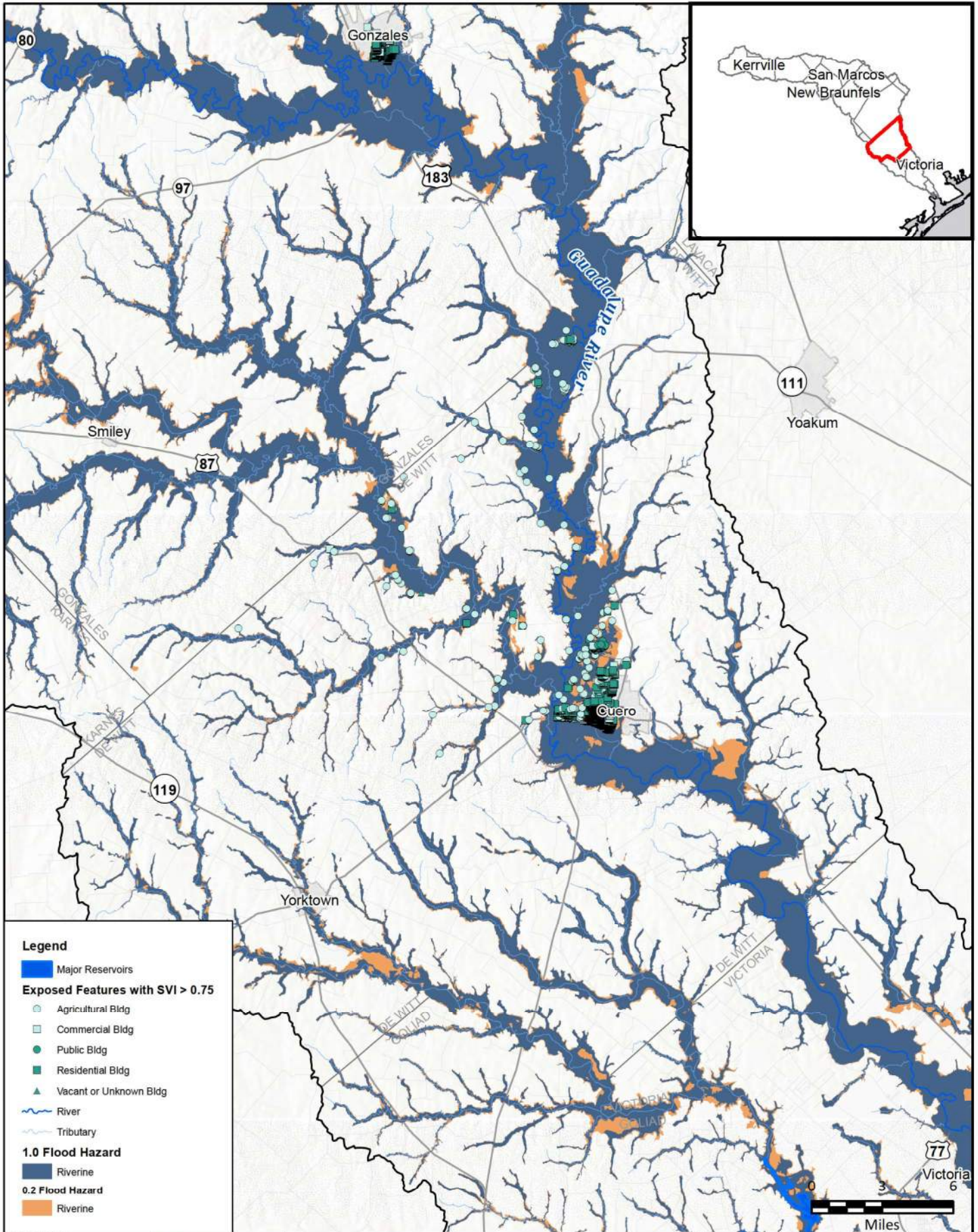
FREESE AND NICHOLS, INC.  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 7 - Existing Vulnerability

## Bastrop & Fayette Counties



FIGURE  
10 of 14



FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/20/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExistingVulnerabilityMB
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FRESE & 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

## De Witt County

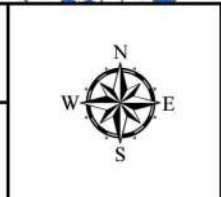
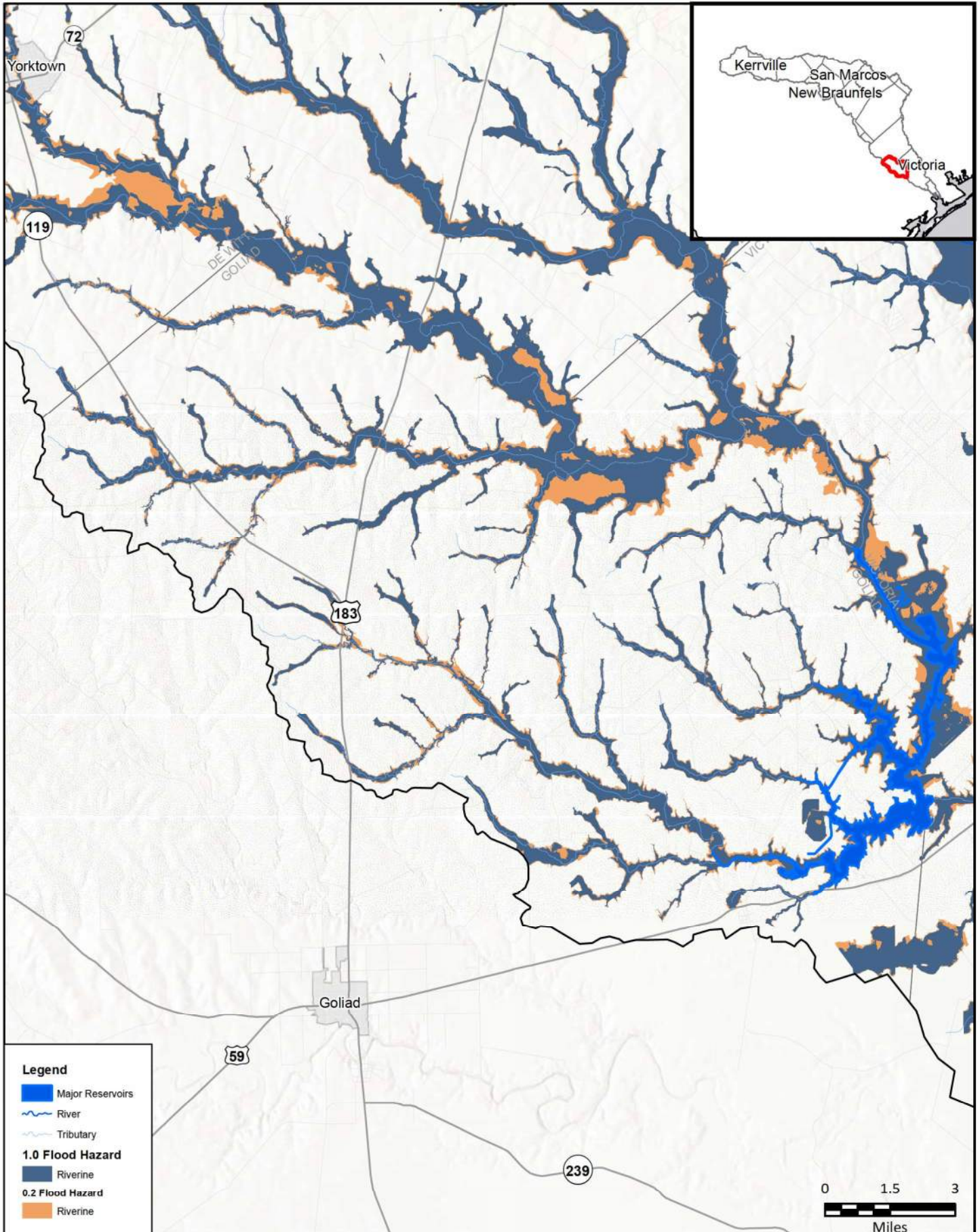


FIGURE  
11 of 14



**Legend**

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



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/20/2022
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

**Goliad County**

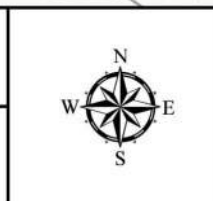
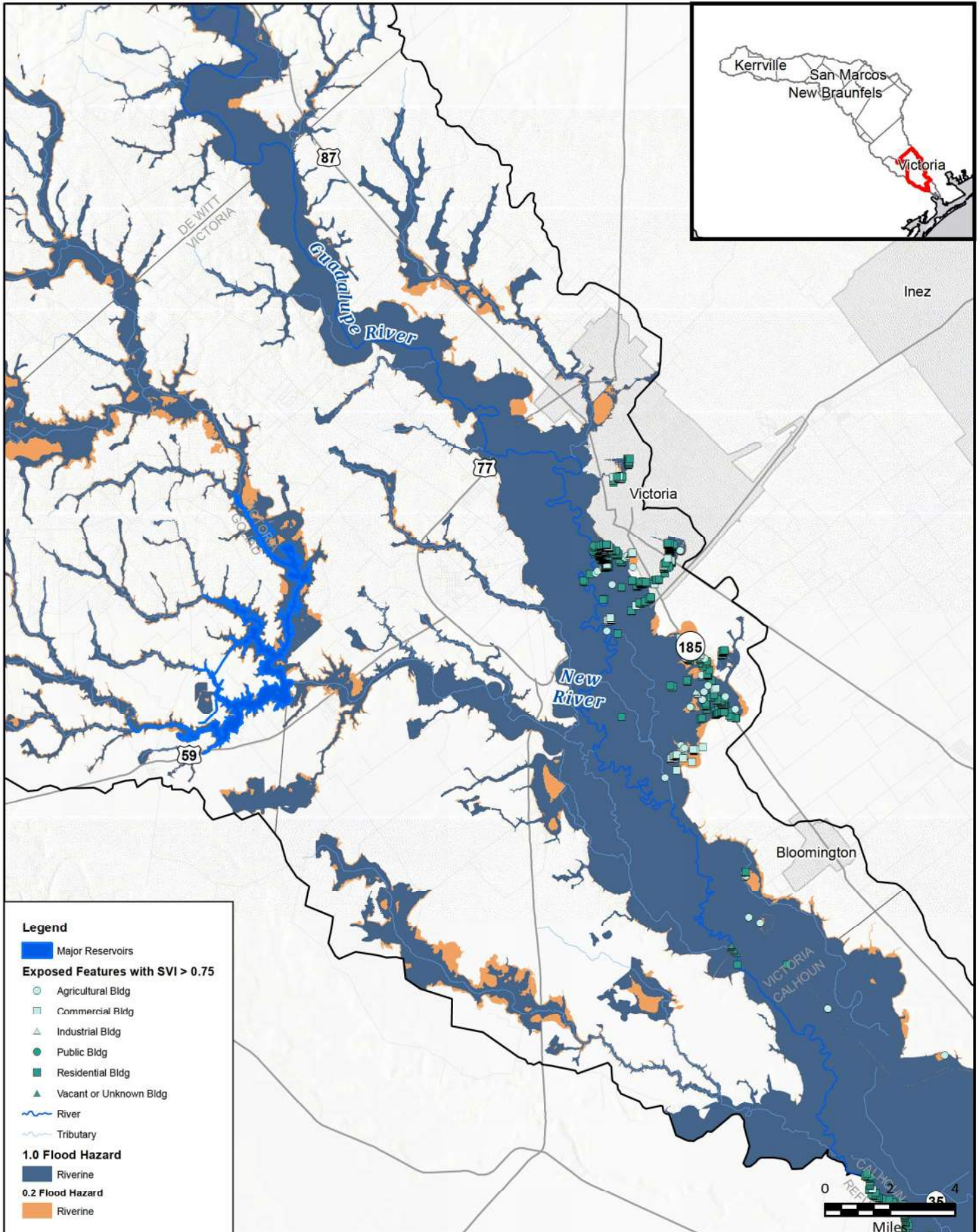


FIGURE  
12 of 14



**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.	OBA21362
DATE CREATED	Date: 7/20/2022
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 & 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

## Victoria County

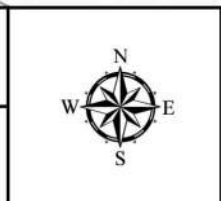
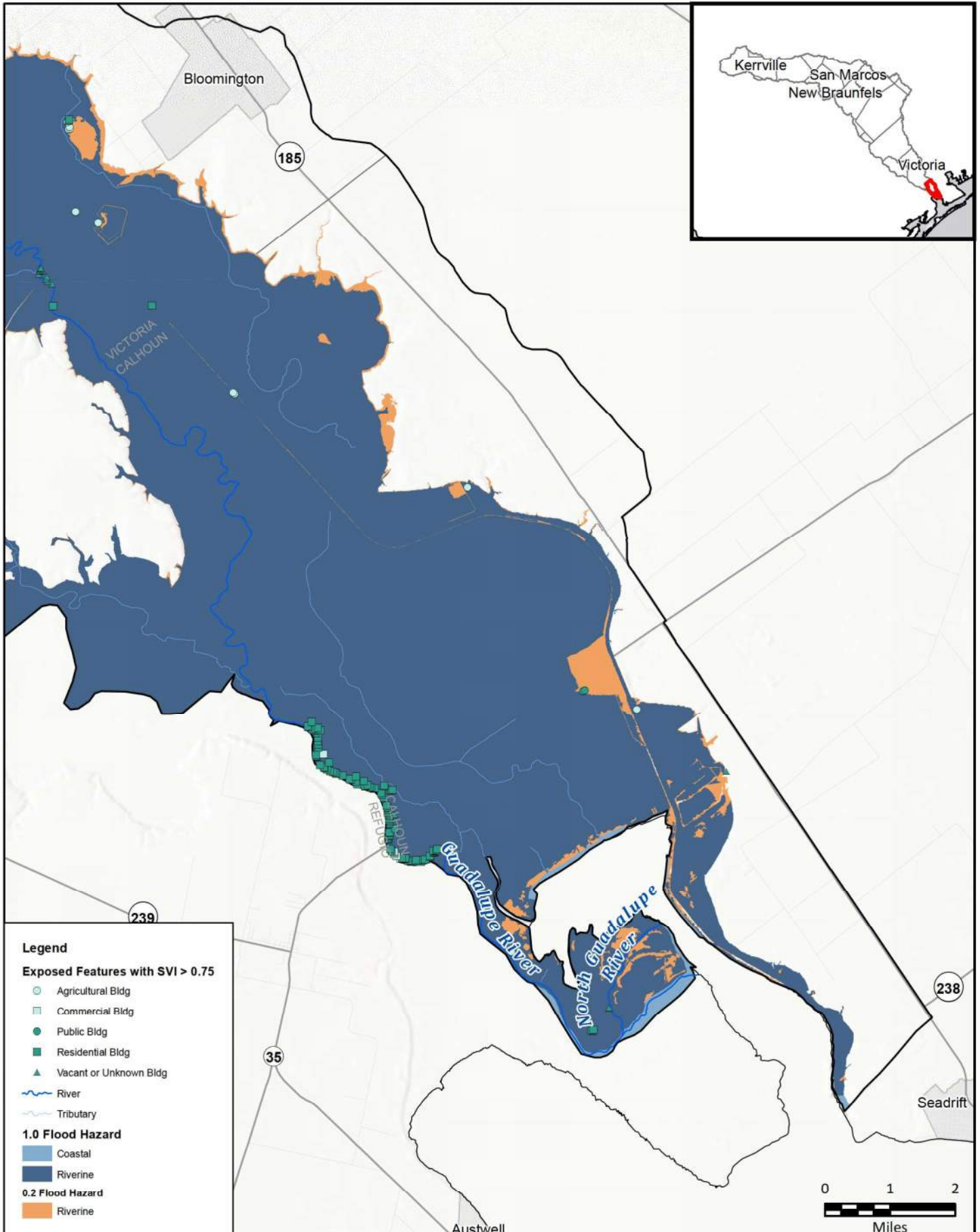


FIGURE  
13 of 14



**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: 7/20/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 7_ExVulnerabilityMB
PREPARED BY	02405

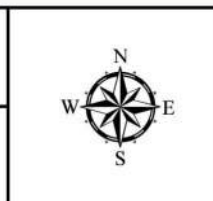
REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**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

**Calhoun County**

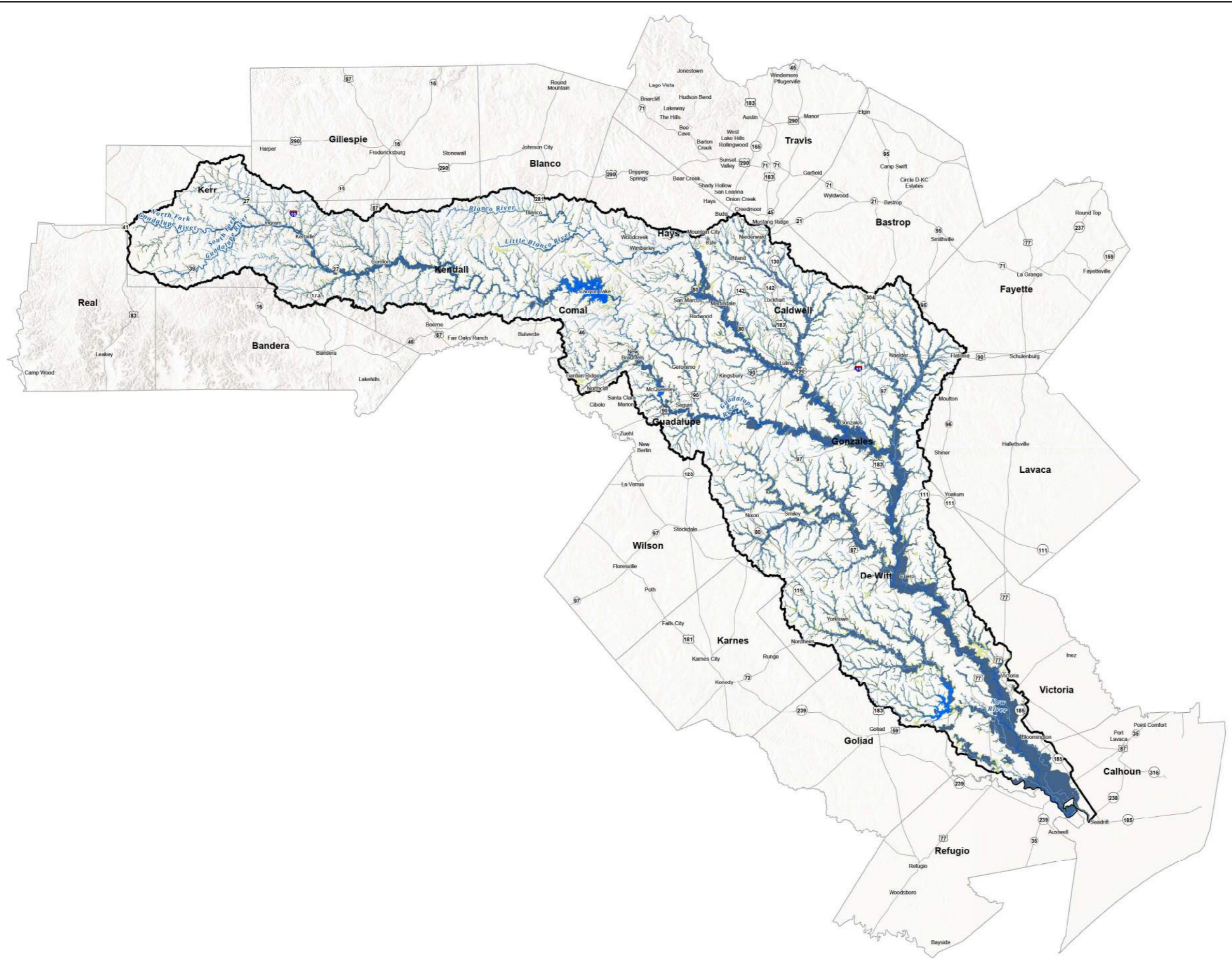


0 1 2  
Miles

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

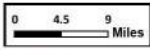
## **Appendix 2-B |**

## Map 8: Future Condition Flood Hazard



**Legend**

- Major Reservoirs
- River
- Tributary
- 0.2 Flood Hazard**
- Coastal
- Riverine
- 1.0 Flood Hazard**
- Coastal
- Riverine
- Flood Planning Region



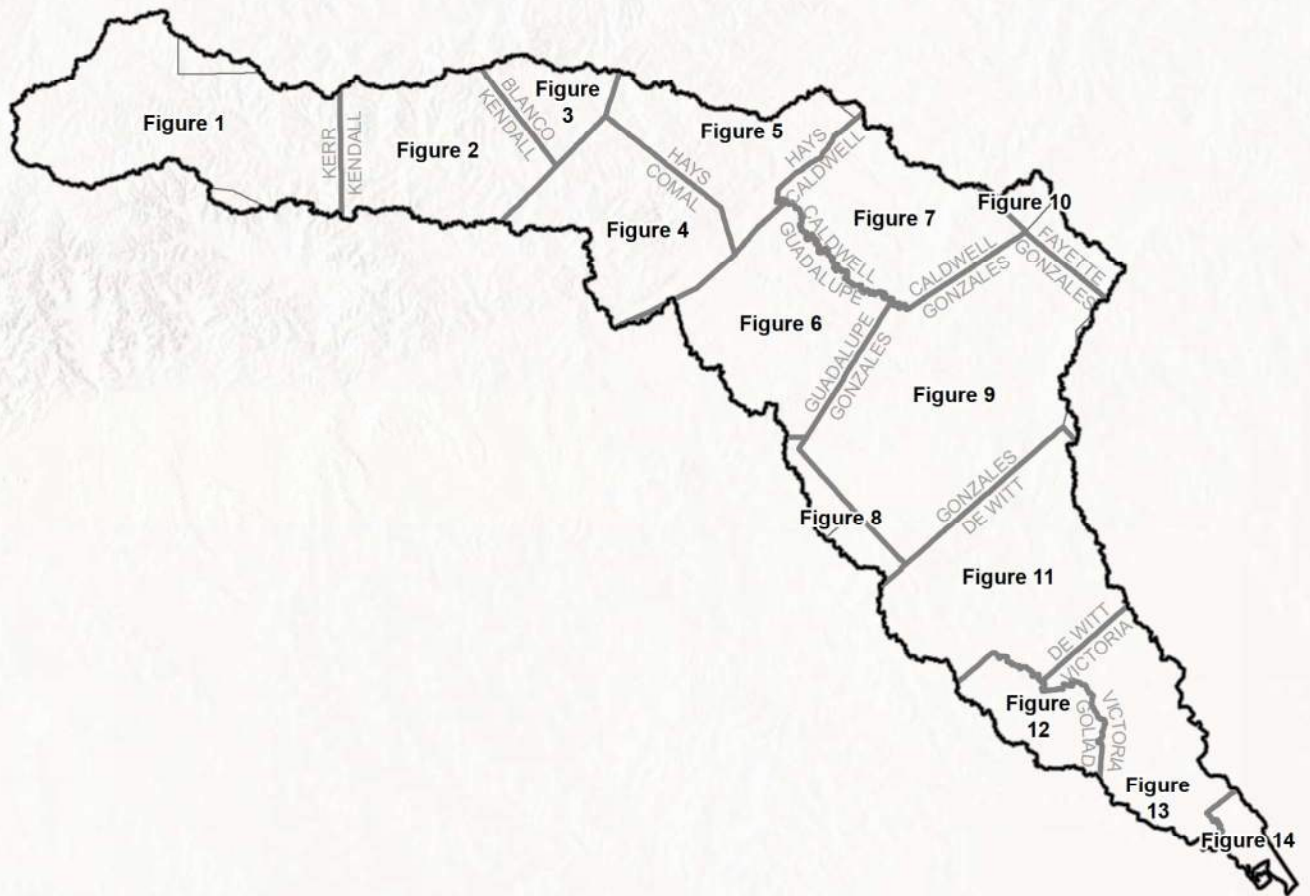
FRIESE NICHOLS  
 Office: (512) 617-3100

**Map 8 Region - Future Flood Hazard Areas**

Region 11: Guadalupe

PROJECT NO.	GRA21302	<b>Map 8</b>
DATE	7/29/2021	
SCALE	1 in = 9 miles	
DRAFTED	GJAS	





FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/19/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 8_FutFidHazard_Index
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

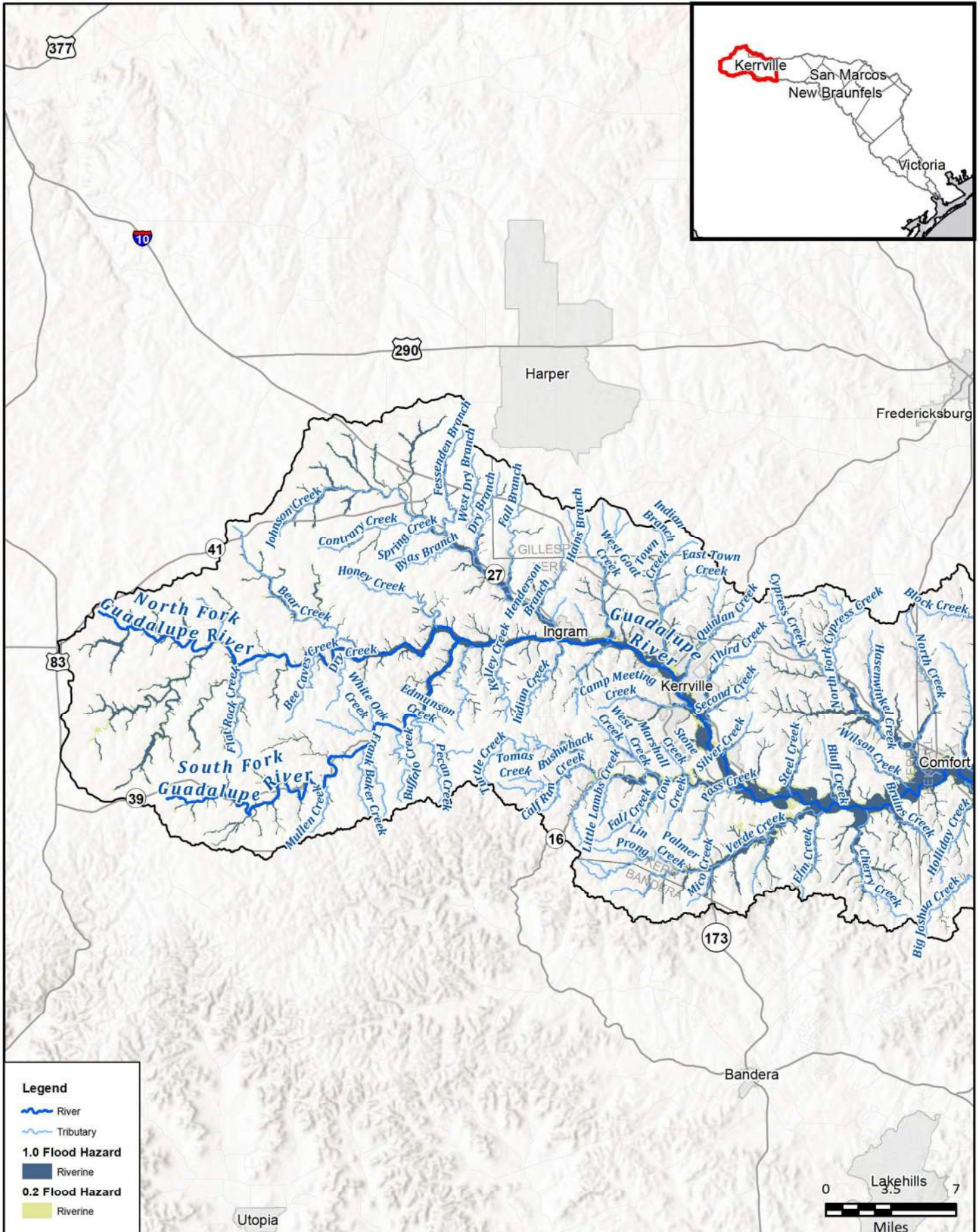
**FREESE AND NICHOLS**  
FREESE AND NICHOLS, INC.  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 8 Index - Future Flood Hazard Areas

**Index Map**



FIGURE  
Index



**Legend**

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



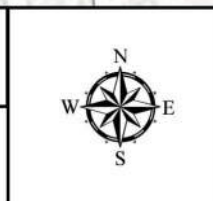
FN PROJECT NO.	OB21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 8_FutFidHazardMapbook
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

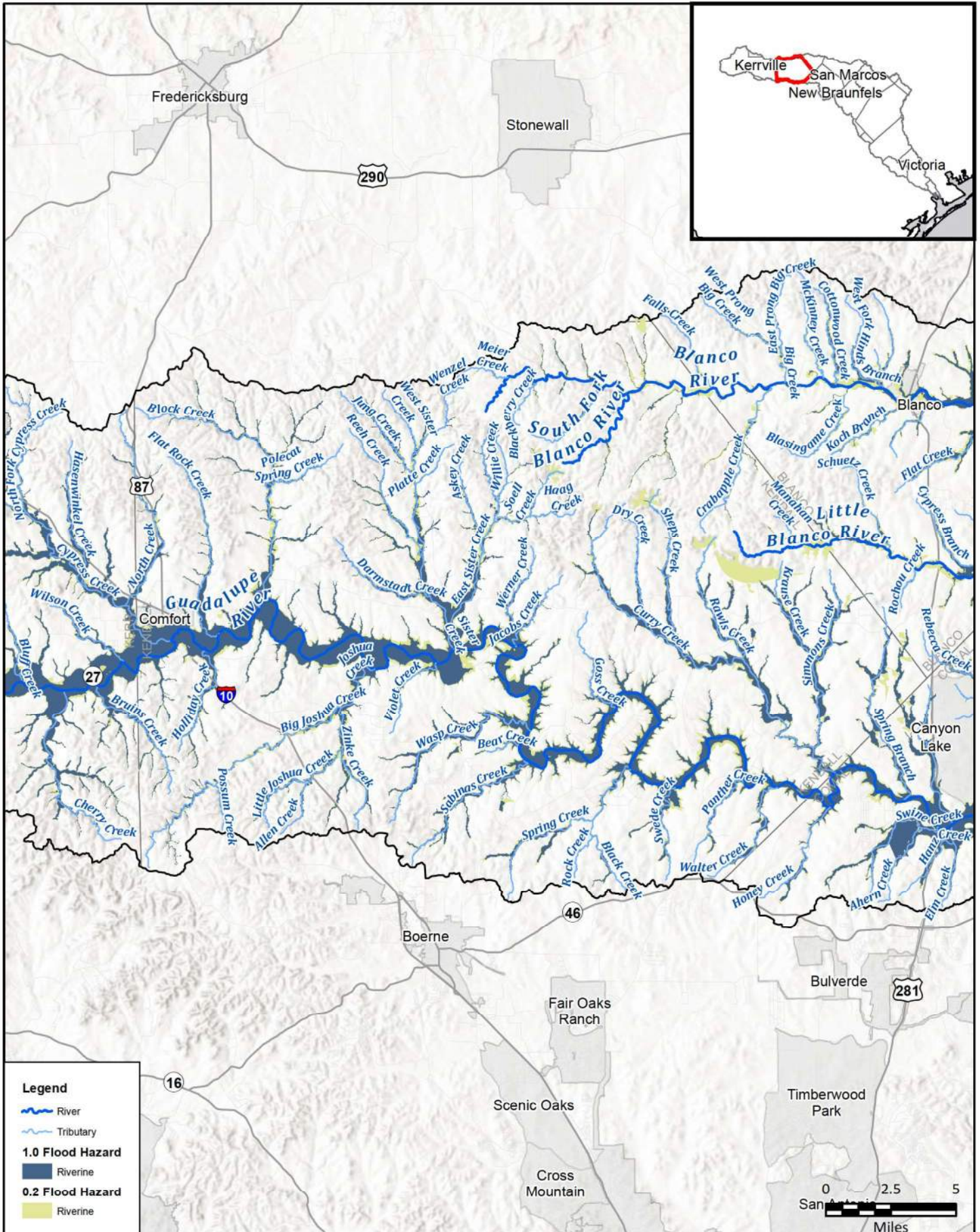
**FRESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 8 - Future Flood Hazard Areas

**Kerr County**



**FIGURE**  
1 of 14



**Legend**

- River
- 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: 8_FutFidHazardMapbook
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 8 - Future Flood Hazard Areas

# Kendall County

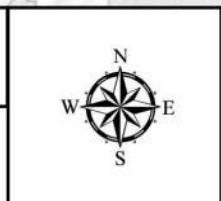
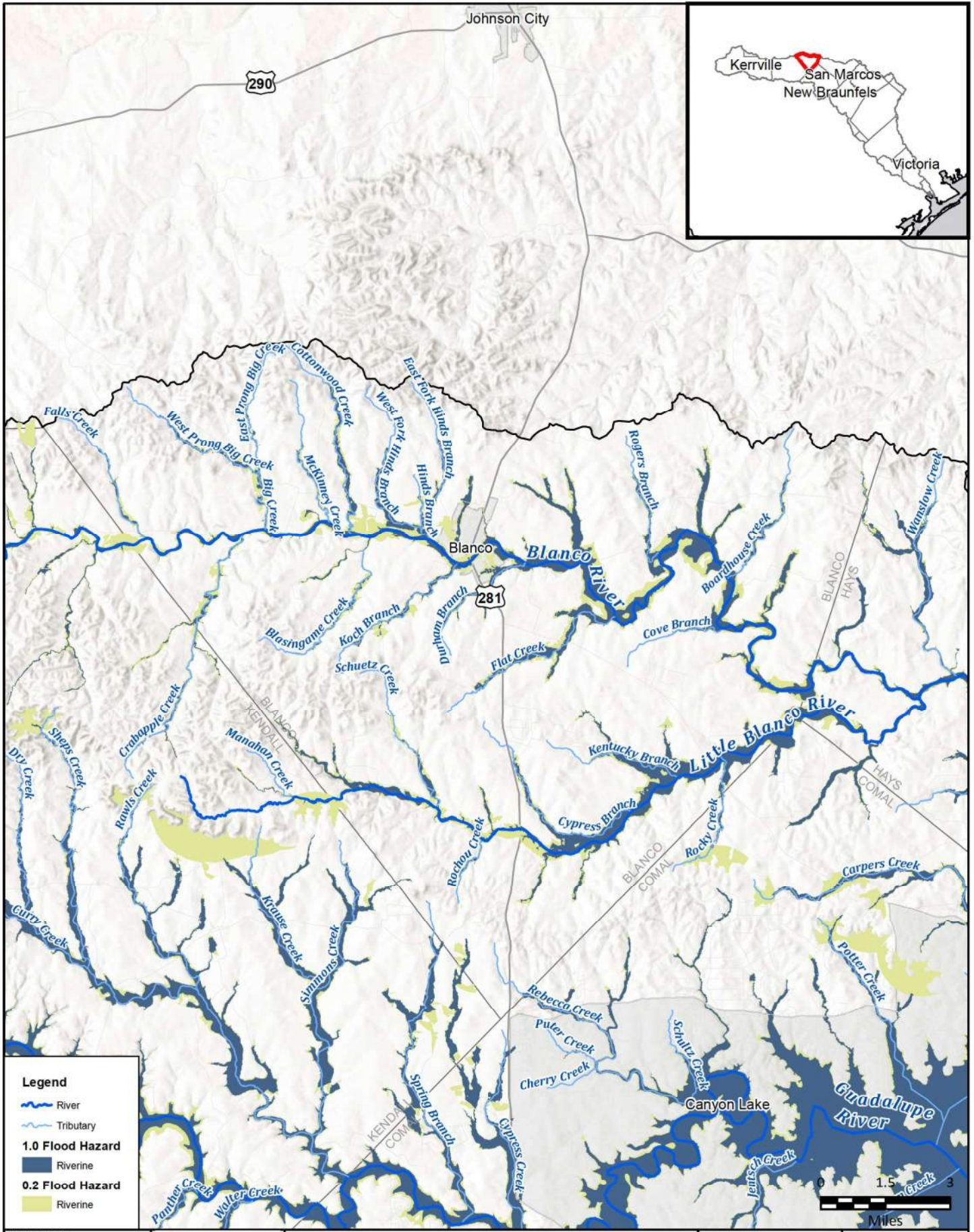


FIGURE  
2 of 14



FN PROJECT NO.	OB21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 8_FutFldHazardMapbook
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

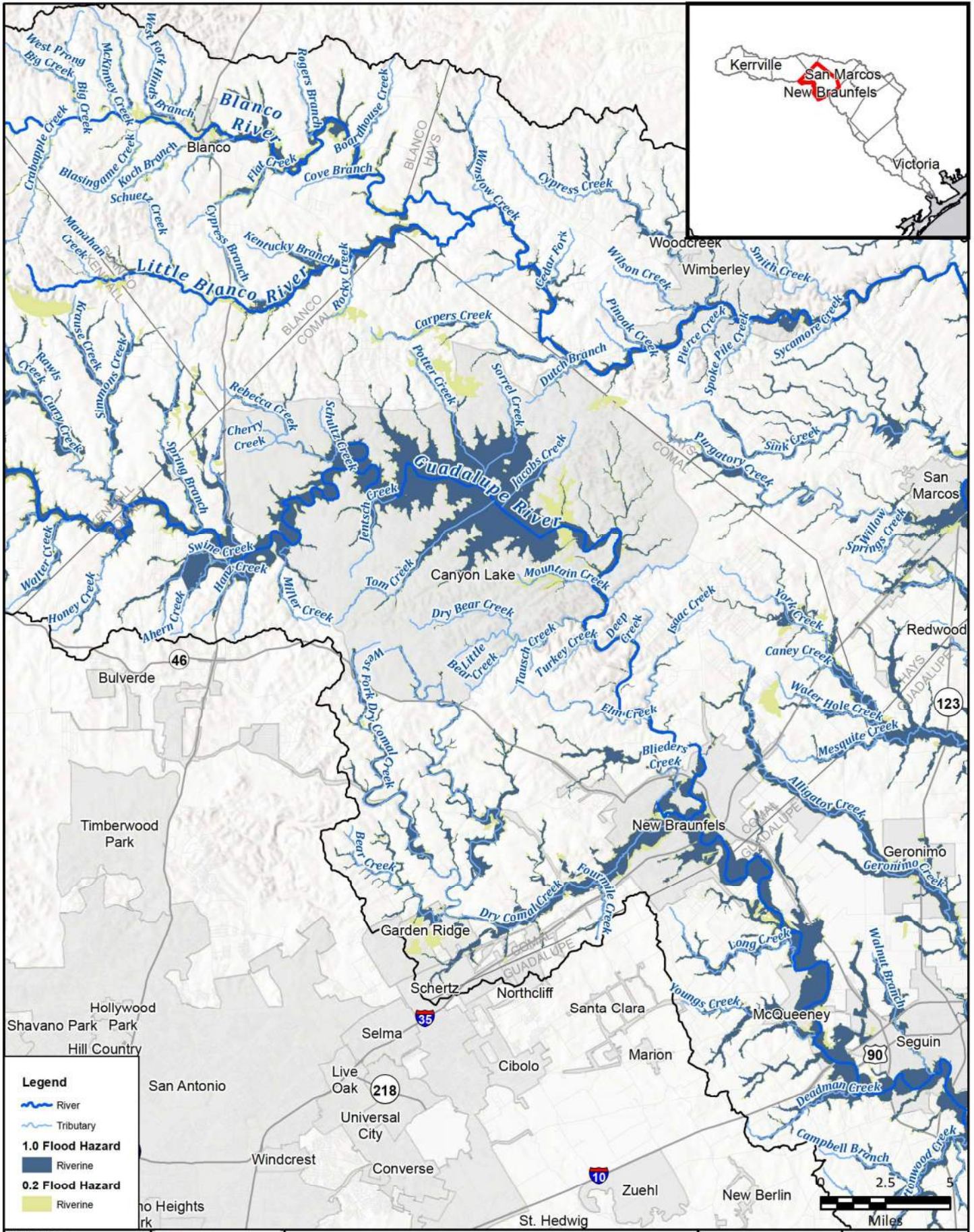
**FREESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 8 - Future Flood Hazard Areas

## Blanco County



FIGURE  
3 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: 8_FutFidHazardMapbook
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

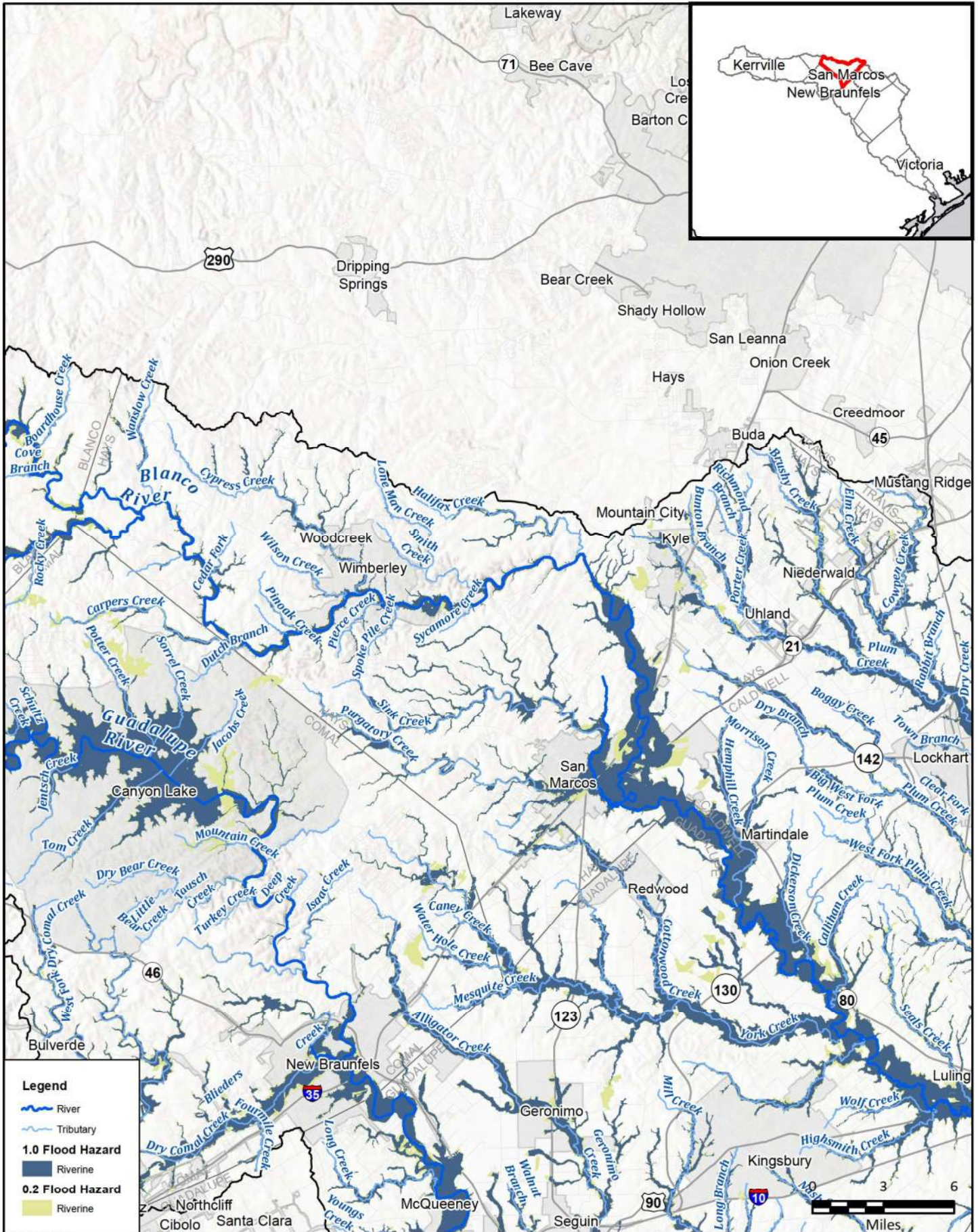
**FREASE NICHOLS**

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

Region 11: Guadalupe  
Map 8 - Future Flood Hazard Areas  
**Comal County**



FIGURE  
4 of 14



**Legend**

- River
- 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: 8_FutFkHazardMapbook
PREPARED BY	02405

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

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

Region 11: Guadalupe  
 Map 8 - Future Flood Hazard Areas

**Hays County**

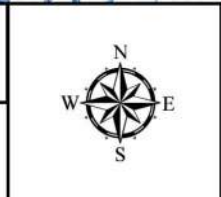
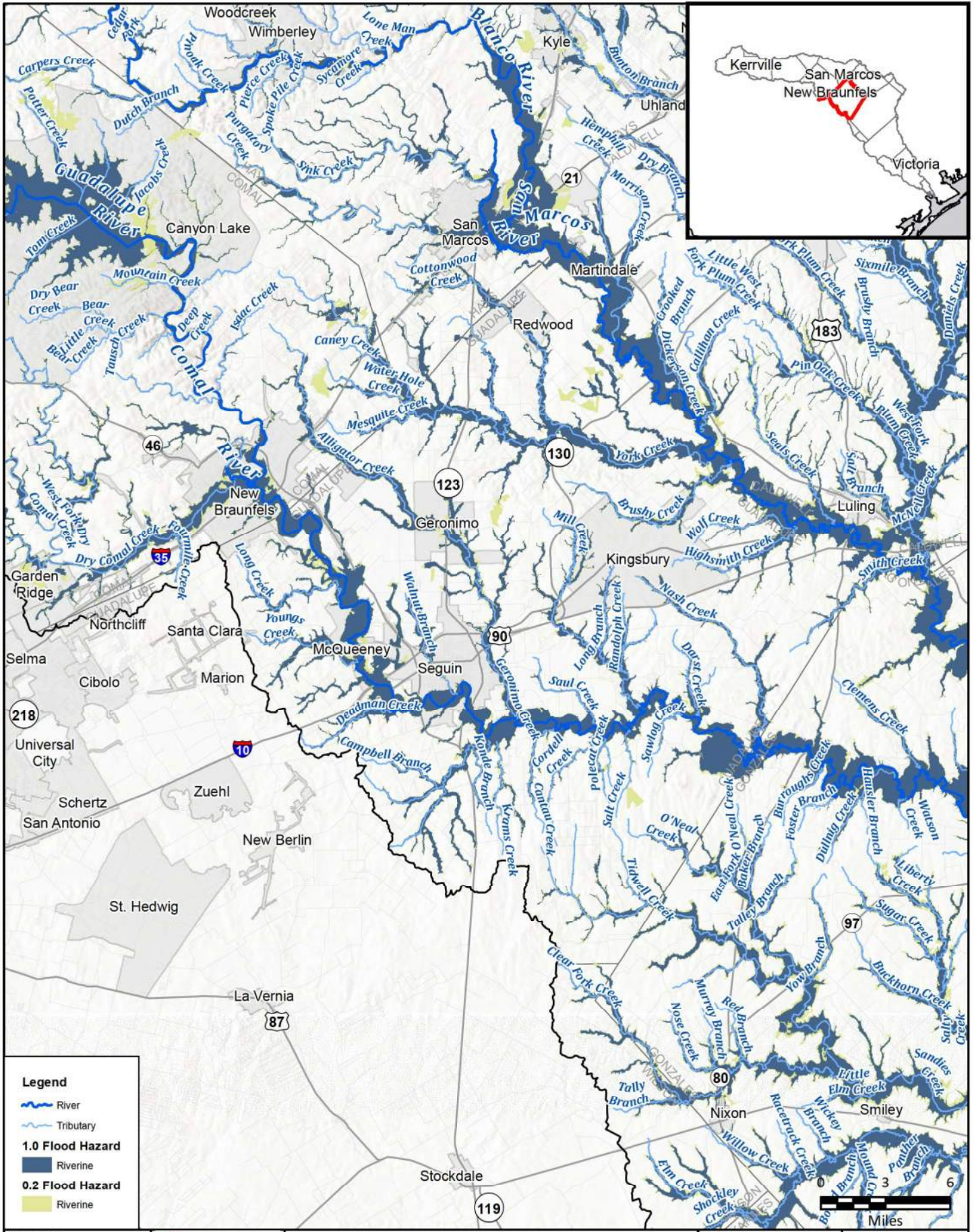


FIGURE  
 5 of 14



**Legend**

- River
- 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: 8_FutFidHazardMapbook
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

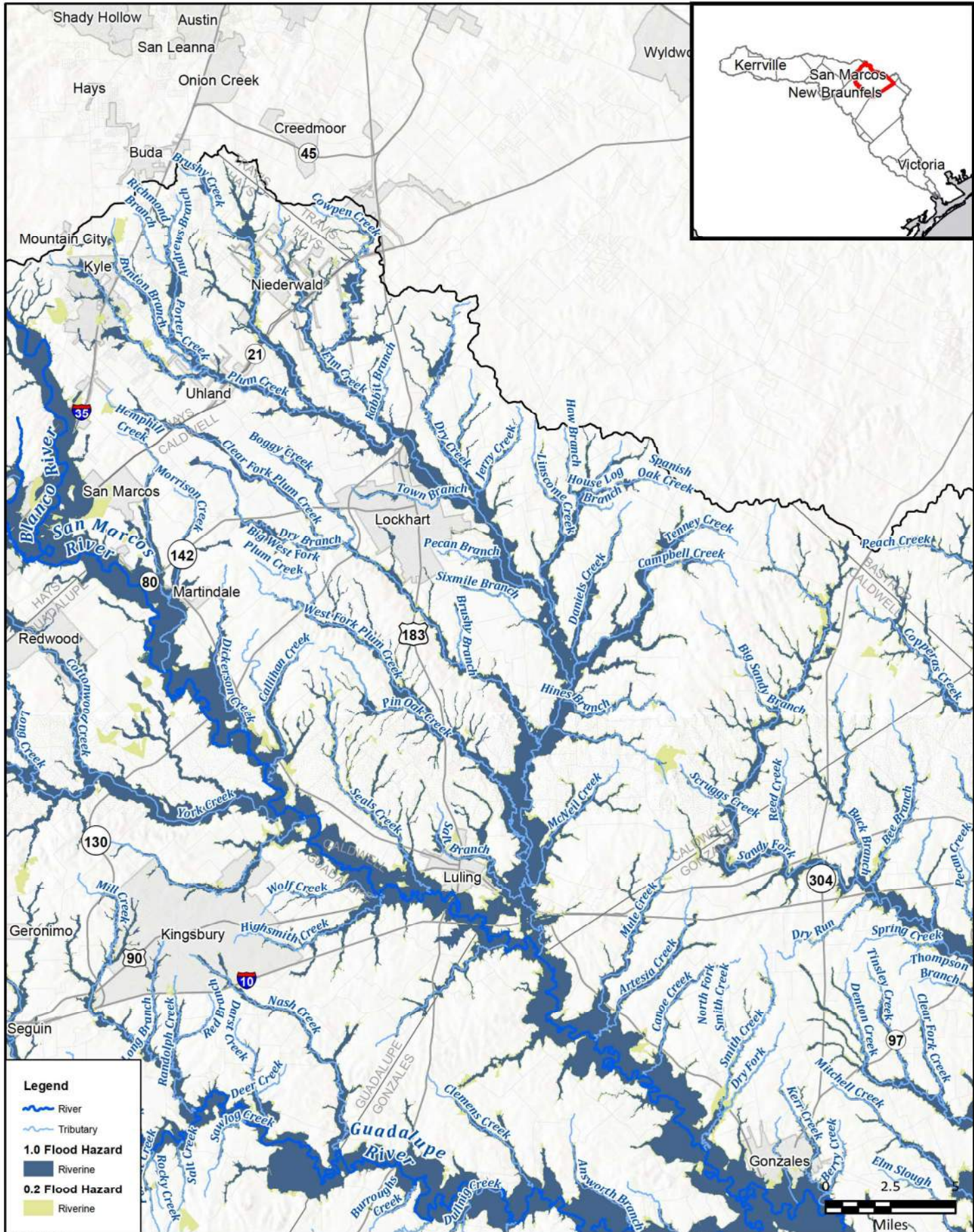
**FREASE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 8 - Future Flood Hazard Areas

## Guadalupe County



FIGURE  
6 of 14



**Legend**

- River
- 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: 8_FutFidHazardMapbook
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FREASE NICHOLS**

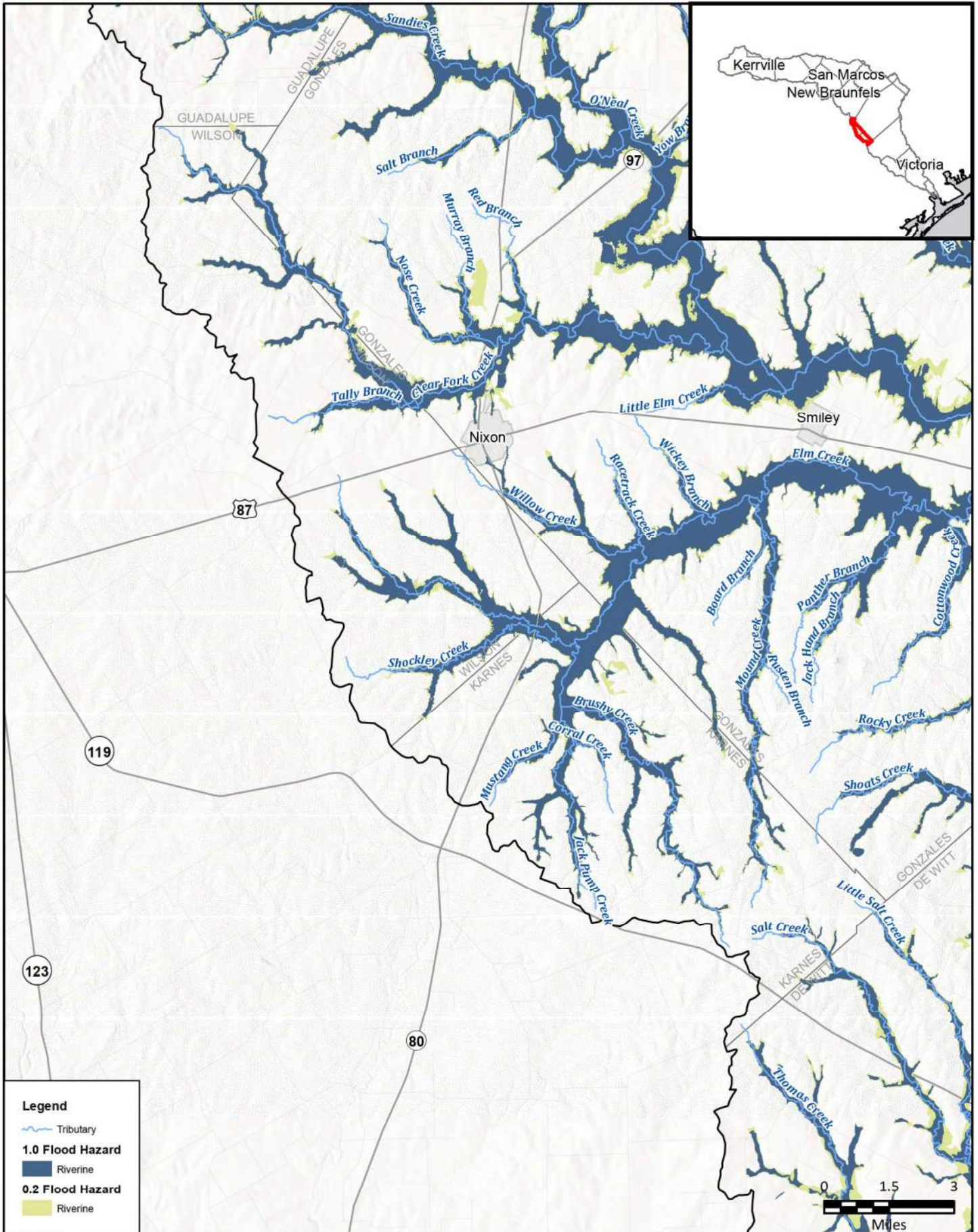
**FREASE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 8 - Future Flood Hazard Areas  
**Caldwell County**



FIGURE  
7 of 14





FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 8_FutFldHazardMapbook
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

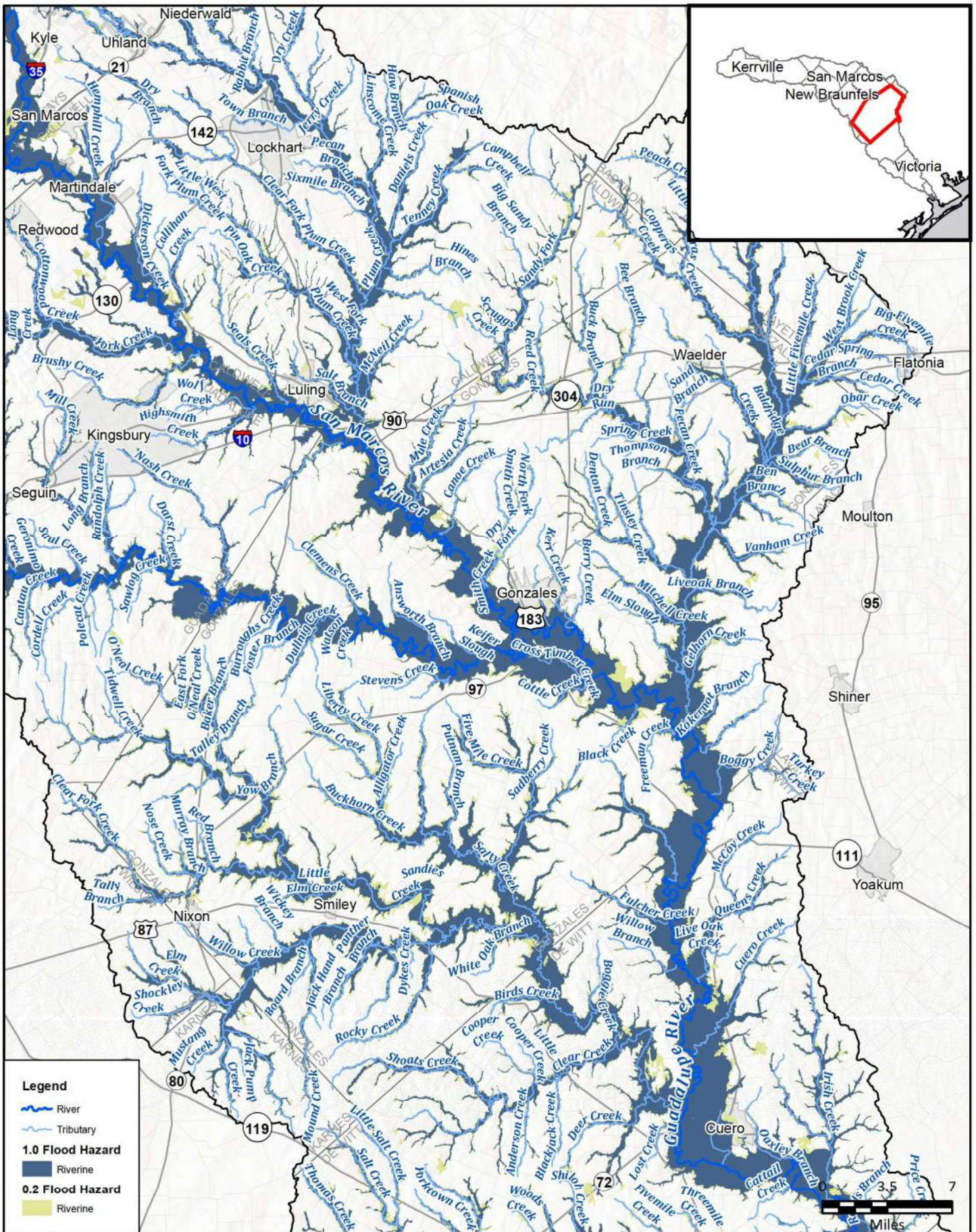
**FRESE AND NICHOLS**

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

Region 11: Guadalupe  
Map 8 - Future Flood Hazard Areas  
**Wilson & Karnes Counties**



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



**Legend**

- River
- 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: 8_FutFidHazardMapbook
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 8 - Future Flood Hazard Areas

## Gonzales County

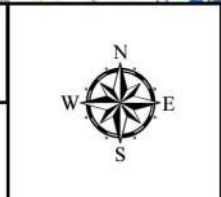
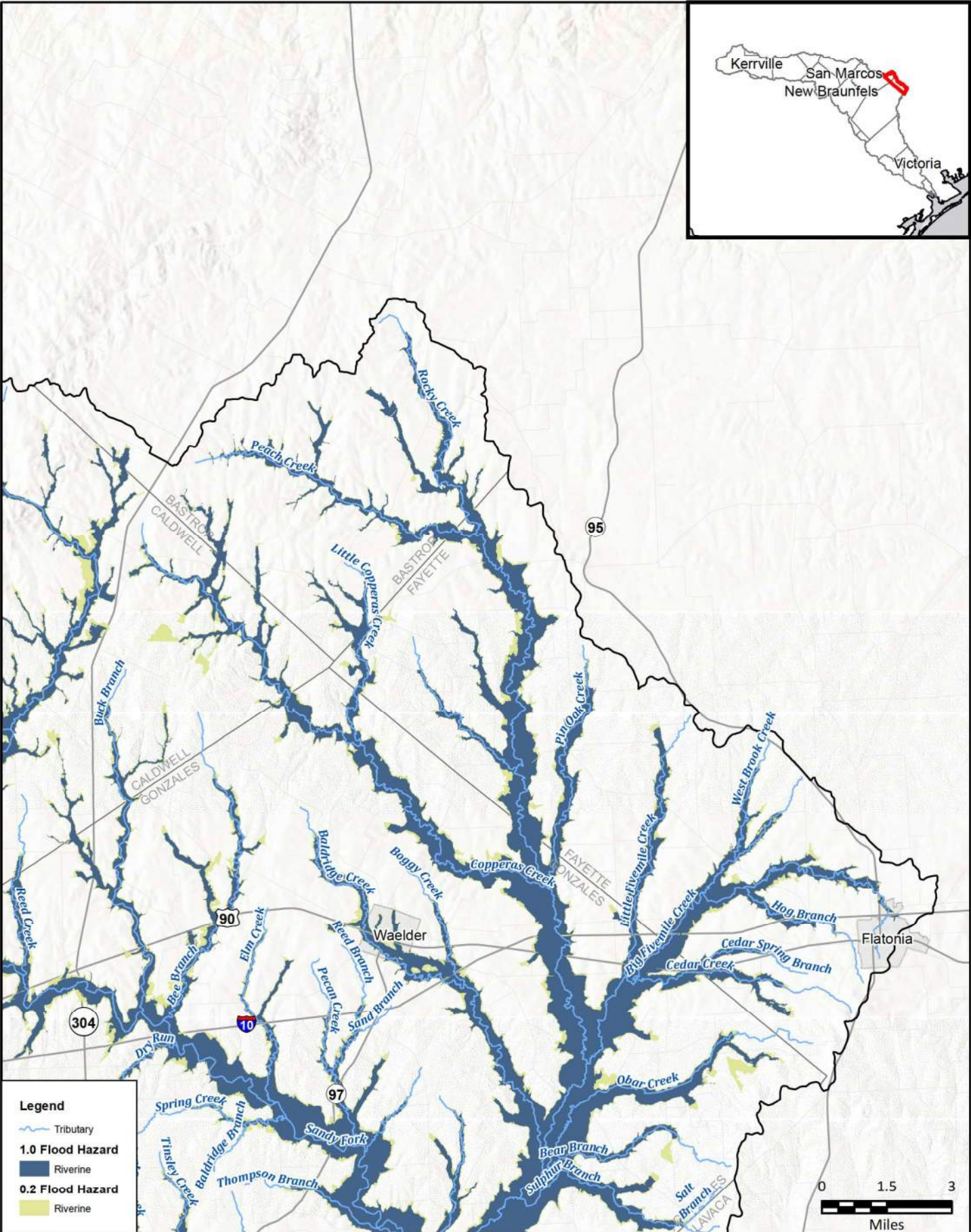
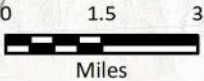


FIGURE  
9 of 14



**Legend**

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

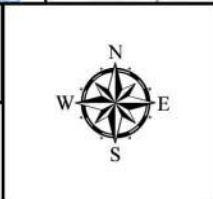


FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 8_FutFldHazardMapbook
PREPARED BY	02405

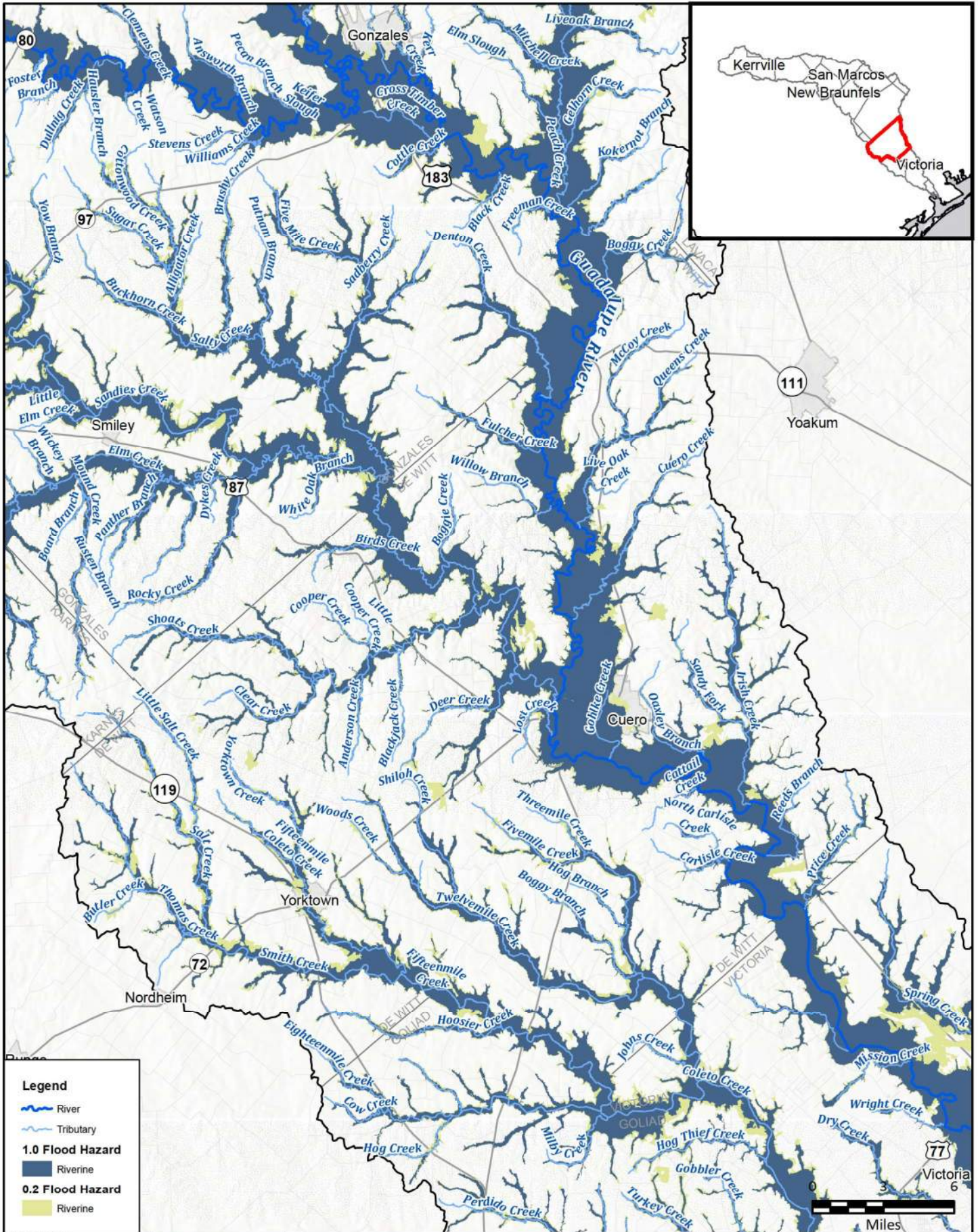
REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

Region 11: Guadalupe  
Map 8 - Future Flood Hazard Areas  
**Bastrop & Fayette Counties**



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



**Legend**

- River
- 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: 8_FutFldHazardMapbook
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

Region 11: Guadalupe  
Map 8 - Future Flood Hazard Areas  
**De Witt County**

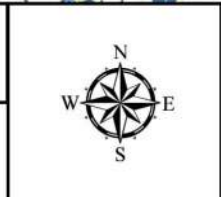
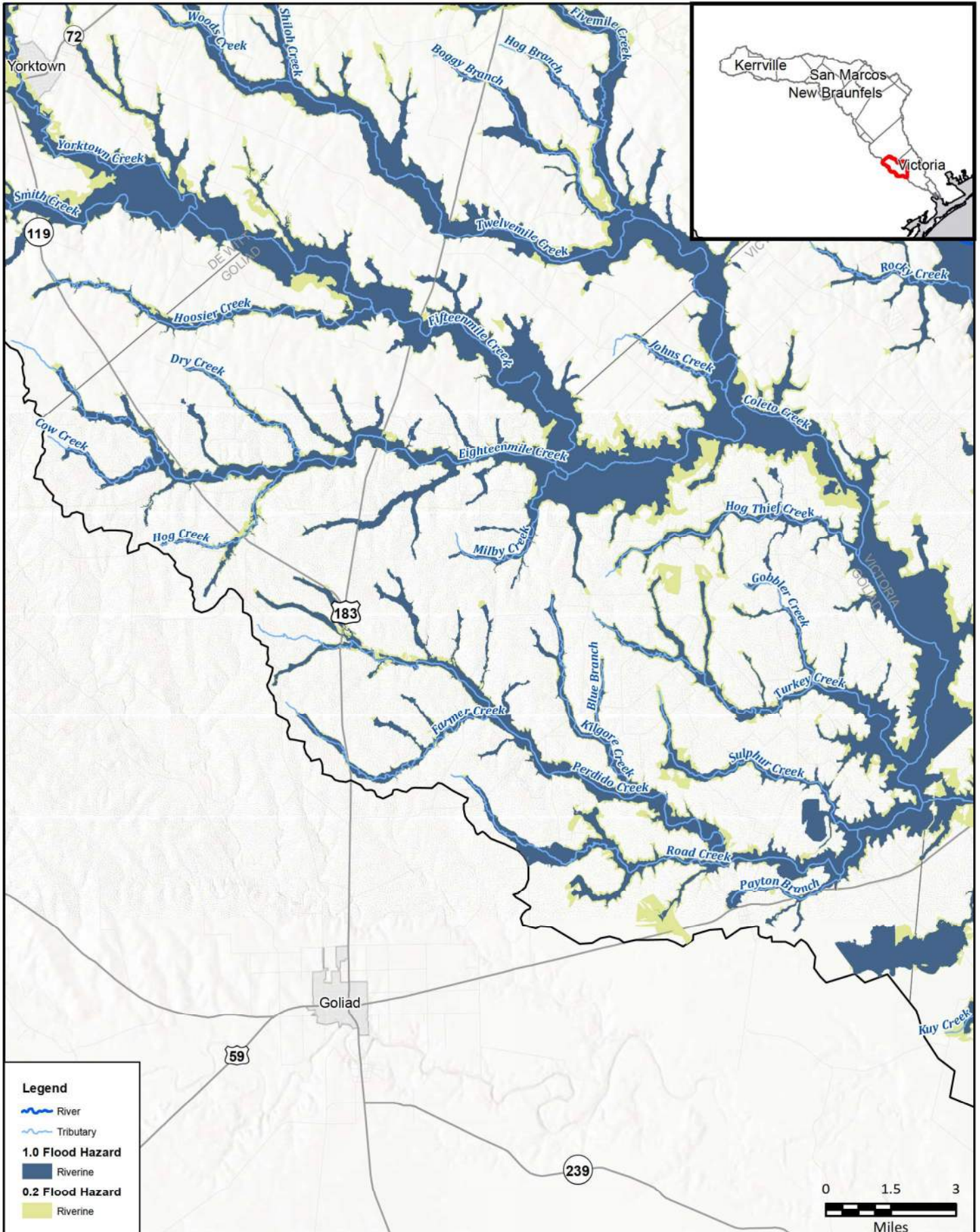
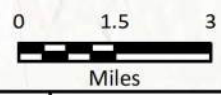


FIGURE  
11 of 14



**Legend**

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



FN PROJECT NO.	OB21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 8_FutFldHazardMapbook
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 8 - Future Flood Hazard Areas

**Goliad County**

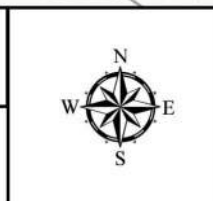
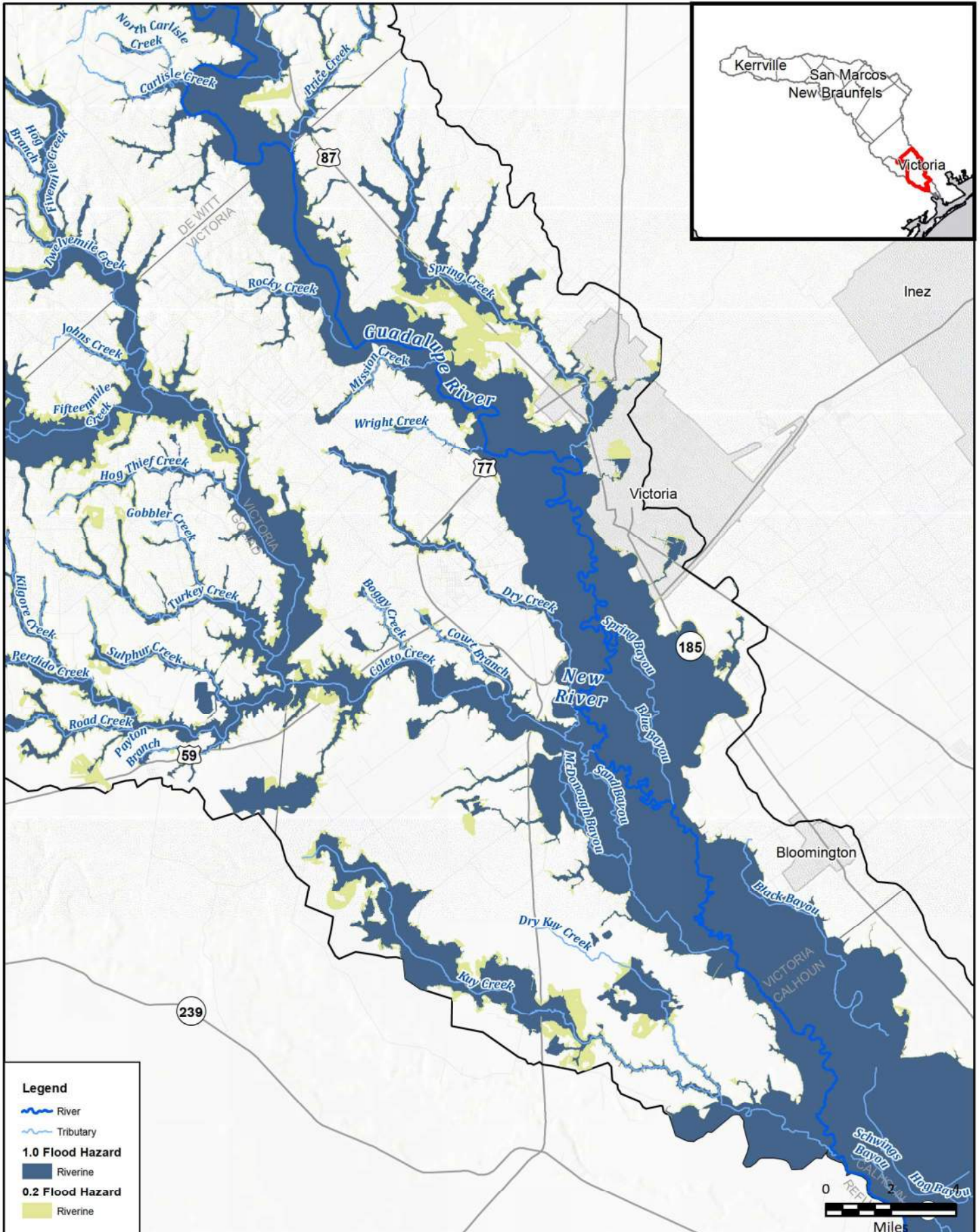


FIGURE  
12 of 14



**Legend**

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

FN PROJECT NO.	OB21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 8_FutFidHazardMapbook
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING 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 8 - Future Flood Hazard Areas

## Victoria County

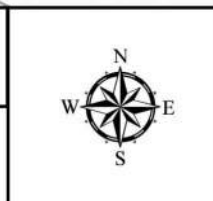
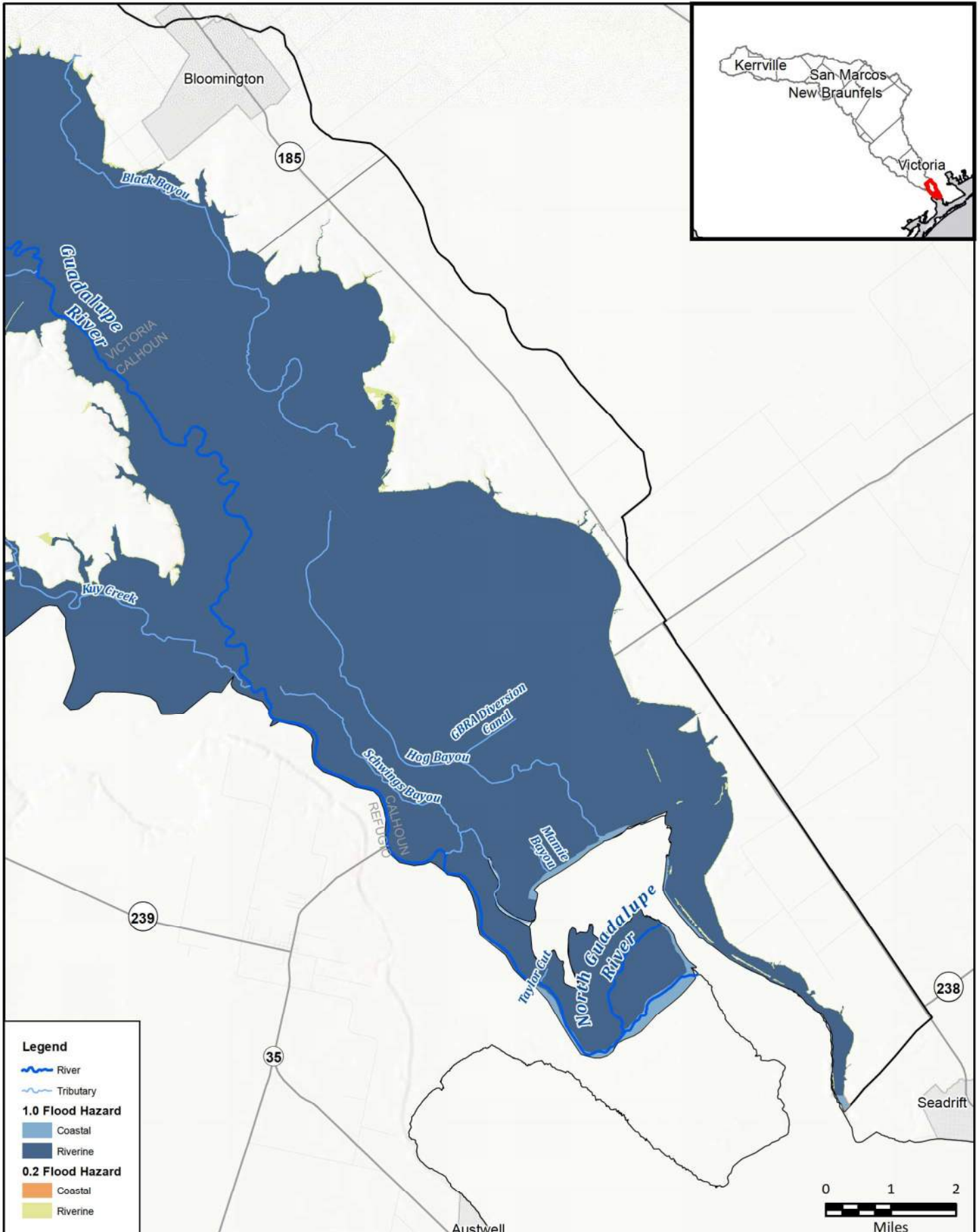


FIGURE  
13 of 14



**Legend**

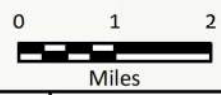
- River
- Tributary

**1.0 Flood Hazard**

- Coastal
- Riverine

**0.2 Flood Hazard**

- Coastal
- Riverine



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 8_FutFidHazardMapbook
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 8 - Future Flood Hazard Areas

# Calhoun County

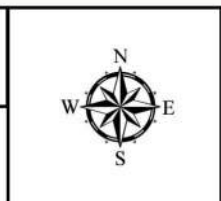


FIGURE  
14 of 14

**Table 5: Future Condition Flood Risk Summary  
Table (by County)**



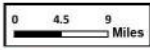
RFPG No.	RFPG Name	County	Area in Flood Planning Region (sqmi)	1% Annual Chance Flood Risk							0.2% Annual Chance Flood Risk							Possible Flood Prone Areas							Average SVI of features in floodplain or flood prone areas		
				Area in Floodplain (sqmi)	Number of Structures in Floodplain	Residential 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)
11	Guadalupe	Bandera	15.5	0.6	6	0	2	1	0.3	0.5	0	0.1	1	0	0	0.0	0.1	0	0.0000	0	0	0	0	0.0	0.00	0	0.46
11	Guadalupe	Bastrop	38.6	3.9	21	14	31	11	2.2	2.5	0	0.7	22	20	42	3	0.8	0.6	0.0000	0	0	0	0	0.0	0.00	0	0.32
11	Guadalupe	Blanco	162.4	13.2	362	272	736	76	23.6	9.5	0	7.6	451	337	1184	8	13.5	5.7	0.0000	0	0	0	0	0.0	0.00	0	0.52
11	Guadalupe	Caldwell	486.8	96.5	1905	1380	5210	288	105.4	63.3	18	17.2	1389	1132	3552	42	28.9	12.7	0.0000	0	0	0	0	0.0	0.00	0	0.57
11	Guadalupe	Calhoun	71.2	47.9	121	100	281	6	5.4	4.0	0	0.4	4	3	9	0	0.0	0.3	0.0000	0	0	0	0	0.0	0.00	0	0.79
11	Guadalupe	Comal	475.7	75.4	9833	7737	41564	256	189.4	17.0	29	18.8	4970	4377	17788	50	69.8	6.0	0.0000	0	0	0	0	0.0	0.00	0	0.37
11	Guadalupe	De Witt	685.5	161.2	4388	2719	11049	362	161.9	119.5	44	30.0	1220	842	2971	44	48.9	26.0	0.0000	0	0	0	0	0.0	0.00	0	0.63
11	Guadalupe	Fayette	70.8	11.6	60	29	77	52	11.9	7.2	0	2.2	41	26	79	4	2.9	1.9	0.0000	0	0	0	0	0.0	0.00	0	0.48
11	Guadalupe	Gillespie	31.8	0.8	14	4	38	2	0.1	0.7	0	0.3	12	6	14	0	0.0	0.3	0.0000	0	0	0	0	0.0	0.00	0	0.34
11	Guadalupe	Goliad	195.6	40.1	278	100	495	92	18.7	27.5	5	10.6	145	79	344	17	8.6	8.9	0.0000	0	0	0	0	0.0	0.00	0	0.47
11	Guadalupe	Gonzales	1056.8	256.3	2398	1171	4317	482	158.8	182.2	5	42.3	1117	578	4467	61	47.5	37.4	0.0000	0	0	0	0	0.0	0.00	0	0.73
11	Guadalupe	Guadalupe	540.6	96.9	8009	6526	20728	364	154.4	47.3	20	14.3	2037	1691	4725	34	32.2	8.5	0.0000	0	0	0	0	0.0	0.00	0	0.42
11	Guadalupe	Hays	376.7	55.0	9488	7588	58023	314	148.0	15.9	23	10.0	5195	4559	30360	20	45.8	3.3	0.0000	0	0	0	0	0.0	0.00	0	0.47
11	Guadalupe	Karnes	48.7	6.9	5	2	9	13	3.3	4.6	0	1.4	3	1	4	2	1.3	1.3	0.0000	0	0	0	0	0.0	0.00	0	0.08
11	Guadalupe	Kendall	502.9	60.3	2487	1323	4779	198	64.7	47.0	6	19.2	718	358	1966	17	20.2	15.7	0.0000	0	0	0	0	0.0	0.00	0	0.38
11	Guadalupe	Kerr	769.6	86.7	7367	4688	24039	522	195.2	60.5	15	19.0	2577	1424	10321	24	50.3	13.6	0.0000	0	0	0	0	0.0	0.00	0	0.53
11	Guadalupe	Lavaca	8.6	0.2	1	0	0	1	0.1	0.2	0	0.1	1	0	0	0	0.1	0.1	0.0000	0	0	0	0	0.0	0.00	0	0.34
11	Guadalupe	Refugio	0.6	0.6	3	1	8	2	1.1	0.0	0	0.0	0	0	0	0	0.0	0.0	0.0000	0	0	0	0	0.0	0.00	0	0.59
11	Guadalupe	Travis	5.5	0.5	13	13	33	2	0.1	0.2	0	0.1	4	4	8	0	0.1	0.1	0.0000	0	0	0	0	0.0	0.00	0	0.63
11	Guadalupe	Victoria	413.7	149.4	2955	2357	10276	145	130.0	43.4	49	19.0	1856	1543	8633	12	43.8	7.3	0.0000	0	0	0	0	0.0	0.00	0	0.49
11	Guadalupe	Wilson	52.7	5.7	22	10	39	17	5.0	4.2	0	1.2	2	1	5	2	1.0	1.1	0.0000	0	0	0	0	0.0	0.00	0	0.58

**Map 9: Future Condition Flood Hazard - Gaps in Inundation Boundary Mapping including Identification of Known Flood-Prone Areas**



**Legend**

- River
- Tributary
- Major Reservoirs
- No future modeling/mapping
- No future models with Atlas 14 rainfall

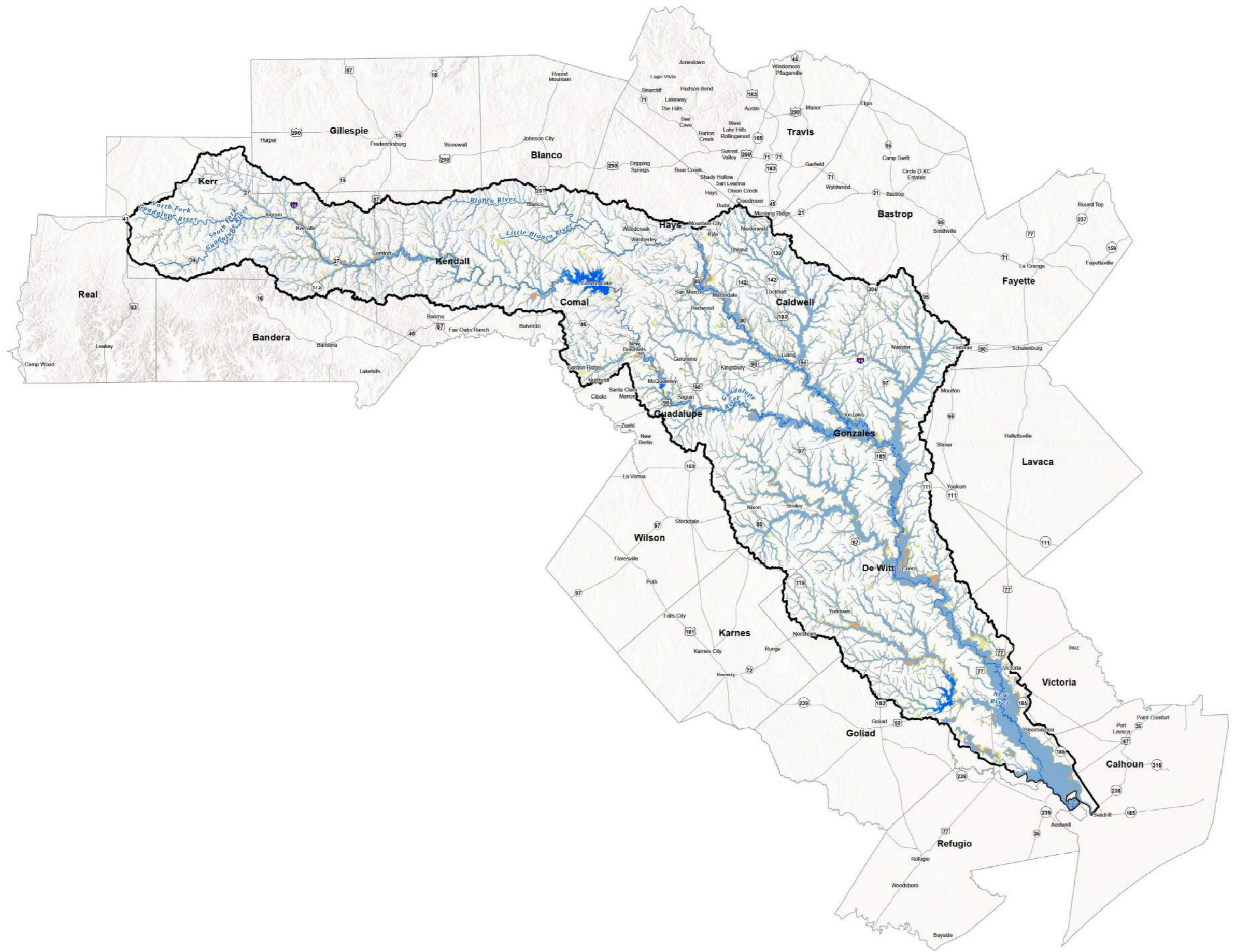


**Future Condition Flood Hazard - Gaps in Inundation Boundary Mapping and Identify Flood-Prone Areas**

Region 11: Guadalupe

PROJECT	GRA21302	<b>Map 9</b>
DATE	7/24/2023	
SCALE	1 in = 9 miles	
DRAWN	GRAS	

**Map 10:** Extent of Increase of Flood Hazard  
Compared to Existing Condition



**Legend**

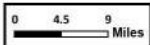
- Major Reservoirs
- River
- Tributary

**Existing Flood Hazard**

- 1% Annual Chance Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Flood Prone Areas

**Future Flood Hazard**

- 1% Annual Chance
- 0.2% Annual Chance
- Flood Planning Region

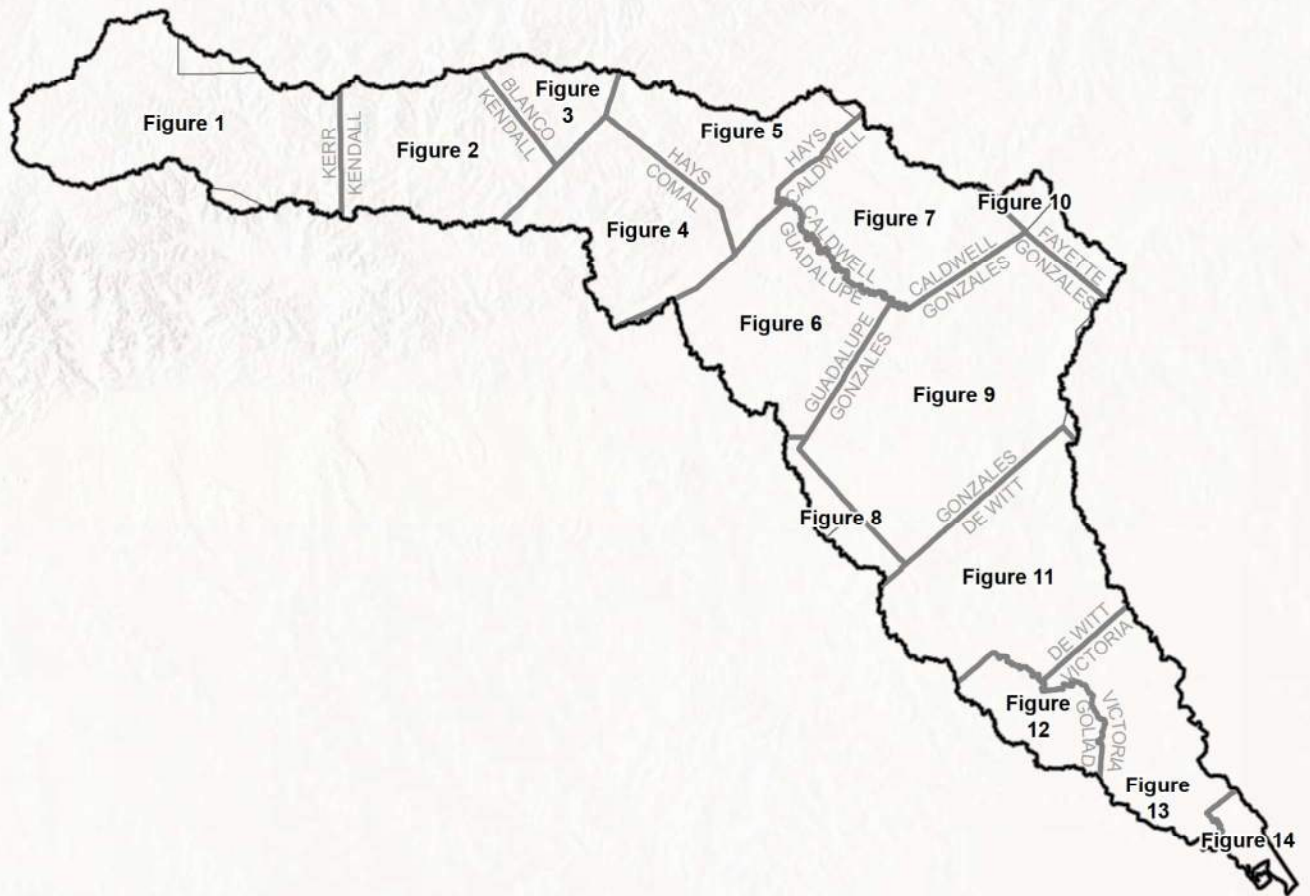


**Map 10 Region - Future Flood Hazard Increase**

Region 11: Guadalupe



PROJECT NO.	GR421302	<b>Map 10</b>
DATE	7/29/2021	
SCALE	1 in = 9 miles	
DRAWN BY	GR421	



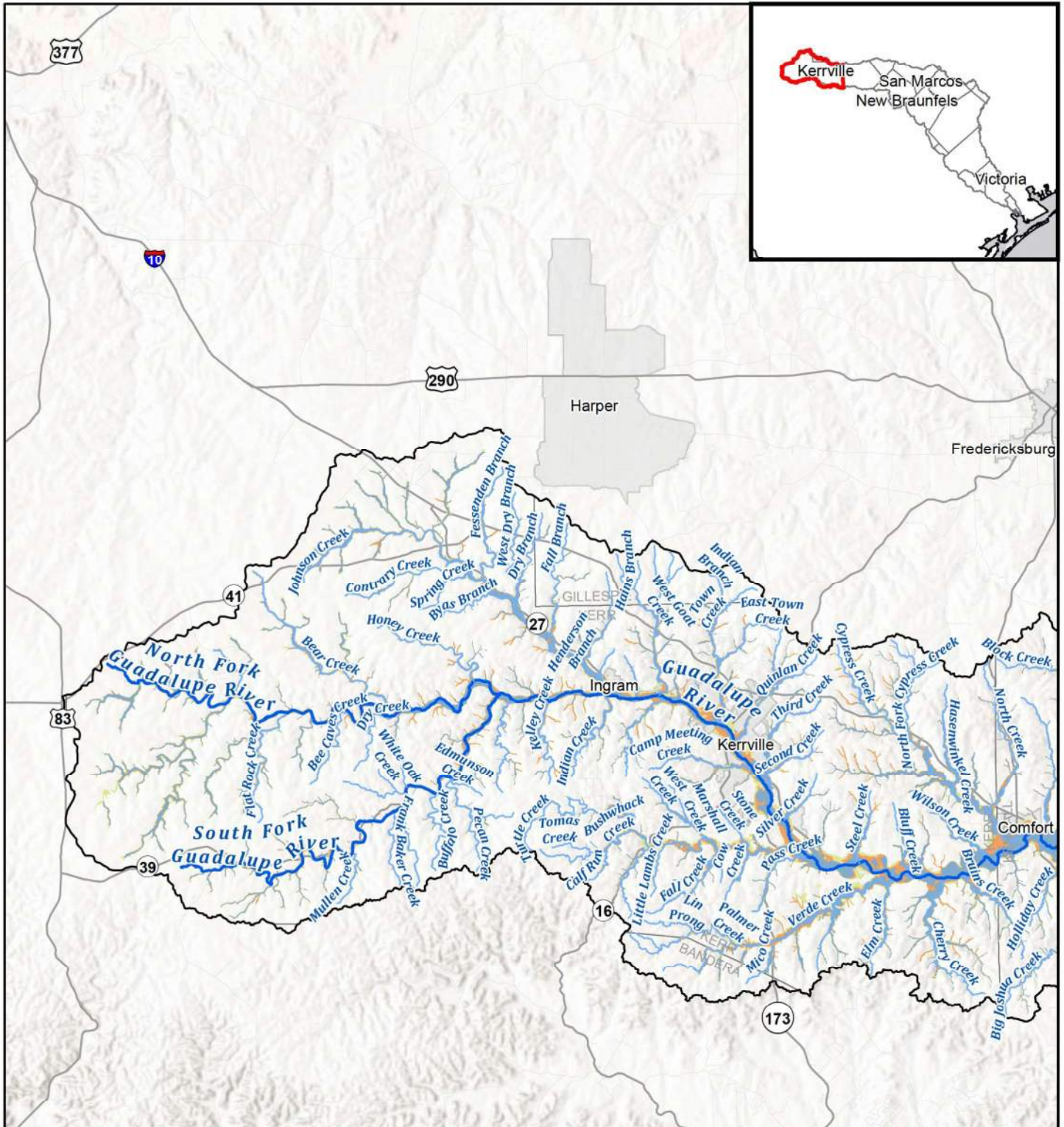
FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/19/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 10_IncFidHazard_Index
PREPARED BY	02405

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

Region 11: Guadalupe  
 Map 10 Index - Future Flood Hazard Increase  
  
**Index Map**



**FIGURE**  
**Index**



**Legend**

- River
- Tributary
- Existing Flood Hazard**
- 1% Annual Chance
- Future Flood Hazard**
- 1% Annual Chance
- 0.2% Annual Chance



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 10_IncFidHazardMapbook
PREPARED BY	02405

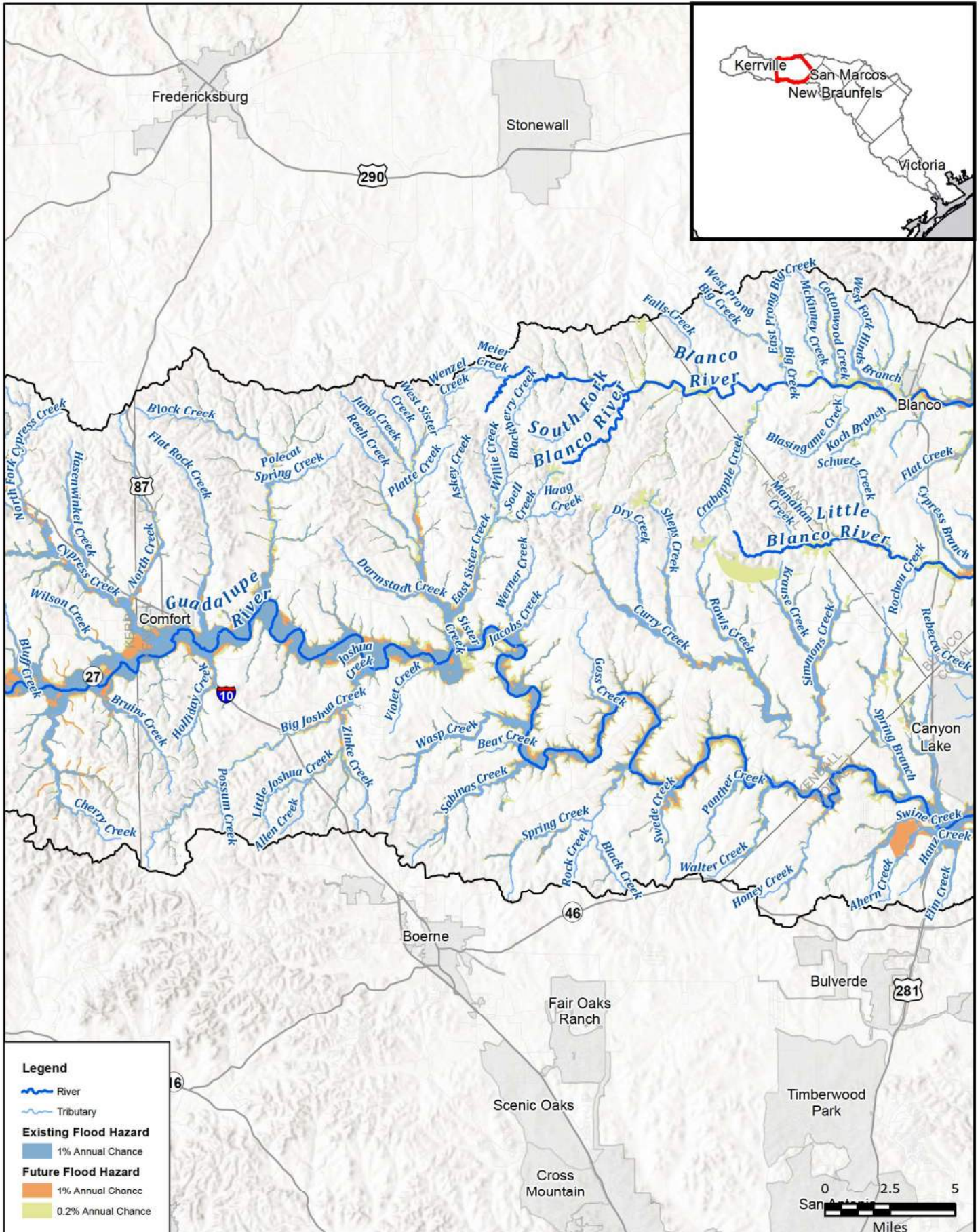
REGION 11  
**GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

Region 11: Guadalupe  
**Map 10 - Future Flood Hazard Increase**  
**Kerr County**



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



**Legend**

- River
- Tributary

**Existing Flood Hazard**

- 1% Annual Chance

**Future Flood Hazard**

- 1% Annual Chance
- 0.2% Annual Chance

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 10_IncFidHazardMapbook
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

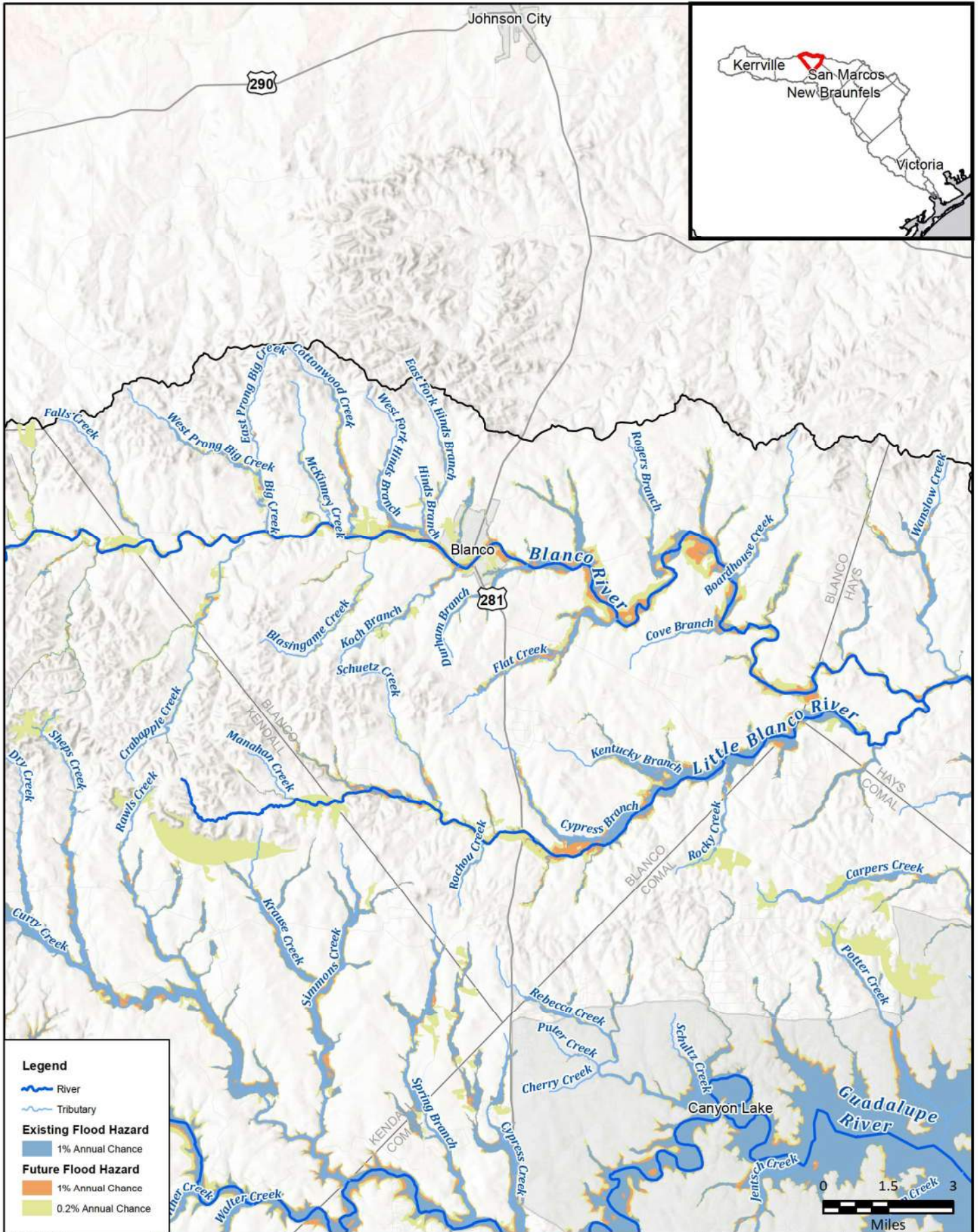
**FREESSE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 10 - Future Flood Hazard Increase  
**Kendall County**



FIGURE  
2 of 14





FN PROJECT NO.	0BA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 10_IncFldHazardMapbook
PREPARED BY	02405

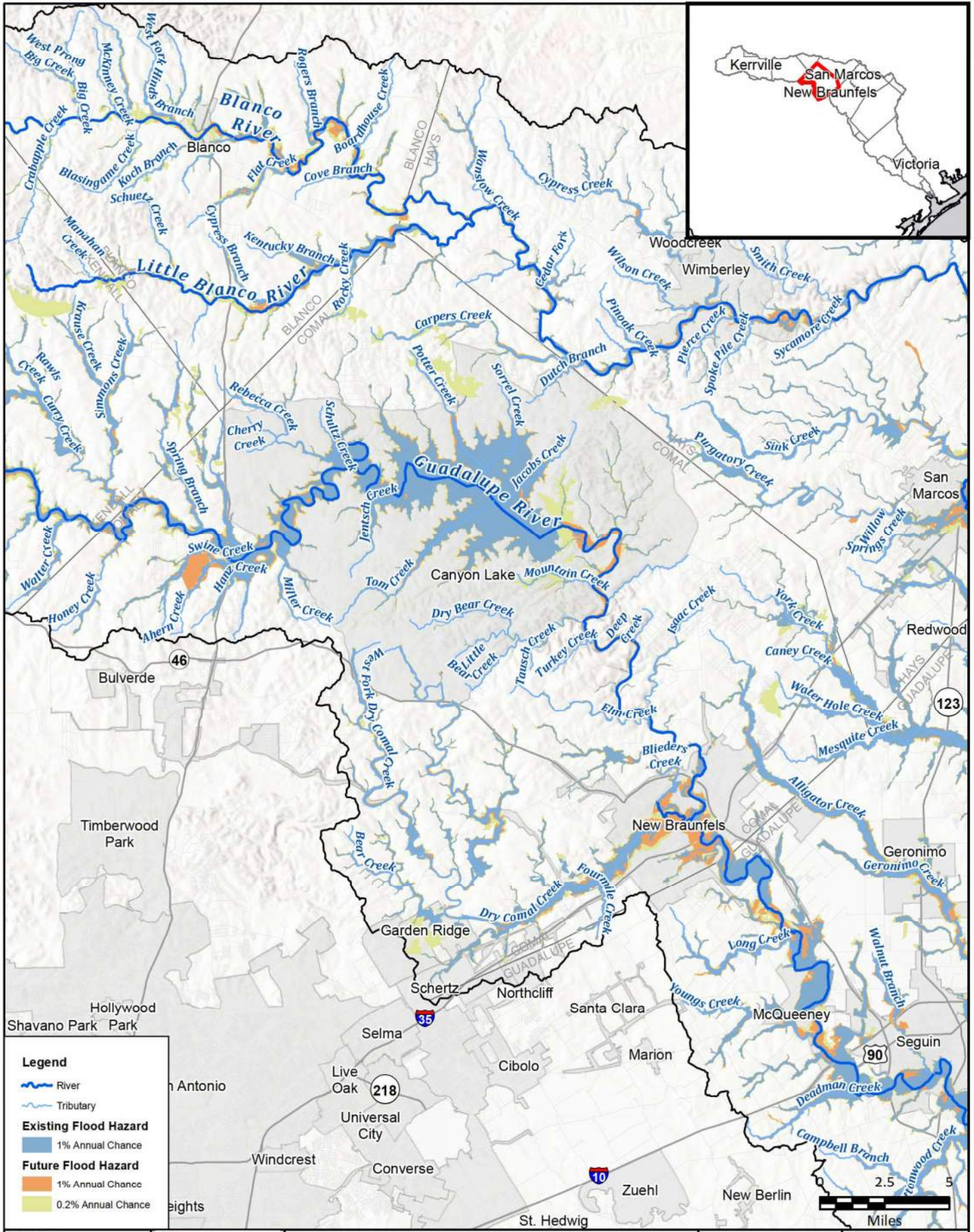
REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

Region 11: Guadalupe  
Map 10 - Future Flood Hazard Increase  
**Blanco County**



FIGURE  
3 of 14



**Legend**

- River
- Tributary

**Existing Flood Hazard**

- 1% Annual Chance

**Future Flood Hazard**

- 1% Annual Chance
- 0.2% Annual Chance

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 10_IncFidHazardMapbook
PREPARED BY	02405

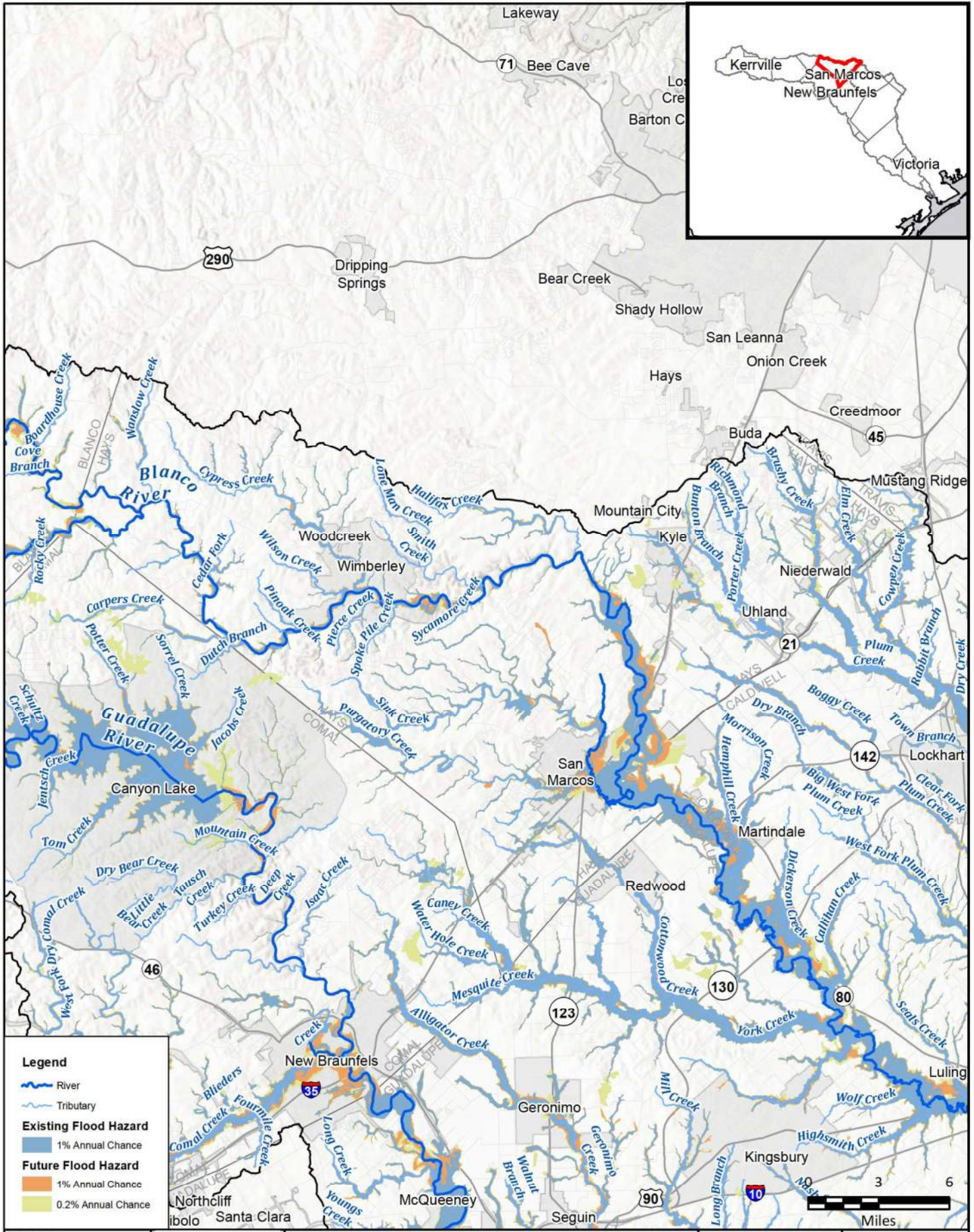
REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

Region 11: Guadalupe  
**Map 10 - Future Flood Hazard Increase**  
**Comal County**



**FIGURE**  
4 of 14



**Legend**

- River
- Tributary

**Existing Flood Hazard**

- 1% Annual Chance

**Future Flood Hazard**

- 1% Annual Chance
- 0.2% Annual Chance

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 10_IncFidHazardMapbook
PREPARED BY	02405

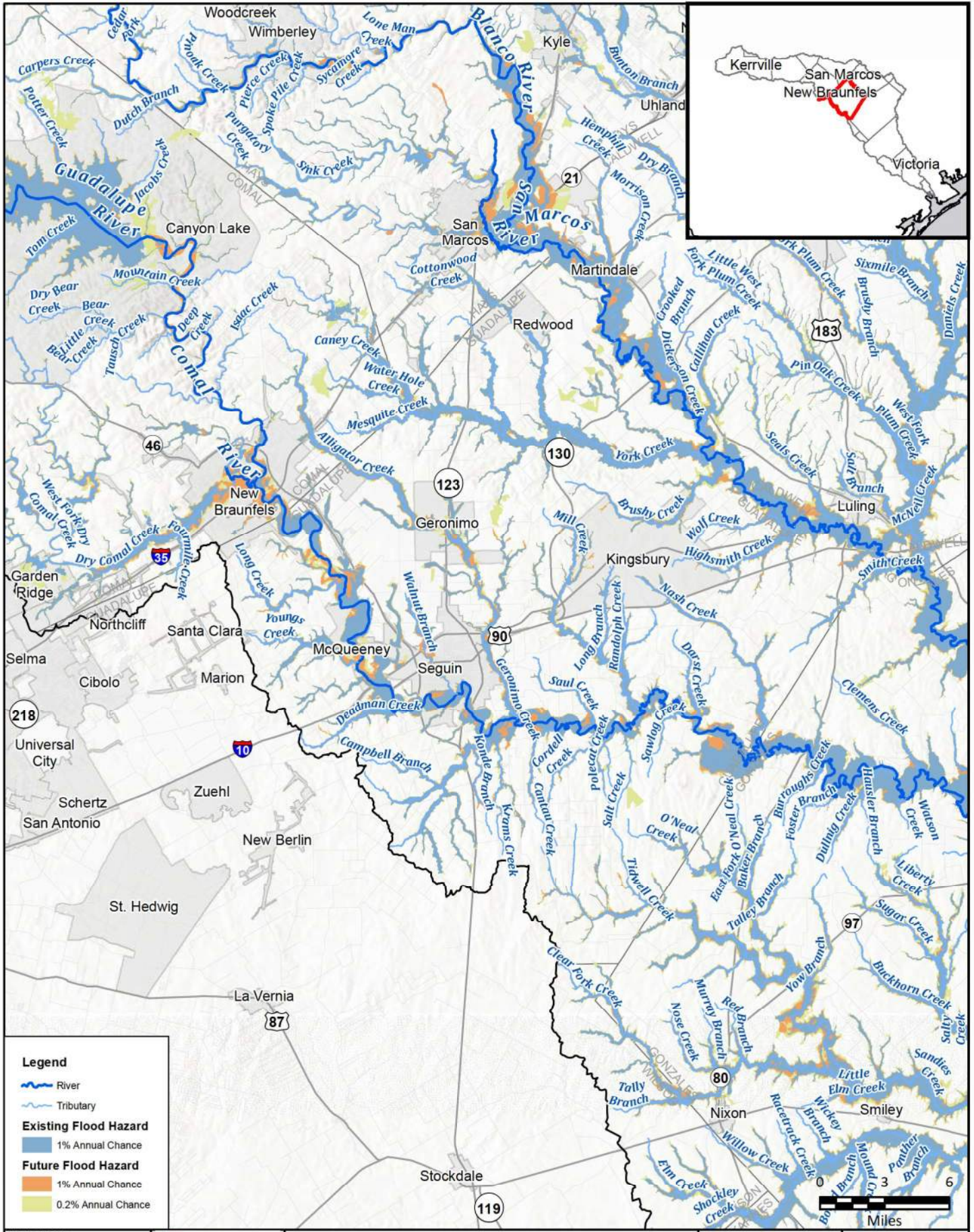
REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

Region 11: Guadalupe  
Map 10 - Future Flood Hazard Increase  
**Hays County**



FIGURE  
5 of 14



**Legend**

- River
- Tributary

**Existing Flood Hazard**

- 1% Annual Chance

**Future Flood Hazard**

- 1% Annual Chance
- 0.2% Annual Chance

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 10_IncFidHazardMapbook
PREPARED BY	02405

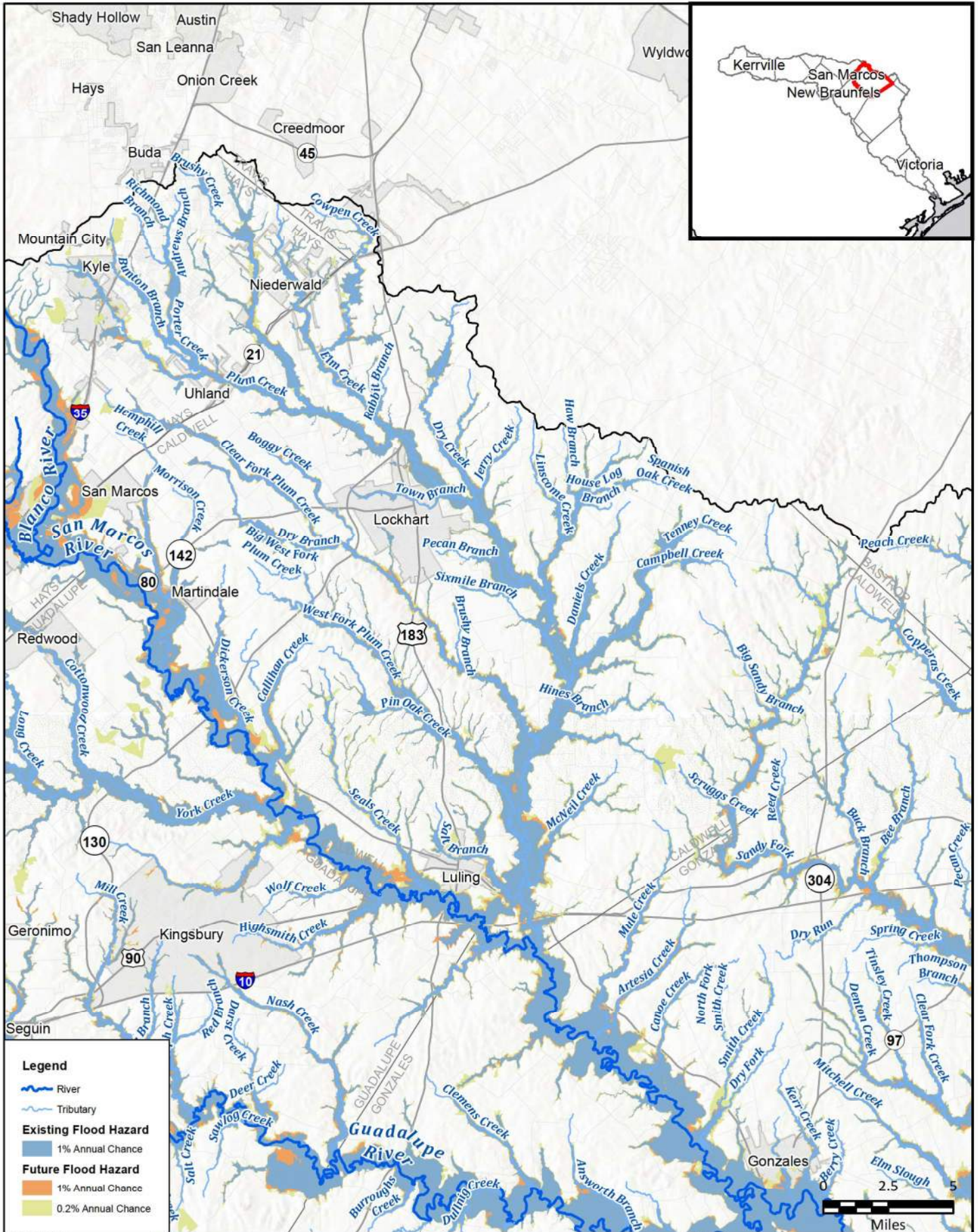
**REGION 11**  
**GUADALUPE**  
 REGIONAL FLOOD PLANNING GROUP

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

Region 11: Guadalupe  
 Map 10 - Future Flood Hazard Increase  
**Guadalupe County**



**FIGURE**  
 6 of 14



**Legend**

- River
- Tributary

**Existing Flood Hazard**

- 1% Annual Chance

**Future Flood Hazard**

- 1% Annual Chance
- 0.2% Annual Chance

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 10_IncFidHazardMapbook
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 10 - Future Flood Hazard Increase  
**Caldwell County**

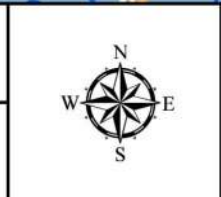
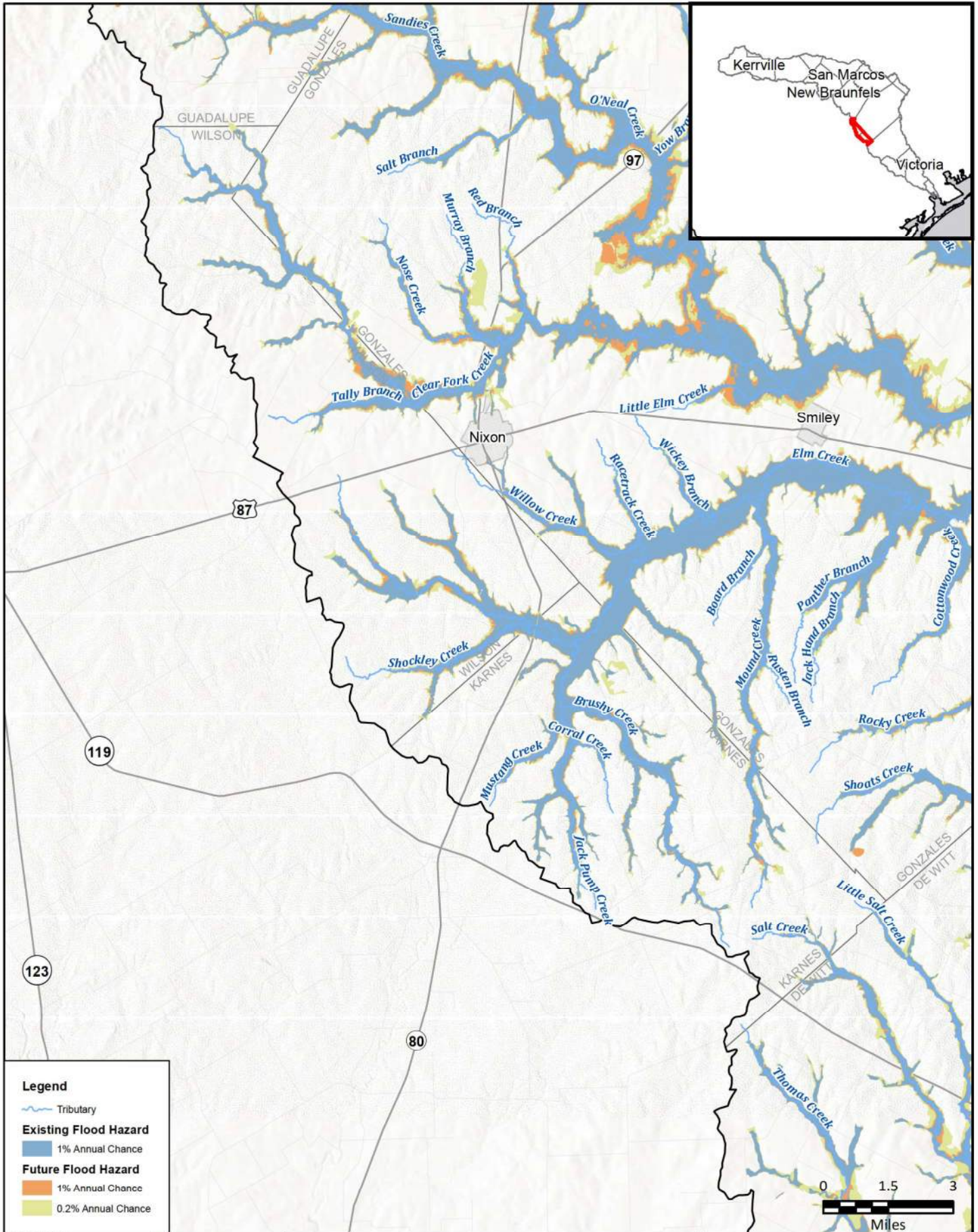


FIGURE  
7 of 14

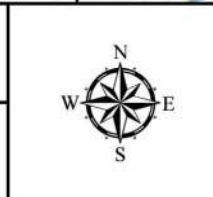


FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 10_IncFidHazardMapbook
PREPARED BY	02405

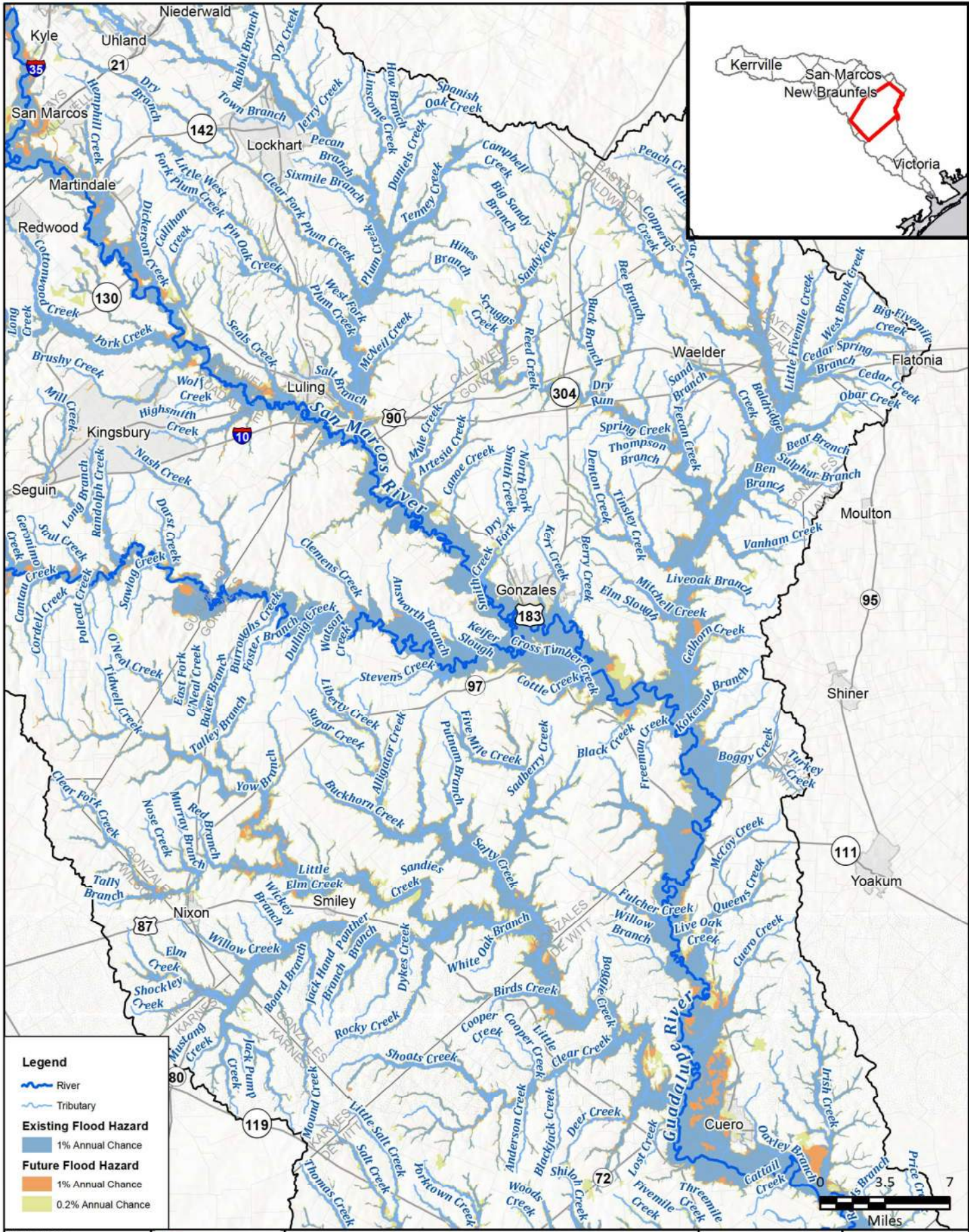
REGION **GUADALUPE**  
 REGIONAL FLOOD PLANNING GROUP

**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 10 - Future Flood Hazard Increase  
**Wilson & Karnes Counties**



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



**Legend**

- River
- Tributary
- Existing Flood Hazard
  - 1% Annual Chance
- Future Flood Hazard
  - 1% Annual Chance
  - 0.2% Annual Chance

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 10_IncFidHazardMapbook
PREPARED BY	02405

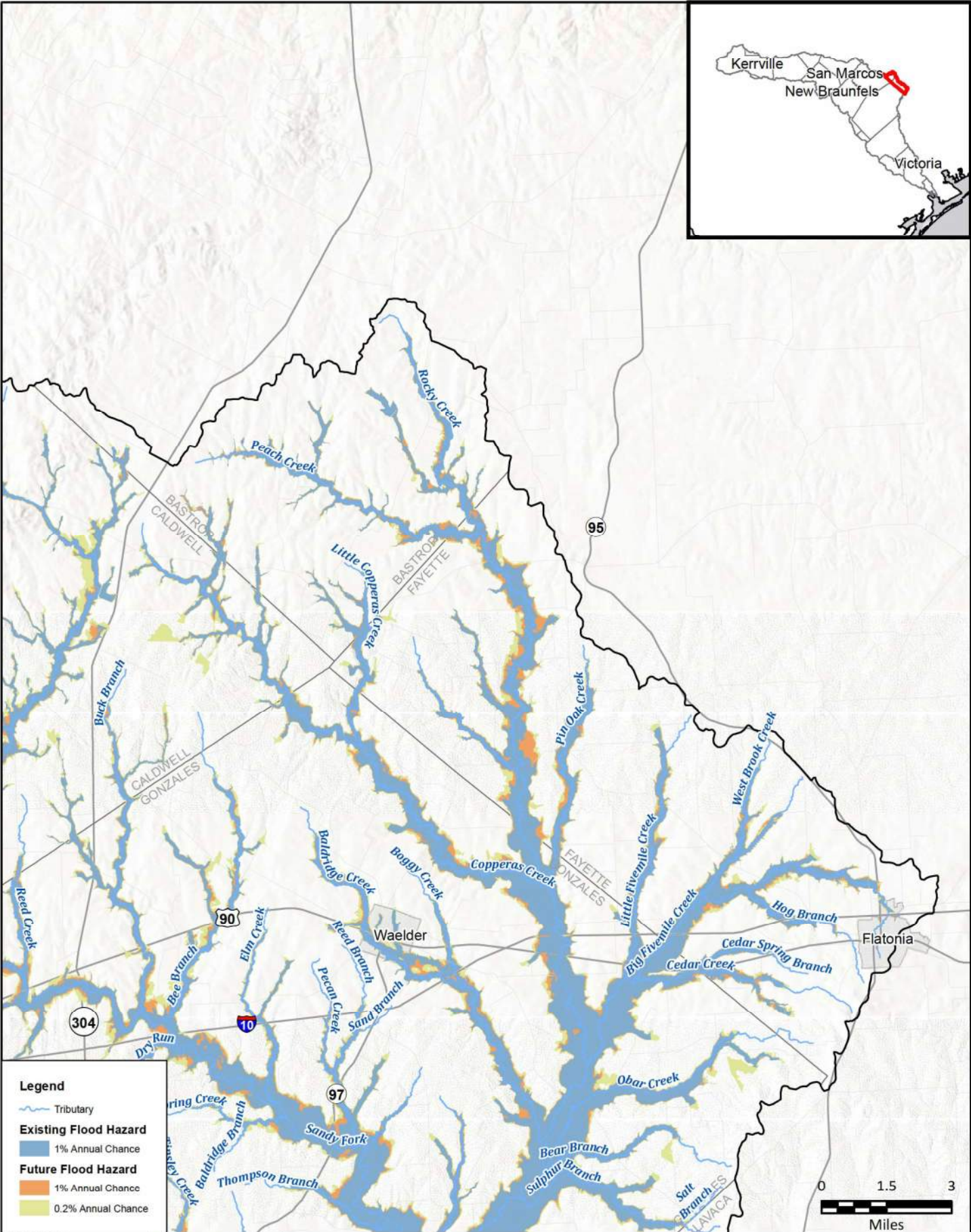
REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

Region 11: Guadalupe  
Map 10 - Future Flood Hazard Increase  
**Gonzales County**

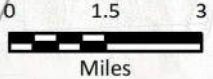


FIGURE  
9 of 14



**Legend**

- Tributary
- Existing Flood Hazard**
- 1% Annual Chance
- Future Flood Hazard**
- 1% Annual Chance
- 0.2% Annual Chance



FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 10_IncFidHazardMapbook
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 10 - Future Flood Hazard Increase  
**Bastrop & Fayette Counties**

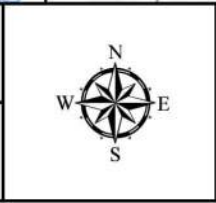
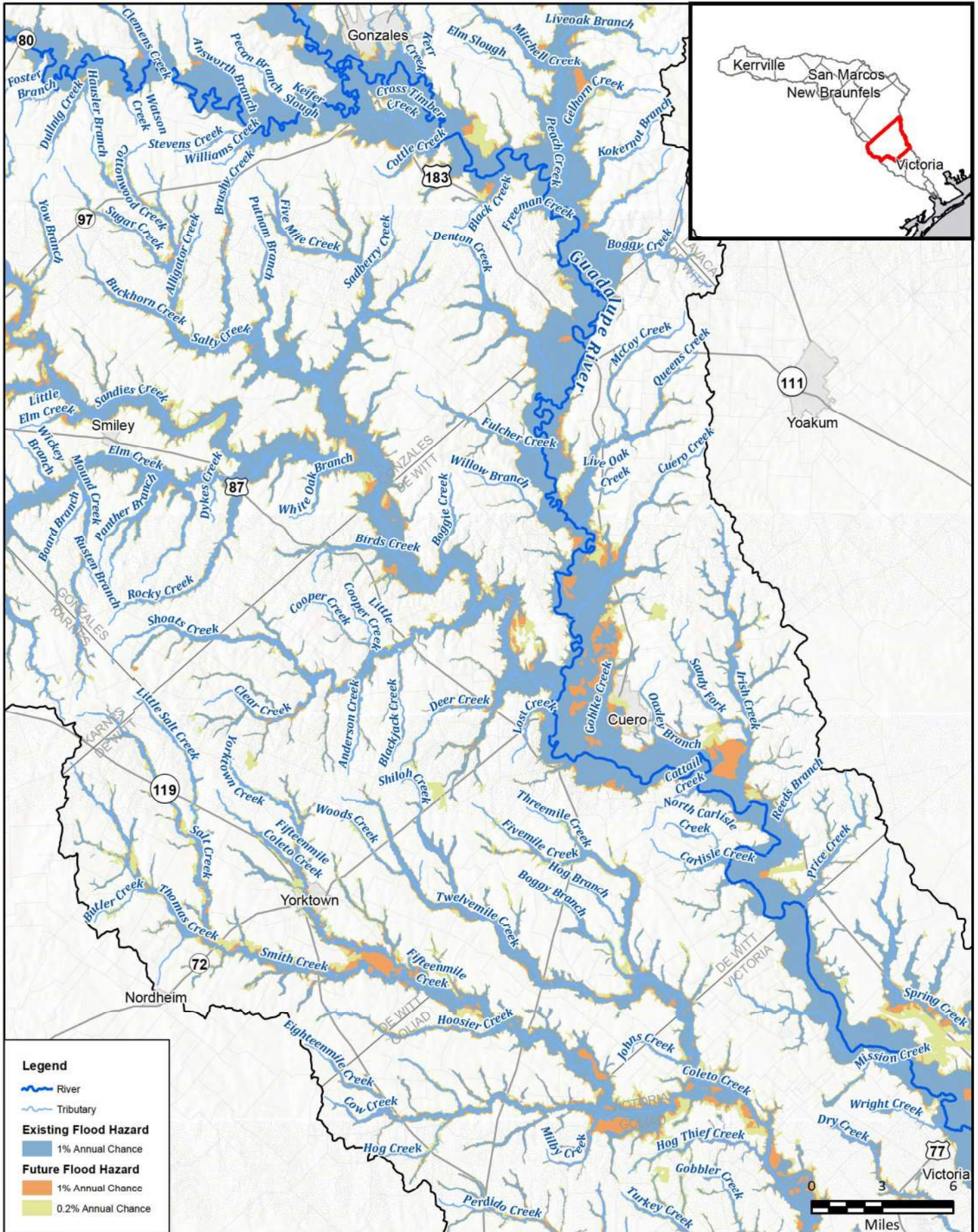


FIGURE  
10 of 14





**Legend**

- River
- Tributary

**Existing Flood Hazard**

- 1% Annual Chance

**Future Flood Hazard**

- 1% Annual Chance
- 0.2% Annual Chance

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 10_IncFidHazardMapbook
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

Region 11: Guadalupe  
Map 10 - Future Flood Hazard Increase  
**De Witt County**

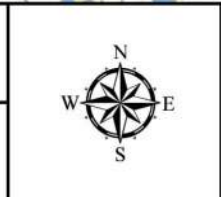
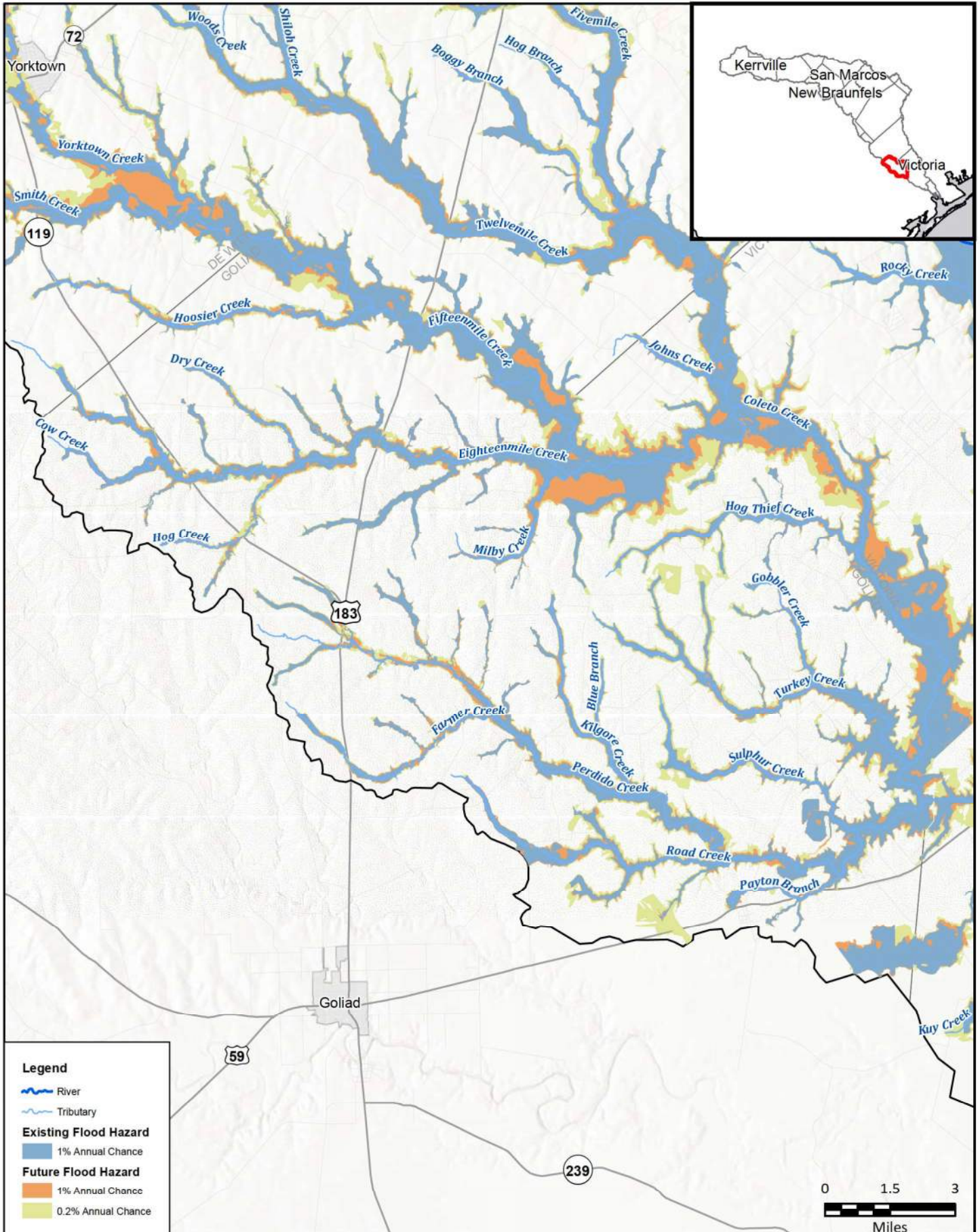


FIGURE  
11 of 14



**Legend**

- River
- Tributary

**Existing Flood Hazard**

- 1% Annual Chance

**Future Flood Hazard**

- 1% Annual Chance
- 0.2% Annual Chance



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 10_IncFidHazardMapbook
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 10 - Future Flood Hazard Increase  
**Goliad County**

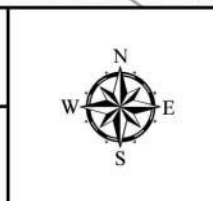
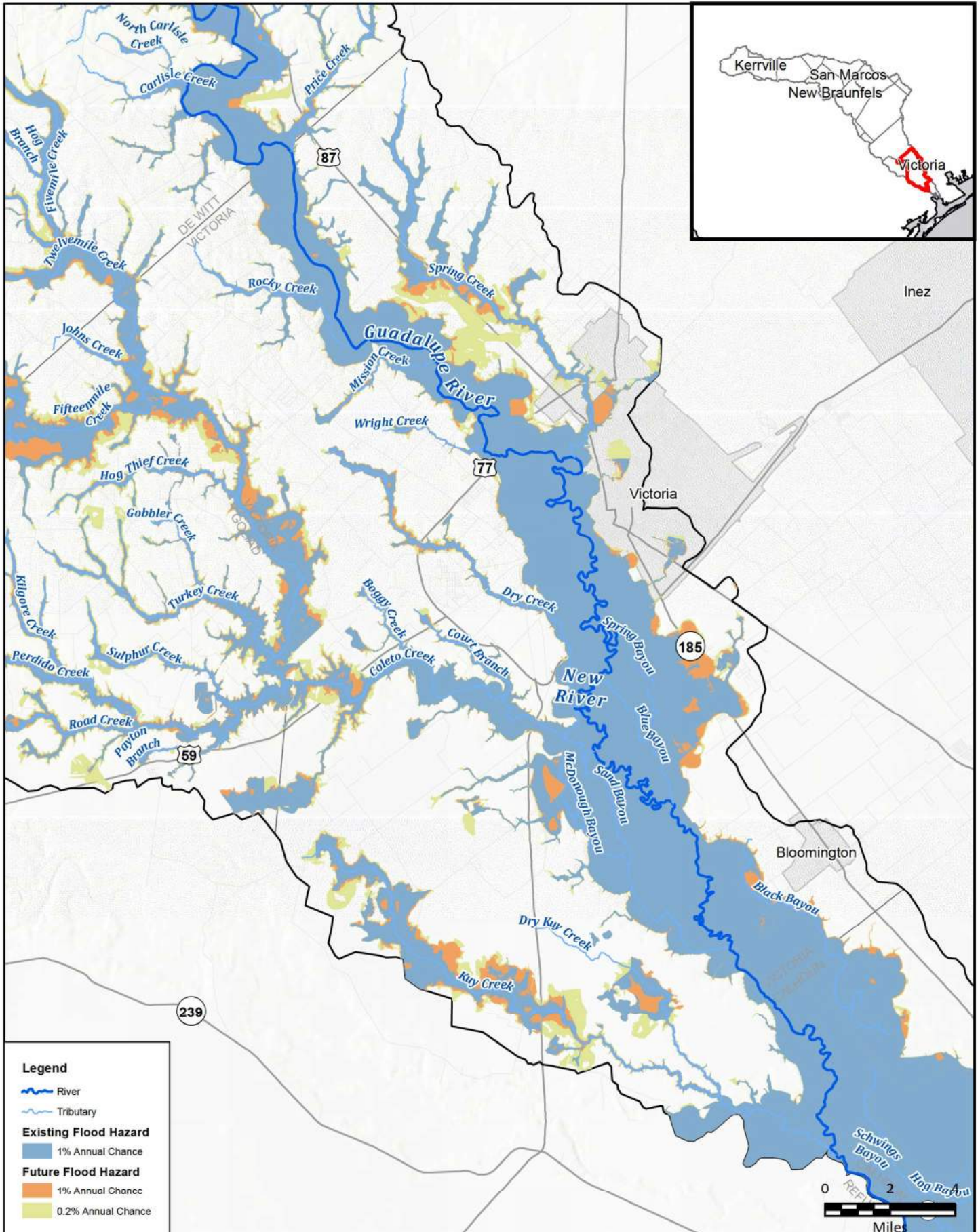


FIGURE  
12 of 14



**Legend**

- River
- Tributary

**Existing Flood Hazard**

- 1% Annual Chance

**Future Flood Hazard**

- 1% Annual Chance
- 0.2% Annual Chance

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 10_IncFidHazardMapbook
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FRESE & NICHOLS**

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

Region 11: Guadalupe  
Map 10 - Future Flood Hazard Increase  
**Victoria County**

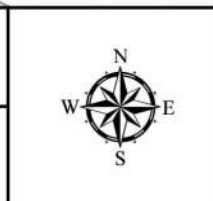
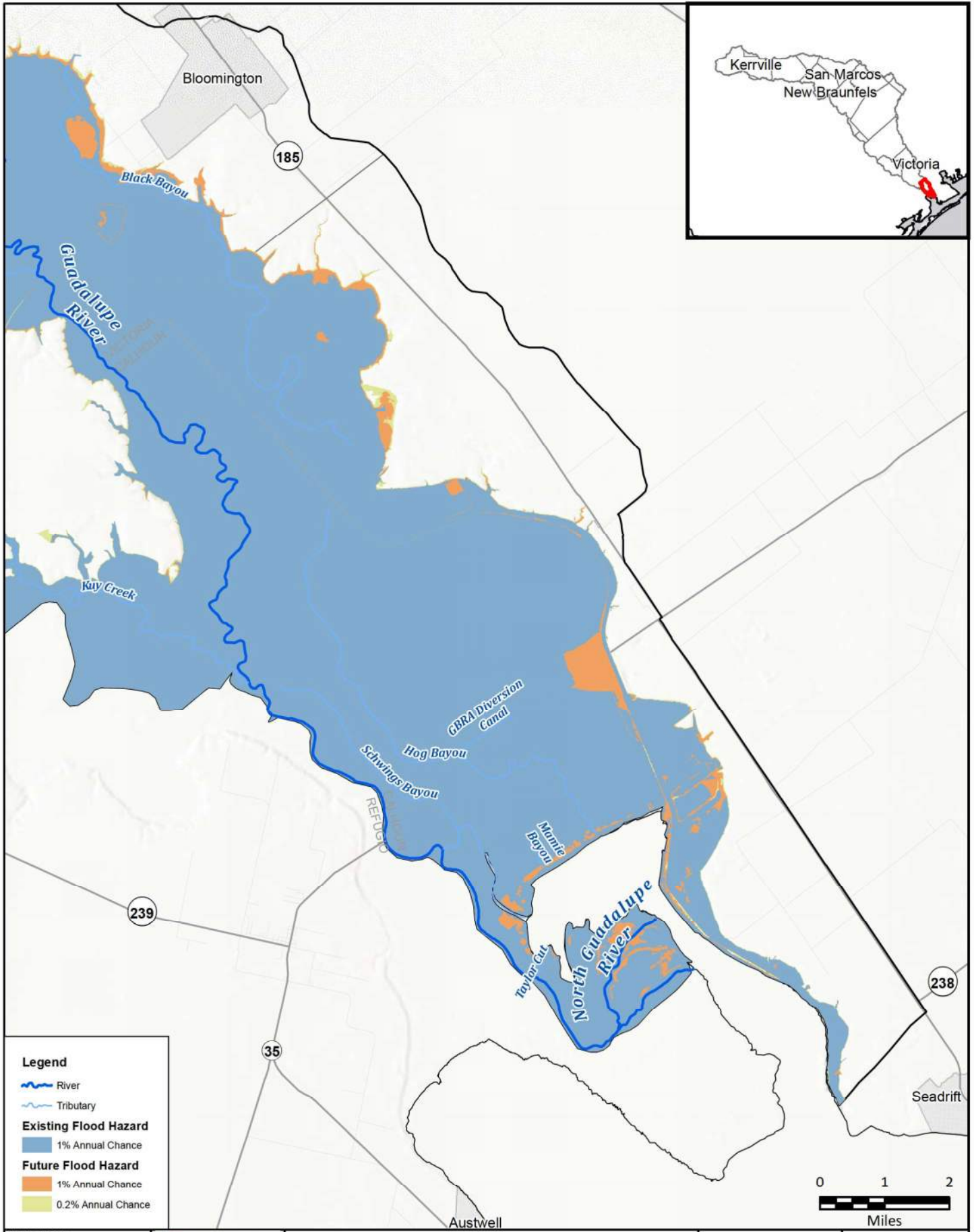


FIGURE  
13 of 14



**Legend**

- River
- Tributary

**Existing Flood Hazard**

- 1% Annual Chance

**Future Flood Hazard**

- 1% Annual Chance
- 0.2% Annual Chance



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 10_IncFidHazardMapbook
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

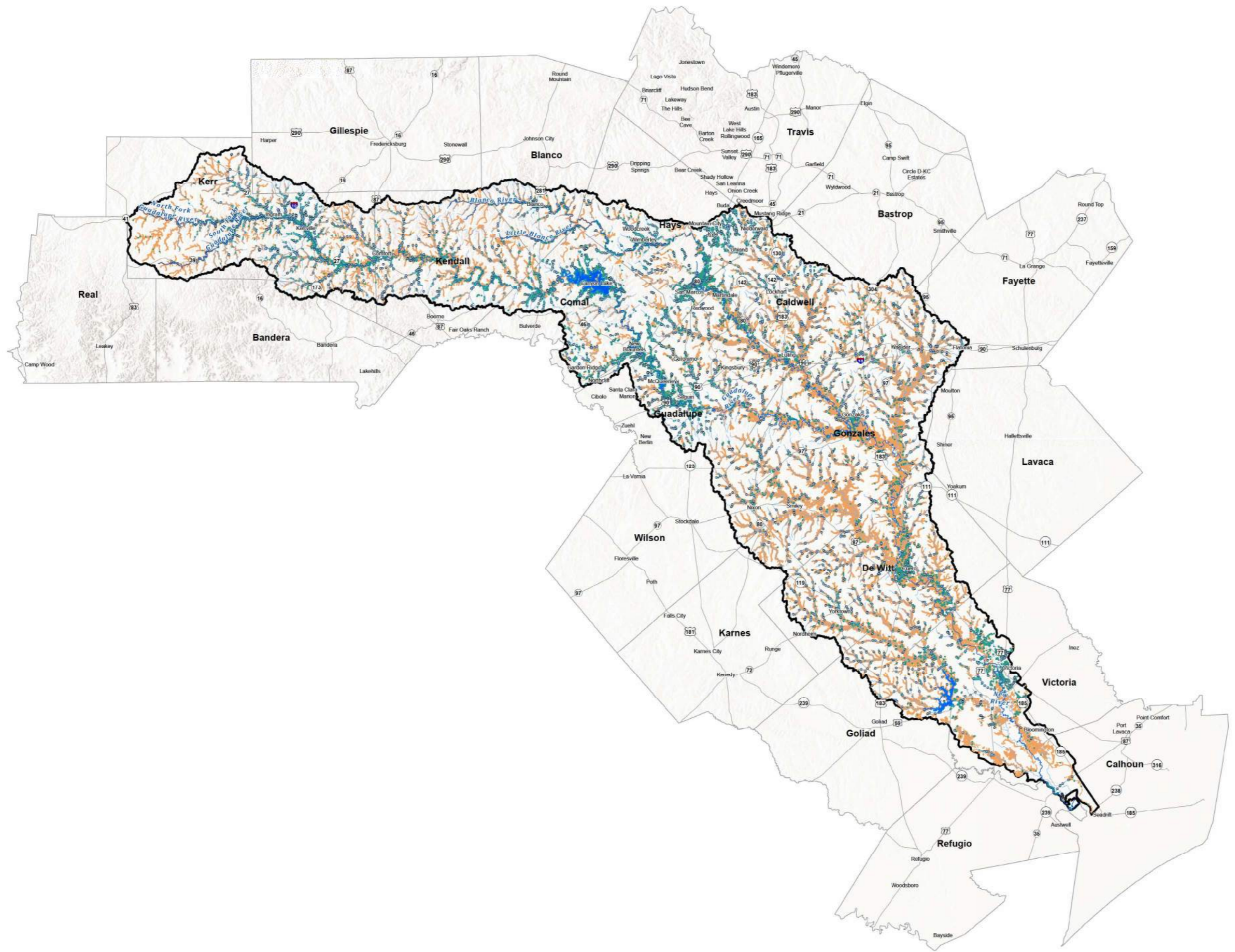
Region 11: Guadalupe  
Map 10 - Future Flood Hazard Increase

## Calhoun County



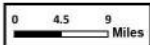
FIGURE  
14 of 14

## Map 11: Future Condition Flood Exposure



**Legend**

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

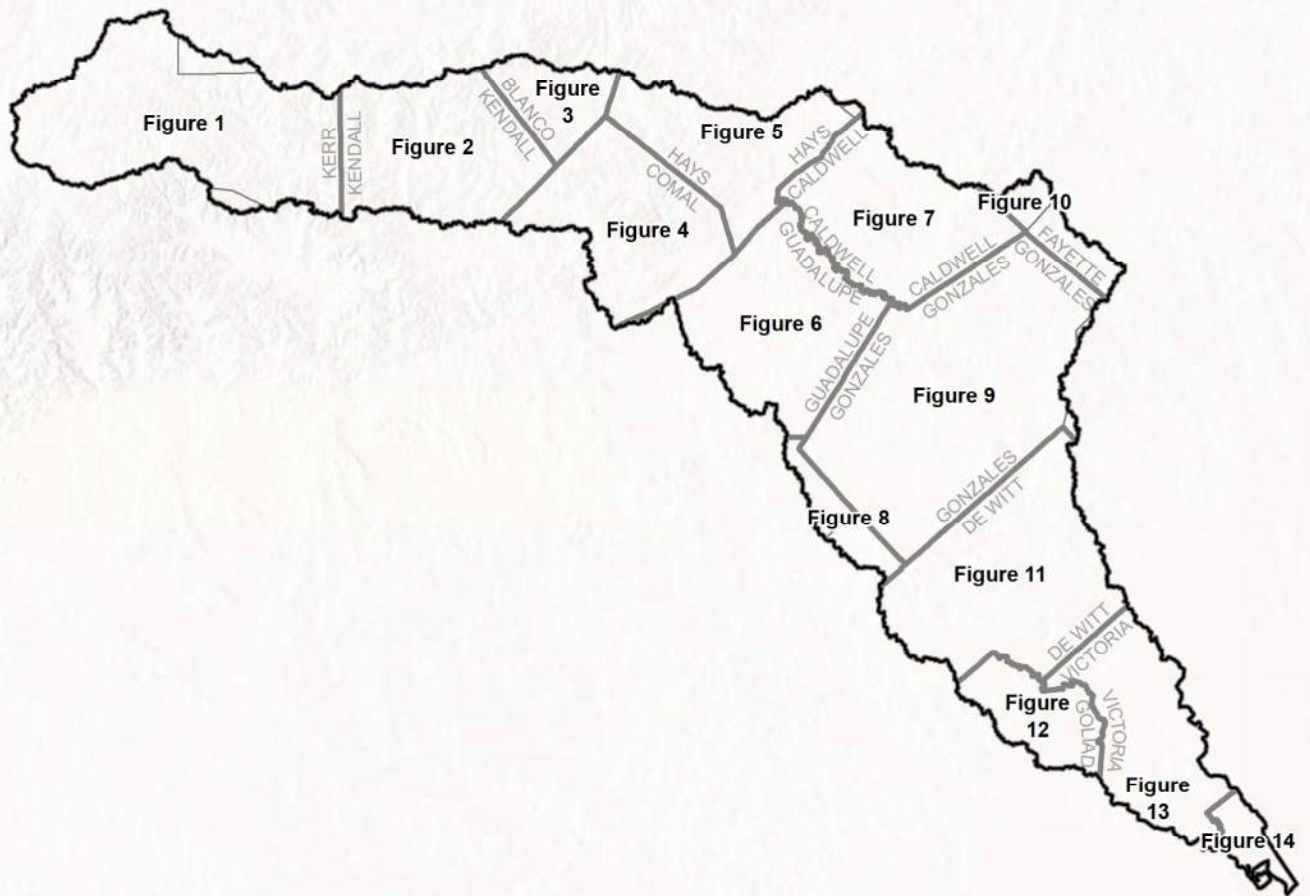


**GUADALUPE**  
**FREESE NICHOLS**  
 Freese and Nichols, Inc.  
 Office: (512) 617-3100



**Map 11 Region - Future Condition Flood Exposure**

Region 11: Guadalupe

PROJECT NO.	GR421302	<b>Map 11</b>
DATE	7/29/2021	
SCALE	1 in = 9 miles	
DRAWN BY	GR421	

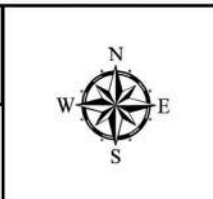


FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/19/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExp_Index
PREPARED BY	02405

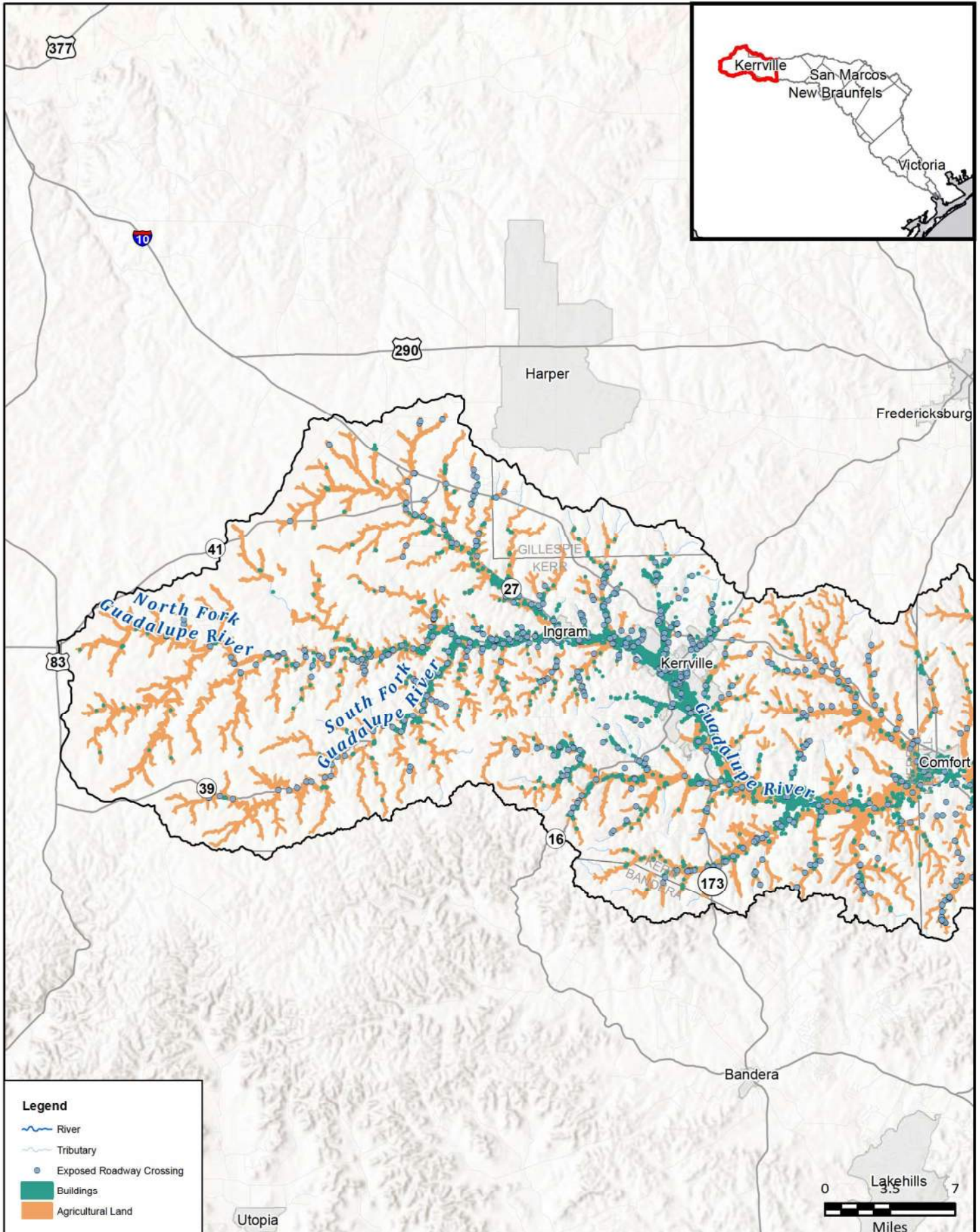
  
  
**FREESE AND NICHOLS, INC.**  
 10431 MORADO CIRCLE  
 BUILDING 5, SUITE 300  
 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

Region 11: Guadalupe  
 Map 11 Index - Future Condition Flood Exposure  
  

## Index Map



**FIGURE**  
**Index**



**Legend**

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

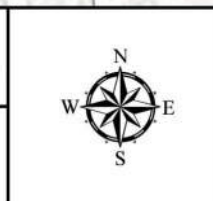


FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
PREPARED BY	02405

REGION 11  
**GUADALUPE**  
 REGIONAL FLOOD PLANNING GROUP

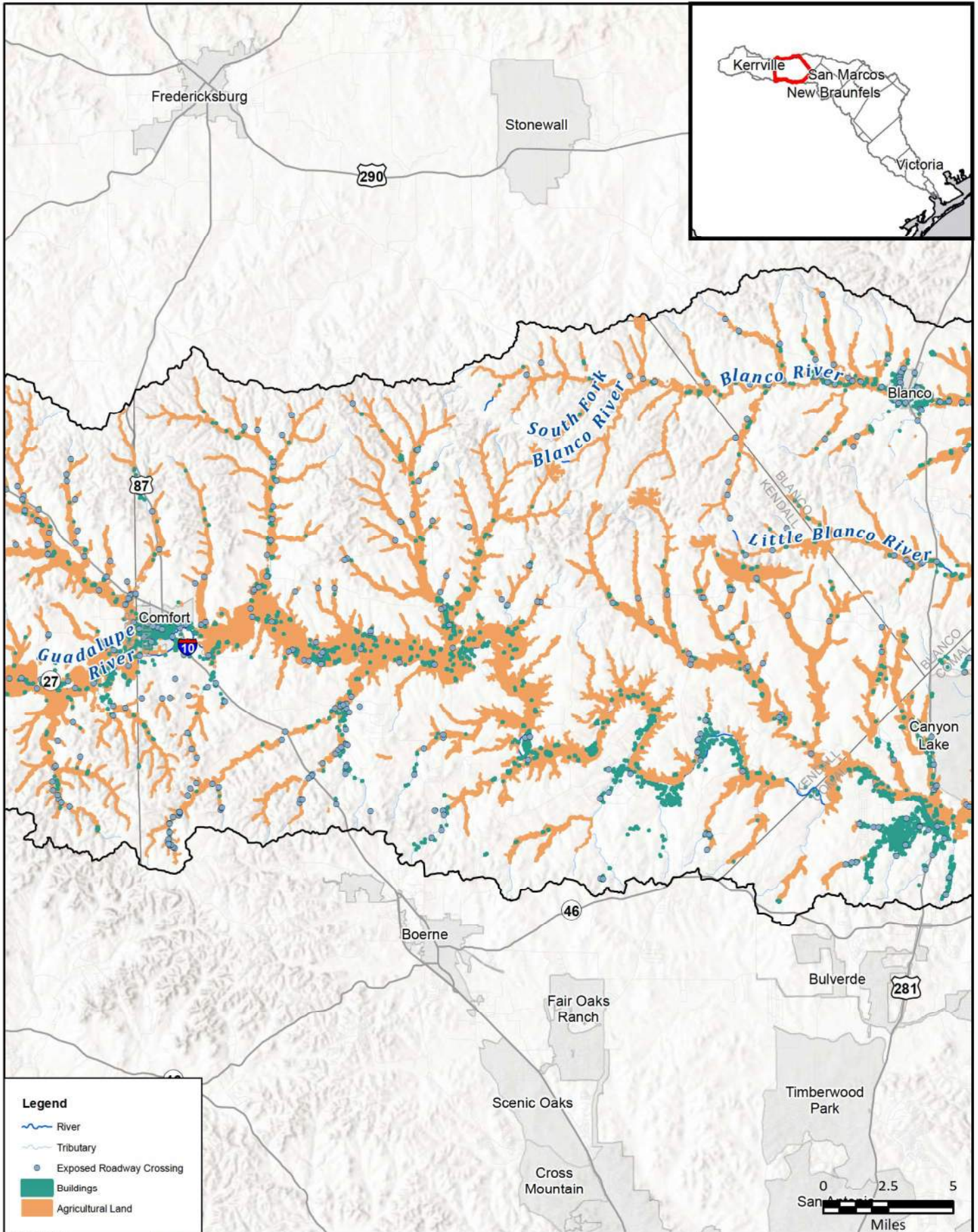
**FREESE AND NICHOLS**  
 FREESE AND NICHOLS, INC.  
 10431 MORADO CIRCLE  
 BUILDING 5, SUITE 300  
 AUSTIN, TEXAS 78759  
 OFFICE: (512) 617-3100

Region 11: Guadalupe  
**Map 11 - Future 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: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
PREPARED BY	02405

REGION  
**GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

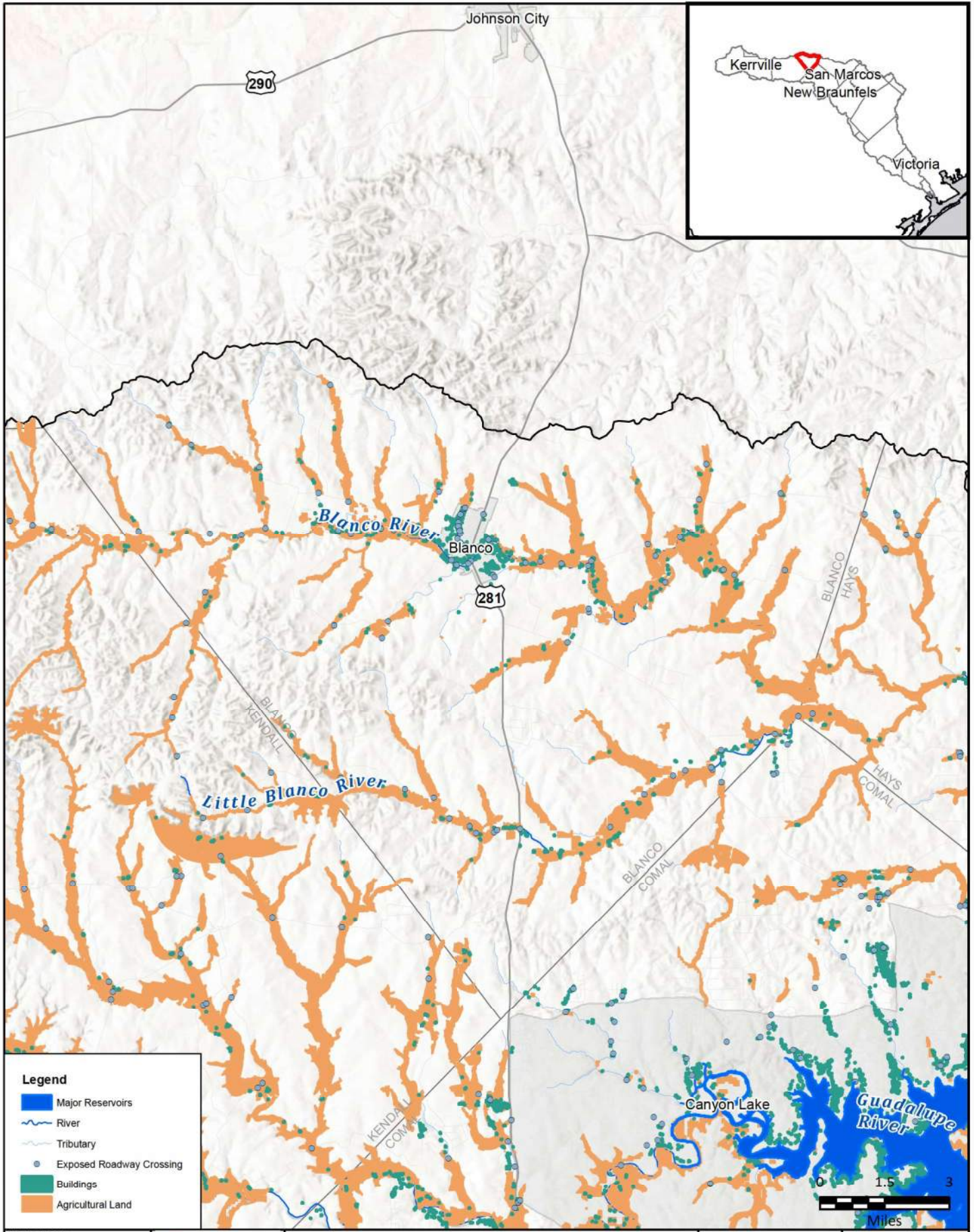
**FREESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 11 - Future 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: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFoodExpMapbook
PREPARED BY	02405

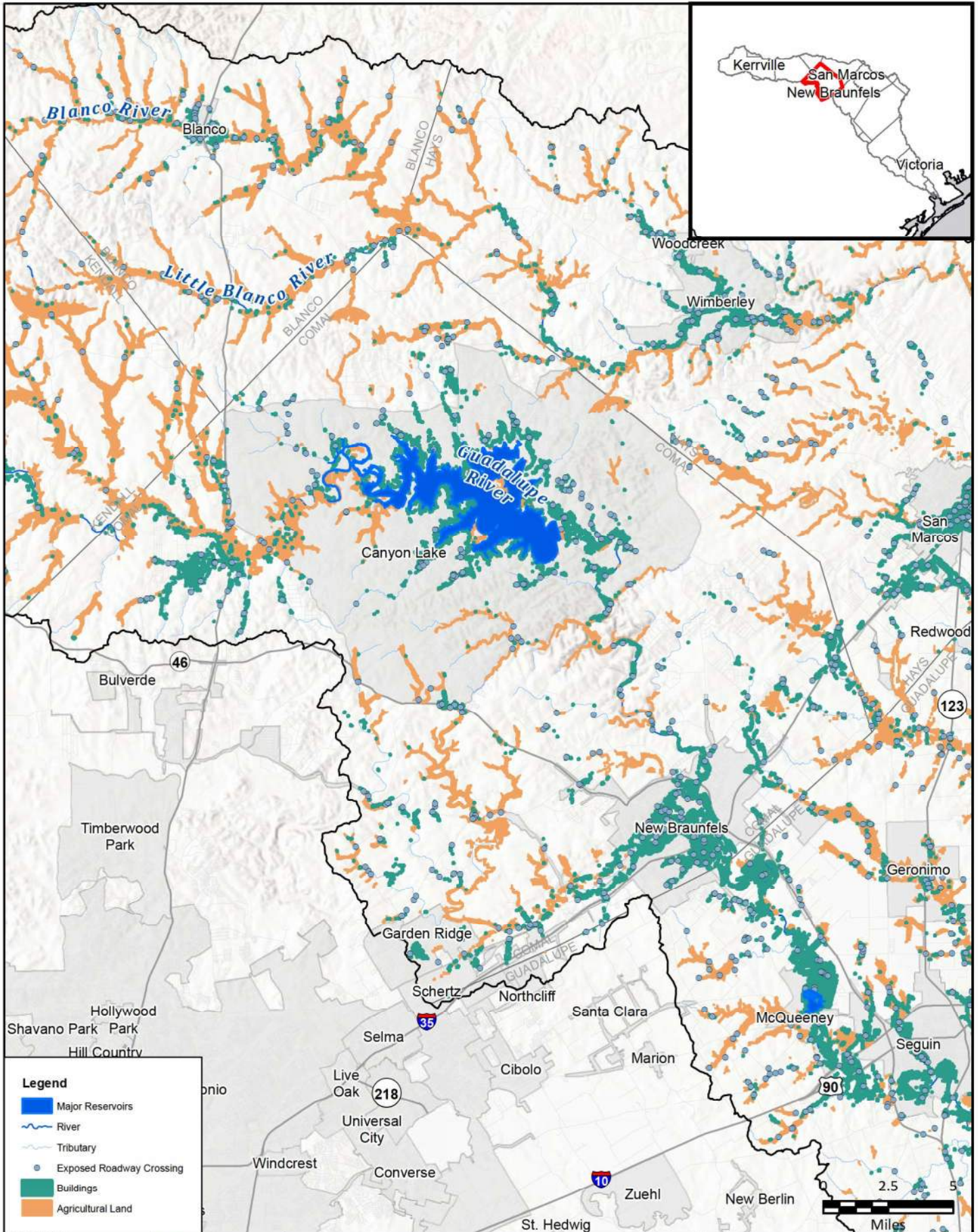
REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

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



**FIGURE**  
3 of 14

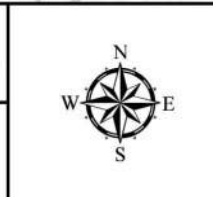


FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFoodExpMapbook
PREPARED BY	02405

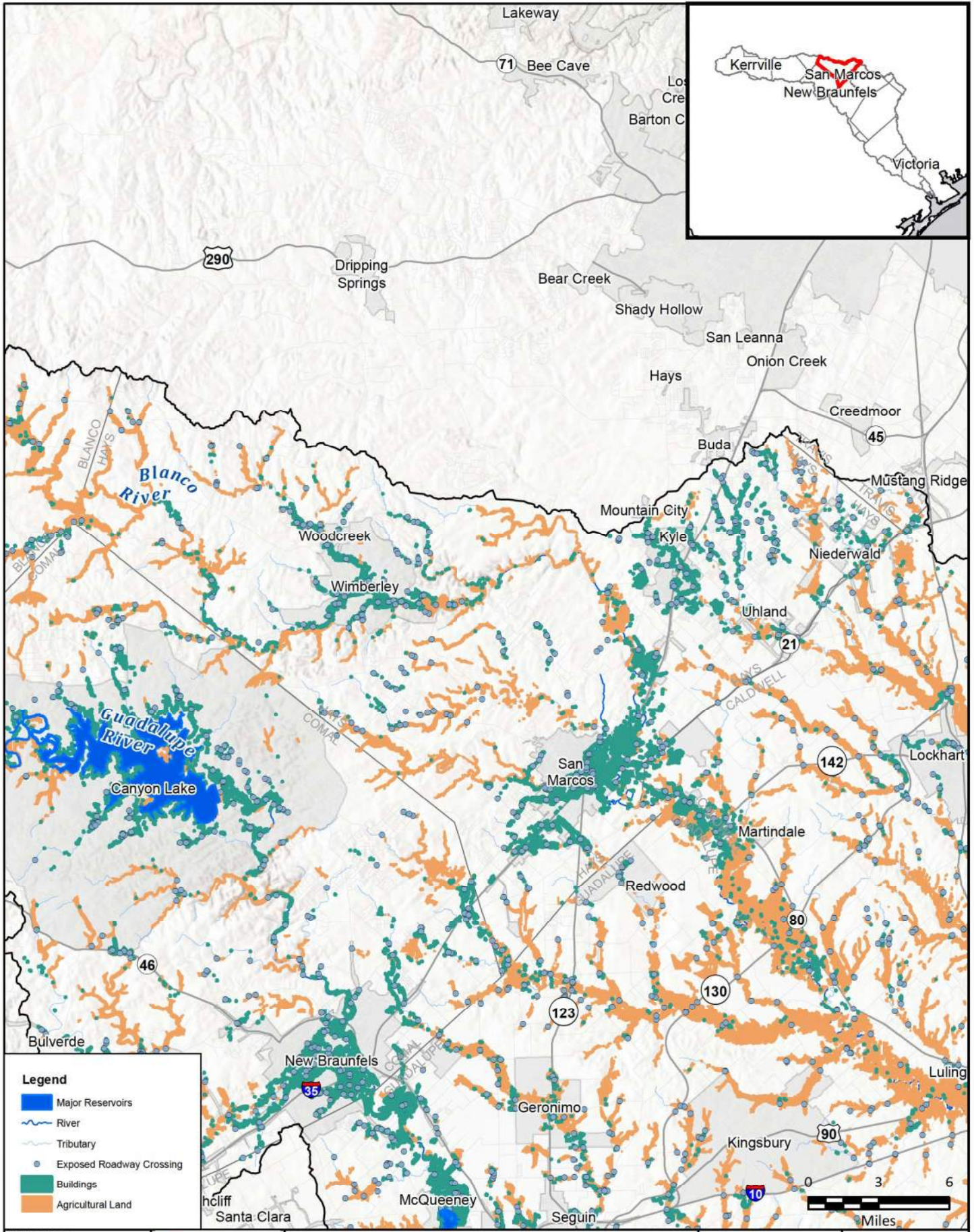
**REGION 11 GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

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



**FIGURE**  
4 of 14



**Legend**

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

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
PREPARED BY	02405

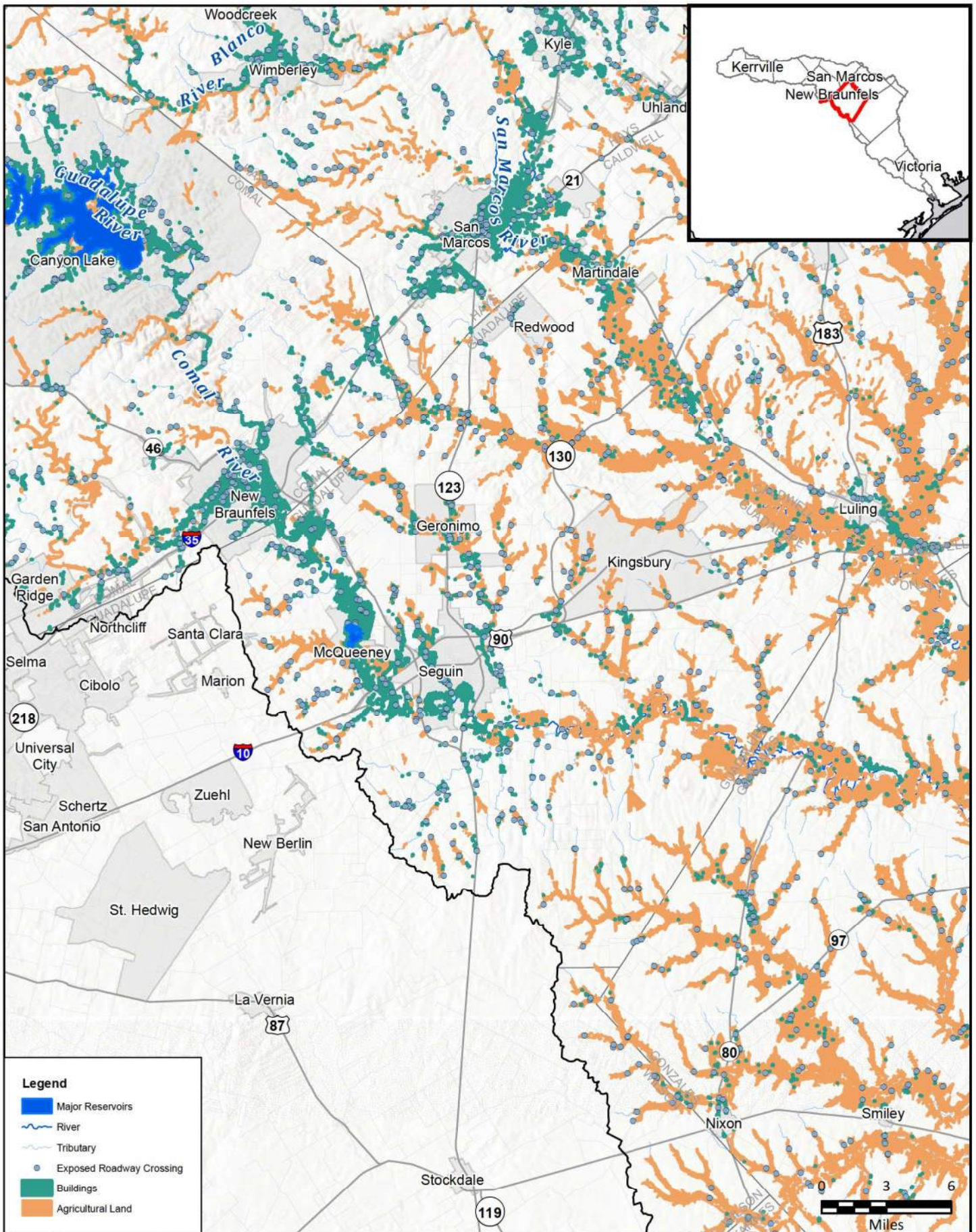
REGION  
**GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

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



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

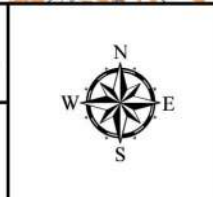


FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
PREPARED BY	02405

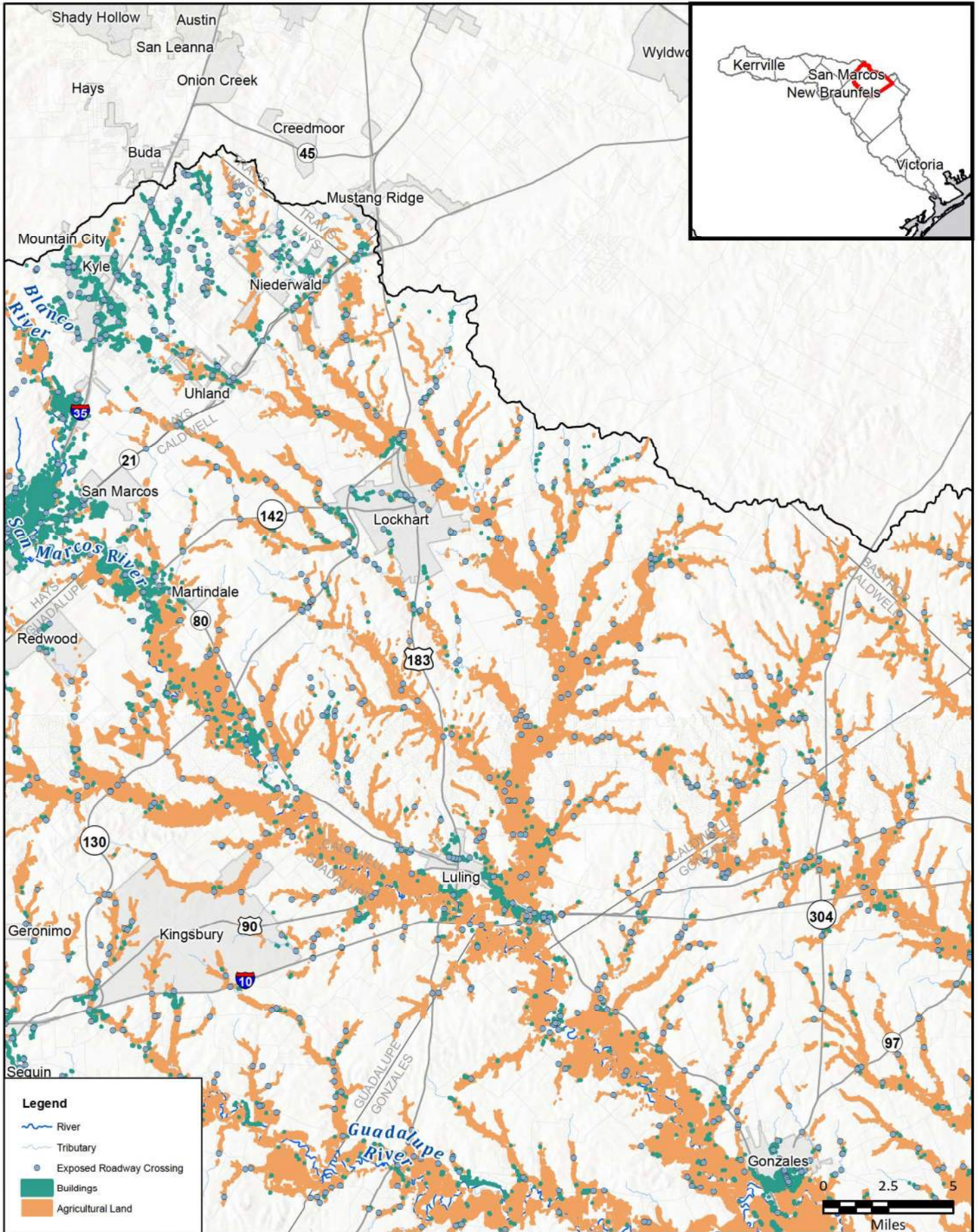
REGION  
**GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

Region 11: Guadalupe  
**Map 11 - Future Condition Flood Exposure**  
**Guadalupe County**



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

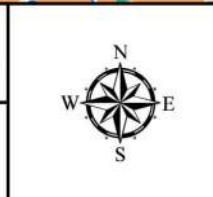


FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
PREPARED BY	02405

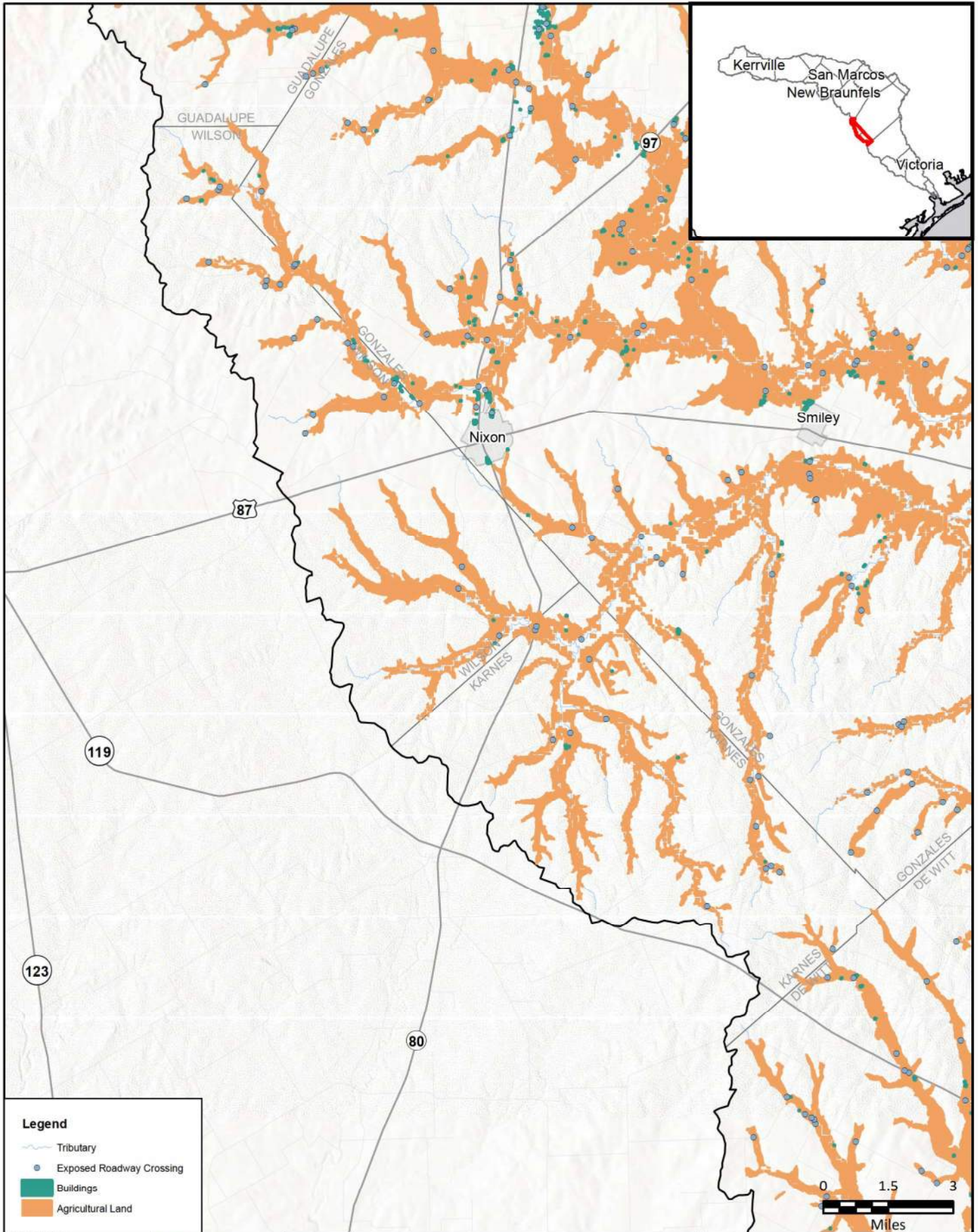
REGION 11  
**GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

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



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



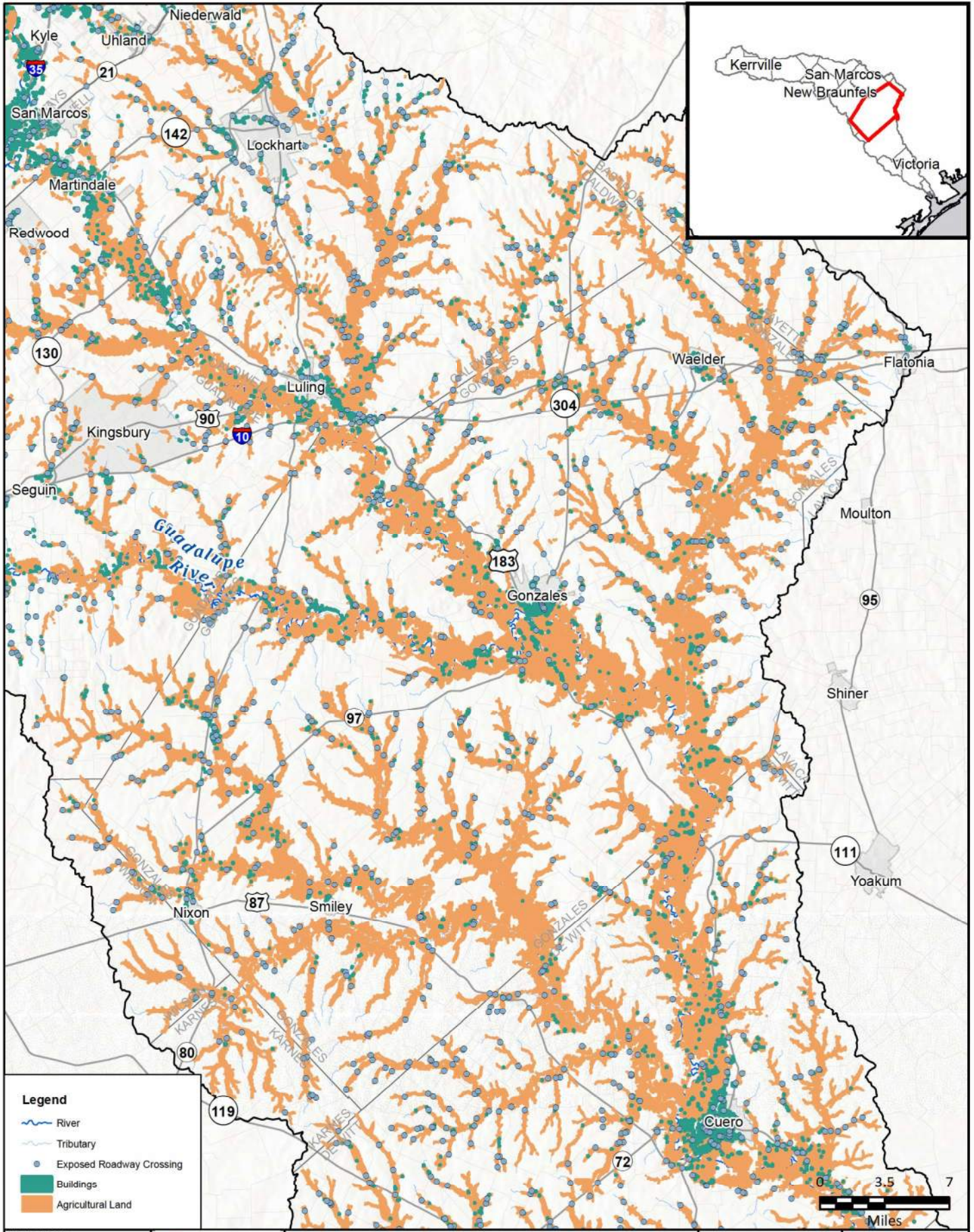
FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
PREPARED BY	02405

**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 11 - Future Condition Flood Exposure**  
**Wilson & Karnes Counties**



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



**Legend**

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

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
PREPARED BY	02405

**REGION 11 GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

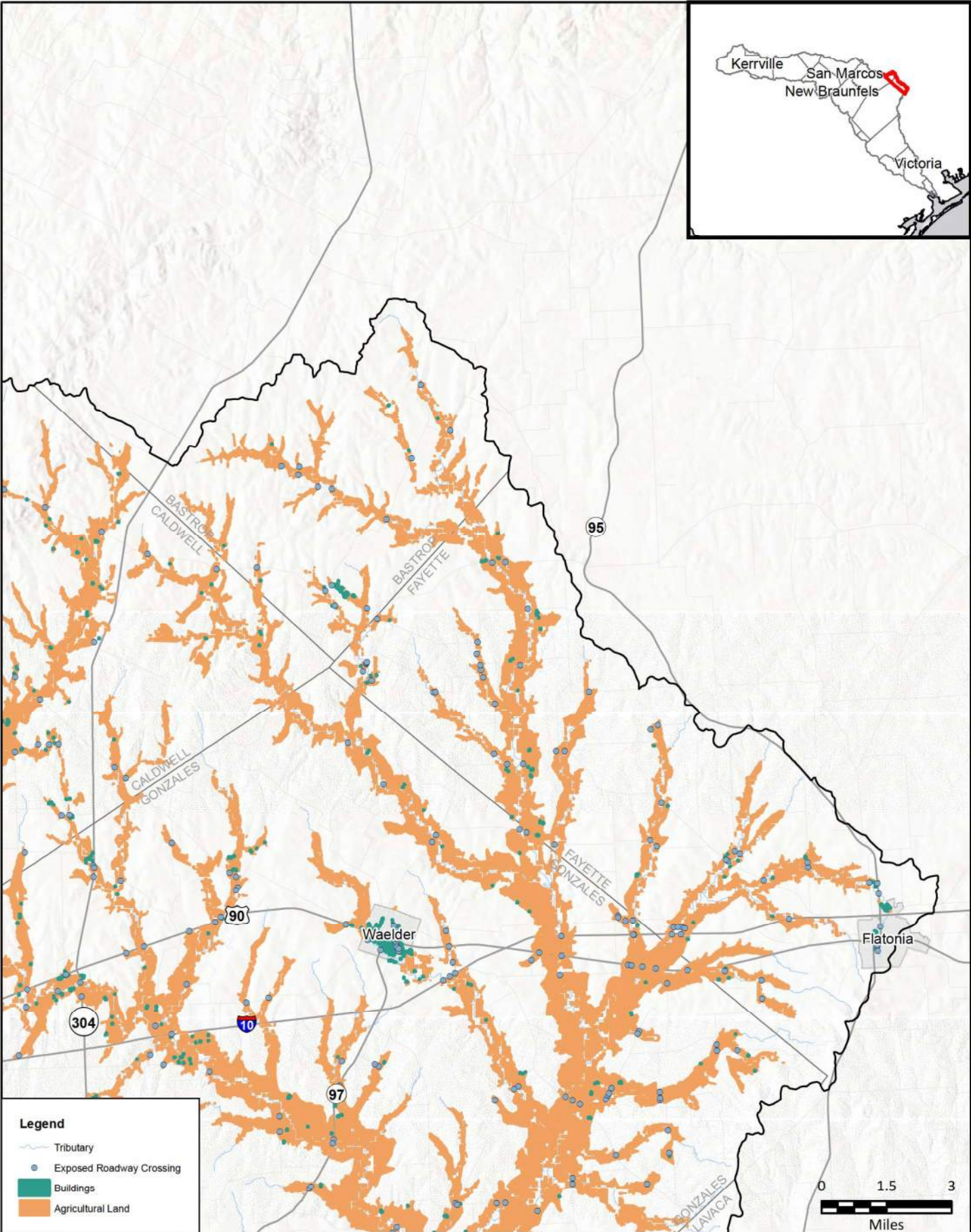
**FRESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

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



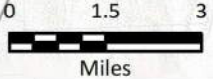
**FIGURE**  
**9 of 14**





**Legend**

- Tributary
- Exposed Roadway Crossing
- Buildings
- Agricultural Land

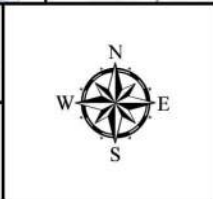


FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
PREPARED BY	02405

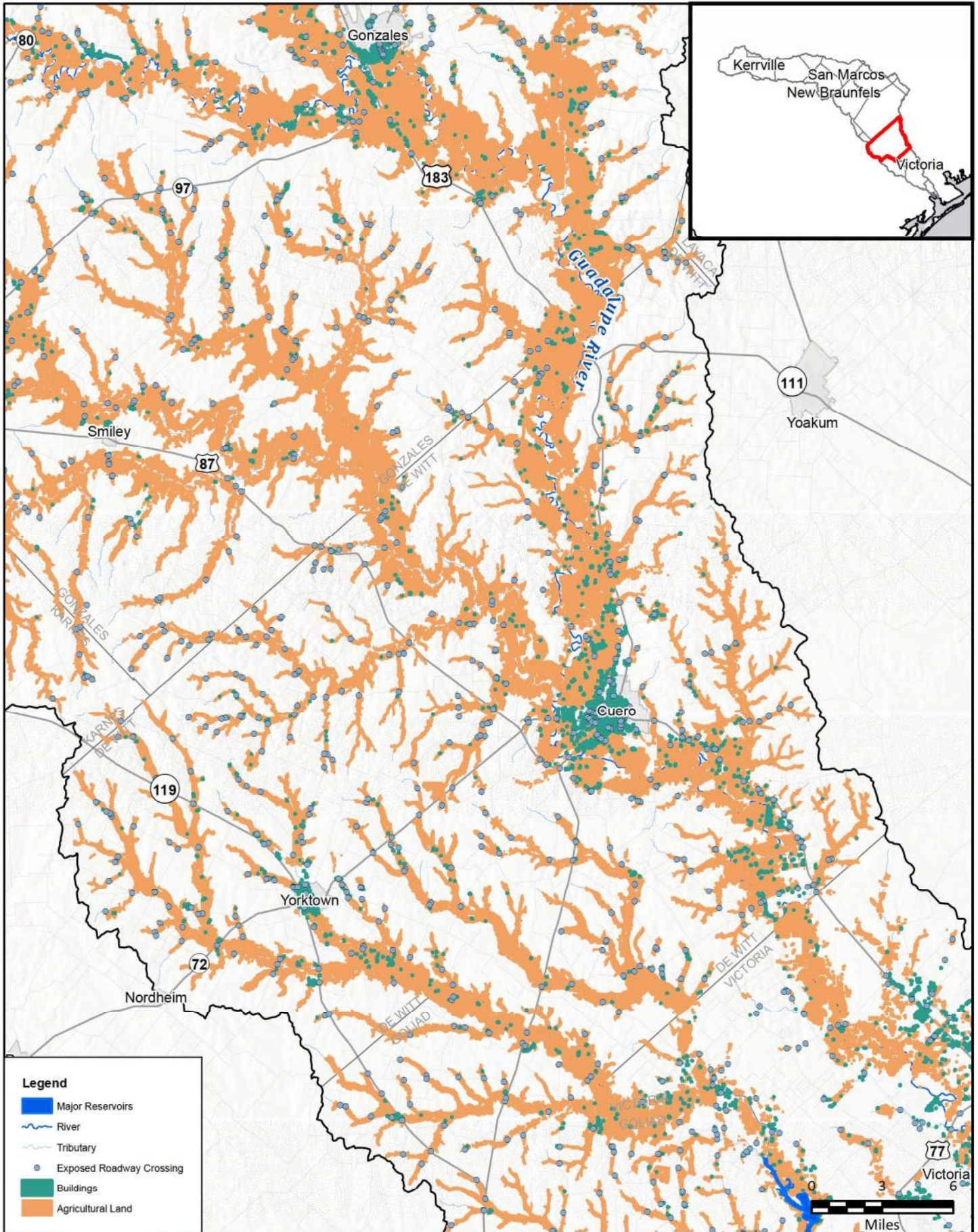
**REGION GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

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



**FIGURE**  
10 of 14



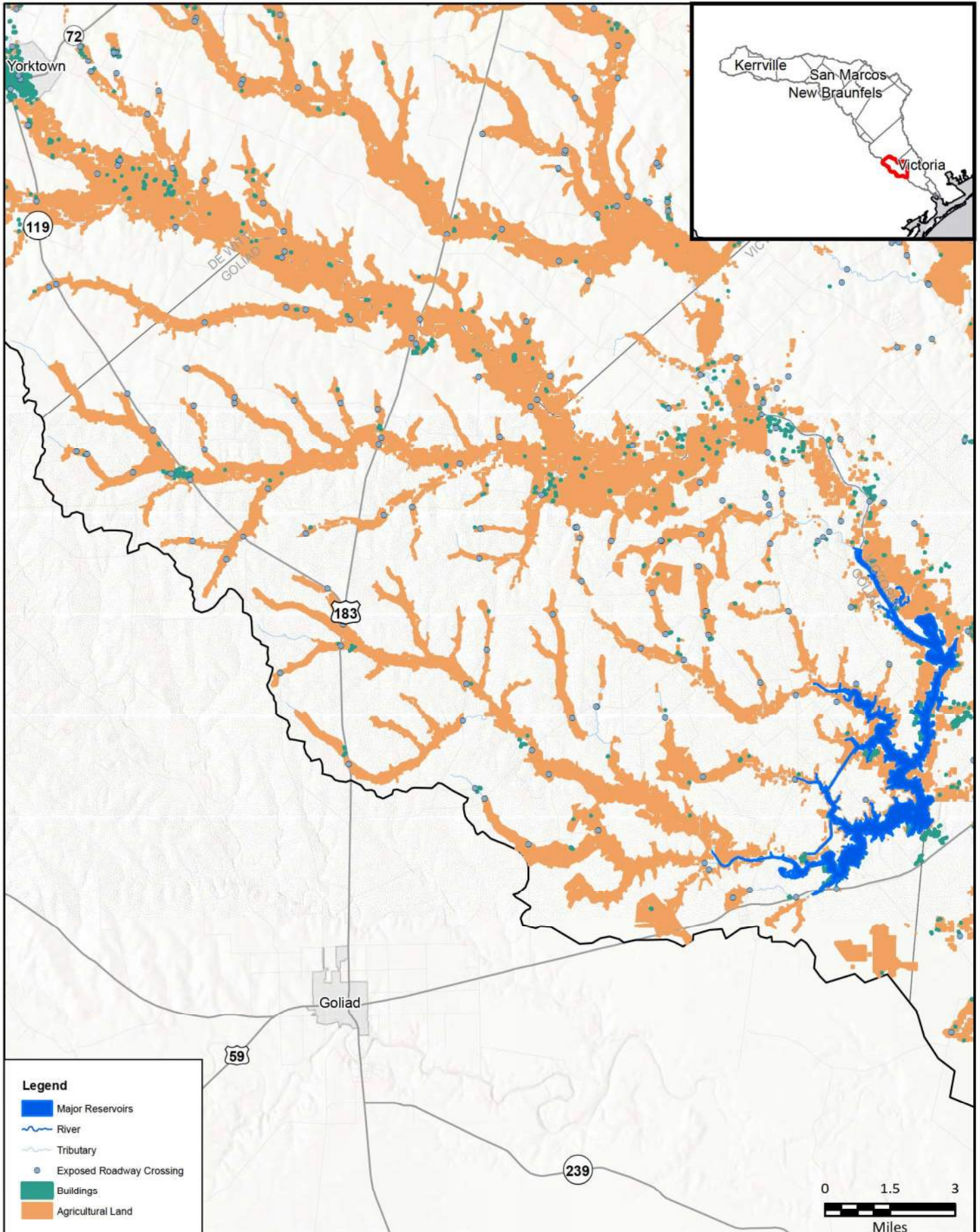
FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
PREPARED BY	02405

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

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



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



**Legend**

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

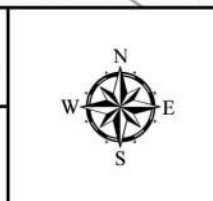


FN PROJECT NO.	GBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
PREPARED BY	02405

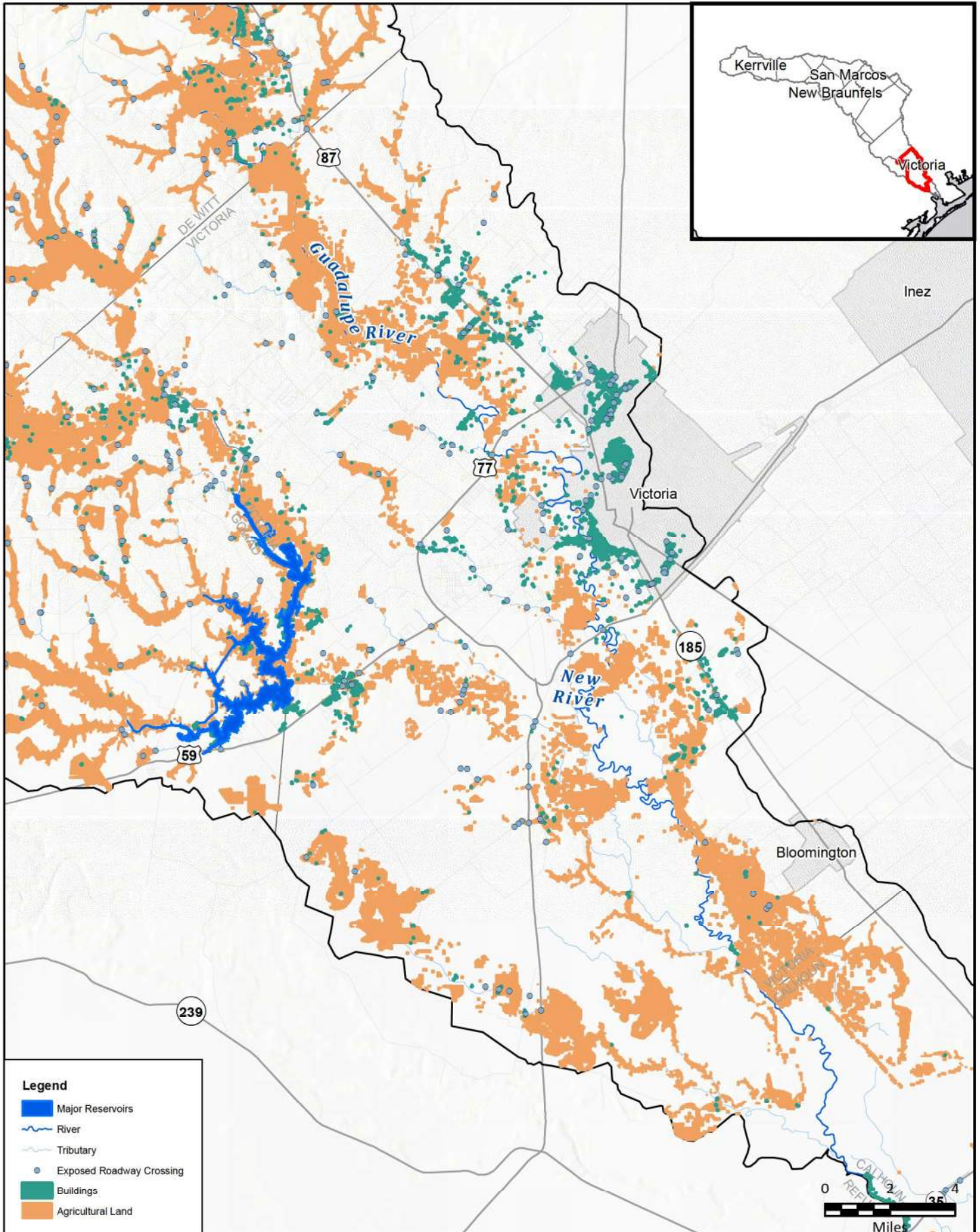
REGION  
**GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

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



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



**Legend**

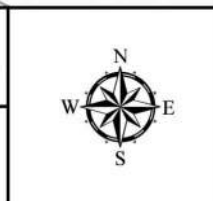
- Major Reservoirs
- River
- Tributary
- Exposed Roadway Crossing
- Buildings
- Agricultural Land

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
PREPARED BY	02405

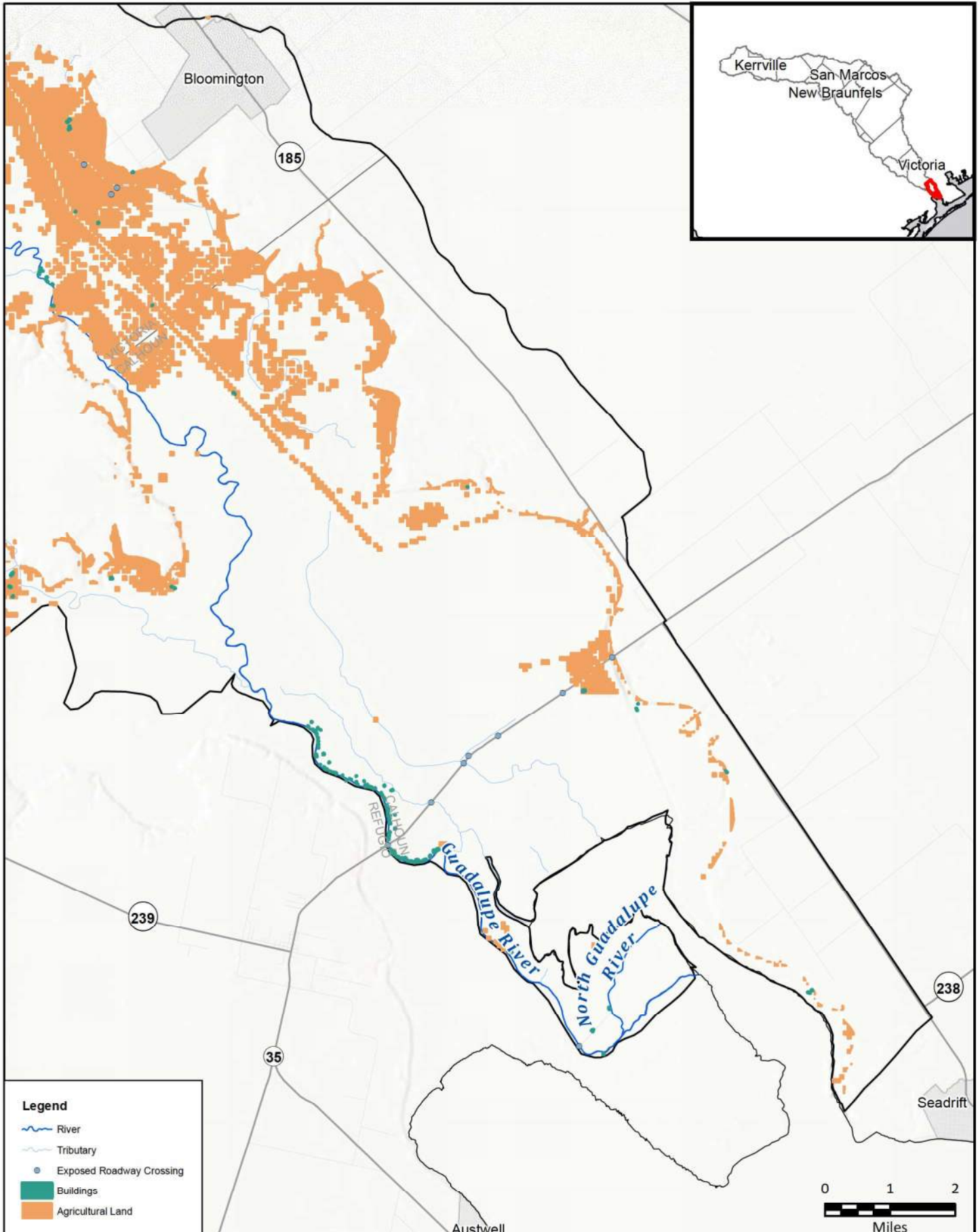
REGION  
**GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**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 11 - Future Condition Flood Exposure**  
**Victoria County**

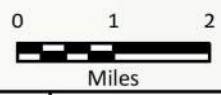


**FIGURE**  
**13 of 14**



**Legend**

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



FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
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 11 - Future Condition Flood Exposure

**Calhoun County**

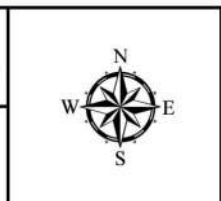
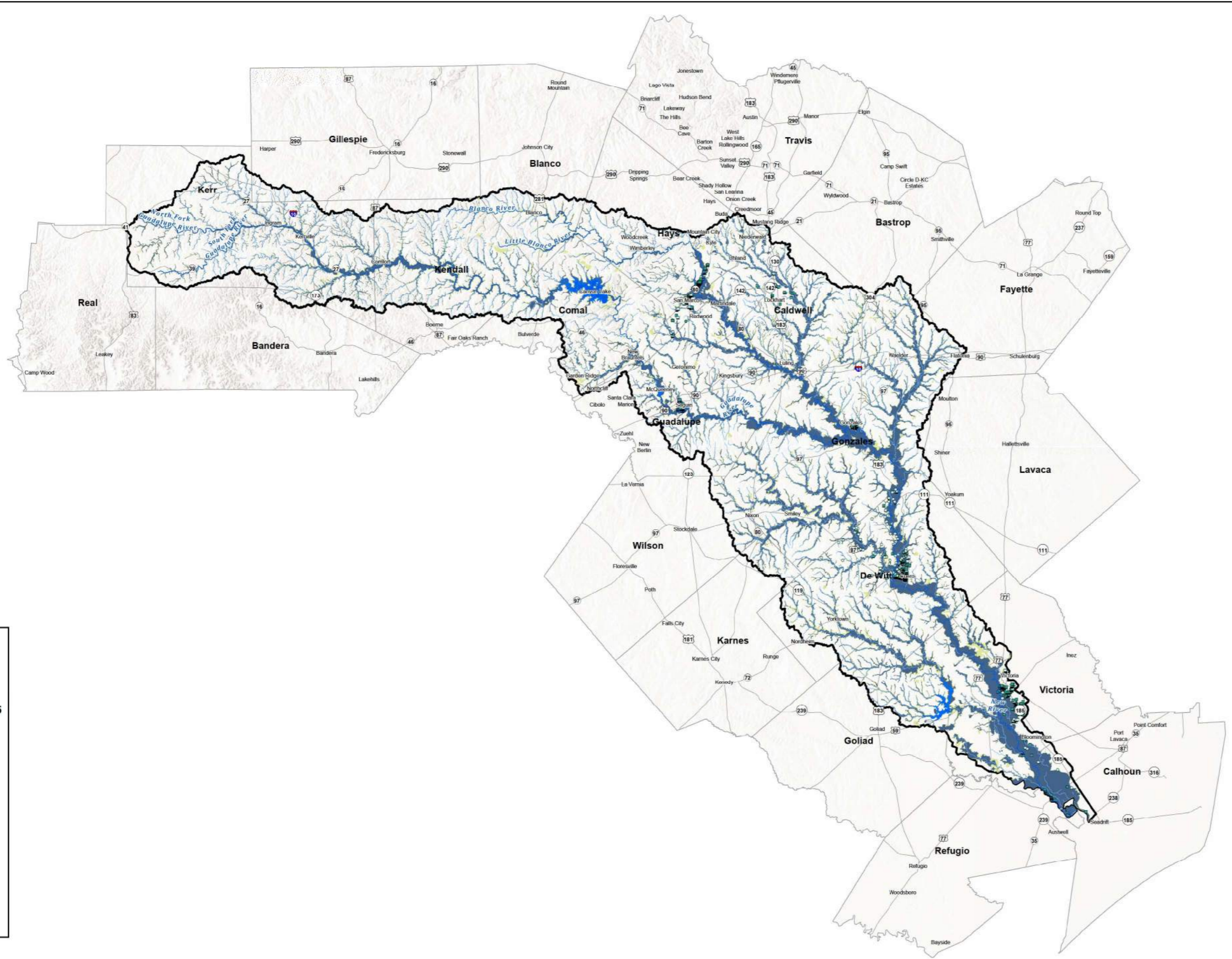


FIGURE  
14 of 14

**Map 12: Future Condition Flood Vulnerability including Critical Infrastructure**



**Legend**

- Major Reservoirs
- River
- Tributary

**Exposed Features with SVI > 0.75**

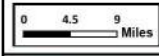
- Agricultural Bldg
- Commercial Bldg
- △ Industrial Bldg
- ◇ Public Bldg
- ★ Residential Bldg
- ☆ Vacant or Unknown Bldg

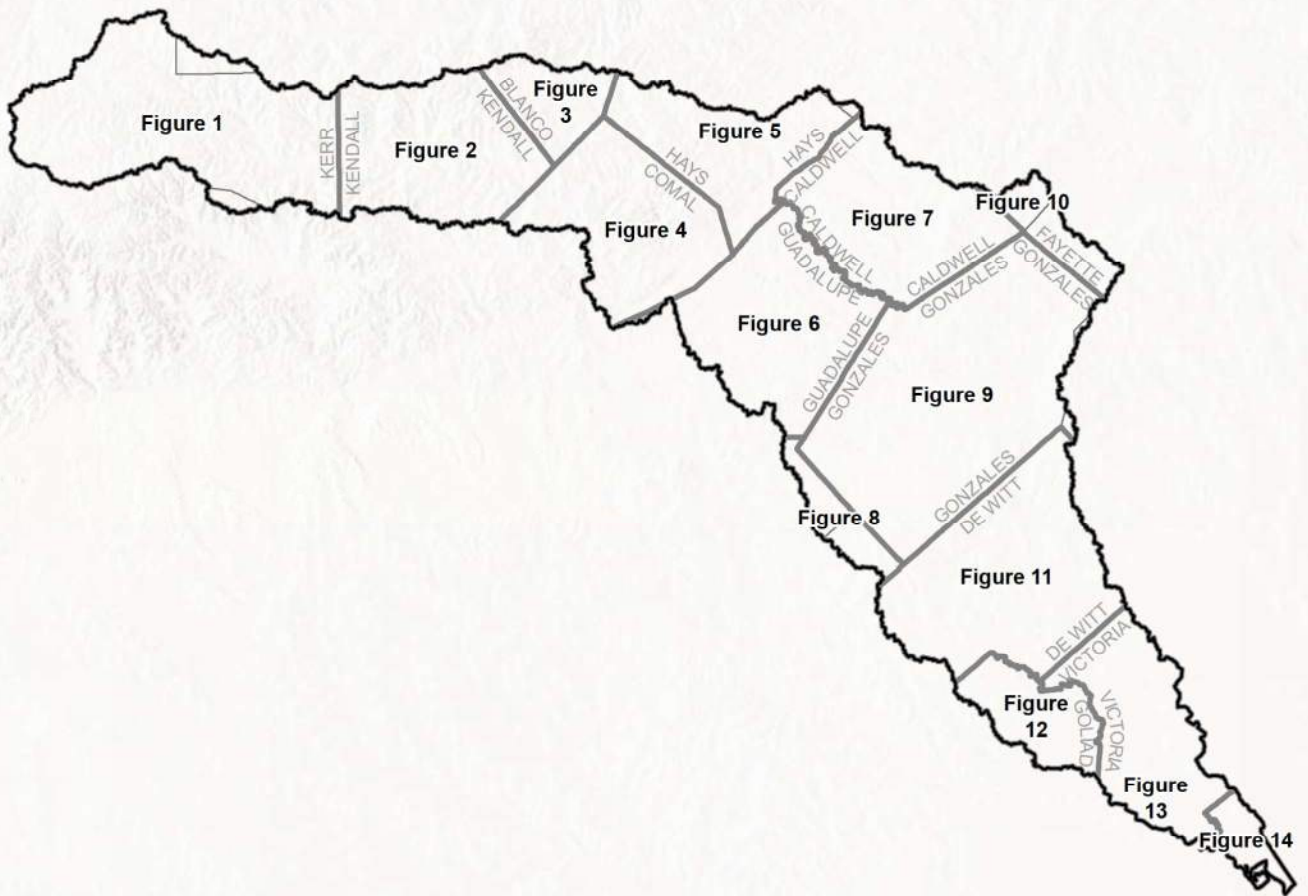
**0.2 Flood Hazard**

- Coastal
- Riverine

**1.0 Flood Hazard**

- Coastal
- Riverine
- Flood Planning Region





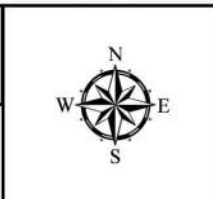
FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/19/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 12_FutureVulnerability_Index
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

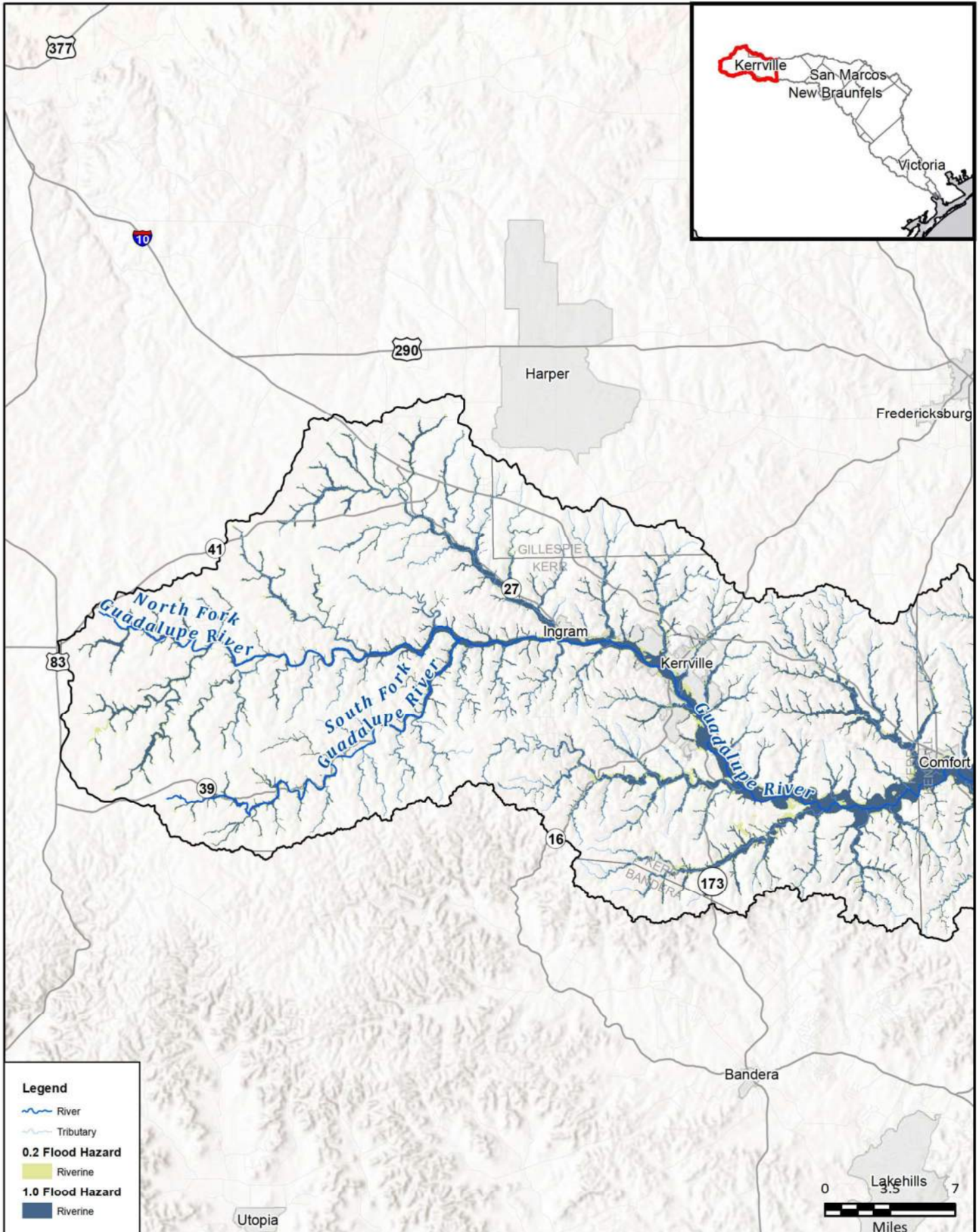
Region 11: Guadalupe  
Map 12 Index - Future Vulnerability

**Index Map**



**FIGURE  
Index**





**Legend**

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



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

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FREASE & NICHOLS**

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

Region 11: Guadalupe  
Map 12 - Future Vulnerability

**Kerr County**

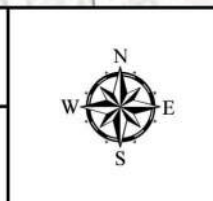
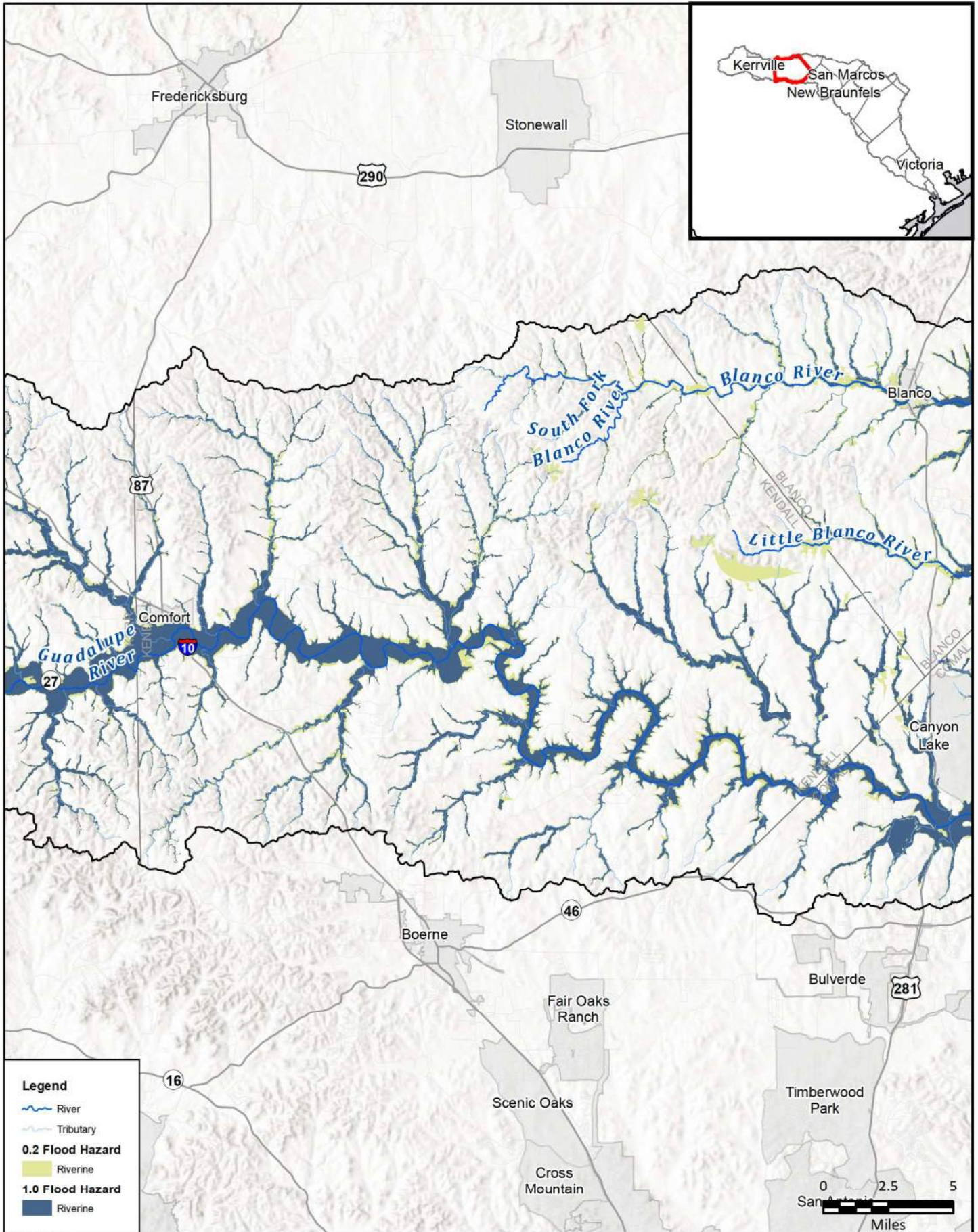


FIGURE  
1 of 14



**Legend**

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

FN PROJECT NO.	OB21362
DATE CREATED	Date: 7/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 12_FutureVulnerabilityMB
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 12 - Future Vulnerability

## Kendall County

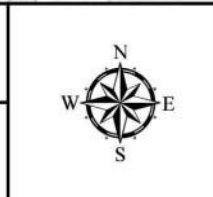
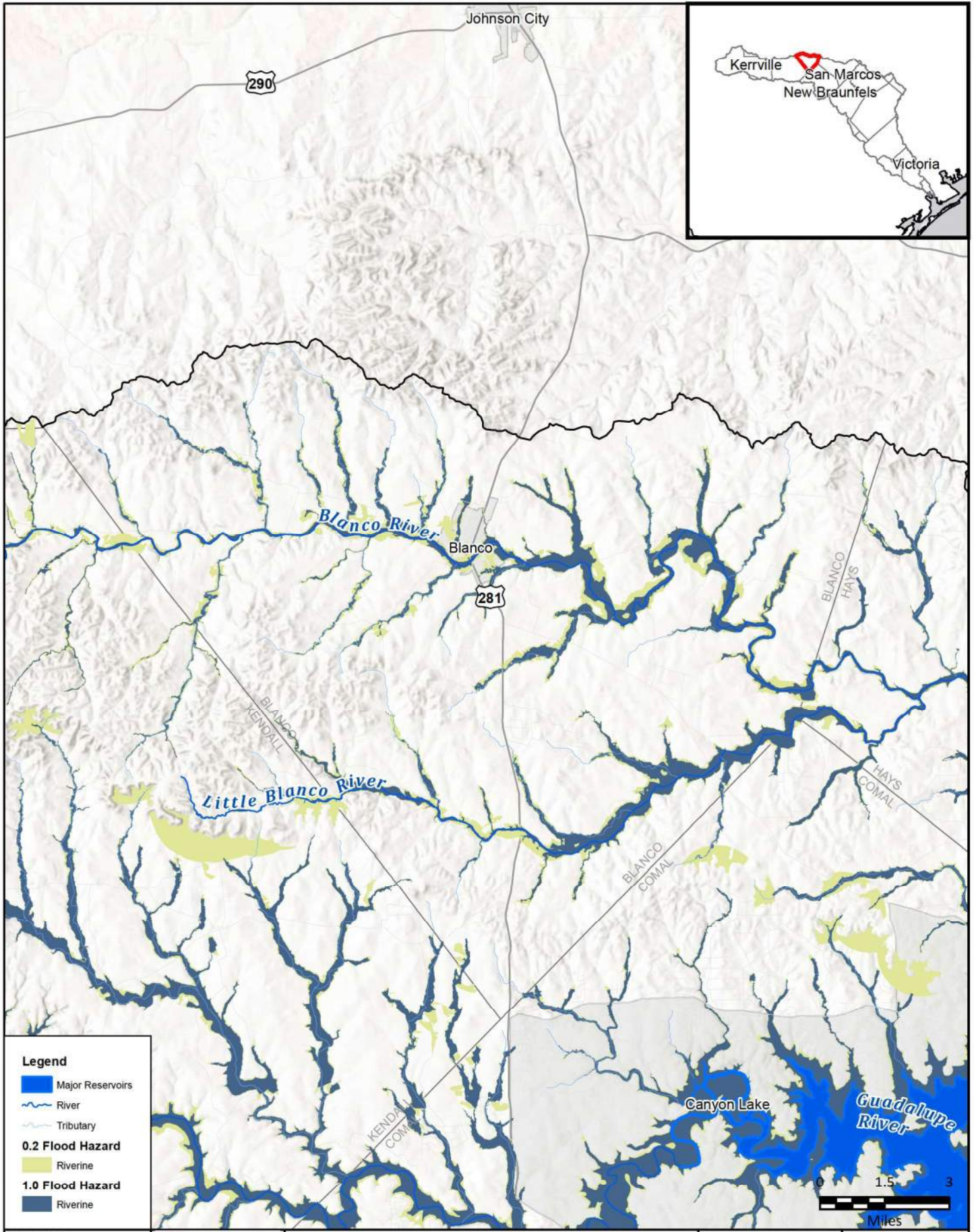


FIGURE  
2 of 14



**Legend**

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

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 12_FutureVulnerabilityMB
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

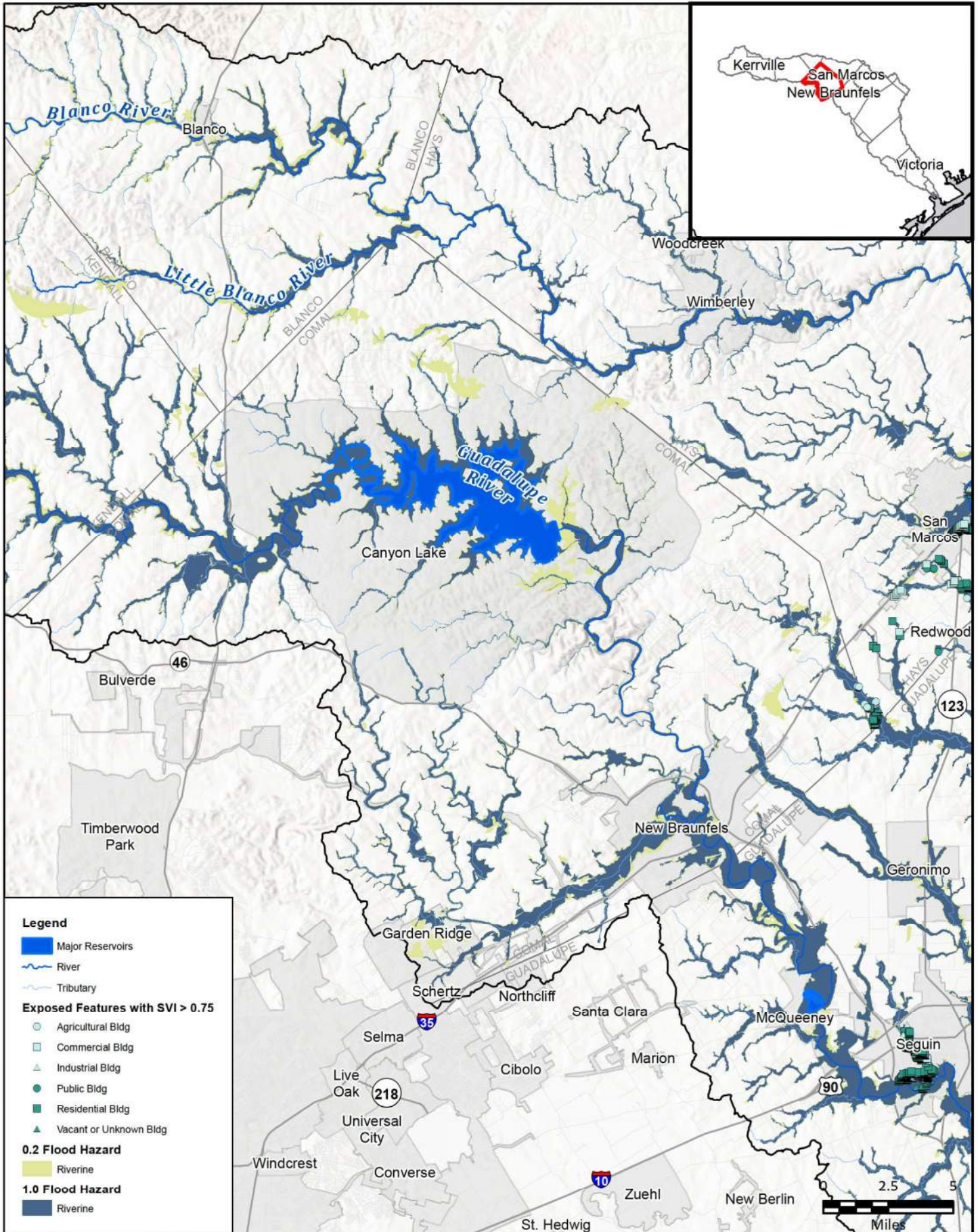
**FREESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 12 - Future Vulnerability

**Blanco County**



FIGURE  
3 of 14



**Legend**

- Major Reservoirs
- River
- Tributary

**Exposed Features with SVI > 0.75**

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

**0.2 Flood Hazard**

- Riverine

**1.0 Flood Hazard**

- Riverine

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 12_FutureVulnerabilityMB
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING 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 12 - Future Vulnerability  
**Comal County**

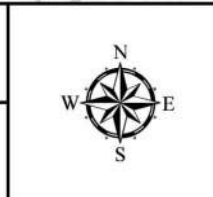
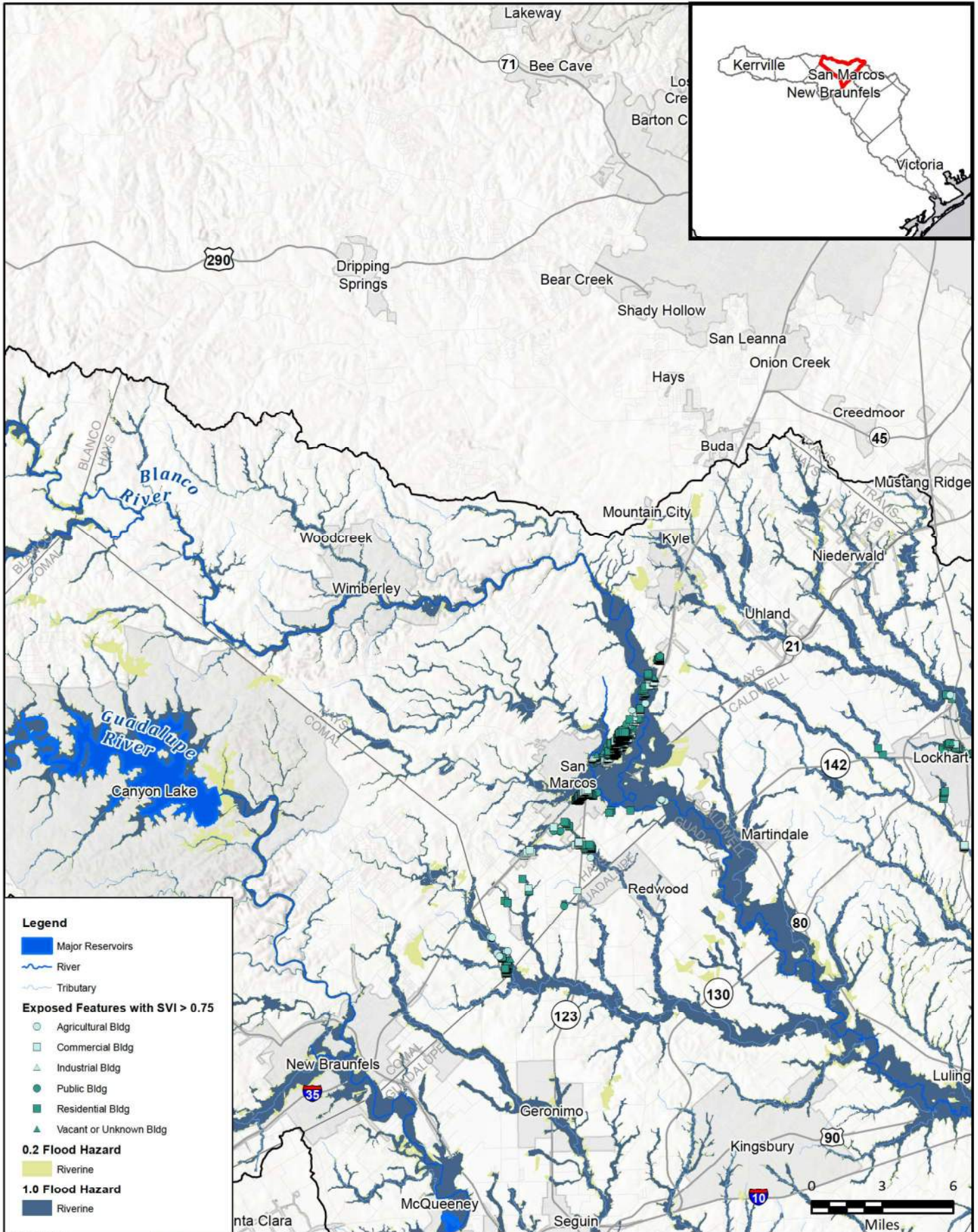


FIGURE  
4 of 14



FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 12_FutureVulnerabilityMB
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 12 - Future Vulnerability  
**Hays County**

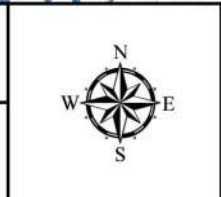
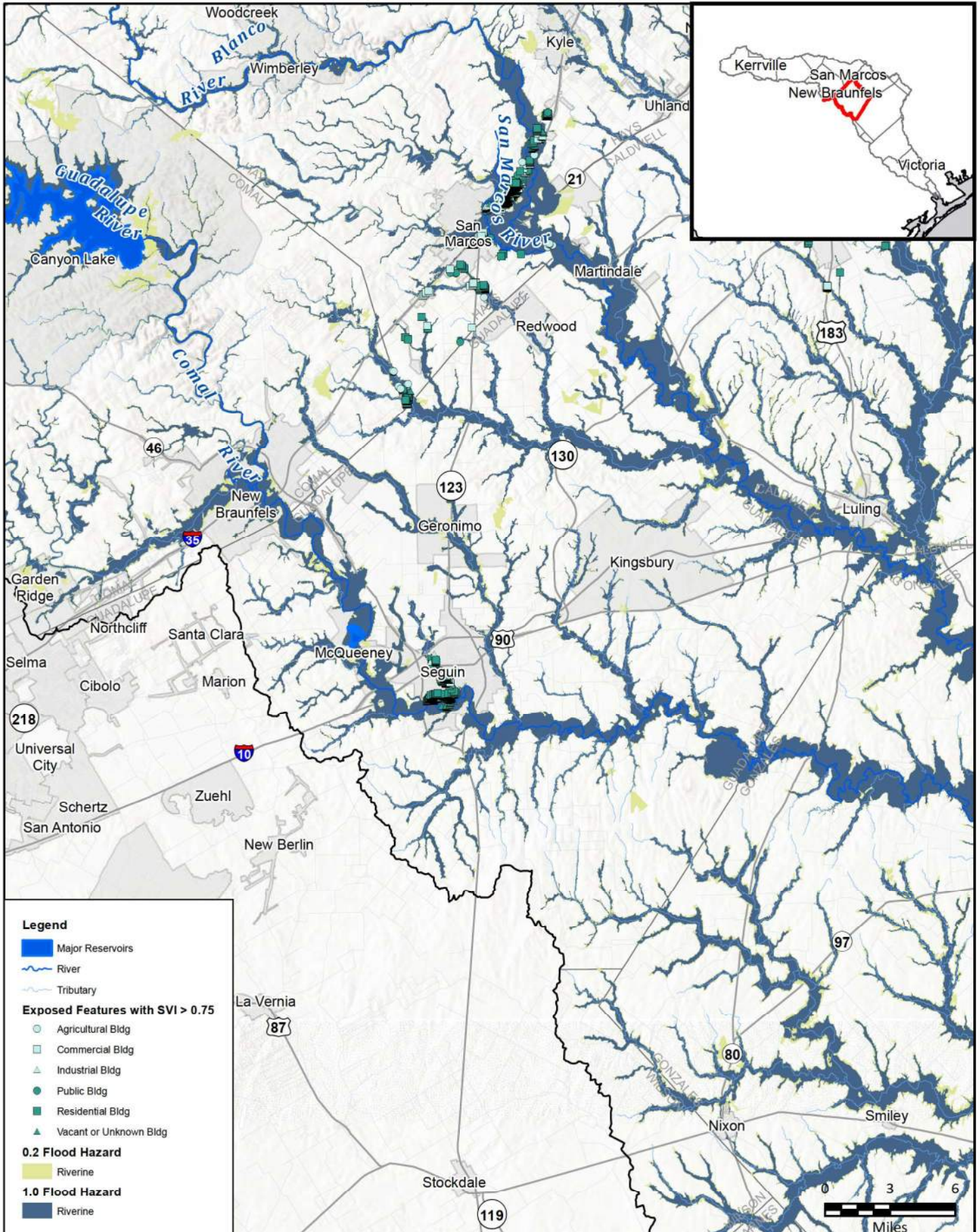


FIGURE  
5 of 14



**Legend**

- Major Reservoirs
- River
- Tributary

**Exposed Features with SVI > 0.75**

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

**0.2 Flood Hazard**

- Riverine

**1.0 Flood Hazard**

- Riverine

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 12_FutureVulnerabilityMB
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 12 - Future Vulnerability

## Guadalupe County

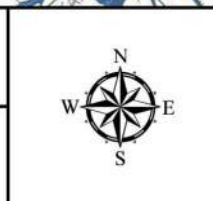
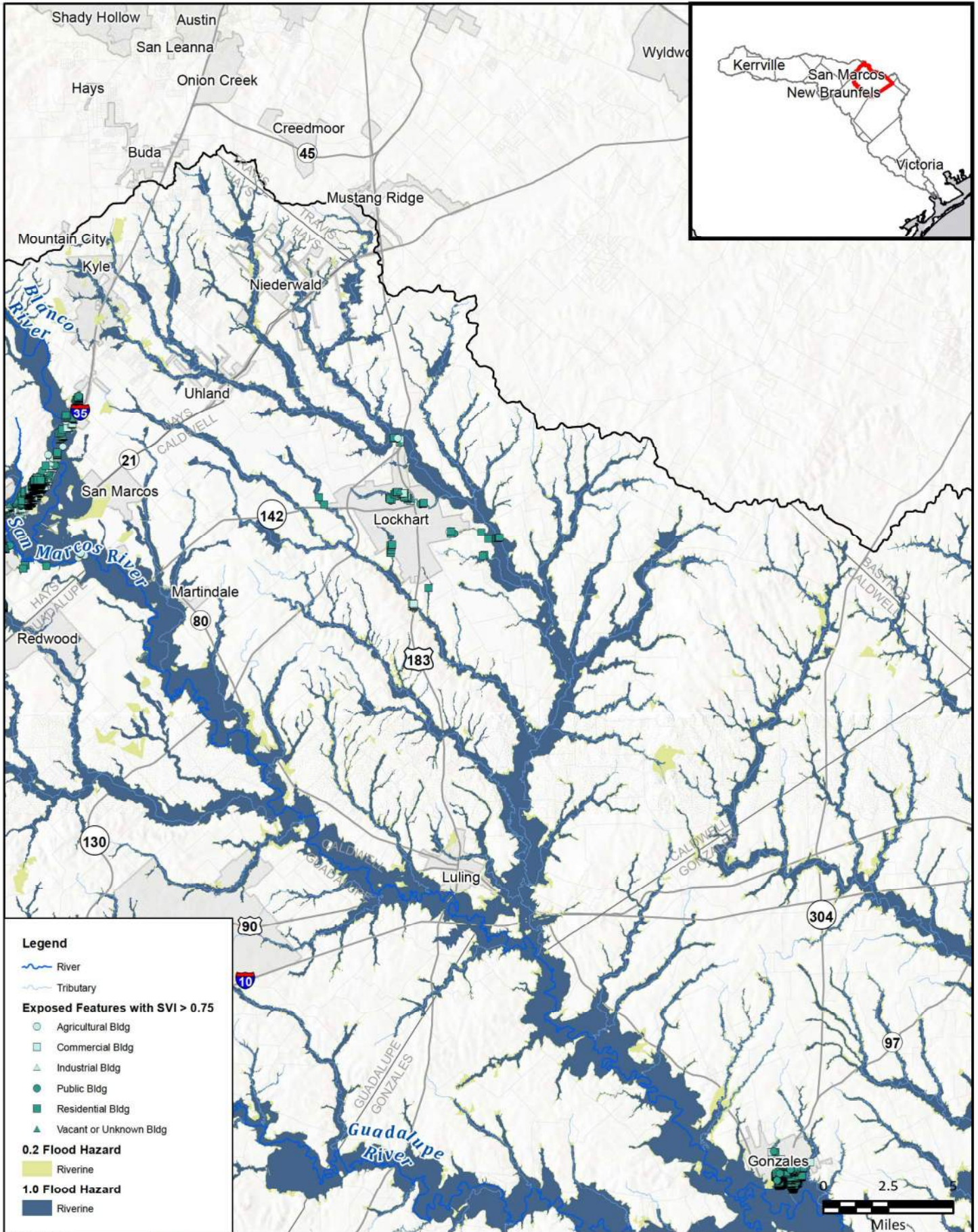


FIGURE  
6 of 14



FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 12_FutureVulnerabilityMB
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FRESE AND NICHOLS**

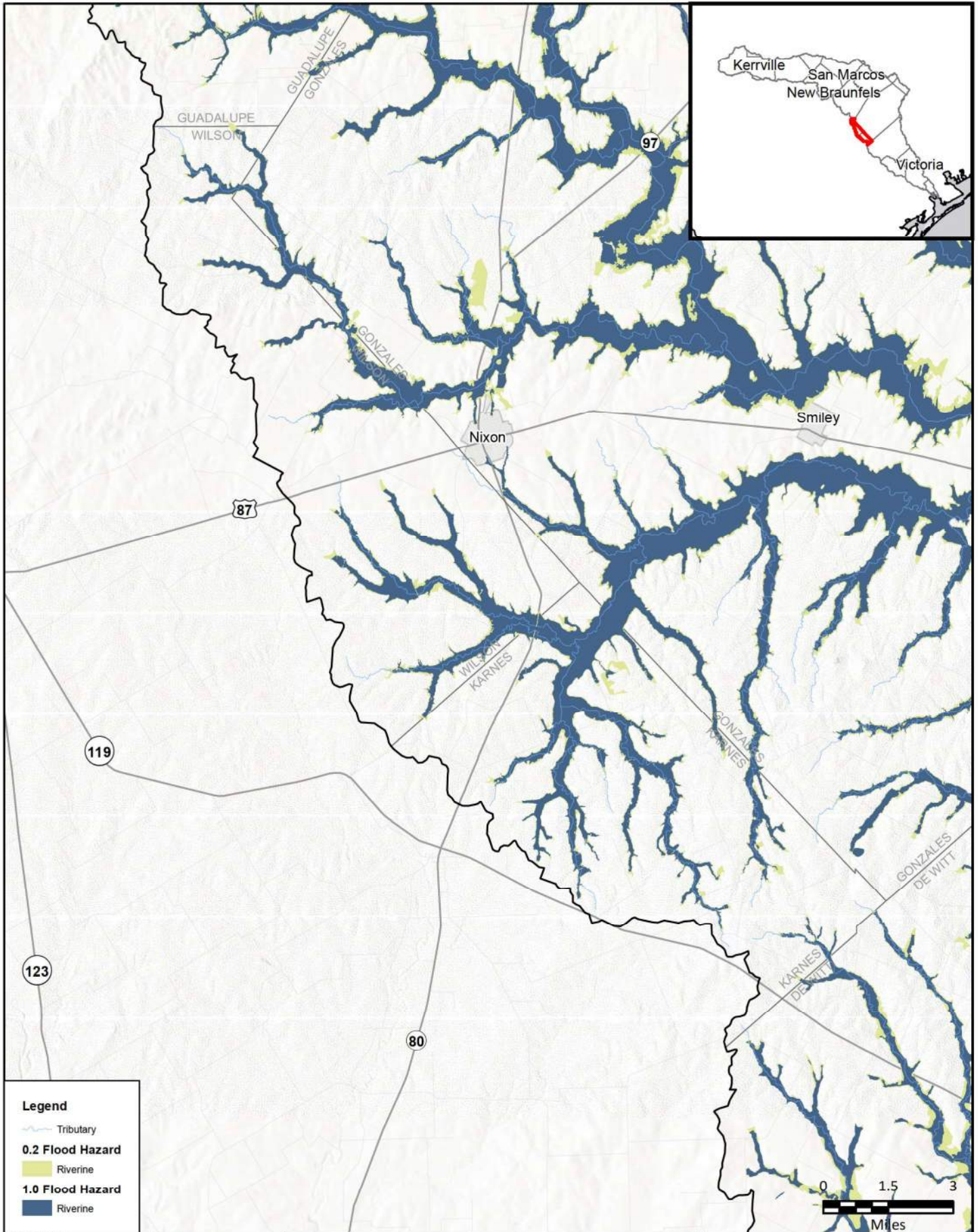
**FRESE AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 12 - Future Vulnerability

# Caldwell County



FIGURE  
7 of 14



**Legend**

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

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 12_FutureVulnerabilityMB
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

**FREES & NICHOLS**

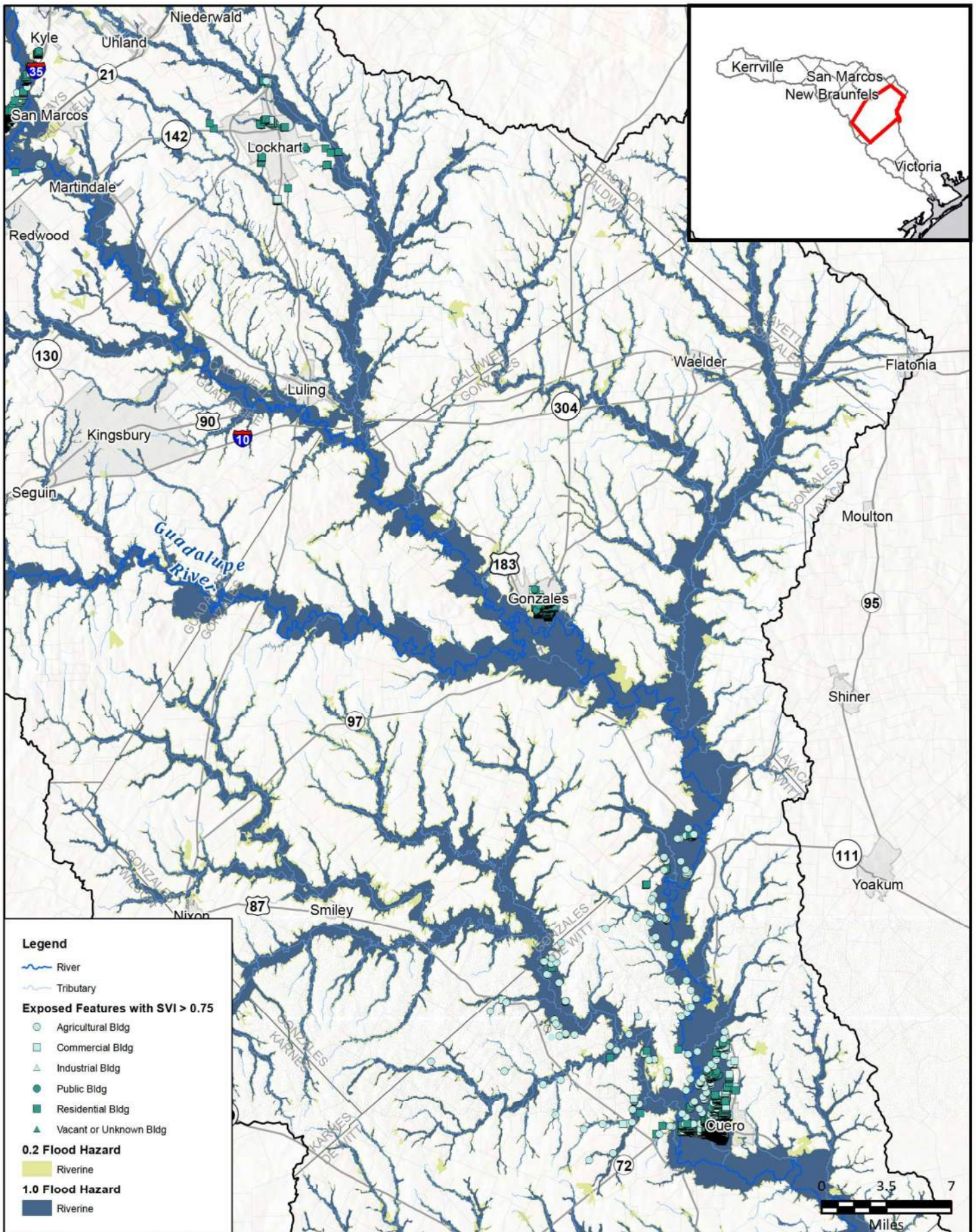
**FREES AND NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
Map 12 - Future Vulnerability  
**Wilson & Karnes Counties**



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





**Legend**

- River
- Tributary

**Exposed Features with SVI > 0.75**

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

**0.2 Flood Hazard**

- Riverine

**1.0 Flood Hazard**

- Riverine

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 12_FutureVulnerabilityMB
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

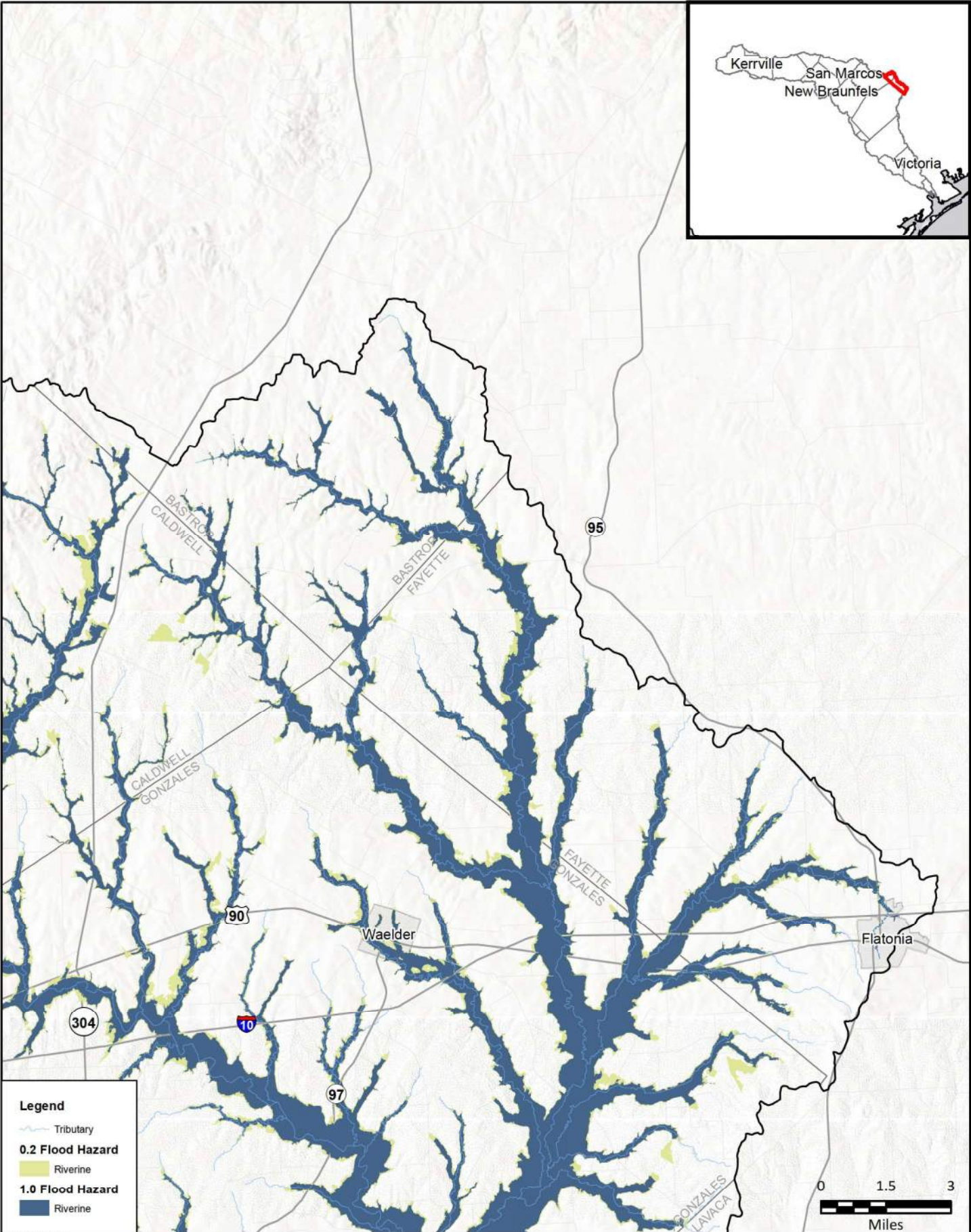
**FRESE AND NICHOLS**

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

Region 11: Guadalupe  
Map 12 - Future Vulnerability  
**Gonzales County**

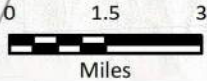


FIGURE  
9 of 14



**Legend**

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

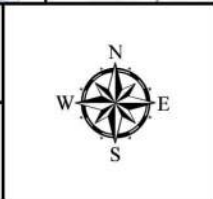


FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 12_FutureVulnerabilityMB
PREPARED BY	02405

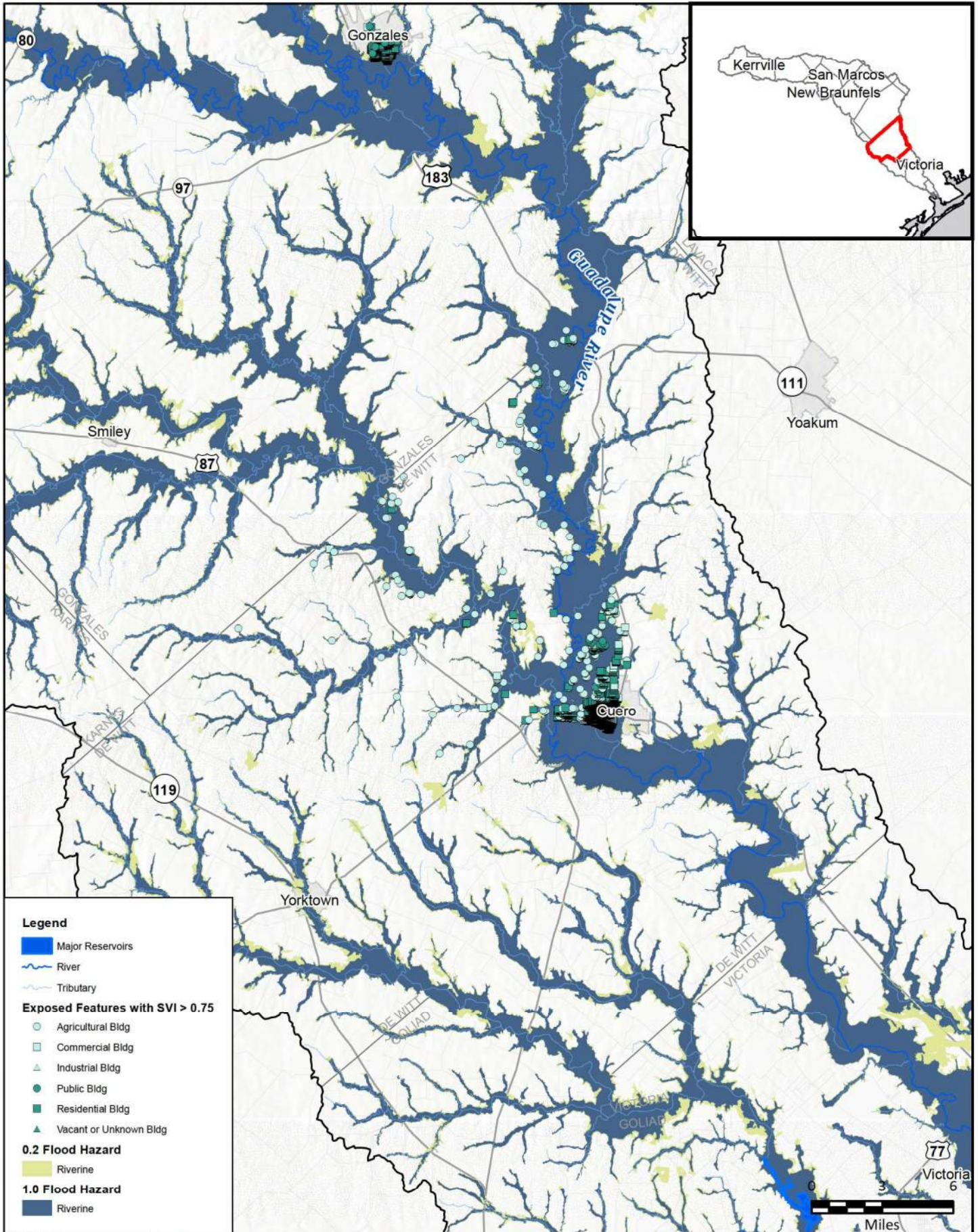
REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

Region 11: Guadalupe  
Map 12 - Future Vulnerability  
**Bastrop & Fayette Counties**



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



FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 12_FutureVulnerabilityMB
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING 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 12 - Future Vulnerability  
**De Witt County**

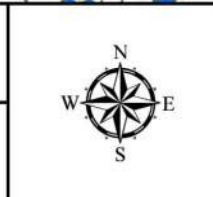
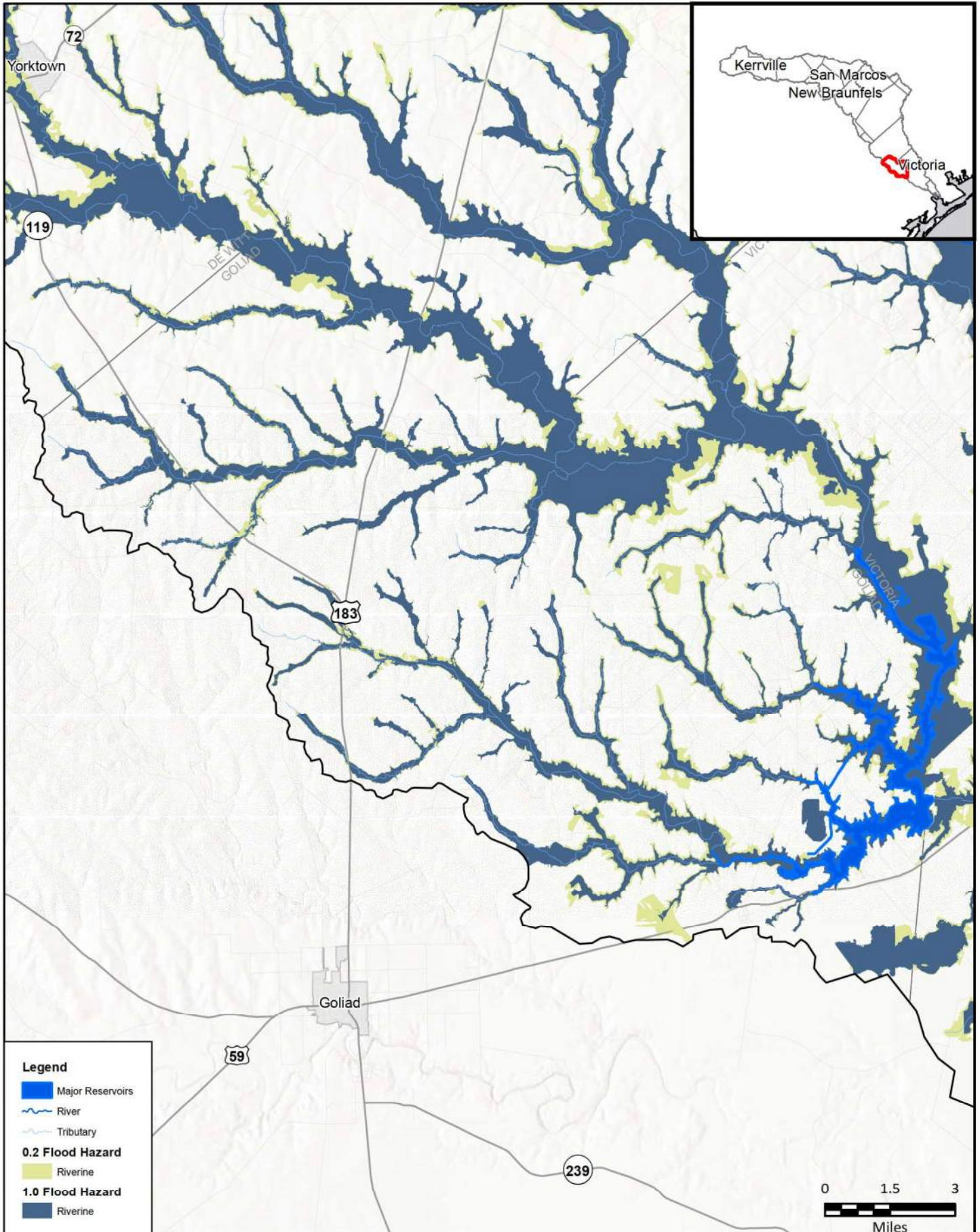


FIGURE  
11 of 14



**Legend**

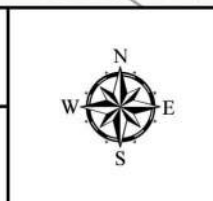
- Major Reservoirs
- River
- Tributary
- 0.2 Flood Hazard**
- Riverine
- 1.0 Flood Hazard**
- Riverine

FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 12_FutureVulnerabilityMB
PREPARED BY	02405

REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

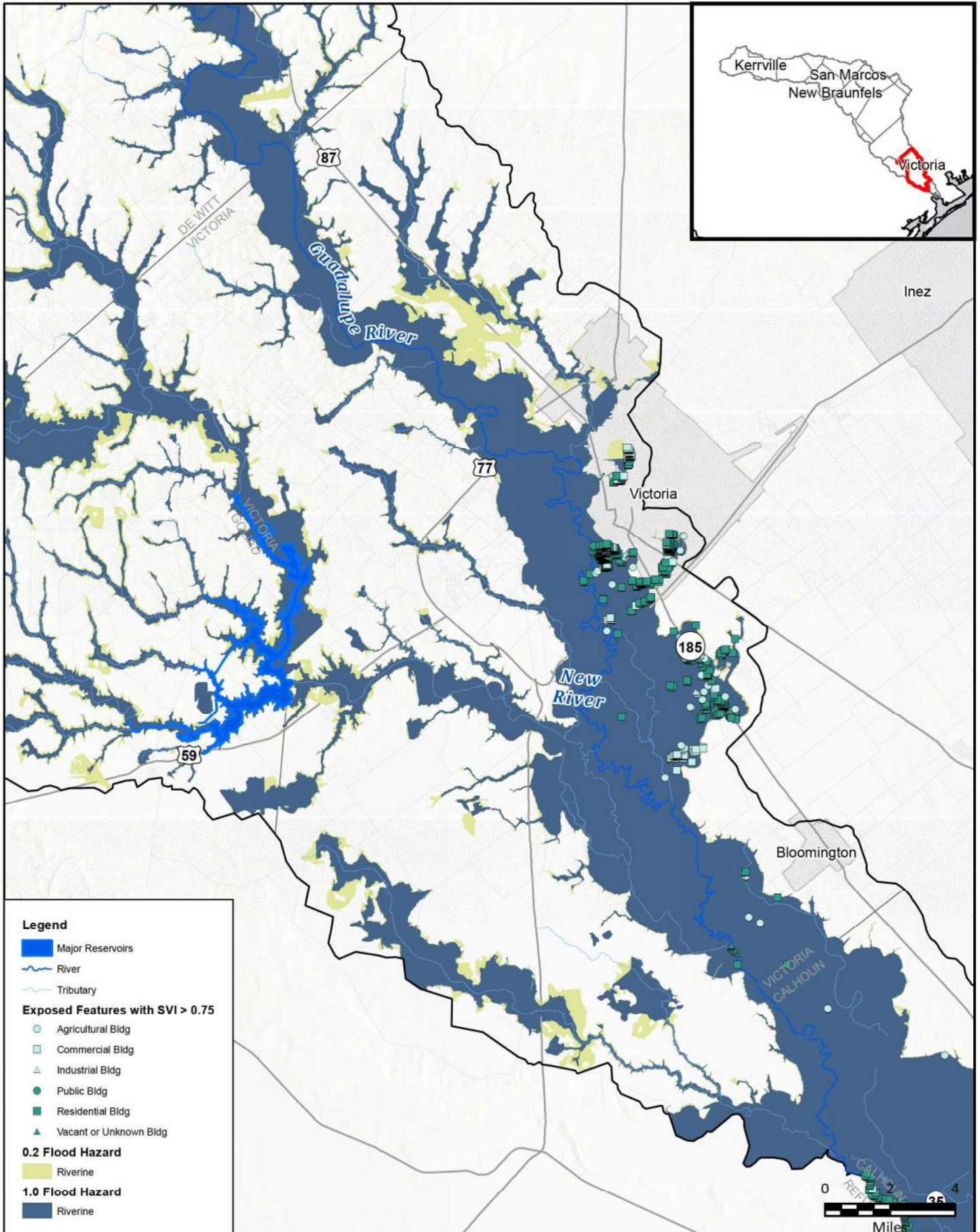
**FREESE & NICHOLS, INC.**  
10431 MORADO CIRCLE  
BUILDING 5, SUITE 300  
AUSTIN, TEXAS 78759  
OFFICE: (512) 617-3100

Region 11: Guadalupe  
**Map 12 - Future Vulnerability**  
**Goliad County**



0 1.5 3  
Miles

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



**Legend**

- Major Reservoirs
- River
- Tributary

**Exposed Features with SVI > 0.75**

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

**0.2 Flood Hazard**

- Riverine

**1.0 Flood Hazard**

- Riverine



FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 12_FutureVulnerabilityMB
PREPARED BY	02405

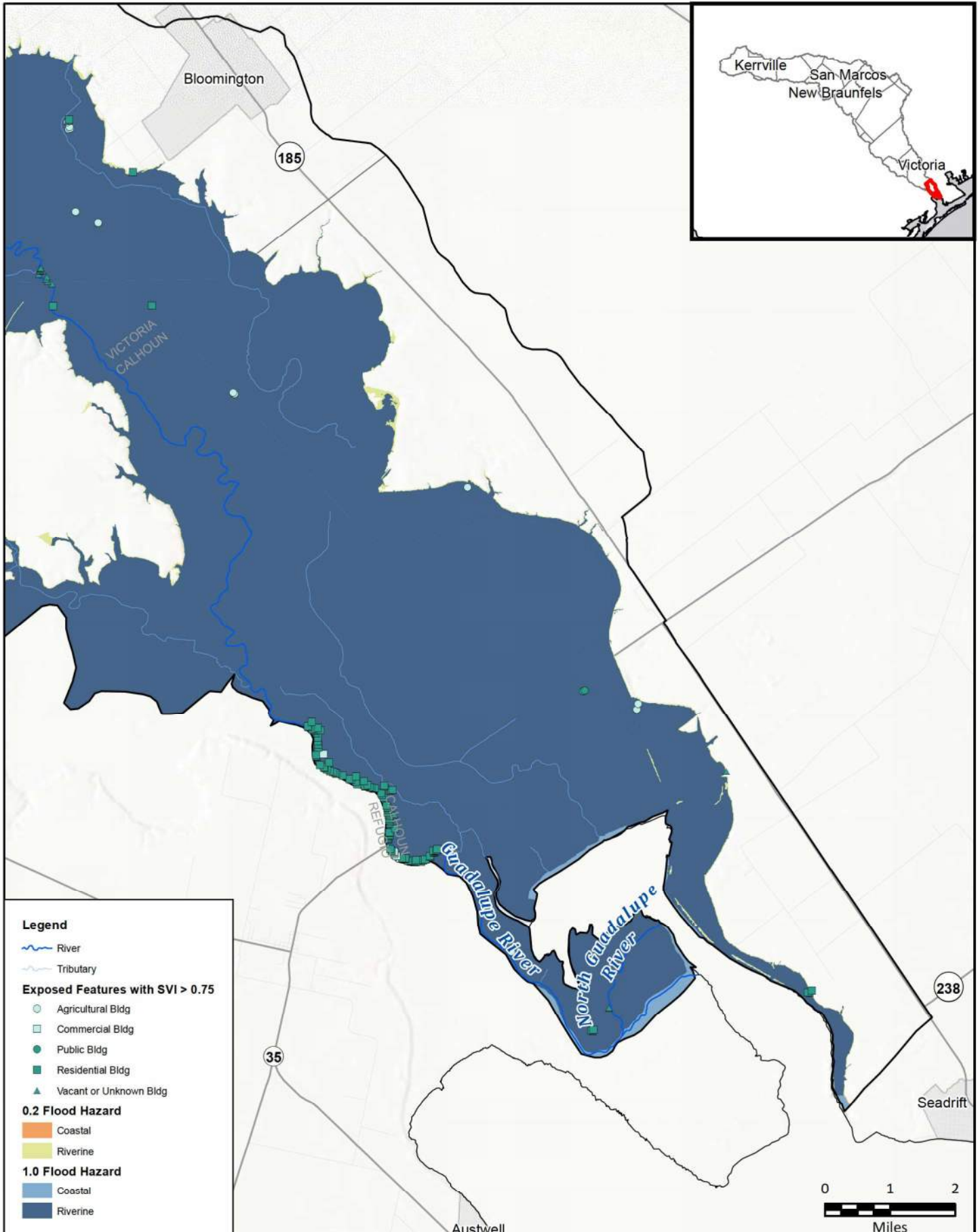
REGION **GUADALUPE**  
REGIONAL FLOOD PLANNING GROUP

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

Region 11: Guadalupe  
Map 12 - Future Vulnerability  
**Victoria County**



FIGURE  
13 of 14



**Legend**

- River
- Tributary

**Exposed Features with SVI > 0.75**

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

**0.2 Flood Hazard**

- Coastal
- Riverine

**1.0 Flood Hazard**

- Coastal
- Riverine



FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 12_FutureVulnerabilityMB
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 12 - Future Vulnerability

# Calhoun County

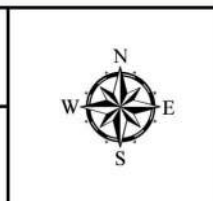


FIGURE  
14 of 14

## **Appendix 2-C |**

## List of Existing Hydrologic and Hydraulic Models

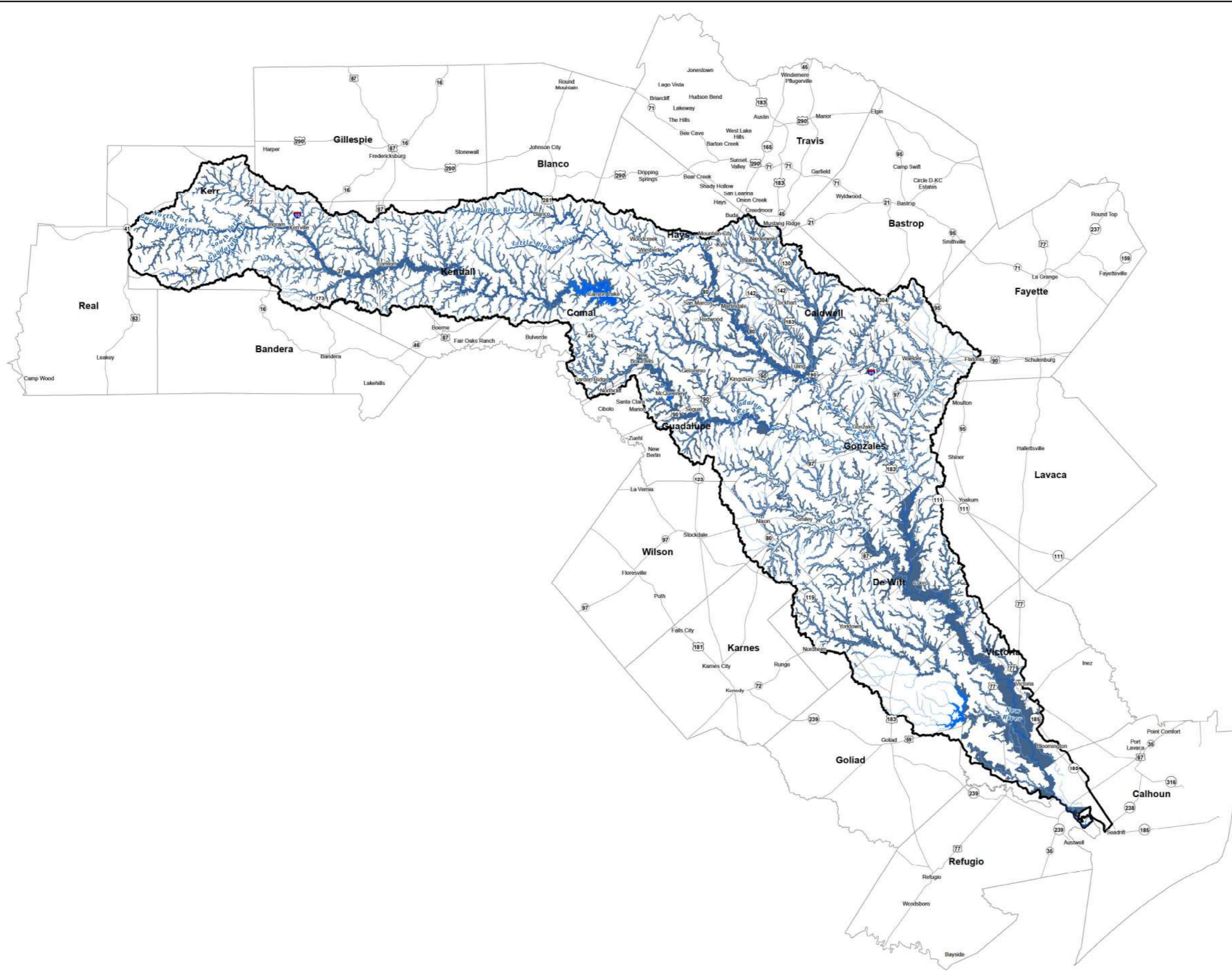


### List of Models Relevant to the RFP

<b>Title</b>	<b>Software</b>	<b>Study Area</b>	<b>Sponsor</b>	<b>Year</b>
Bandera County Flood Insurance Study (FIS)	HEC-HMS	Bandera County	FEMA	2020
Bandera County FIS	HEC-RAS	Bandera County	FEMA	2020
Bastrop County FIS	HEC-HMS	Bastrop County	FEMA	2016
Bastrop County FIS	HEC-RAS	Bastrop County	FEMA	2016
Blanco County FIS	HEC-HMS	Blanco County	FEMA	1991
Blanco County FIS	HEC-RAS	Blanco County	FEMA	1991
Caldwell County FIS	HEC-HMS	Caldwell County	FEMA	2020
Caldwell County FIS	HEC-RAS	Caldwell County	FEMA	2020
Calhoun County FIS	HEC-HMS	Calhoun County	FEMA	2018
Calhoun County FIS	HEC-RAS	Calhoun County	FEMA	2018
Comal County FIS	HEC-HMS	Comal County	FEMA	2009
Comal County FIS	HEC-RAS	Comal County	FEMA	2009
DeWitt County FIS	HEC-HMS	DeWitt County	FEMA	2011
DeWitt County FIS	HEC-RAS	DeWitt County	FEMA	2011
Fayette County FIS	HEC-HMS	Fayette County	FEMA	2006
Fayette County FIS	HEC-RAS	Fayette County	FEMA	2006
Gillespie County FIS	HEC-HMS	Gillespie County	FEMA	2001
Gillespie County FIS	HEC-RAS	Gillespie County	FEMA	2001
Goliad County FIS	HEC-HMS	Goliad County	FEMA	2010
Goliad County FIS	HEC-RAS	Goliad County	FEMA	2010
Gonzales County FIS	HEC-HMS	Gonzales County	FEMA	2020
Gonzales County FIS	HEC-RAS	Gonzales County	FEMA	2020
Guadalupe County FIS	HEC-HMS	Guadalupe County	FEMA	2020
Guadalupe County FIS	HEC-RAS	Guadalupe County	FEMA	2020
Hays County FIS	HEC-HMS	Hays County	FEMA	2005
Hays County FIS	HEC-RAS	Hays County	FEMA	2005
Hays County FIS FEMA PMR	HEC-HMS	Hays County	FEMA	Ongoing
Hays County FIS FEMA PMR	HEC-RAS	Hays County	FEMA	Ongoing
Karnes County FIS	HEC-HMS	Karnes County	FEMA	2010
Karnes County FIS	HEC-RAS	Karnes County	FEMA	2010
Kendall County FIS	HEC-HMS	Kendall County	FEMA	2020
Kendall County FIS	HEC-RAS	Kendall County	FEMA	2020
Kerr County FIS	HEC-HMS	Kerr County	FEMA	2020
Kerr County FIS	HEC-RAS	Kerr County	FEMA	2020
Lavaca County FIS	HEC-HMS	Lavaca County	FEMA	2010
Lavaca County FIS	HEC-RAS	Lavaca County	FEMA	2010
Refugio County FIS	HEC-HMS	Refugio County	FEMA	2014
Refugio County FIS	HEC-RAS	Refugio County	FEMA	2014
Travis County FIS	HEC-HMS	Travis County	FEMA	2020
Travis County FIS	HEC-RAS	Travis County	FEMA	2020
City of Victoria FIS	HEC-HMS	City of Victoria	FEMA	1999
City of Victoria FIS	HEC-RAS	City of Victoria	FEMA	1999
Victoria County FIS	HEC-HMS	Victoria County	FEMA	1998
Victoria County FIS	HEC-RAS	Victoria County	FEMA	1998
Wilson County FIS	HEC-HMS	Wilson County	FEMA	2010

<b>Title</b>	<b>Software</b>	<b>Study Area</b>	<b>Sponsor</b>	<b>Year</b>
Wilson County FIS	HEC-RAS	Wilson County	FEMA	2010
Annex 1 – GBRA TRN Interim Feasibility Study – Phase 1 – Hydrologic Analysis	HEC-HMS	GBRA, Luling, and Woodcreek	GBRA Annex 1	2015
Annex 1 – GBRA TRN Interim Feasibility Study – Phase 1 – Hydraulic Analysis	HEC-RAS	GBRA, Luling, and Woodcreek	GBRA Annex 1	2015
Annex 2 – GBRA TRN Interim Feasibility Study – Phase 2 – Tier 1 Hydrologic Analysis	HEC-HMS	Bear Creek, Bypass Creek, Cypress Creek, and Upper San Marcos Creek	GBRA Annex 2	2015
Annex 2 – GBRA TRN Interim Feasibility Study – Phase 2 – Tier 1 Hydraulic Analysis	HEC-RAS	Bear Creek, Bypass Creek, Cypress Creek, Dry Bear Creek, Purgatory Creek, San Marcos Creek, and Willow Springs Creek	GBRA Annex 2	2015
Annex 2 – GBRA TRN Interim Feasibility Study – Phase 2 – Tier 2 Hydrologic Analysis	HEC-HMS	Plum Creek	GBRA Annex 2	2015
Annex 2 – GBRA TRN Interim Feasibility Study – Phase 2 – Tier 2 Hydraulic Analysis	HEC-RAS	Andrews Porter Creek, Boggy Creek, Brushy Creek (Trib 1, Trib 1A), Buntion Branch, Clear Fork Plum, Elm Creek, Mebane Creek, Plum Creek (Trib 1, Trib 2, and Trib 3), and Town Branch Creek	GBRA Annex 2	2015
Annex 2 – GBRA TRN Interim Feasibility Study – Phase 2 – Tier 3 Hydrologic Analysis	HEC-HMS	Mays Creek, Peach Creek, and Spring Creek	GBRA Annex 2	2015
Annex 2 – GBRA TRN Interim Feasibility Study – Phase 2 – Tier 3 Hydraulic Analysis	HEC-RAS	Baldrige and Tribs, Mays Creek, Peach Creek, and Spring Creek	GBRA Annex 2	2015
Annex 3 – GBRA FPP Study – Phase 3 Final Report – Hydrologic Analysis	HEC-HMS	Cypress Trib 1, Loneman Smith, Plum Trib 3, Plum Trib 3, and Wilson Creek	GBRA Annex 3	2015
Annex 3 – GBRA FPP Study – Phase 3 Final Report – Hydraulic Analysis	HEC-RAS	Cypress Trib 1, Loneman Creek, Plum Trib 3, Smith Creek, Wilson Creek, and Zone A	GBRA Annex 3	2015

## Map 22: Model Coverage



**Legend**

- Major Reservoirs
- River
- Tributary
- Model Coverage

**FRESE NICHOLS**  
 Freese and Nichols, Inc.  
 10431 Morado Circle, Bldg 5, Ste 300  
 Austin, Texas 78759  
 Office: (512) 617-3100

**Available H&H Models**  
 Region 11: Guadalupe

0 4.5 9 Miles

PROJECT NO.	GRA2116
DATE	22 April 2022
SCALE	1 in = 9 miles
DRAFTED	02405

**Map 22**