



2023 Regional Flood Plan

Appendices

Region 11 / Guadalupe

January 2023

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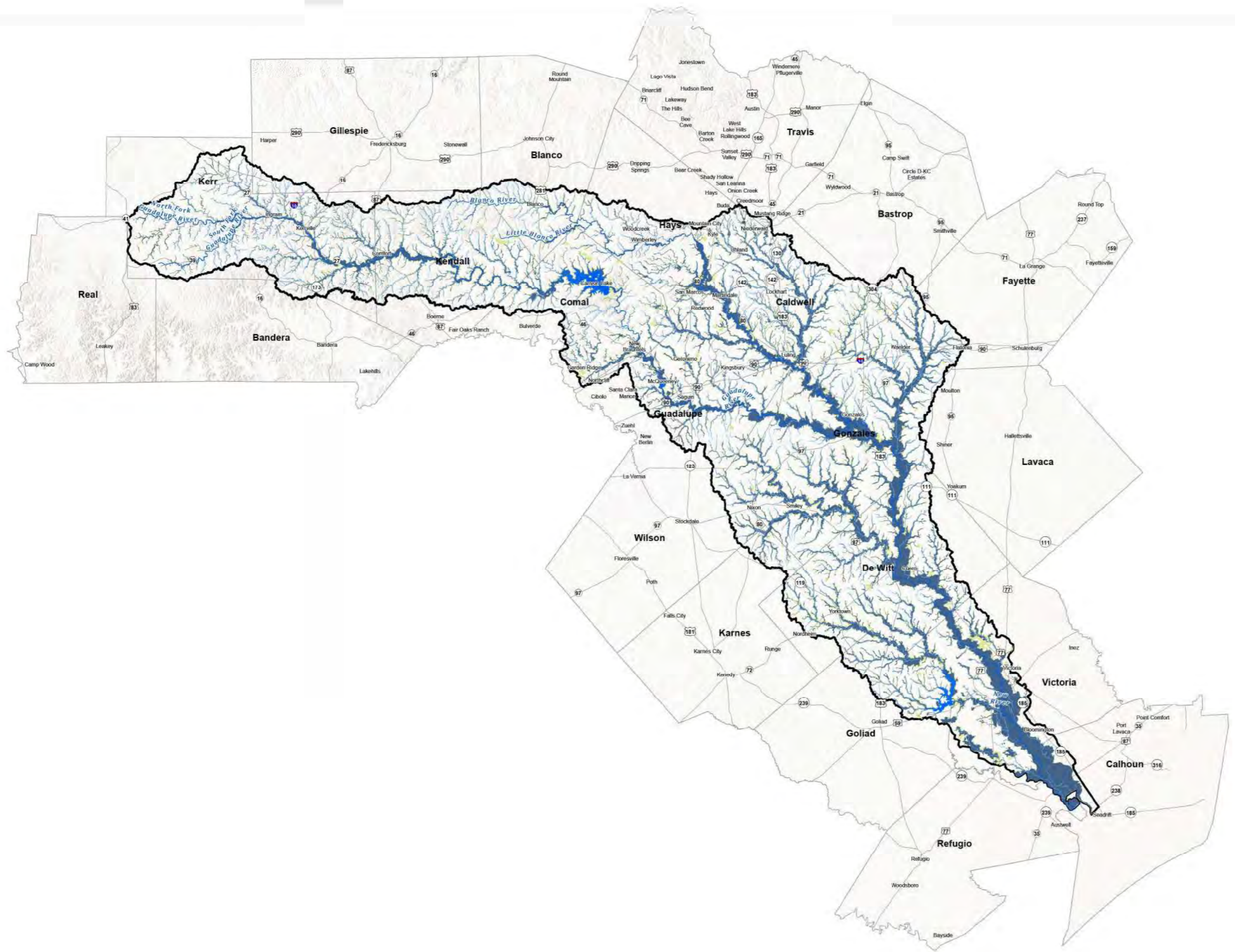
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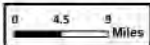
Appendix 2-B |

Map 8: Future Condition Flood Hazard



Legend

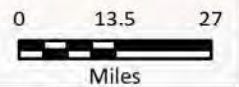
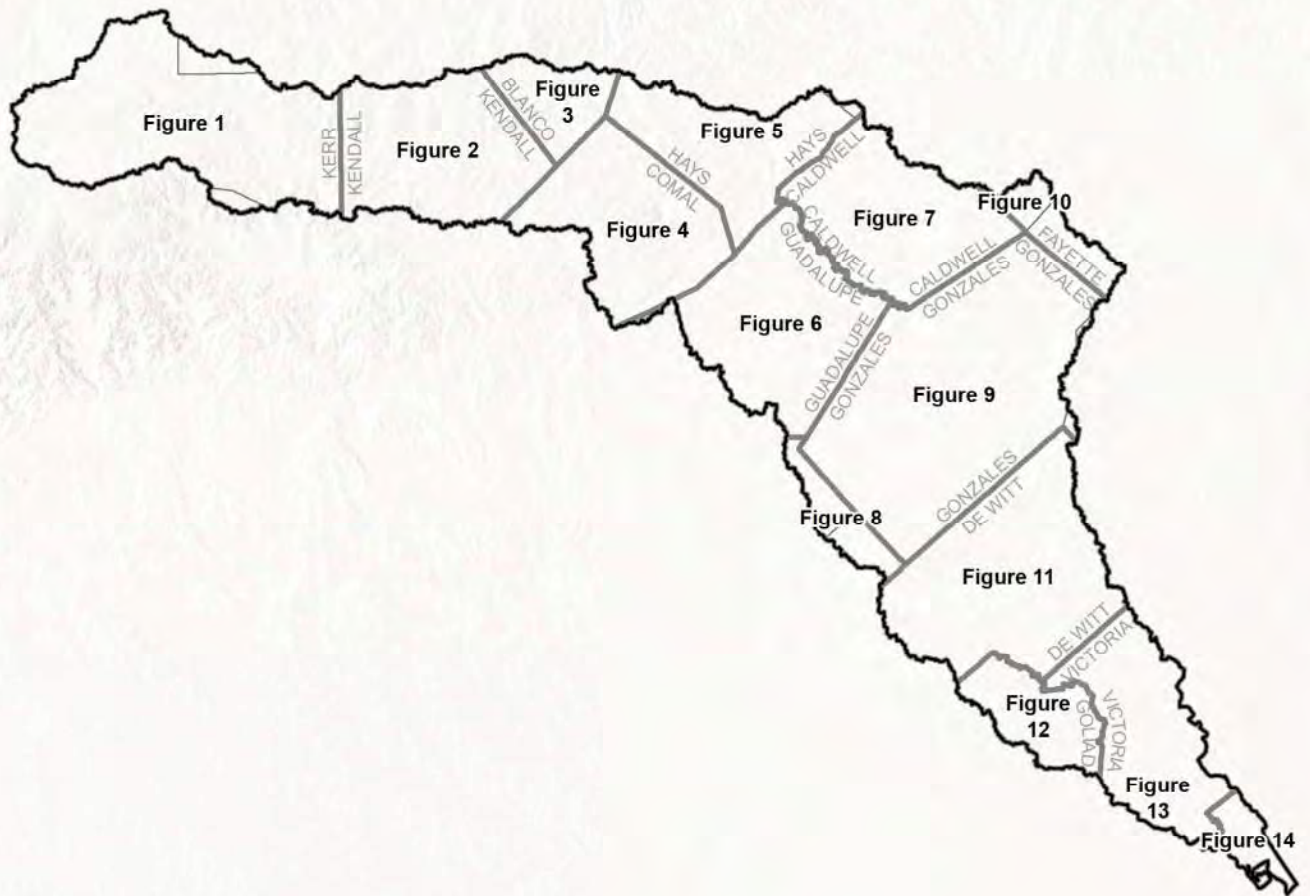
- Major Reservoirs
- River
- Tributary
- 0.2 Flood Hazard**
- Coastal
- Riverine
- 1.0 Flood Hazard**
- Coastal
- Riverine
- Flood Planning Region



Map 8 Region - Future Flood Hazard Areas

Region 11: Guadalupe

PROJECT	CREATED	Map 8
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DATE	DATE	



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

Index Map

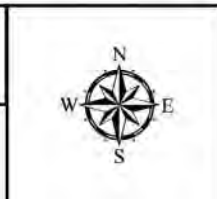
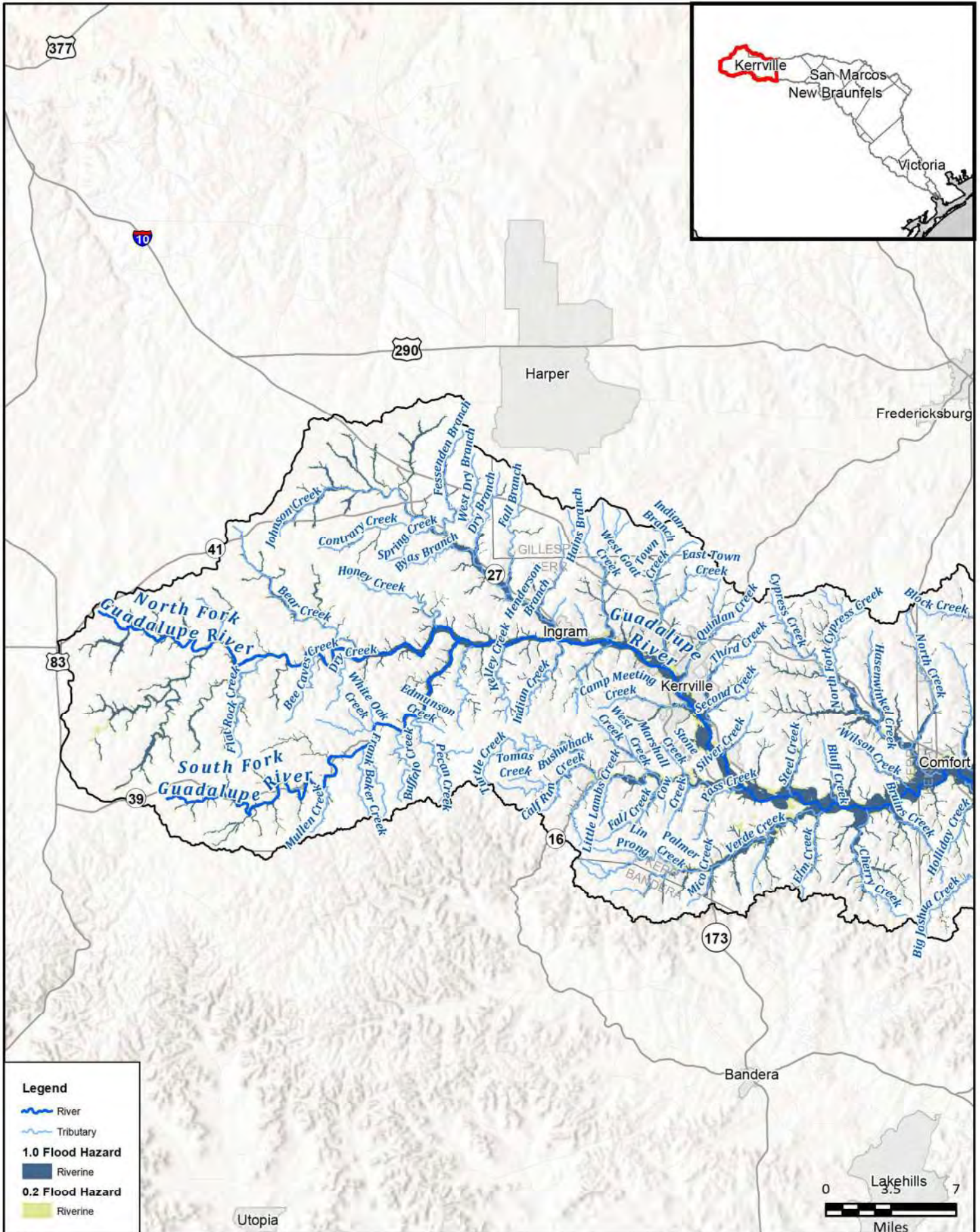


FIGURE
Index



Legend

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

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Region 11: Guadalupe
 Map 8 - Future Flood Hazard Areas

Kerr County

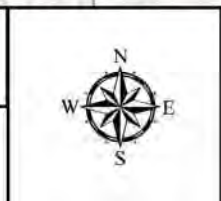
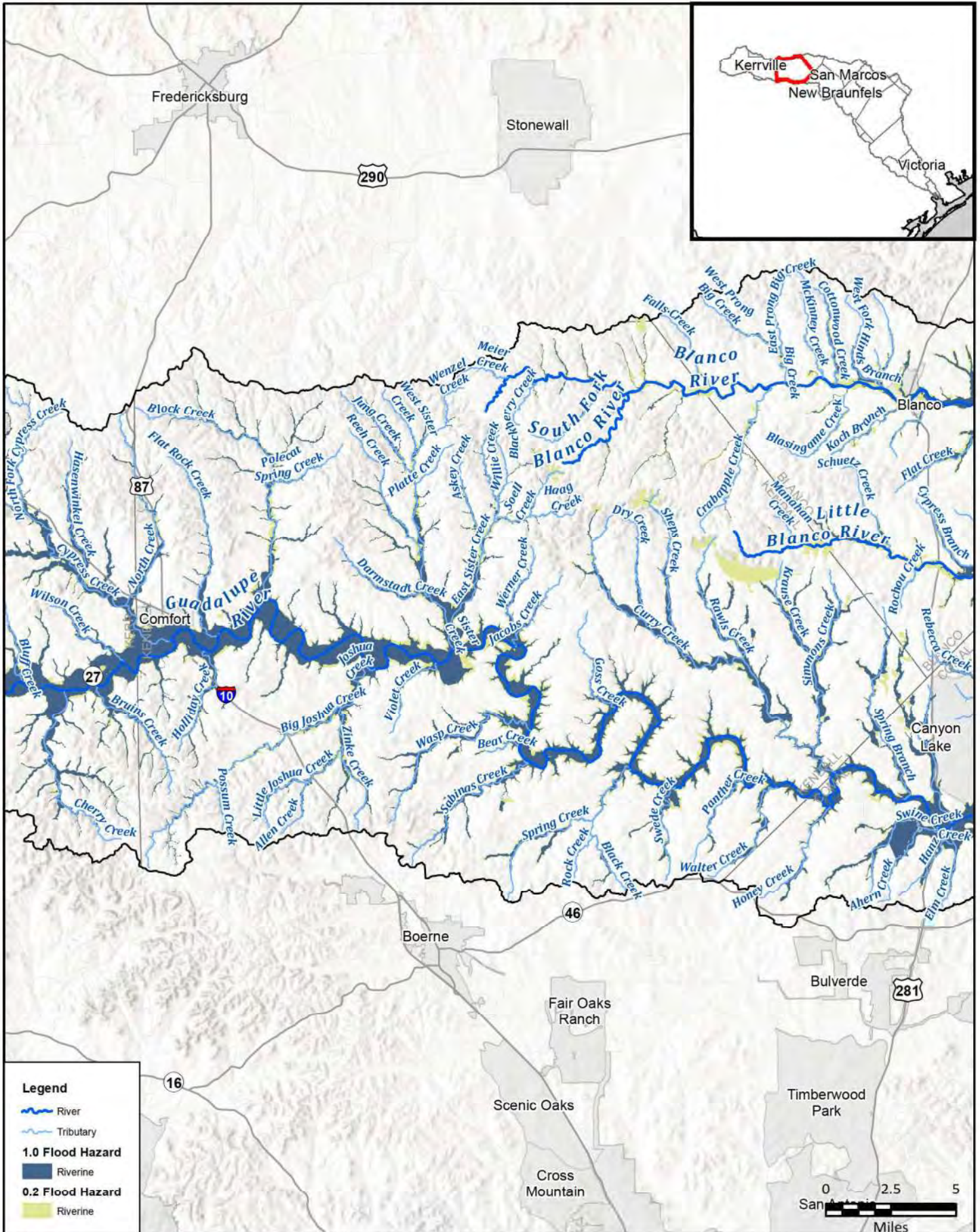


FIGURE
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Legend

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

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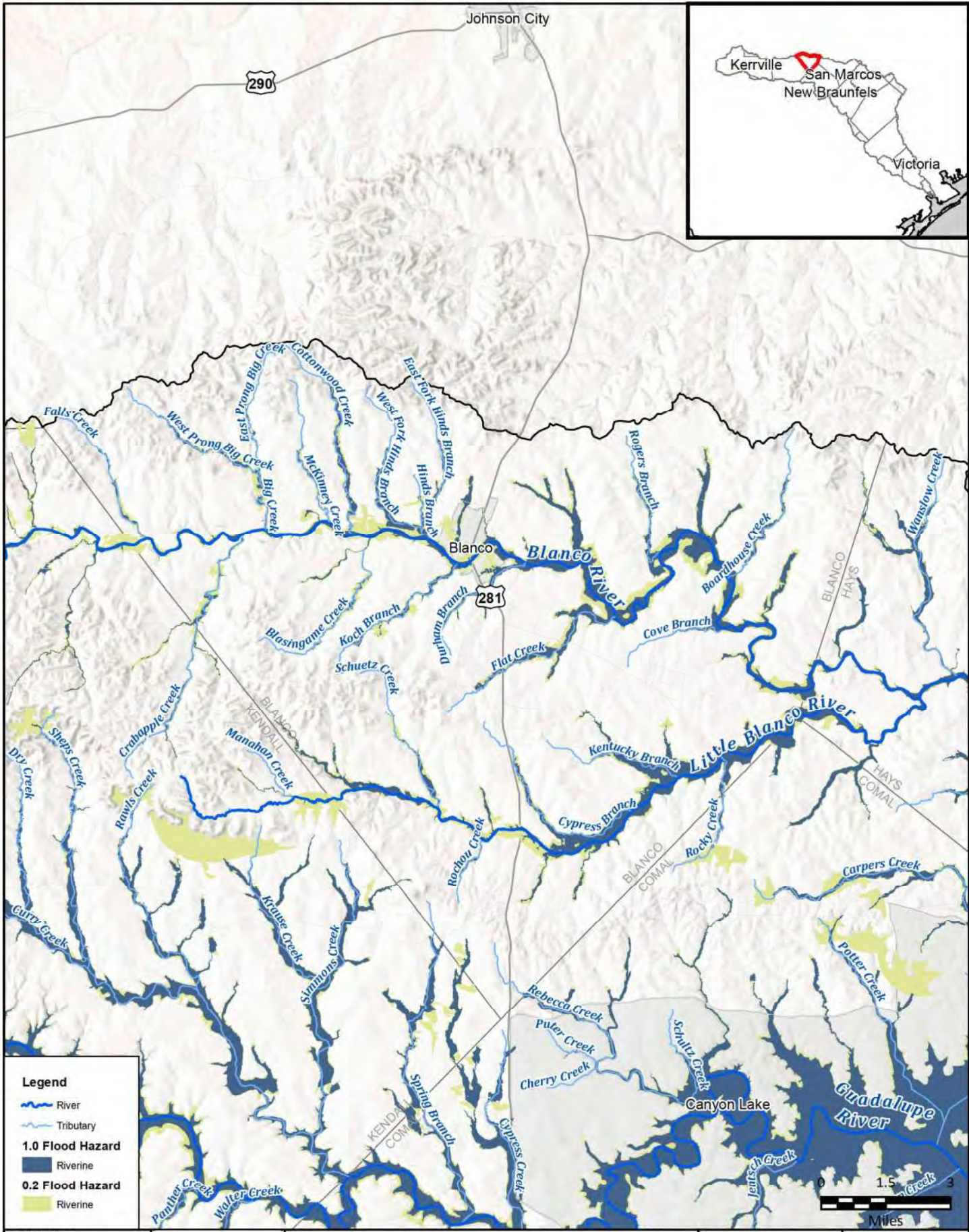
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Region 11: Guadalupe
Map 8 - Future Flood Hazard Areas

Kendall County



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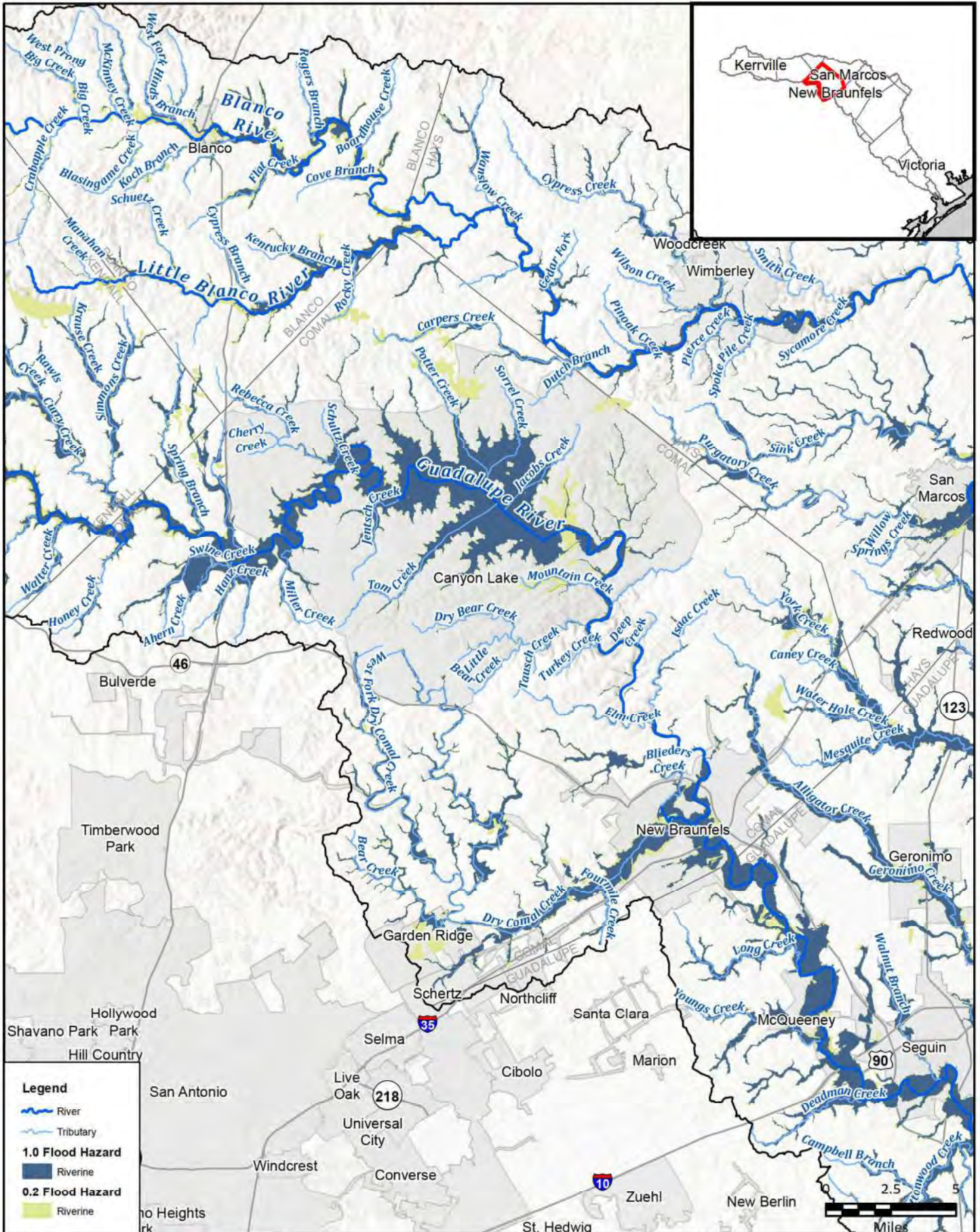
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Region 11: Guadalupe
 Map 8 - Future Flood Hazard Areas

Blanco County



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

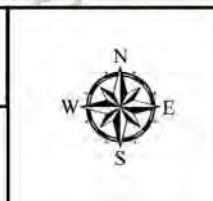
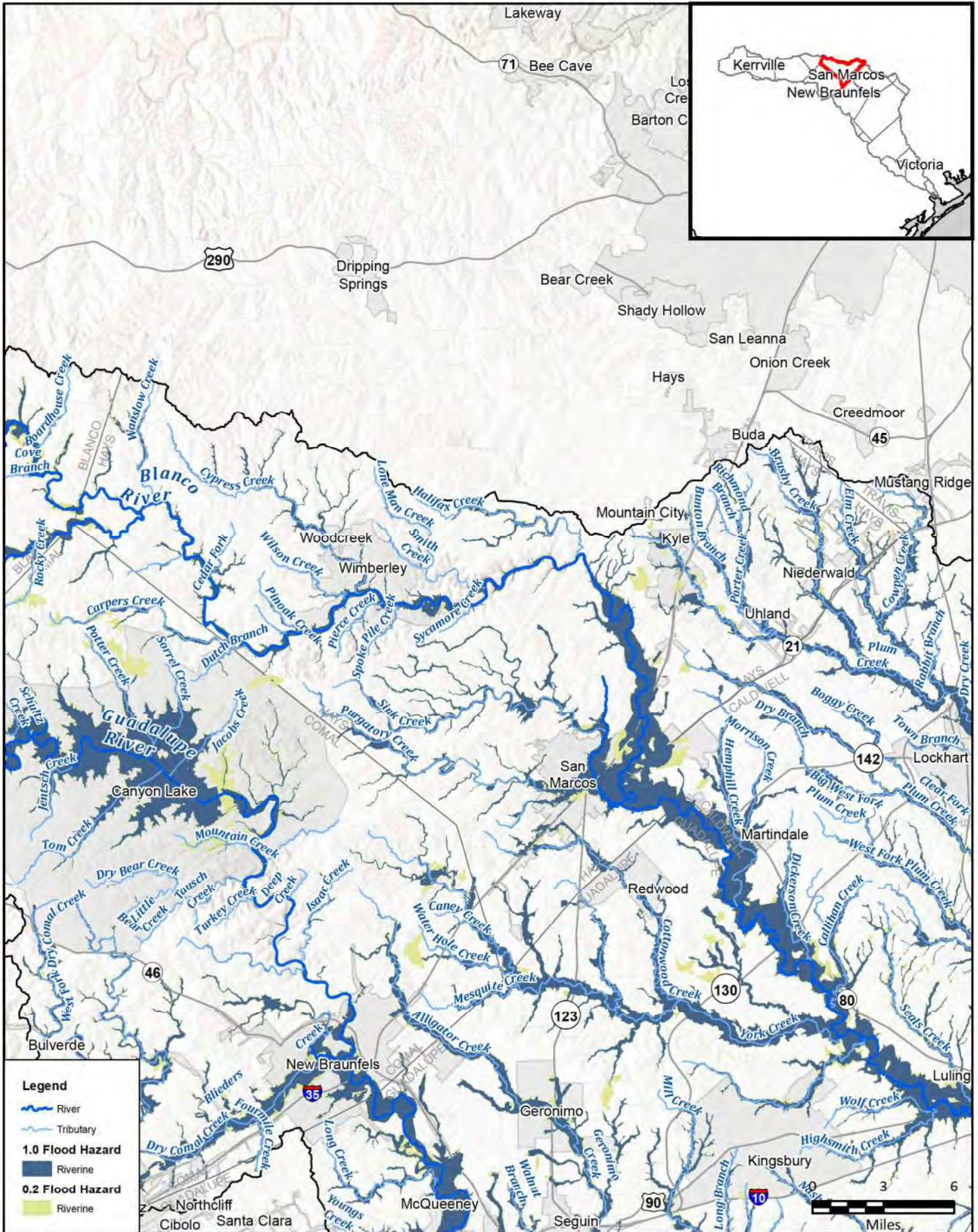


FIGURE
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Legend

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

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

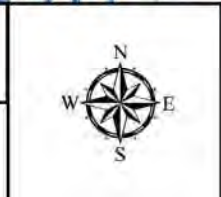
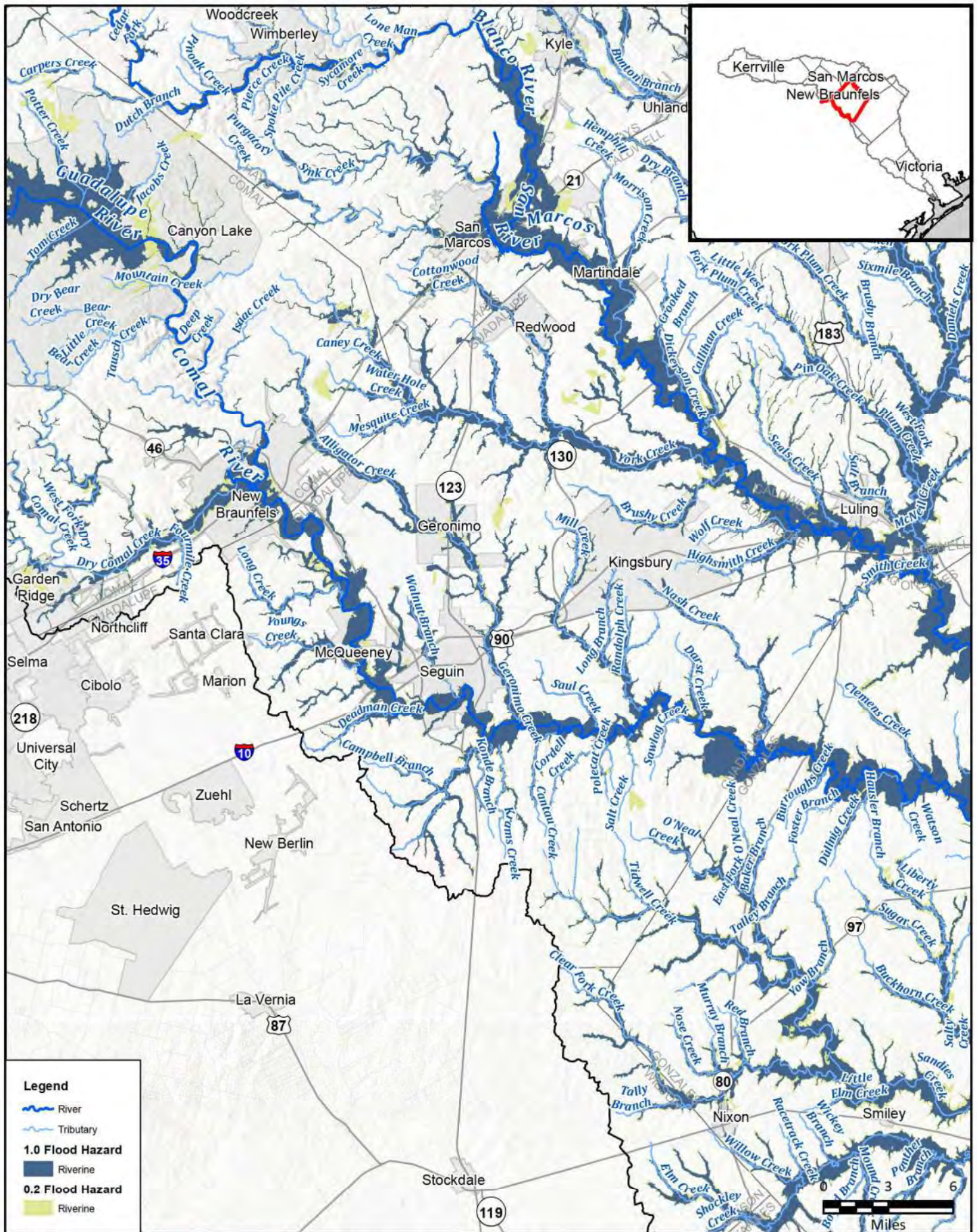


FIGURE
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Region 11: Guadalupe
Map 8 - Future Flood Hazard Areas
Guadalupe County

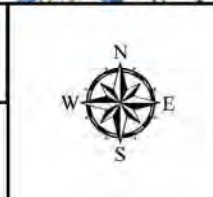
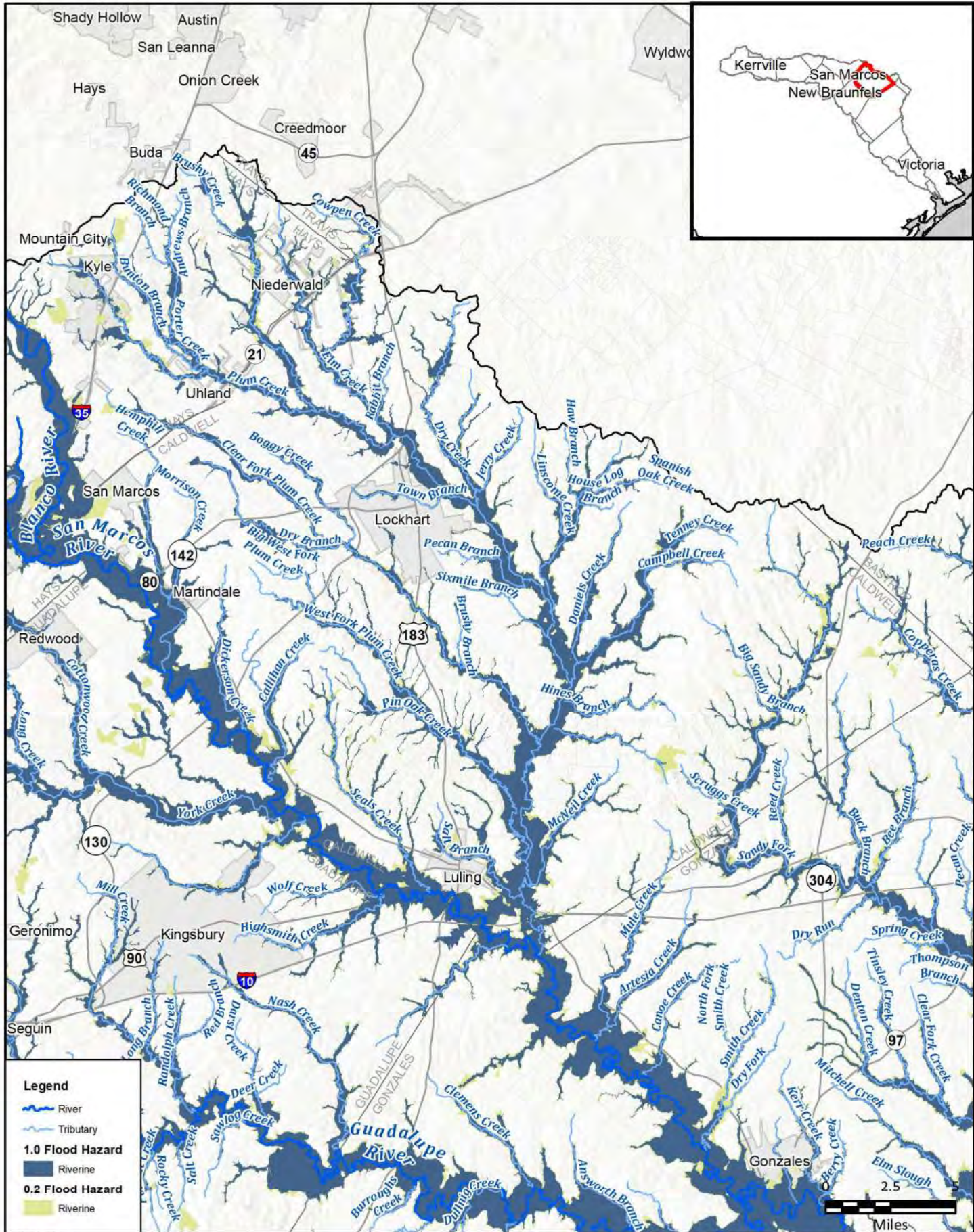


FIGURE
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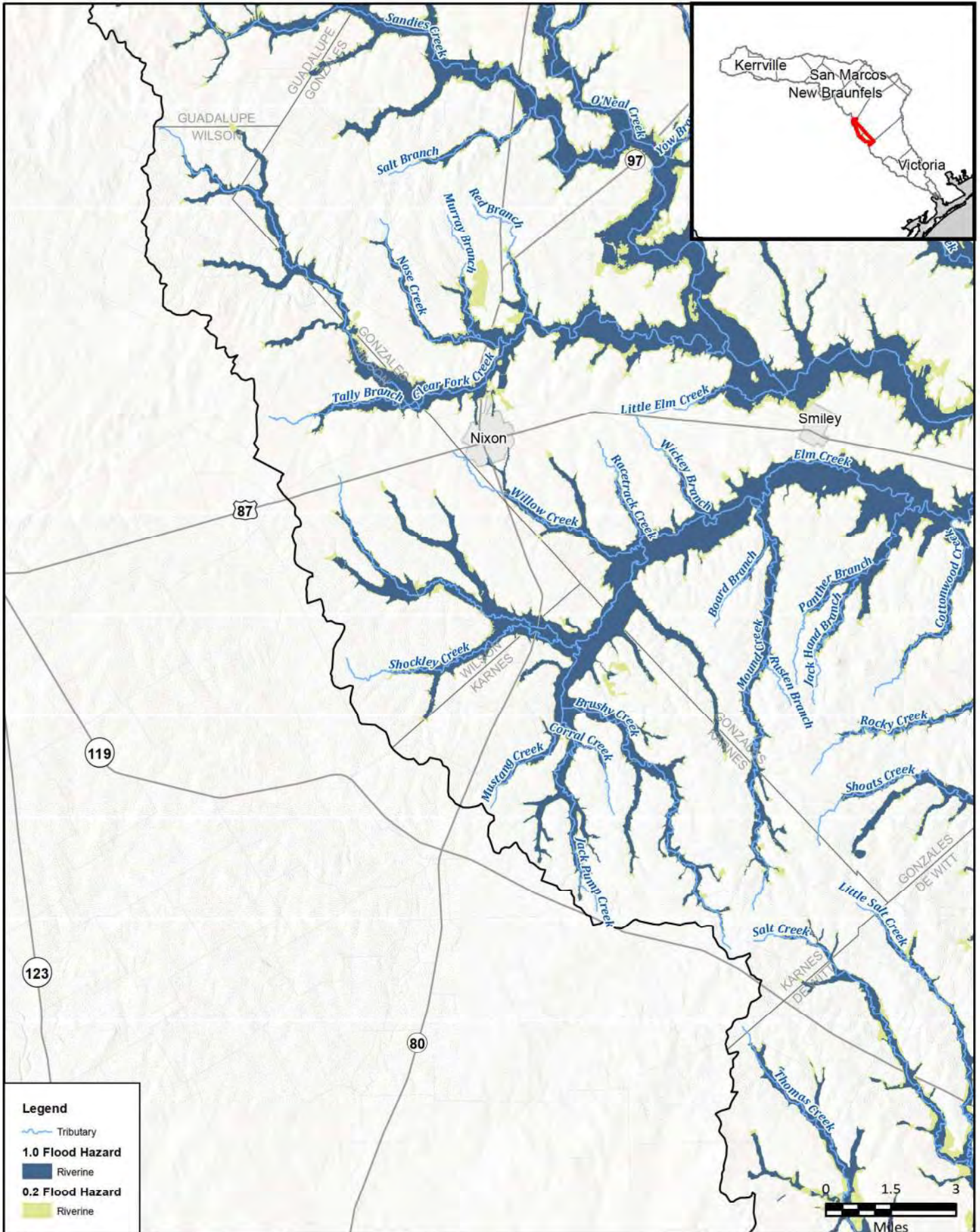
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Region 11: Guadalupe
 Map 8 - Future Flood Hazard Areas
Caldwell County



FIGURE
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Legend

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

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

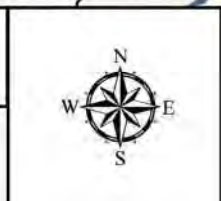
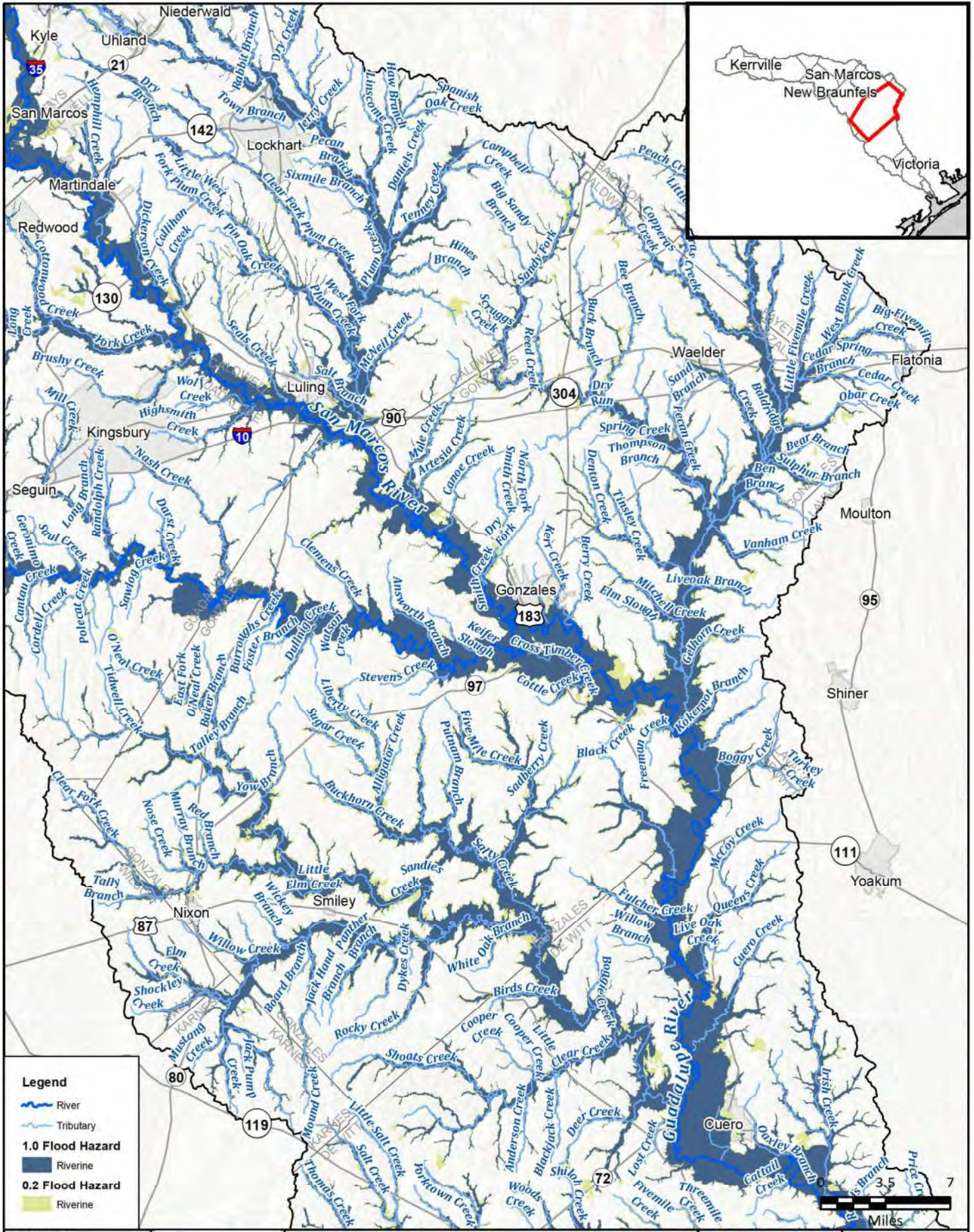


FIGURE
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Legend

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

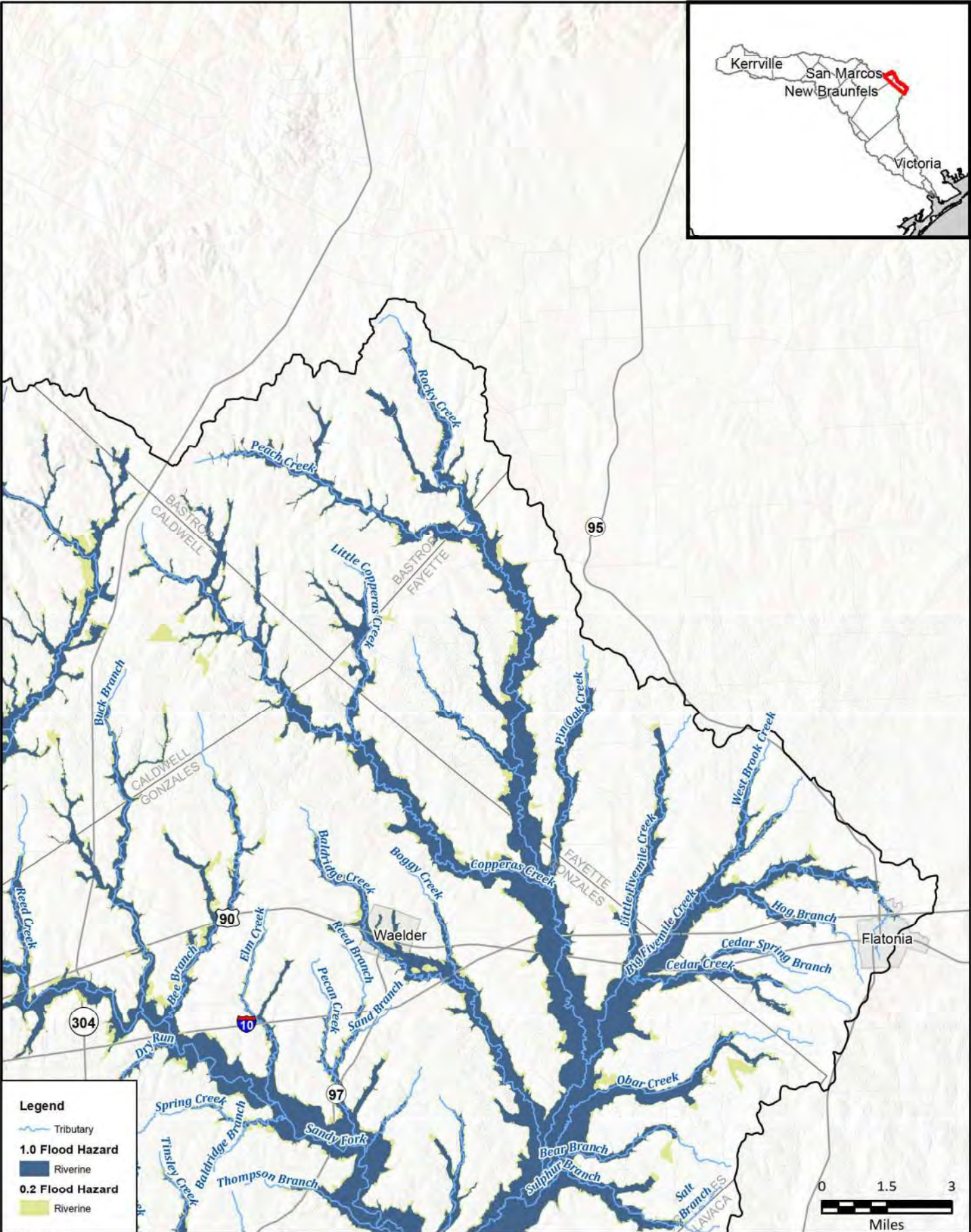
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Region 11: Guadalupe
 Map 8 - Future Flood Hazard Areas
Gonzales County

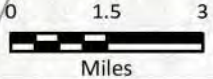


FIGURE
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Legend

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



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

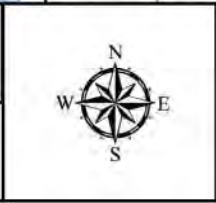
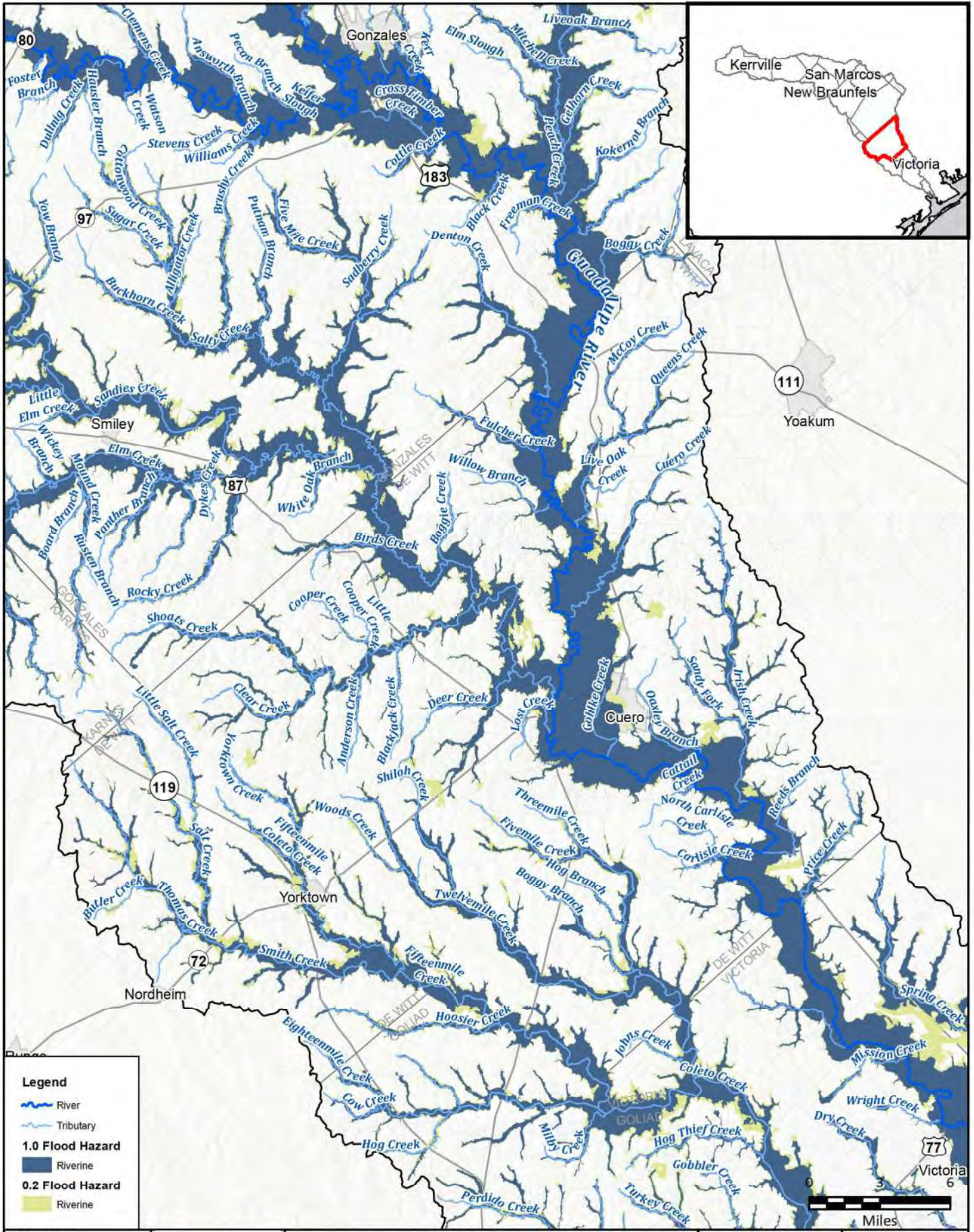


FIGURE
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Legend

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

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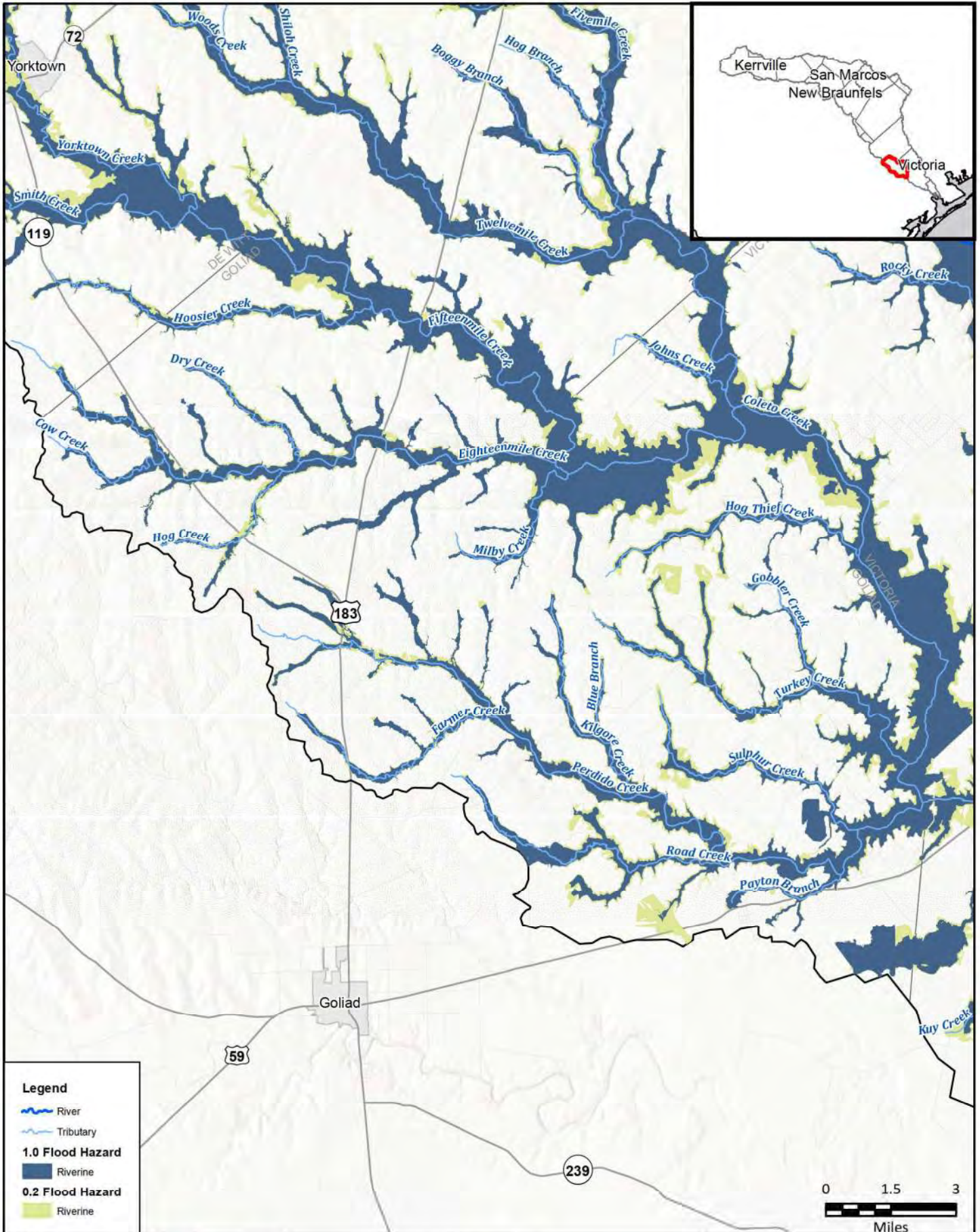
REGION 11
GUADALUPE
NATURAL FLOOD HAZARD OUTLINE

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



FIGURE
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Legend

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

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 REGIONAL WATER DISTRICT

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Region 11: Guadalupe
 Map 8 - Future Flood Hazard Areas

Goliad County

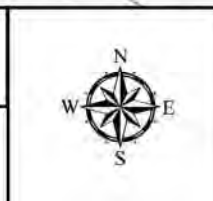
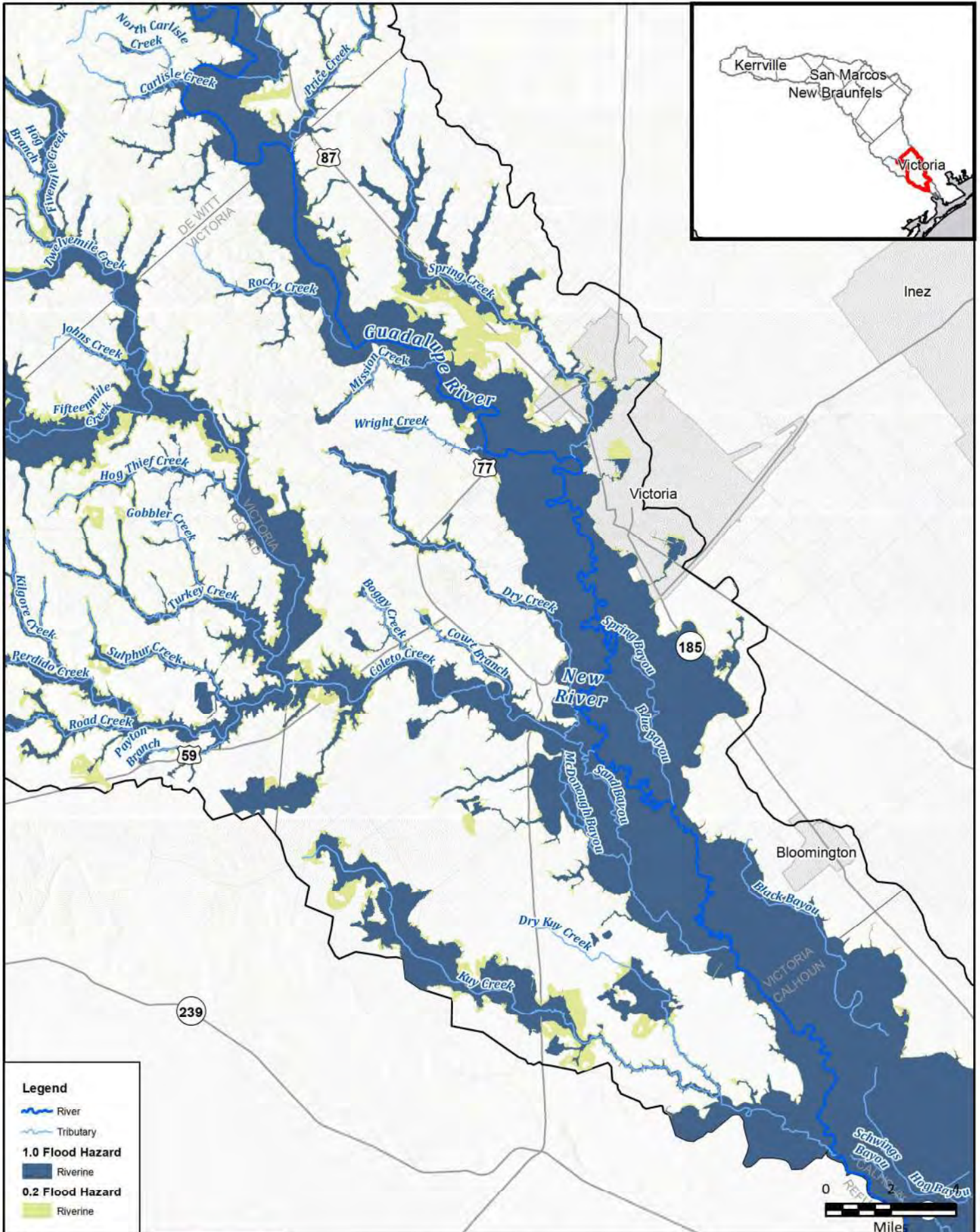


FIGURE
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Legend

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

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REGION 11
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MULTI-COUNTY PLANNING CENTER

FREESE & NICHOLS

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Region 11: Guadalupe
Map 8 - Future Flood Hazard Areas

Victoria County

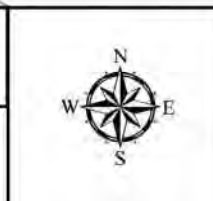
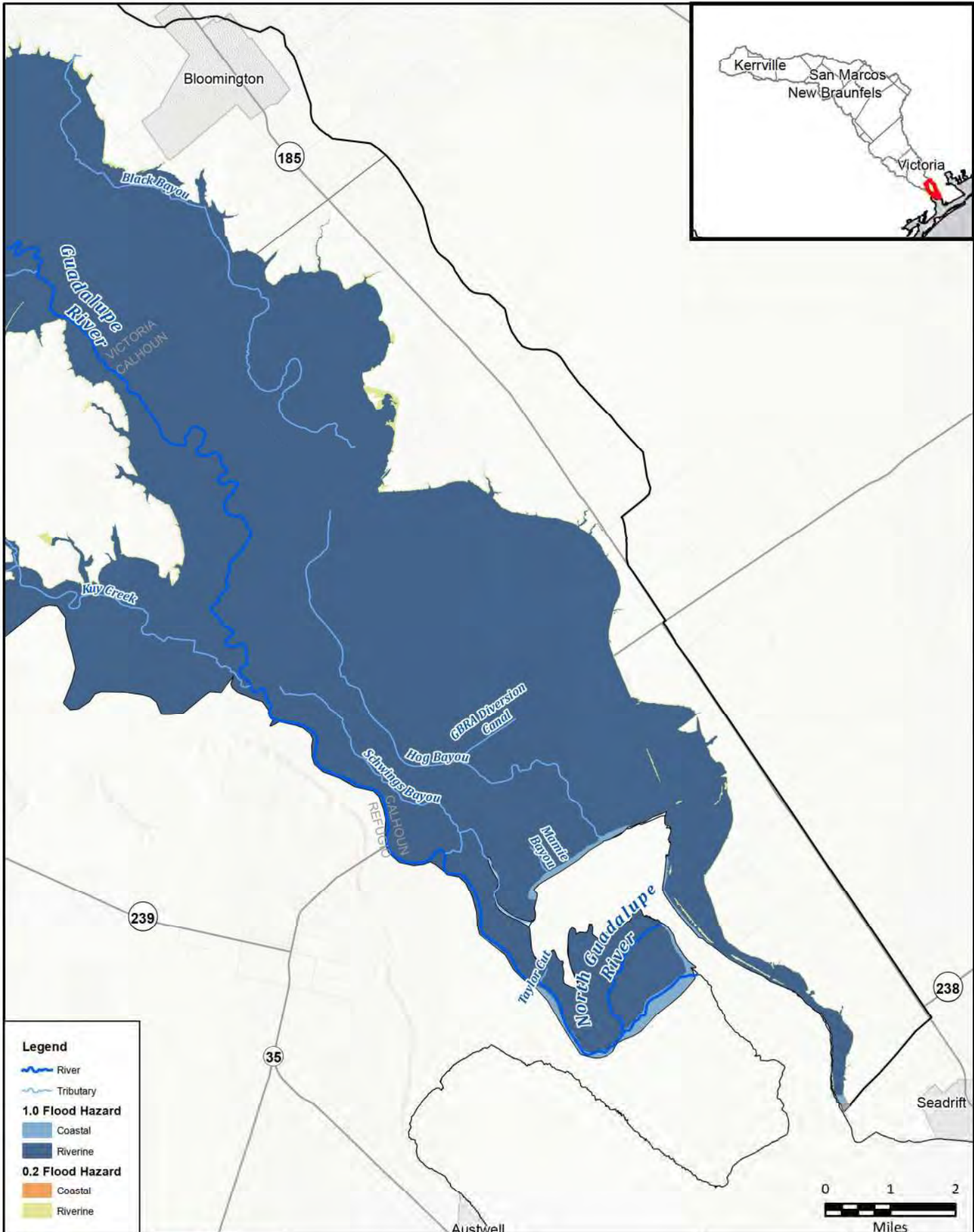


FIGURE
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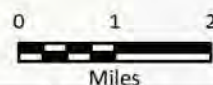
- River
- Tributary

1.0 Flood Hazard

- Coastal
- Riverine

0.2 Flood Hazard

- Coastal
- Riverine



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

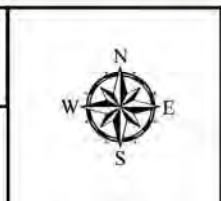


FIGURE
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**Table 5: Future Condition Flood Risk Summary
Table (by County)**

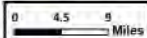
RFPG No.	RFPG Name	County	Area in Flood Planning Region (sqmi)	1% Annual Chance Flood Risk								0.2% Annual Chance Flood Risk								Possible Flood Prone Areas								Total Exposure						Average SVI of features in floodplain or flood prone areas		
				Area in Floodplain (sqmi)	Number of Structures in Floodplain	Residential Structures in Floodplain	Population	Roadway Stream Crossings (#)	Roadways Segments (miles)	Agricultural Areas (sqmi)	Critical Facilities (#)	Area in Floodplain (sqmi)	Number of Structures in Floodplain	Residential Structures in Floodplain	Population	Roadway Stream Crossings (#)	Roadways Segments (miles)	Agricultural Areas (sqmi)	Critical Facilities (#)	Area (sqmi)	Number of Structures in Flood Prone Area	Residential Structures in Flood Prone Area	Population	Roadway Stream Crossings (#)	Roadways Segments (miles)	Agricultural Areas (sqmi)	Critical Facilities (#)	Area (sqmi)	Number of Structures in Flood Prone Area	Residential Structures in Flood Prone Area	Population	Roadway Stream Crossings (#)	Roadways Segments (miles)		Agricultural Areas (sqmi)	Critical Facilities (#)
11	Guadalupe	Bandera	15.5	0.6	6	0	2	1	0.3	0.5	0	0.1	1	0	0	0	0.0	0.1	0	0.0	0	0	0	0	0.0	0.0	0	0.7	7	0	2	1	0.3	0.6	0	0.46
11	Guadalupe	Bastrop	38.6	3.9	21	14	28	11	2.2	2.5	0	0.7	22	20	42	3	0.8	0.6	0	0.0	0	0	0	0	0.0	0	4.7	43	34	70	14	3.0	3.1	0	0.32	
11	Guadalupe	Blanco	162.4	13.2	362	272	597	76	23.6	9.5	0	7.6	451	337	720	8	13.5	5.7	7	0.0	0	0	0	0	0.0	0	20.7	813	609	1317	84	37.1	15.3	7	0.52	
11	Guadalupe	Caldwell	486.8	96.5	1905	1380	4269	288	105.4	63.3	18	17.2	1389	1132	2887	42	28.9	12.7	7	0.0	0	0	0	0	0.0	0	113.7	3294	2512	7156	330	134.2	75.9	25	0.57	
11	Guadalupe	Calhoun	71.2	47.9	121	100	280	6	5.4	4.0	0	0.4	4	3	9	0	0.0	0.3	0	0.0	0	0	0	0	0.0	0	48.3	125	103	289	6	5.4	4.3	0	0.79	
11	Guadalupe	Comal	475.7	75.4	9833	7737	26250	256	189.4	17.0	29	18.8	4970	4377	14178	50	69.8	6.0	7	0.0	0	0	0	0	0.0	0	94.3	14803	12114	40428	306	259.1	23.1	36	0.37	
11	Guadalupe	De Witt	685.5	161.2	4388	2719	7563	362	161.9	119.5	42	30.0	1220	842	1979	44	48.9	26.0	8	0.0	0	0	0	0	0.0	0	191.3	5608	3561	9542	406	210.8	145.6	50	0.63	
11	Guadalupe	Fayette	70.8	11.6	60	29	73	52	11.9	7.2	0	2.2	41	26	69	4	2.9	1.9	0	0.0	0	0	0	0	0.0	0	13.8	101	55	142	56	14.8	9.1	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	0.0	0	0	0	0	0.0	0	1.1	26	10	52	2	0.1	1.0	0	0.34	
11	Guadalupe	Goliad	195.6	40.1	278	100	455	92	18.7	27.5	5	10.6	145	79	295	17	8.6	8.9	8	0.0	0	0	0	0	0.0	0	50.7	423	179	750	109	27.3	36.4	13	0.47	
11	Guadalupe	Gonzales	1056.8	256.3	2398	1171	3389	482	158.8	182.2	5	42.3	1117	578	3240	61	47.5	37.4	7	0.0	0	0	0	0	0.0	0	298.6	3515	1749	6629	543	206.2	219.5	12	0.73	
11	Guadalupe	Guadalupe	540.6	96.9	8009	6526	18994	364	154.4	47.3	20	14.3	2037	1691	4314	34	32.2	8.5	5	0.0	0	0	0	0	0.0	0	111.2	10046	8217	23308	398	186.6	55.8	25	0.42	
11	Guadalupe	Hays	376.7	55.0	9488	7588	38098	314	148.0	15.9	23	10.0	5195	4559	22976	20	45.8	3.3	17	0.0	0	0	0	0	0.0	0	65.0	14683	12147	61074	334	193.9	19.2	40	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	0.0	0	0	0	0	0.0	0	8.2	8	3	13	15	4.6	5.8	0	0.08	
11	Guadalupe	Kendall	502.9	60.3	2487	1324	3638	198	64.7	47.0	5	19.2	718	358	1172	17	20.2	15.7	9	0.0	0	0	0	0	0.0	0	79.5	3205	1682	4810	215	84.9	62.7	14	0.38	
11	Guadalupe	Kerr	769.6	86.6	7367	4688	15818	522	195.2	60.5	15	19.0	2577	1424	7402	24	50.3	13.6	8	0.0	0	0	0	0	0.0	0	105.6	9944	6112	23220	546	245.5	74.1	23	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	0.0	0	0	0	0	0.0	0	0.3	2	0	0	1	0.1	0.3	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	0.0	0	0	0	0	0.0	0	0.6	3	1	8	2	1.1	0.0	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	0.0	0	0	0	0	0.0	0	0.6	17	17	41	2	0.3	0.2	0	0.63	
11	Guadalupe	Victoria	413.7	149.4	2955	2357	7026	145	130.0	43.4	60	19.0	1856	1543	5255	12	43.8	7.3	5	0.0	0	0	0	0	0.0	0	168.4	4811	3900	12281	157	173.8	50.8	65	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	0.0	0	0	0	0	0.0	0	6.8	24	11	44	19	6.0	5.3	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

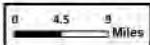
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DATE	7/14/2011	9
SCALE	1:25,000	
DRAWN	GM	

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	CREATED	Map 10
DATE	DATE	
SCALE	SCALE	
DRAWN	DRAWN	



FN PROJECT NO.	OBA21362
DATE CREATED	Date: 7/19/2022
DATUM & COORDINATE SYSTEM	
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PREPARED BY	02405

REGION 11
GUADALUPE
REGULATORY DISTRICT

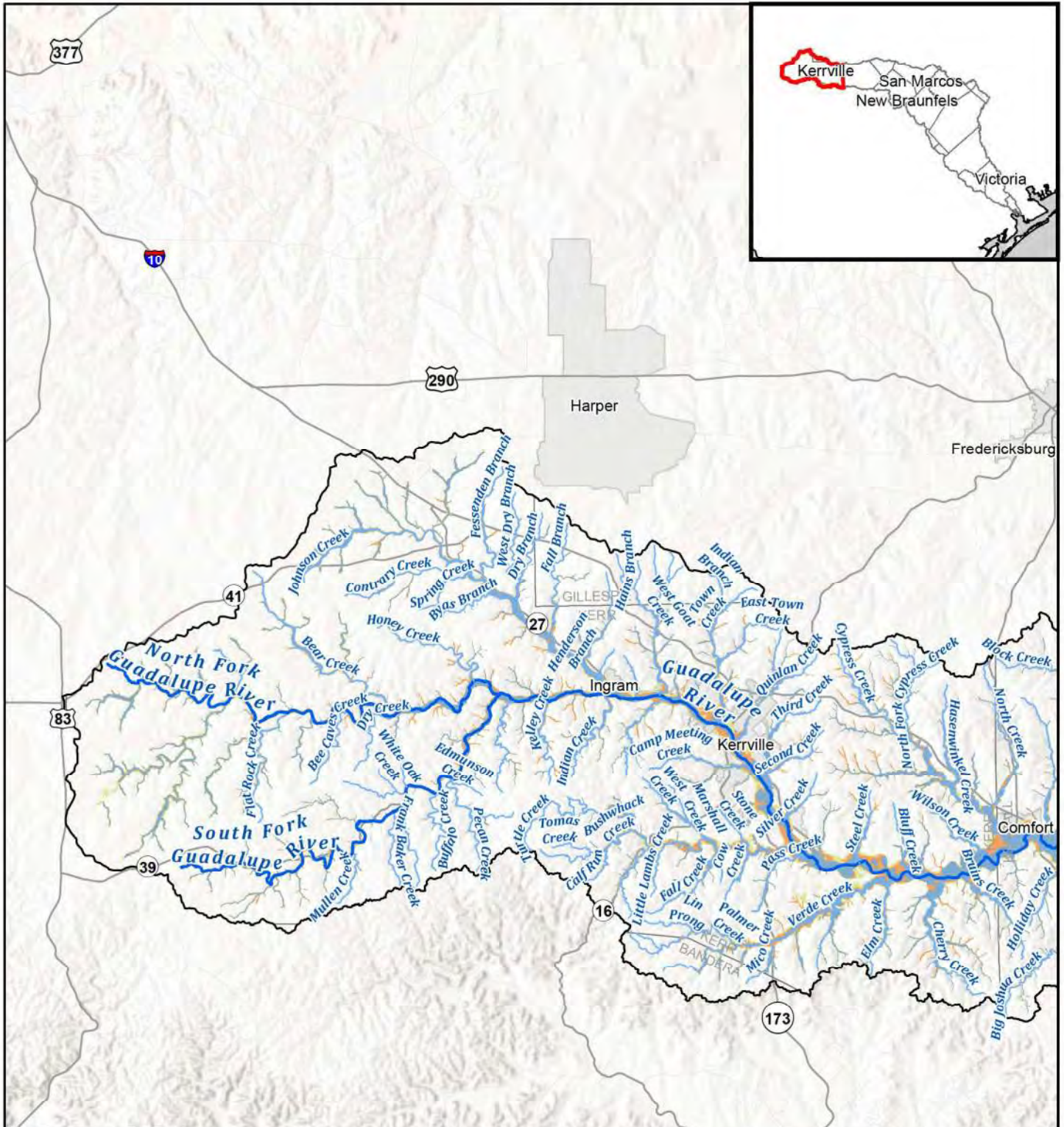
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AUSTIN, TEXAS 78759
OFFICE: (512) 617-3100

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



PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	
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FILE NAME	Name: 10_IncFloodHazardMapbook
PREPARED BY	02405

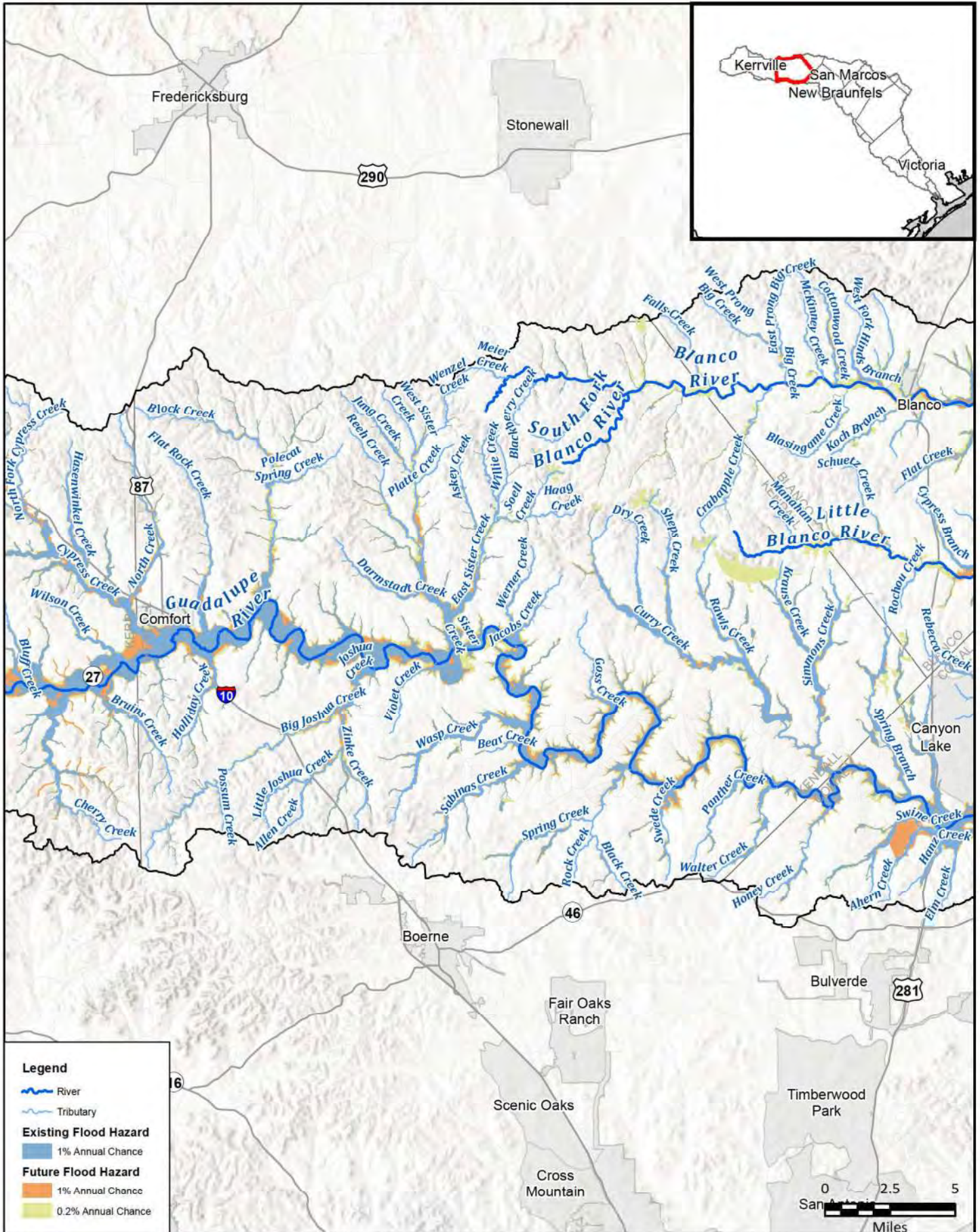
REGION 11
GUADALUPE
 REGIONAL CENTER FOR PLANNING AND DESIGN

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 FREES AND NICHOLS, INC.
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 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

PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
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FILE NAME	Name: 10_IncFloodHazardMapbook
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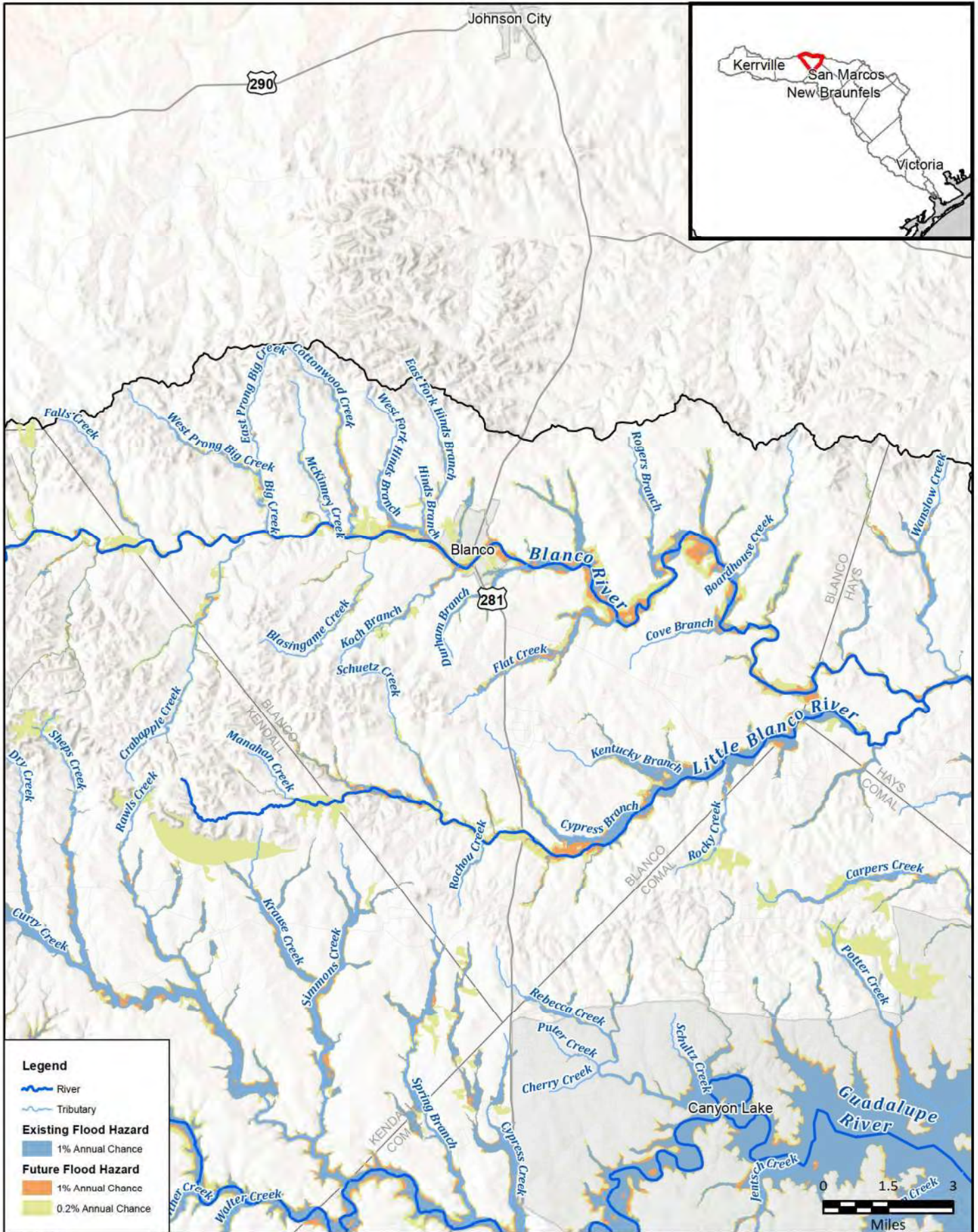
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Region 11: Guadalupe
 Map 10 - Future Flood Hazard Increase
Kendall County



FIGURE
 2 of 14



PROJECT NO.	OBA21362
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DATUM & COORDINATE SYSTEM	
FILE NAME	Name: 10_IncFloodHazardMapbook
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REGION 11
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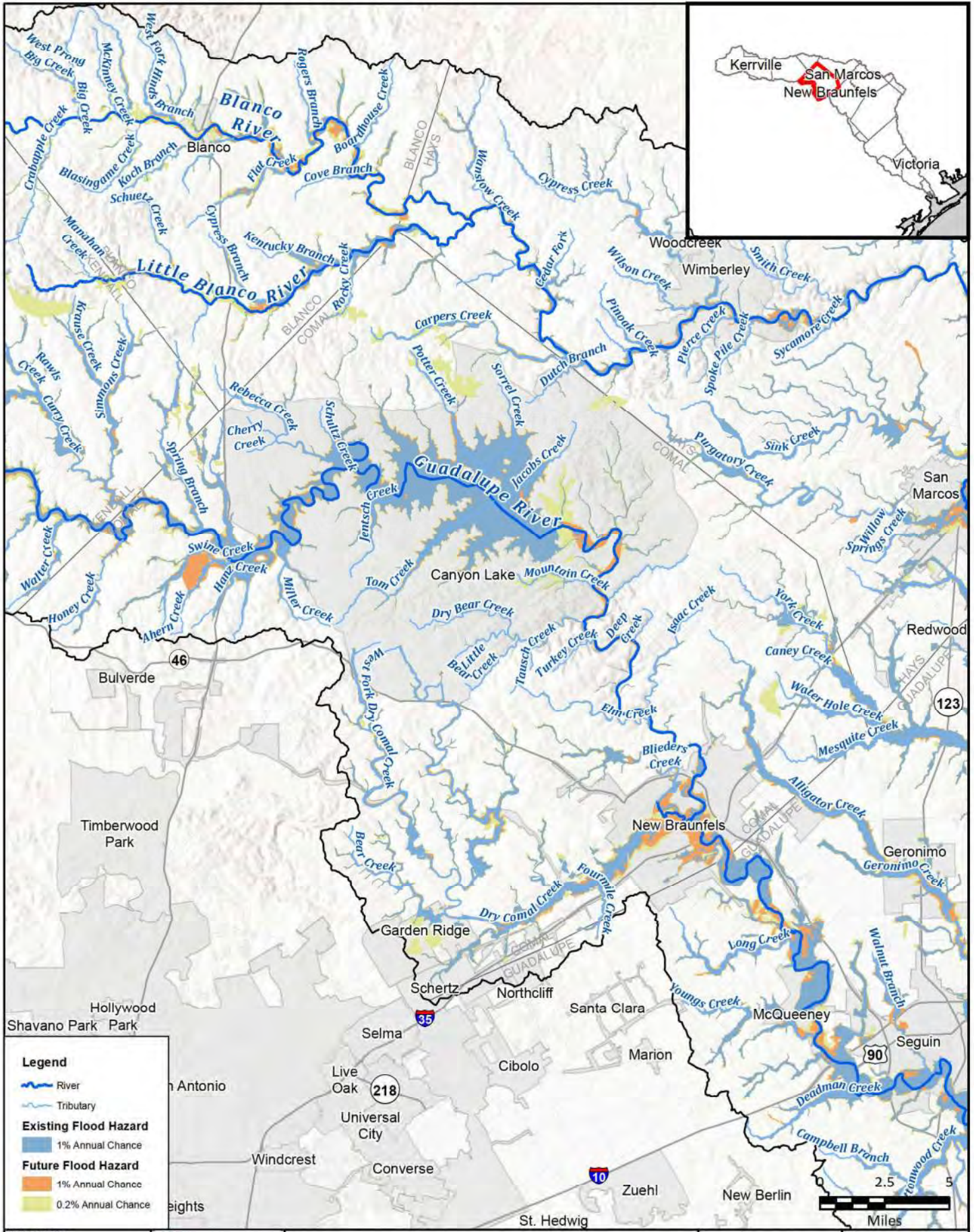
FREESE AND NICHOLS, INC.
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 OFFICE: (512) 617-3100

Region 11: Guadalupe
Map 10 - Future Flood Hazard Increase

Blanco County



FIGURE
3 of 14



PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	
NAD 1983 2011 Texas Centroid Mapping System Extension	
FILE NAME	Name: 10_IncFloodHazardMapbook
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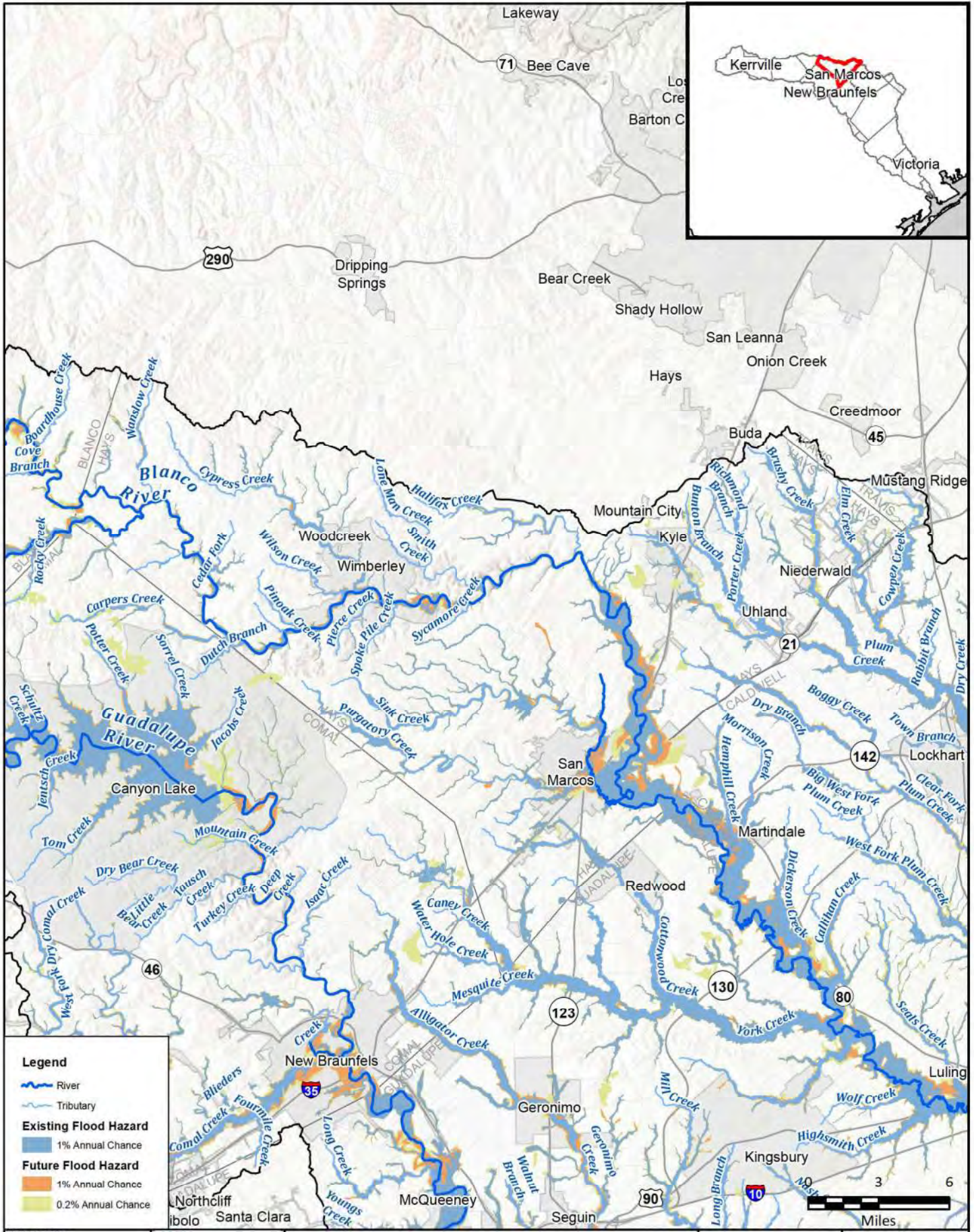
Region 11: Guadalupe

Map 10 - Future Flood Hazard Increase

Comal County



FIGURE
4 of 14



PROJECT NO.	OBA21362
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MAD 1983 2011 Texas Centroid Mapping System Lambert	
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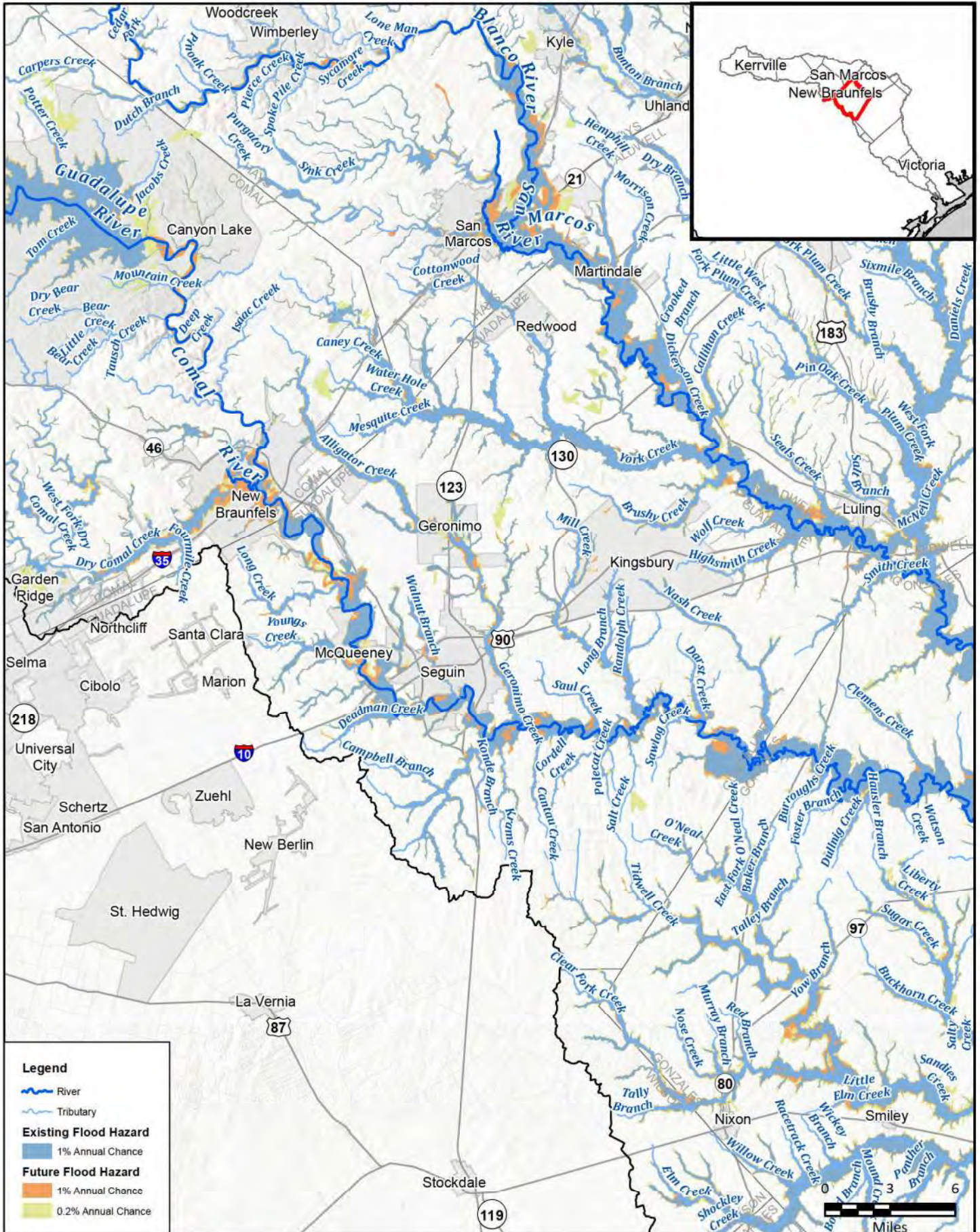
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Region 11: Guadalupe
Map 10 - Future Flood Hazard Increase

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

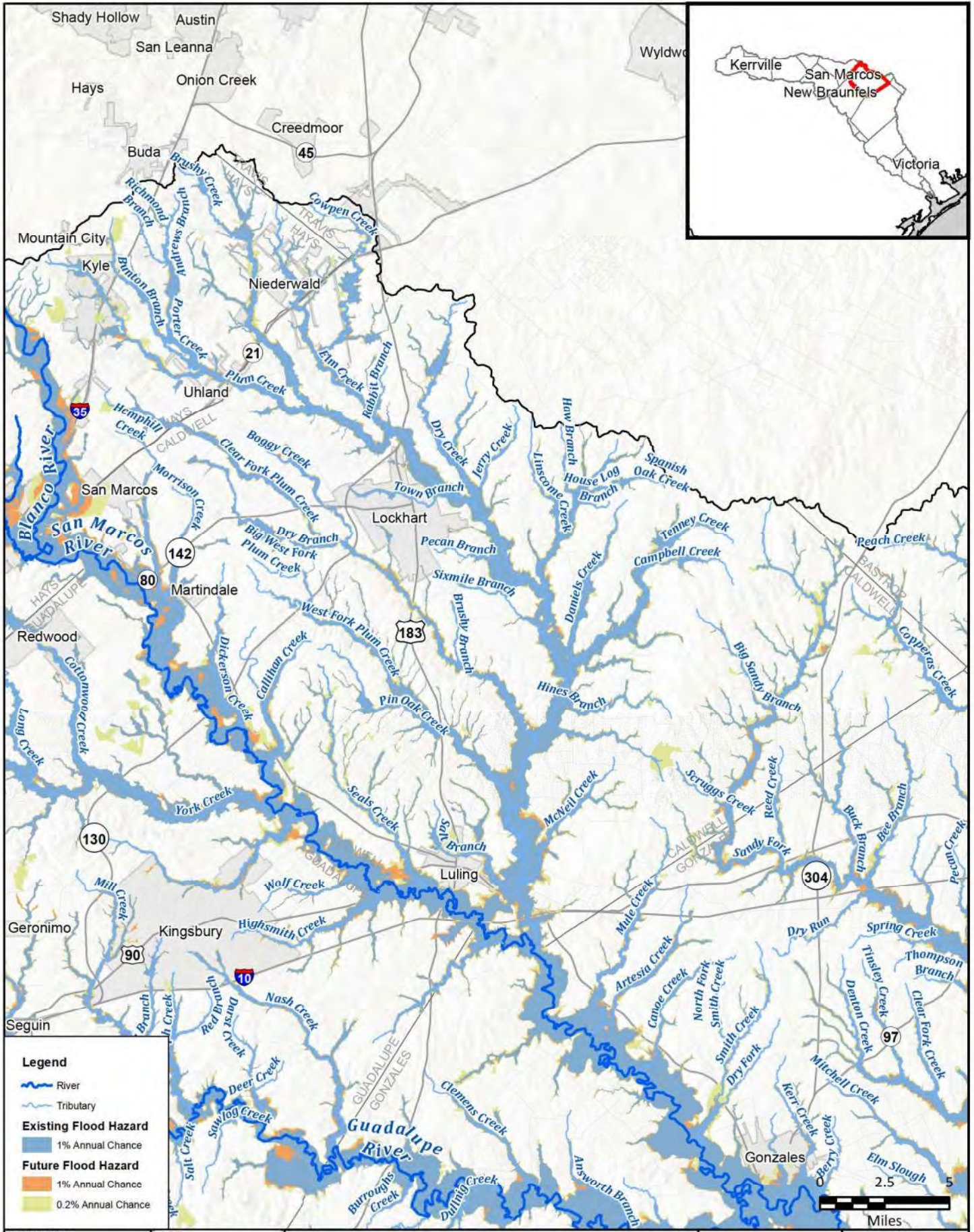
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DATE CREATED	Date: 7/14/2022
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MAD 1983 2011 Texas Center Mapping System License	
FILE NAME	Name: 10_IncFloodHazardMapbook
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Region 11: Guadalupe
Map 10 - Future Flood Hazard Increase
Guadalupe County



FIGURE
6 of 14



PROJECT NO.	OBA21362
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DATUM & COORDINATE SYSTEM	
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FILE NAME	Name: 10_IncFloodHazardMapbook
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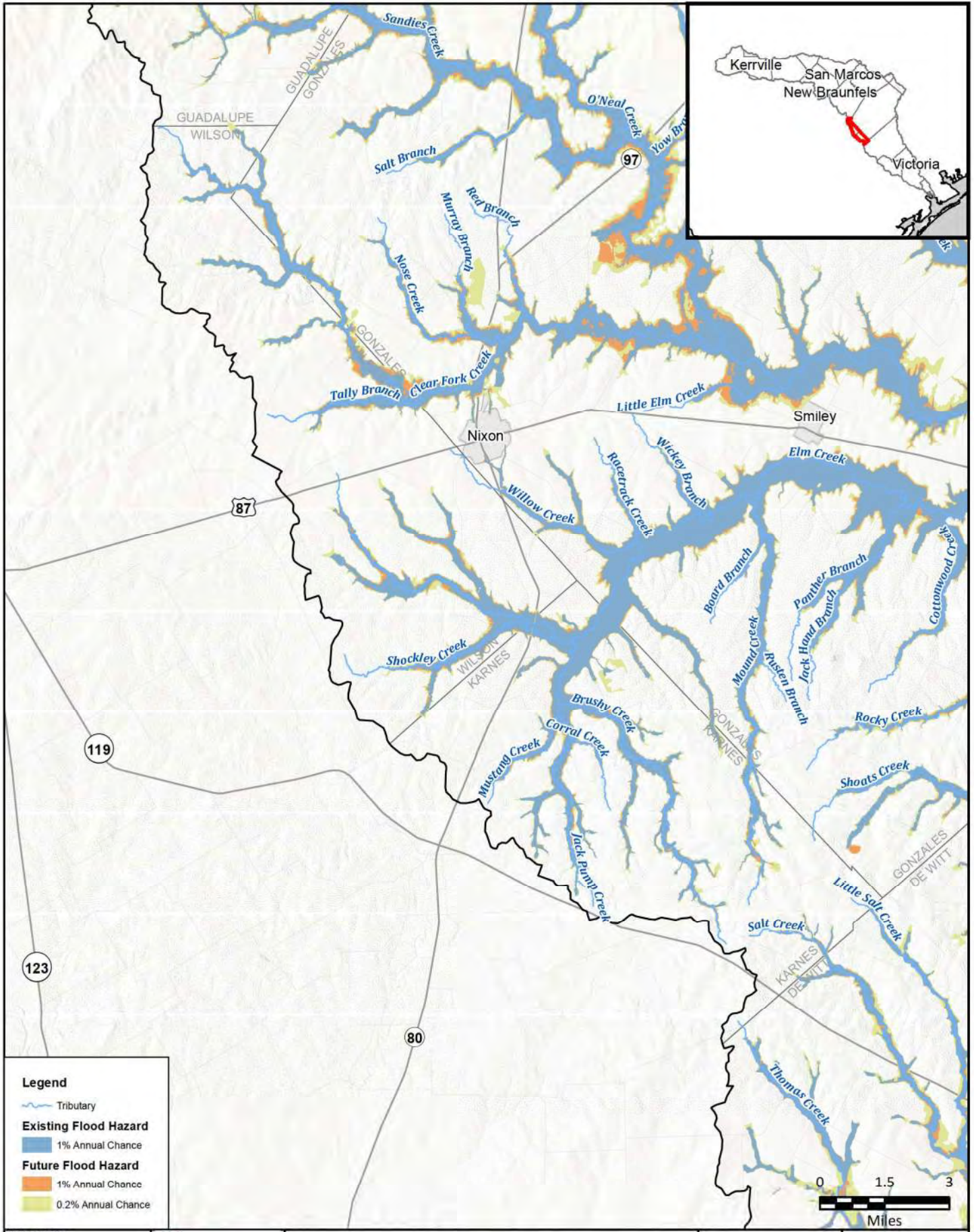
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Region 11: Guadalupe
Map 10 - Future Flood Hazard Increase
Caldwell County



FIGURE
7 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	
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PREPARED BY	02405

REGION 11
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REGULATORY DISTRICT OF TEXAS

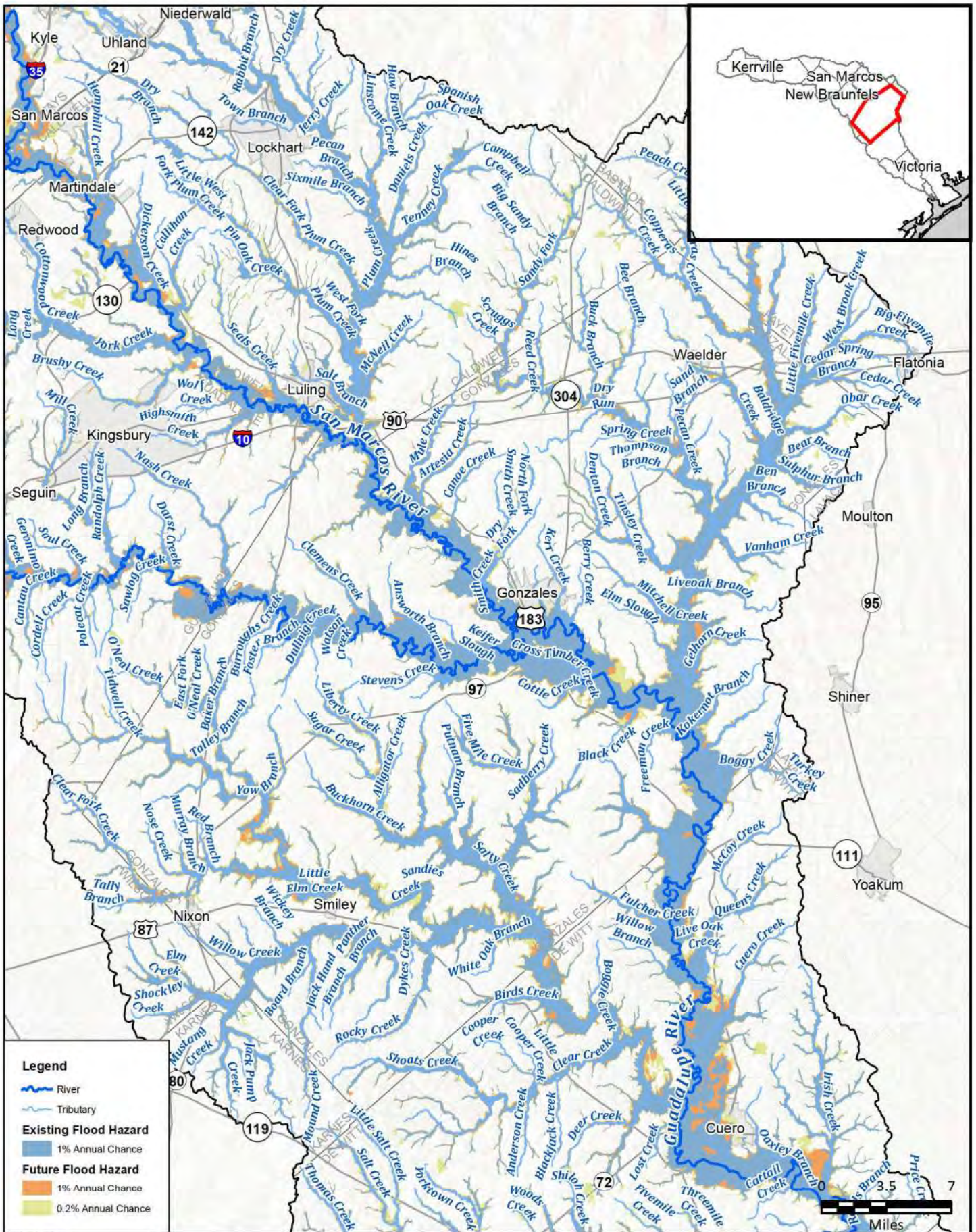
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Region 11: Guadalupe
Map 10 - Future Flood Hazard Increase
Wilson & Karnes Counties



FIGURE
8 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: 10_IncFloodHazardMapbook
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Region 11: Guadalupe
Map 10 - Future Flood Hazard Increase
Gonzales County

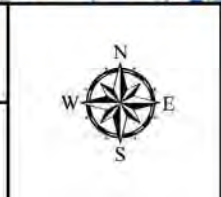
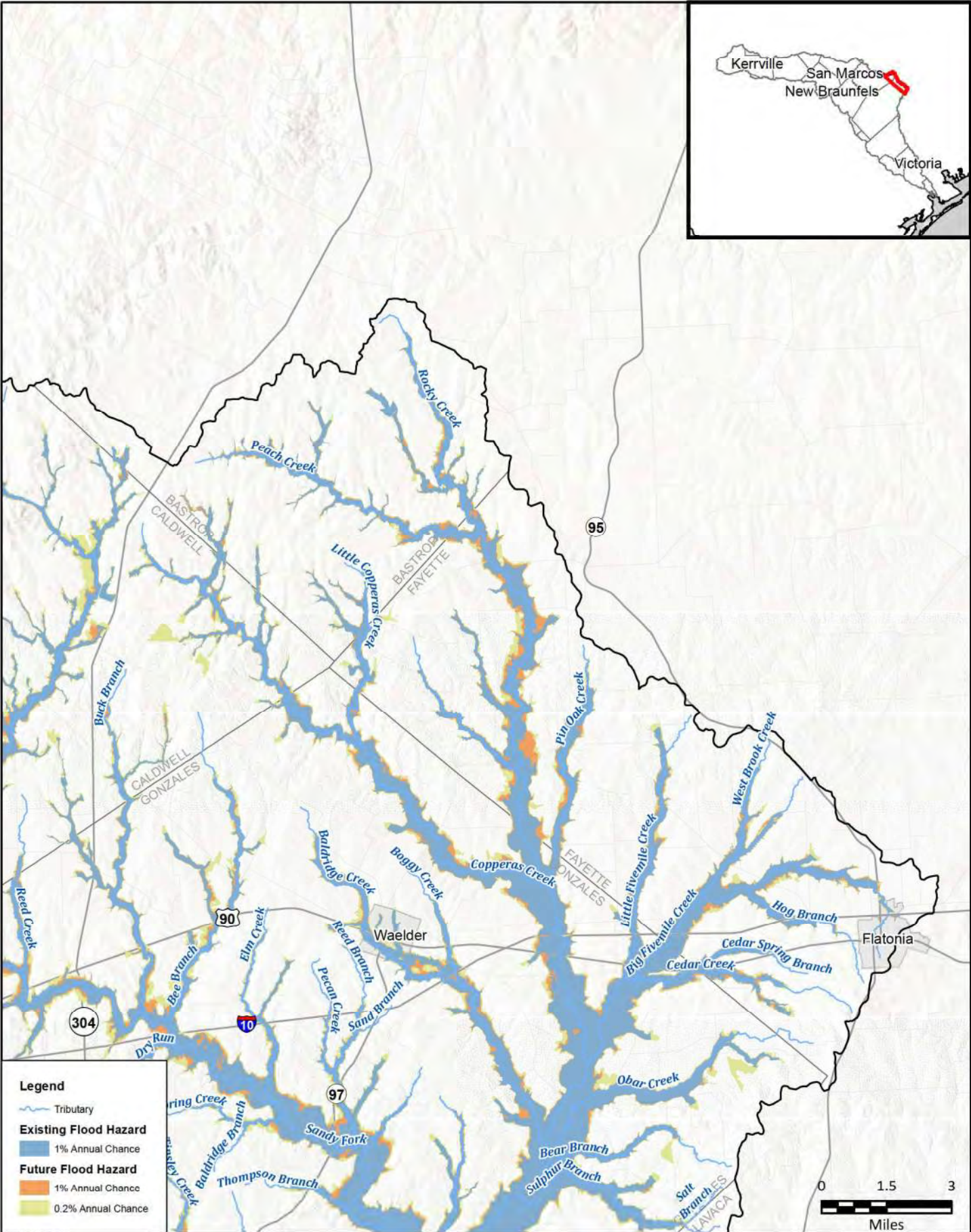
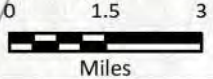


FIGURE
9 of 14



Legend

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



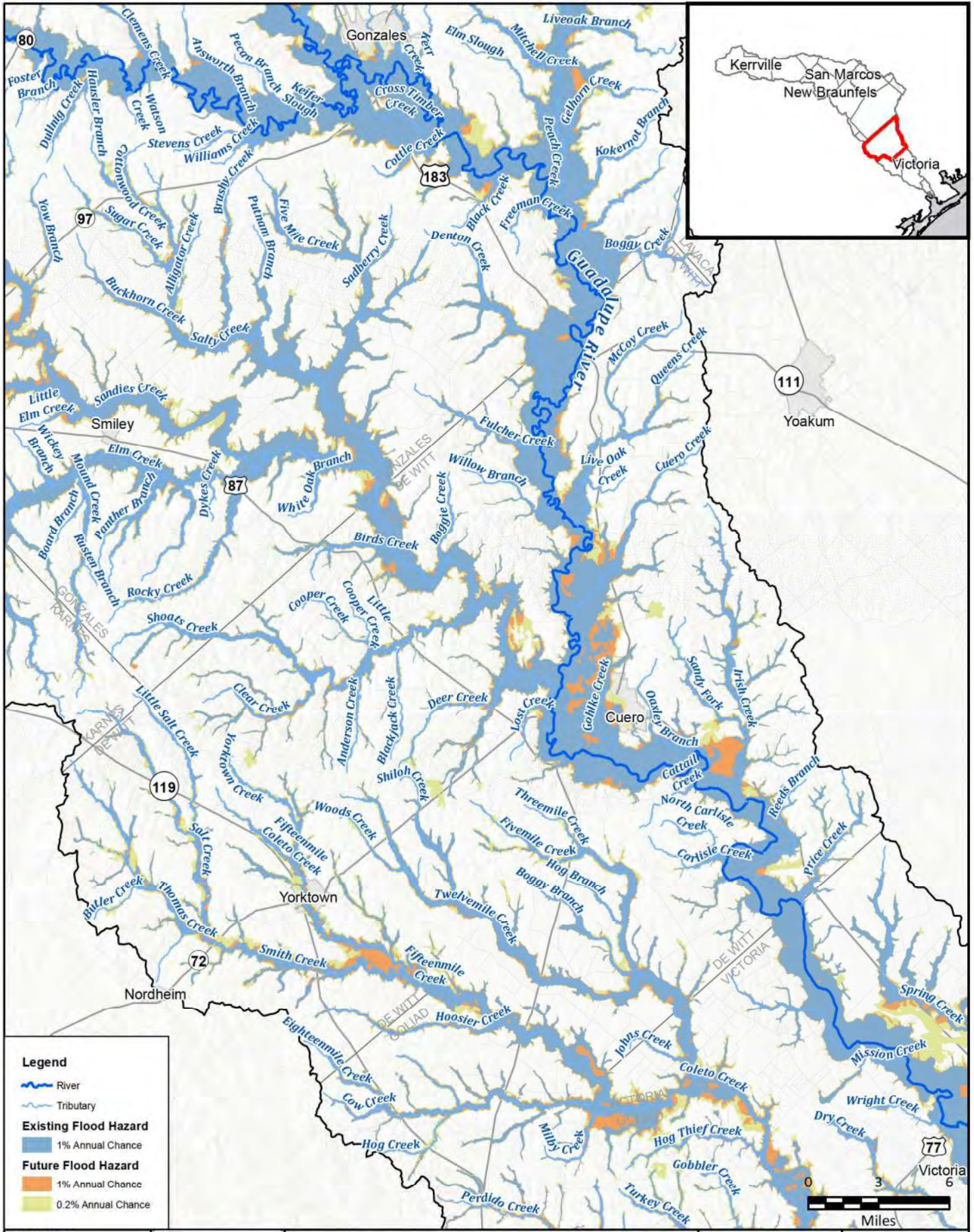
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FILE NAME	Name: 10_IncFloodHazardMapbook
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Region 11: Guadalupe
 Map 10 - Future Flood Hazard Increase
Bastrop & Fayette Counties



FIGURE
 10 of 14



Legend

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

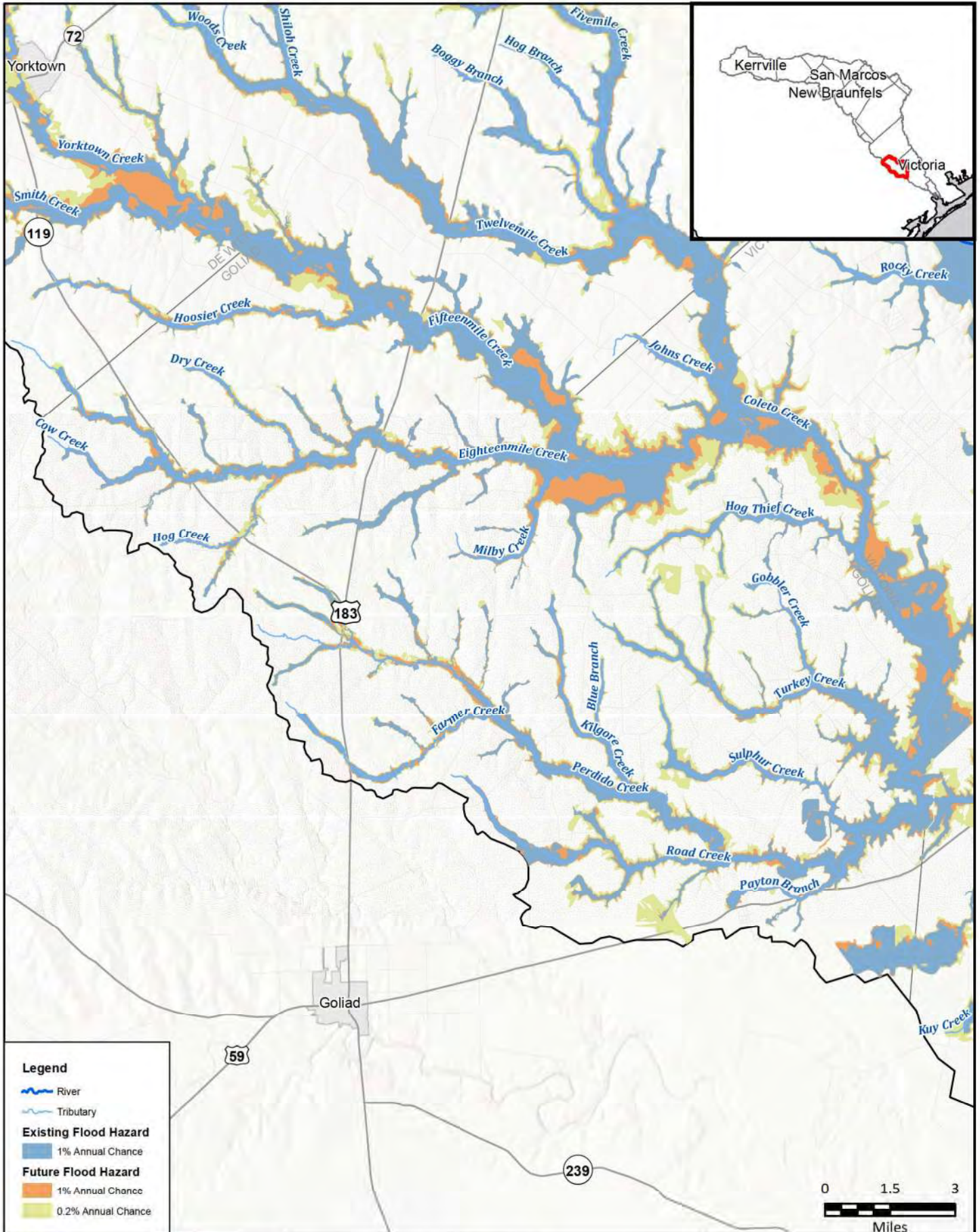
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DATE CREATED	Date: 7/14/2022
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Region 11: Guadalupe
Map 10 - Future Flood Hazard Increase
De Witt County



FIGURE
11 of 14



Legend

- River
- Tributary

Existing Flood Hazard

- 1% Annual Chance

Future Flood Hazard

- 1% Annual Chance
- 0.2% Annual Chance

PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	
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Region 11: Guadalupe
Map 10 - Future Flood Hazard Increase
Goliad County

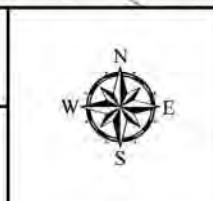
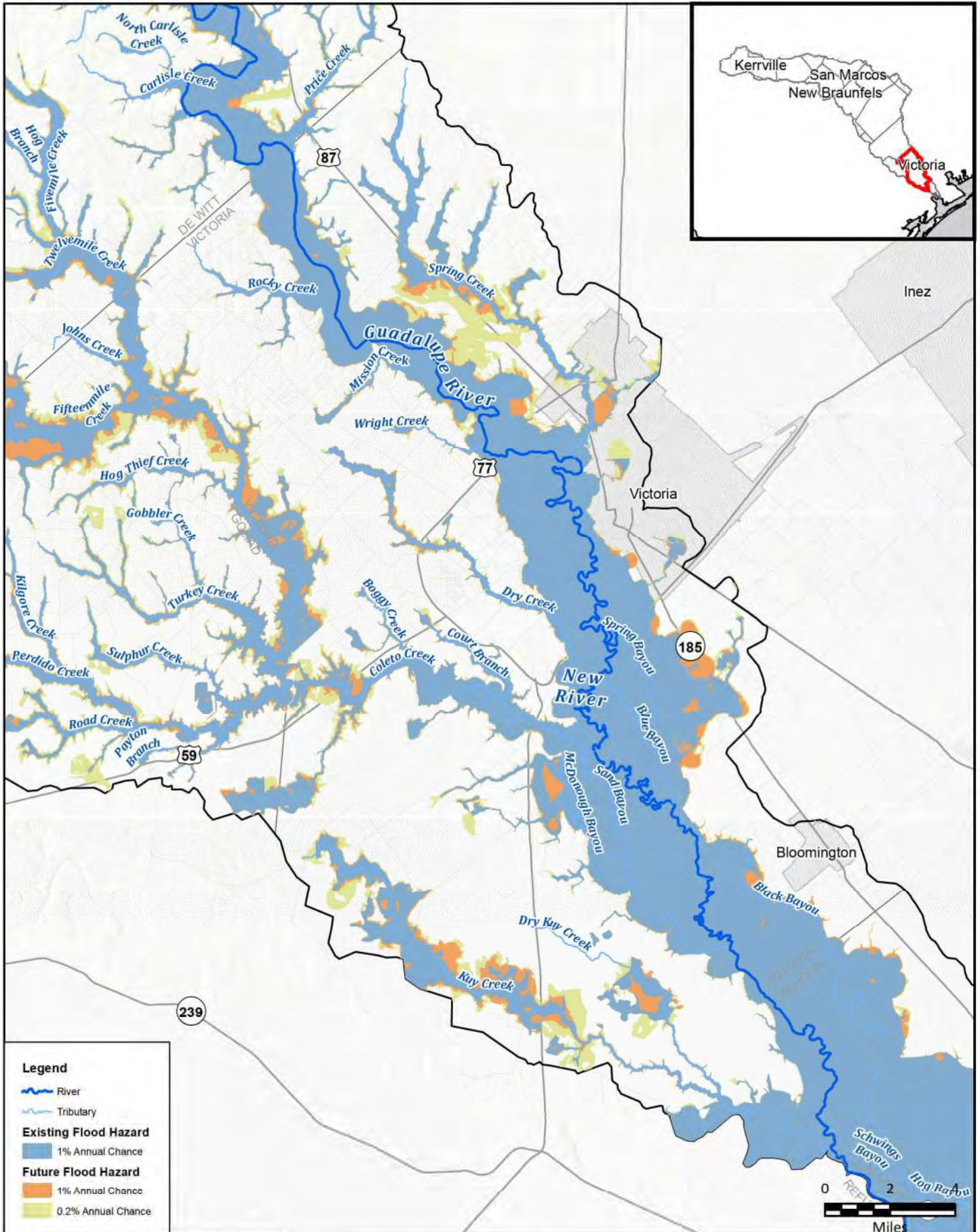


FIGURE
12 of 14



Legend

- River
- Tributary

Existing Flood Hazard

- 1% Annual Chance

Future Flood Hazard

- 1% Annual Chance
- 0.2% Annual Chance

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

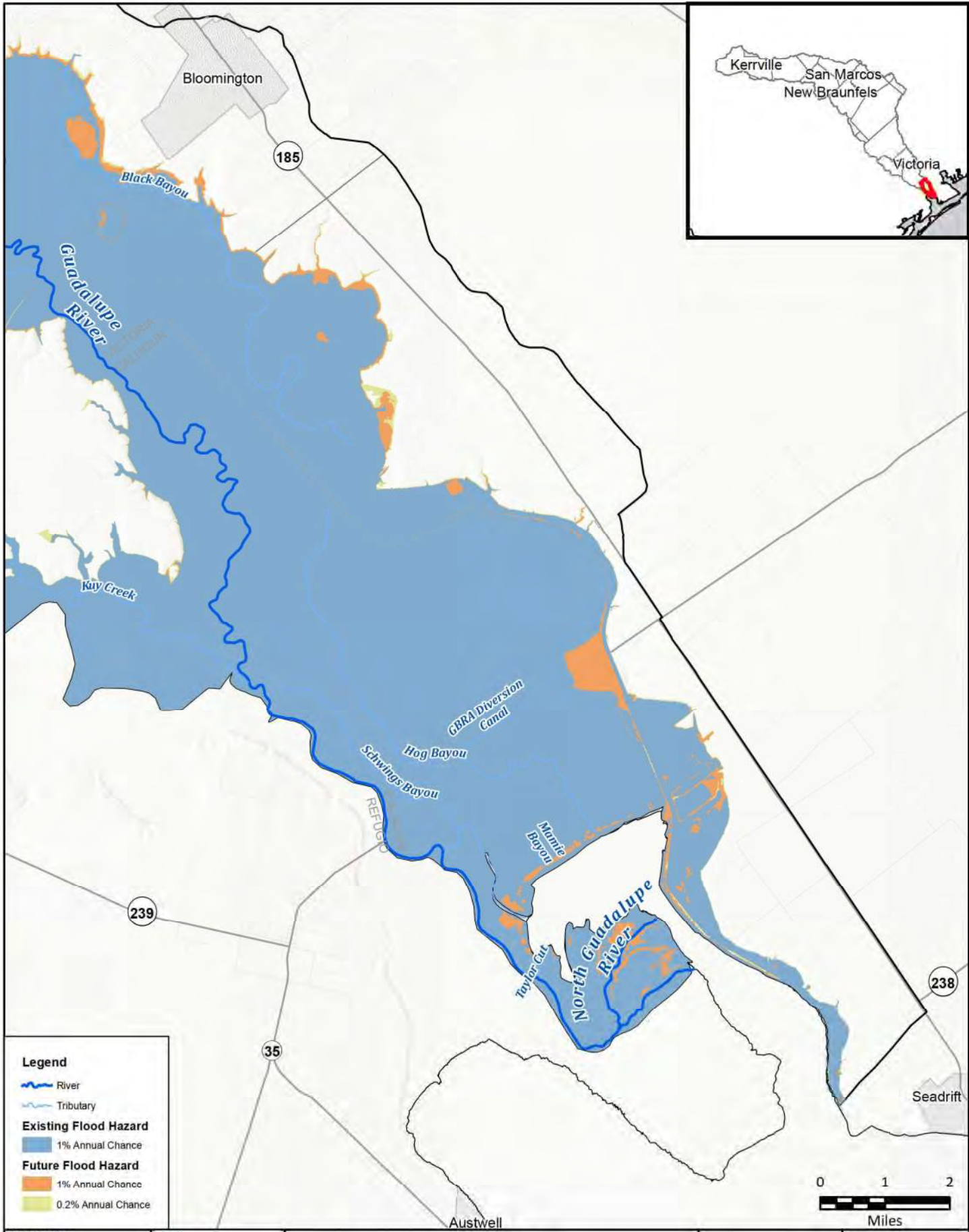
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 BUILDING 5, SUITE 300
 AUSTIN, TEXAS 78759
 OFFICE: (512) 617-3100

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

PROJECT NO.	OBA21362
DATE CREATED	Date: 7/14/2022
DATUM & COORDINATE SYSTEM	
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PREPARED BY	02405

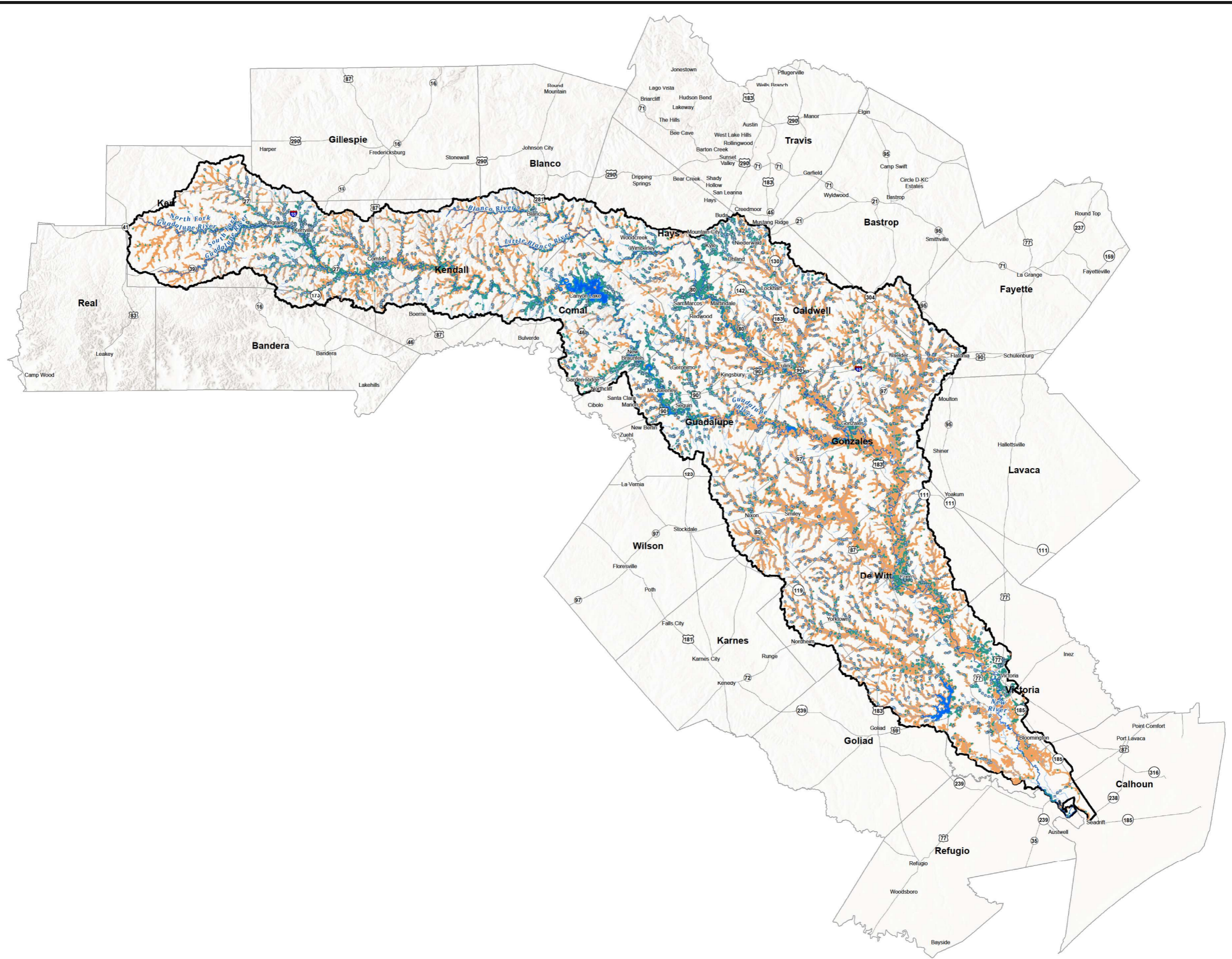
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 10431 MORADO CIRCLE
 BUILDING 5, SUITE 300
 AUSTIN, TEXAS 78759
 OFFICE: (512) 617-3100

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



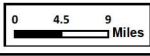
FIGURE
 14 of 14

Map 11: Future Condition Flood Exposure



Legend

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

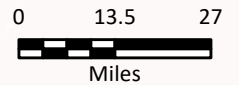
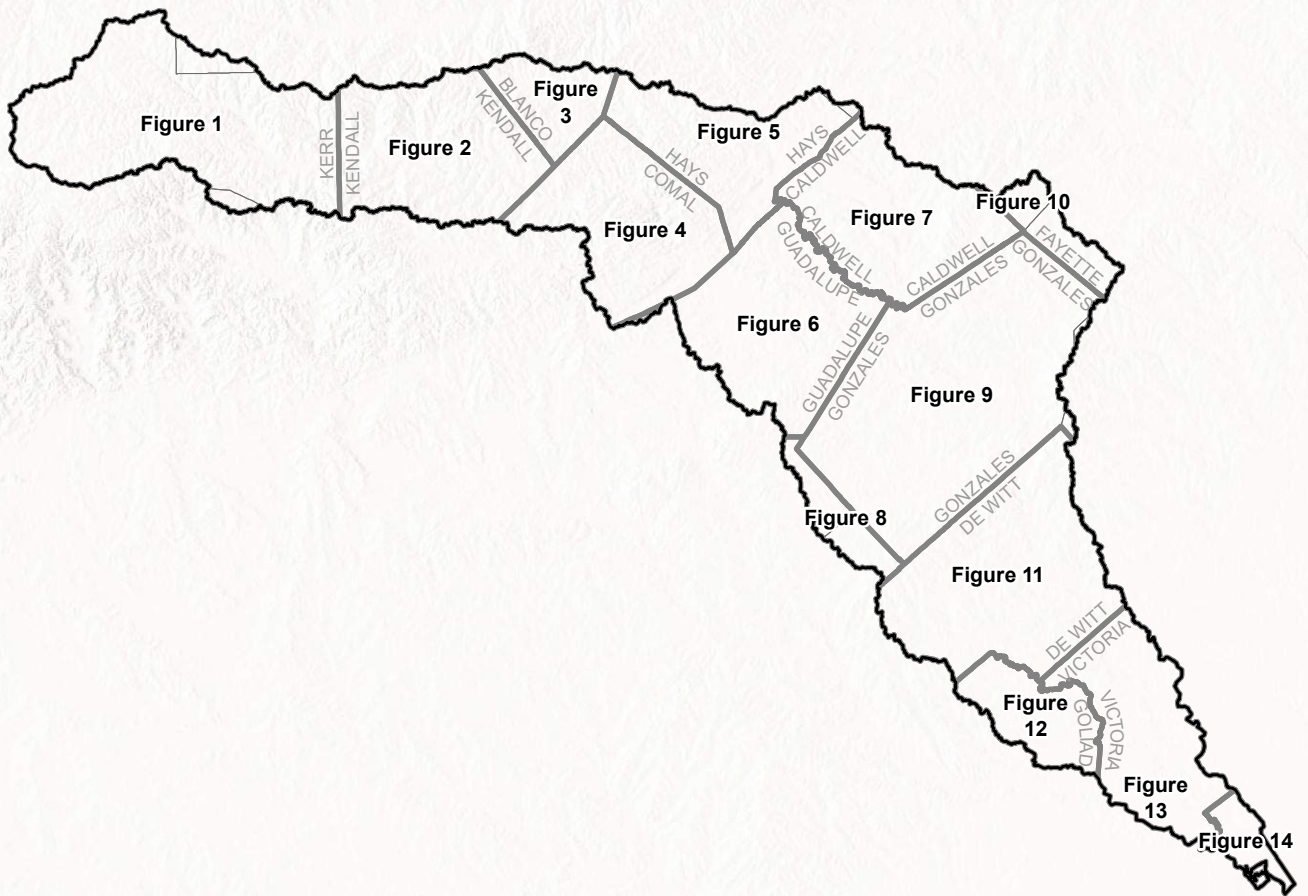


Freese and Nichols, Inc.
 Office: (512) 617-3100

Map 11 Region - Future Condition Flood Exposure

Region 11: Guadalupe

PROJECT NO	GRA21362	Map
FILE	FutureFloodExpRegion	
DATE	12/25/2022	11
SCALE	1 in = 9 miles	
DRAFTED	02405	



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 1/5/2023
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExp_Index
PREPARED BY	02405


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 AUSTIN, TEXAS 78759
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Region 11: Guadalupe
 Map 11 Index - Future Condition Flood Exposure
Index Map

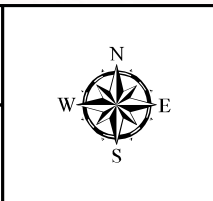
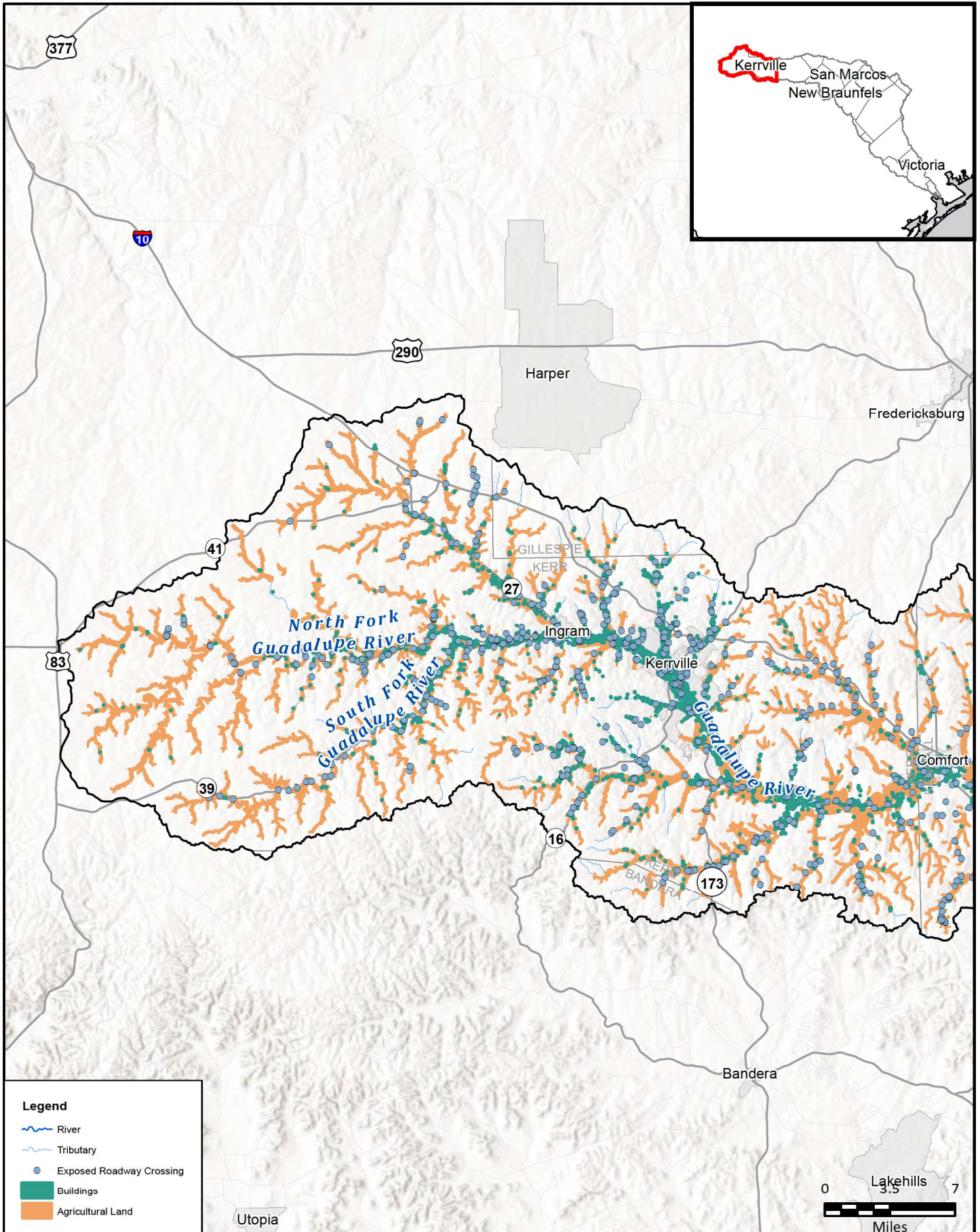


FIGURE
Index



Legend

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



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
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REGIONAL FLOOD PLANNING GROUP

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

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

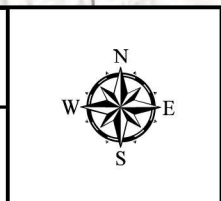
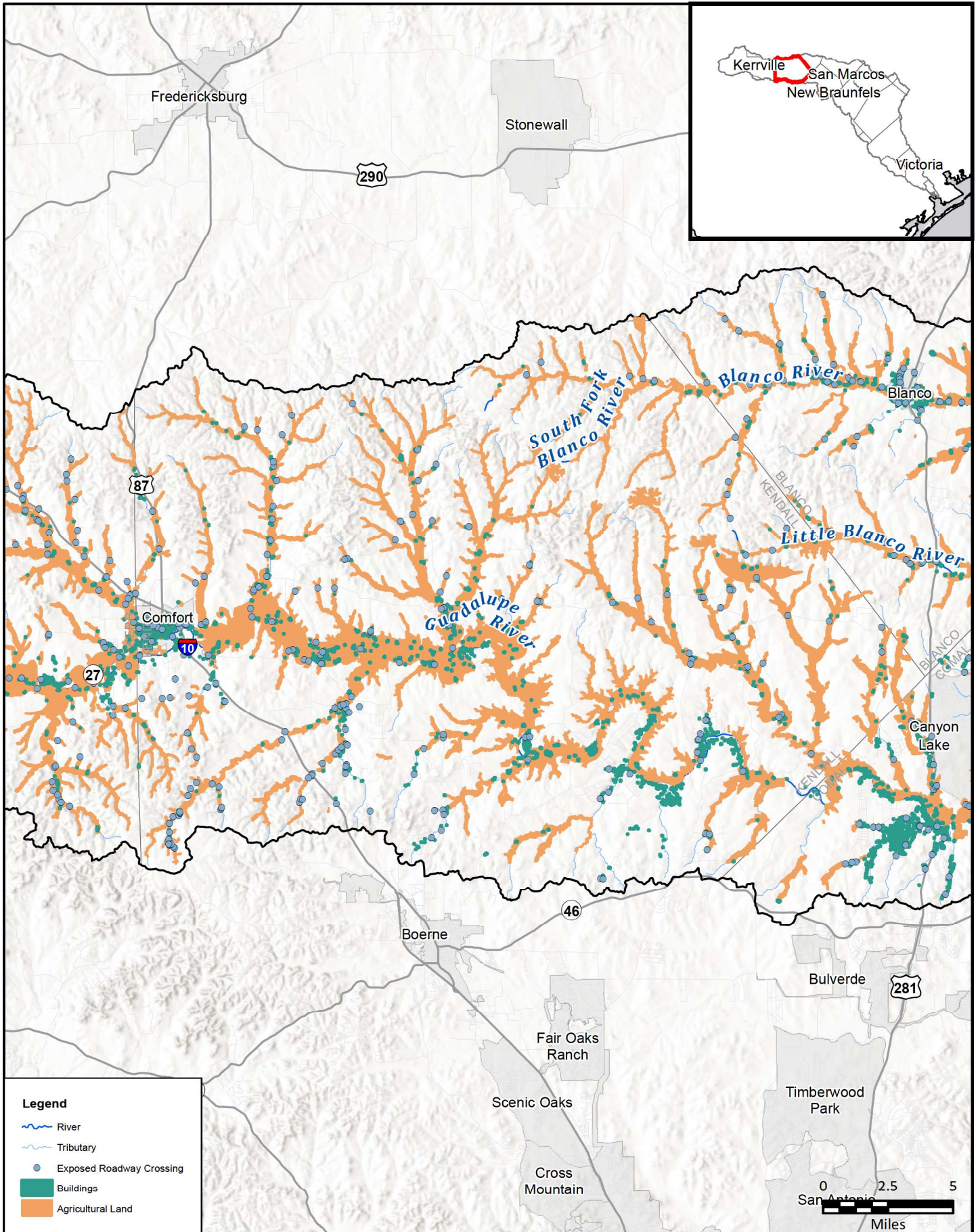


FIGURE
1 of 14



Legend

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

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
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AUSTIN, TEXAS 78759
OFFICE: (512) 617-3100

Region 11: Guadalupe

Map 11 - Future Condition Flood Exposure

Kendall County

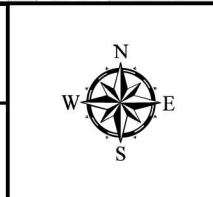
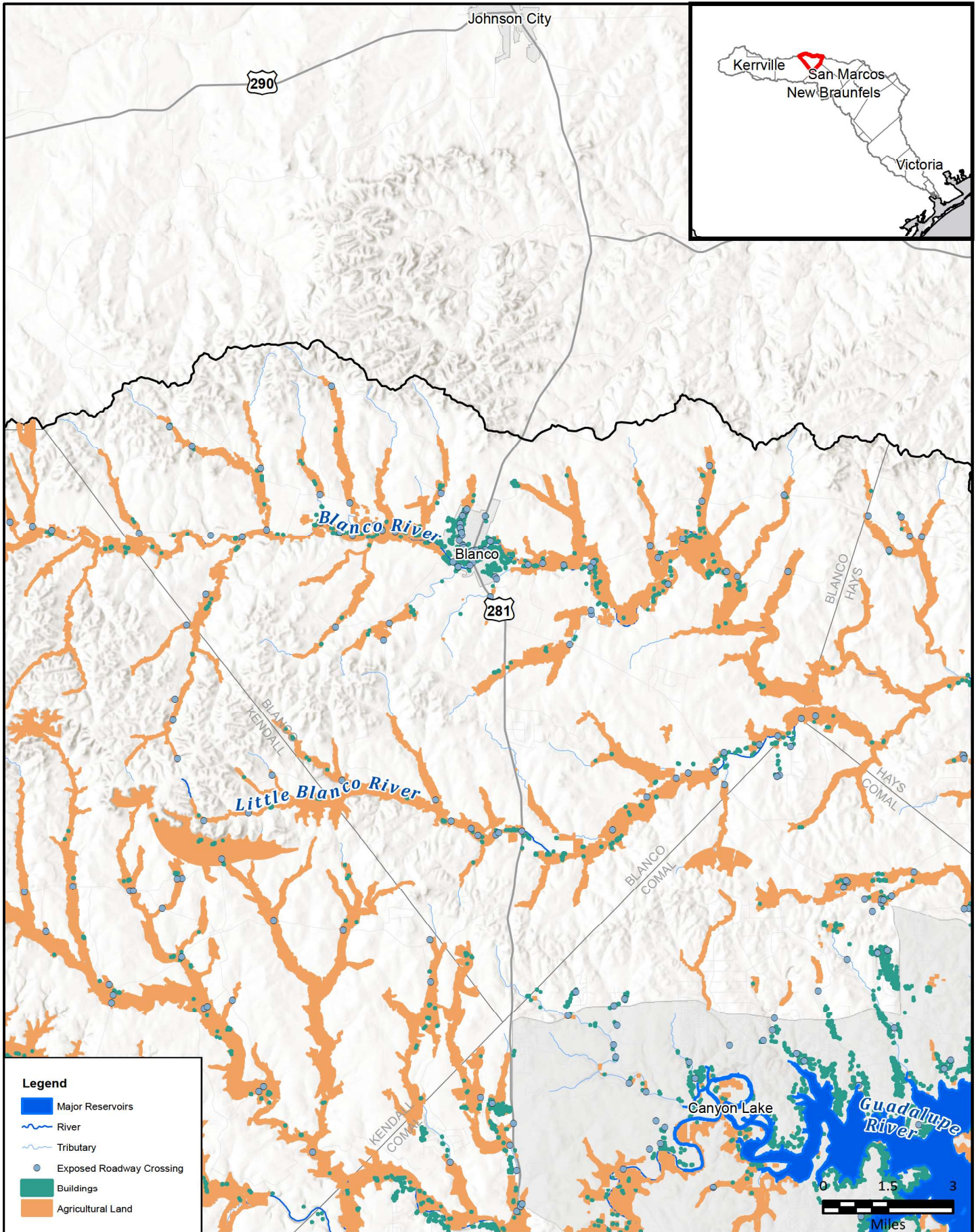


FIGURE
2 of 14



Legend

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

FN PROJECT NO.	GBA21362
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DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
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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
Blanco County

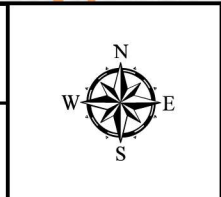
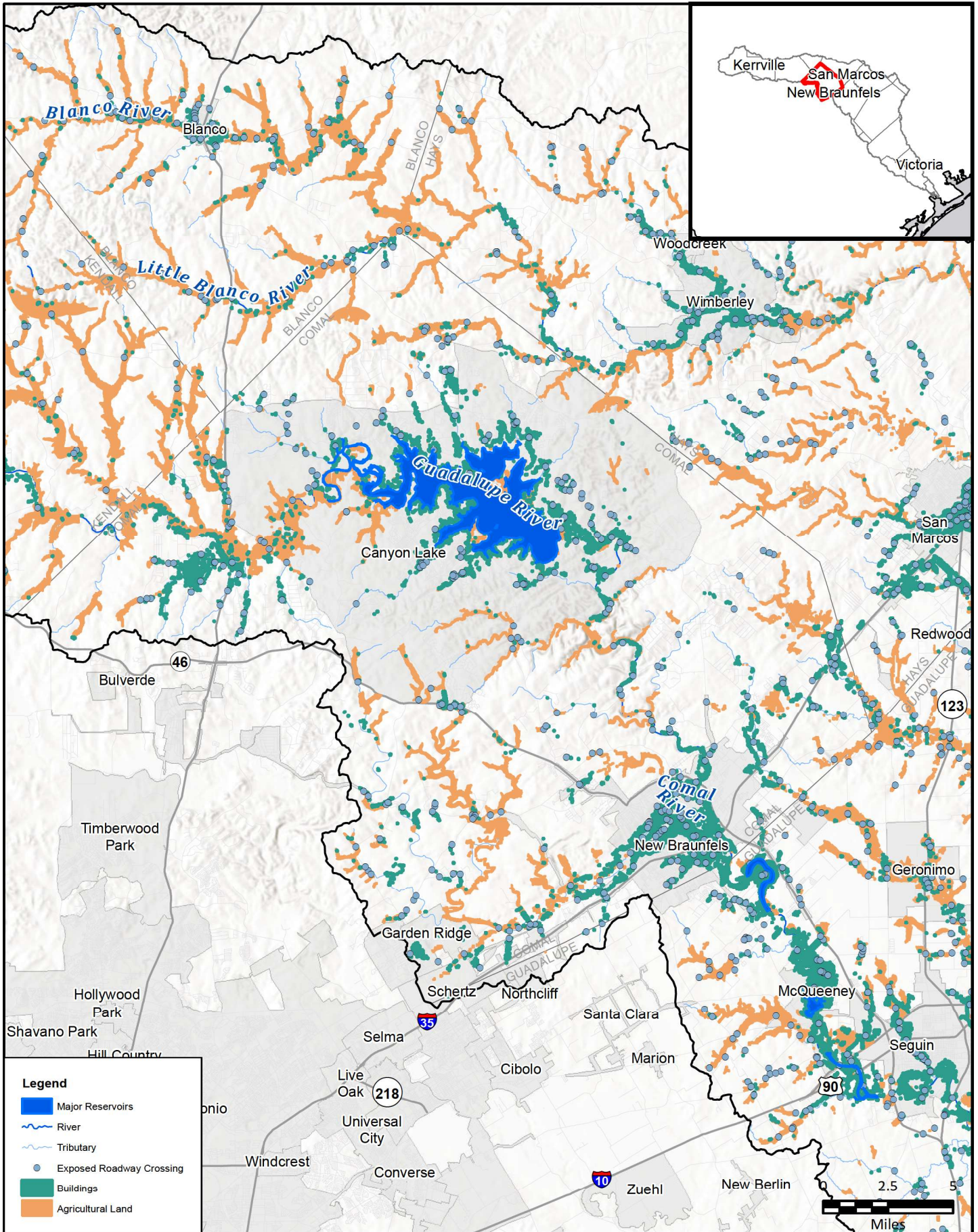


FIGURE
3 of 14



Legend

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

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
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 11 - Future Condition Flood Exposure
Comal County

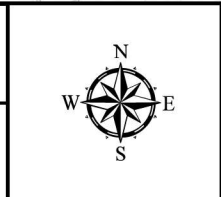
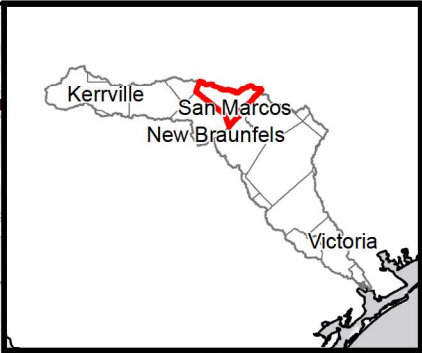
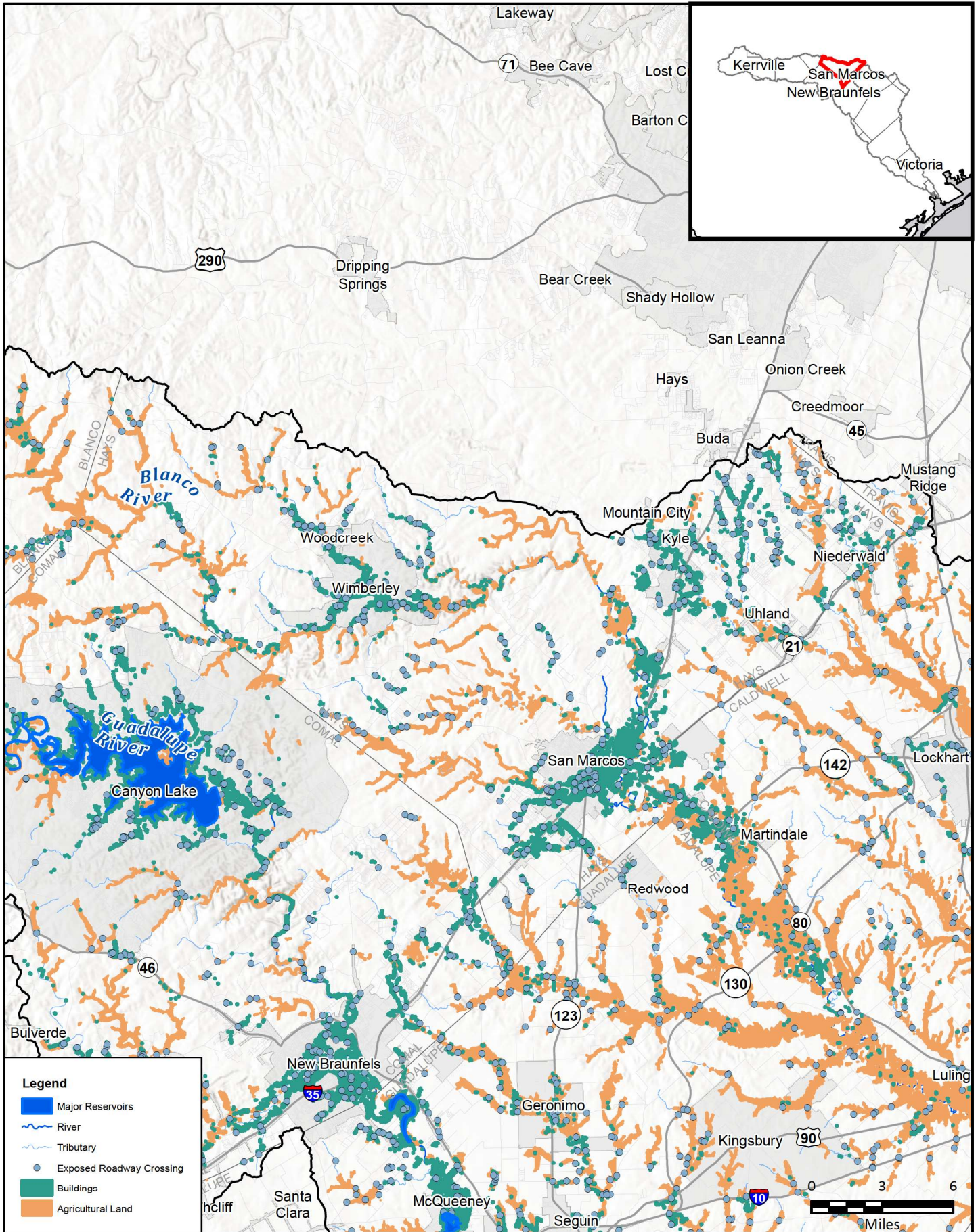


FIGURE
4 of 14



Legend

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

FN PROJECT NO.	GBA21362
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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
Hays County

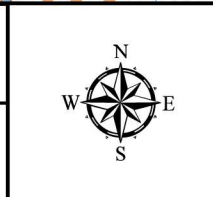
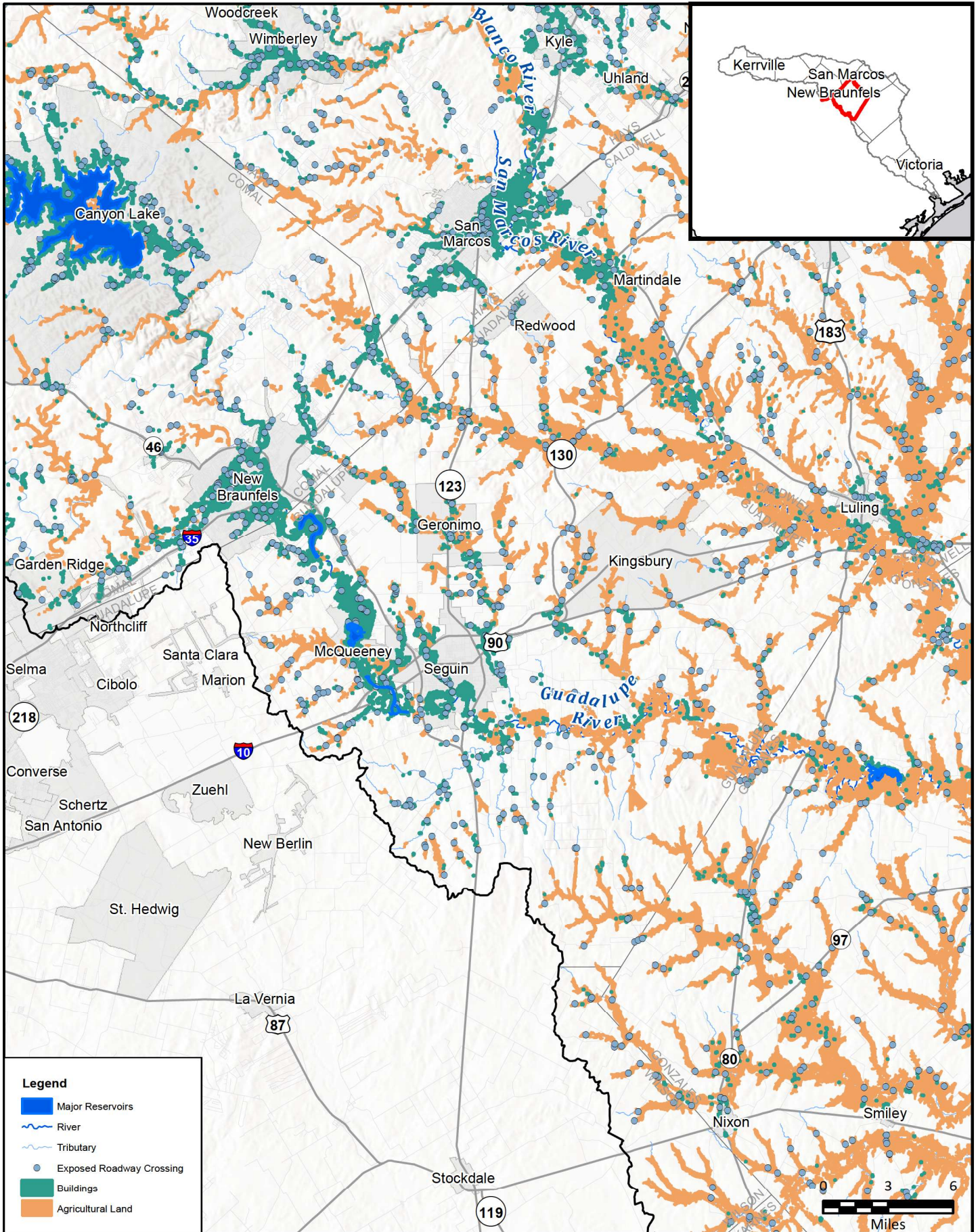


FIGURE
5 of 14



Legend

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

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
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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 11 - Future Condition Flood Exposure
Guadalupe County

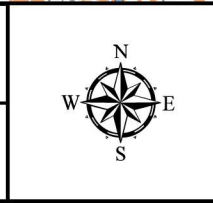
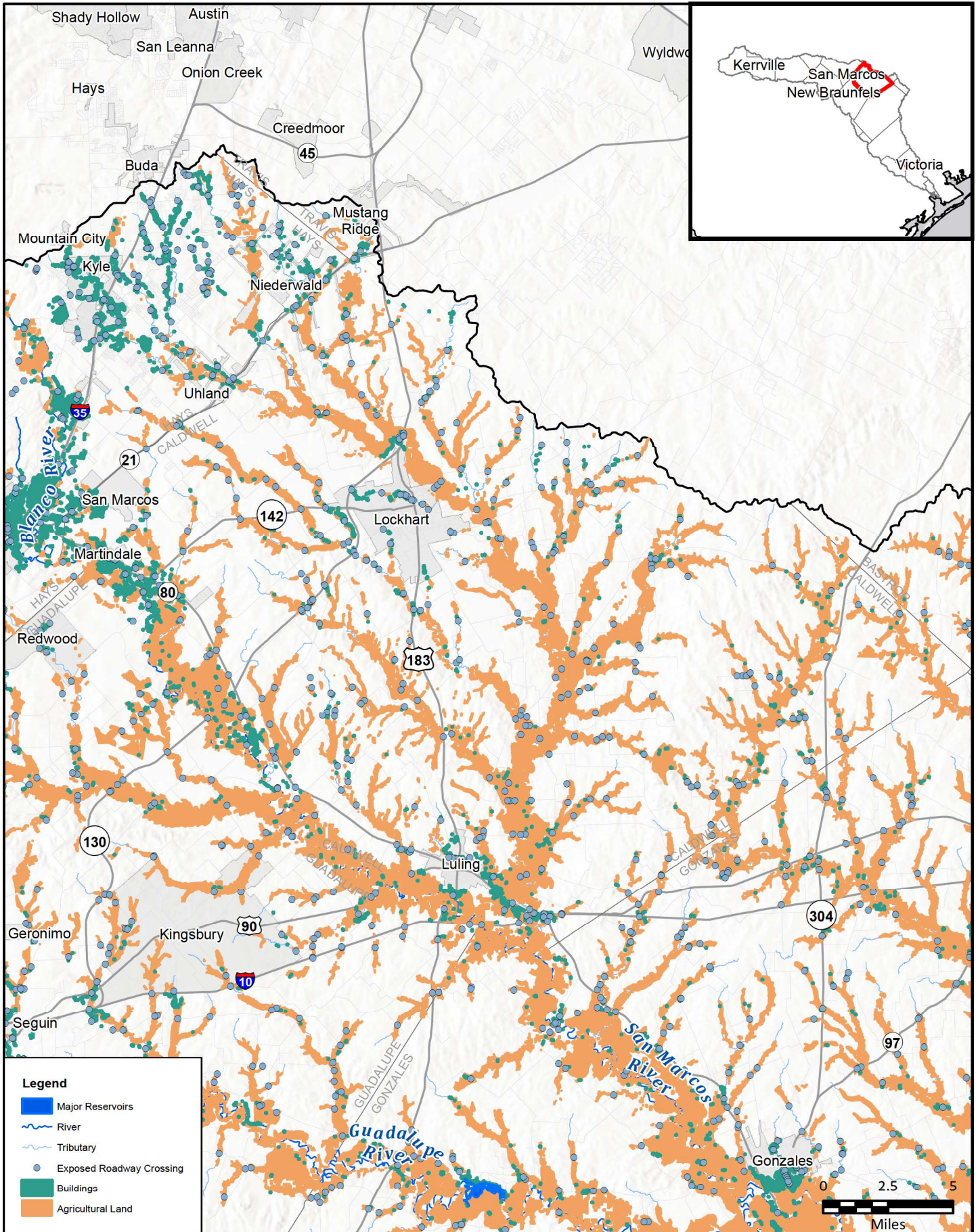


FIGURE
6 of 14



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
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FRESE AND NICHOLS, INC.
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BUILDING 5, SUITE 300
AUSTIN, TEXAS 78759
OFFICE: (512) 617-3100

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

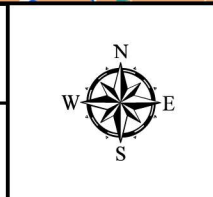
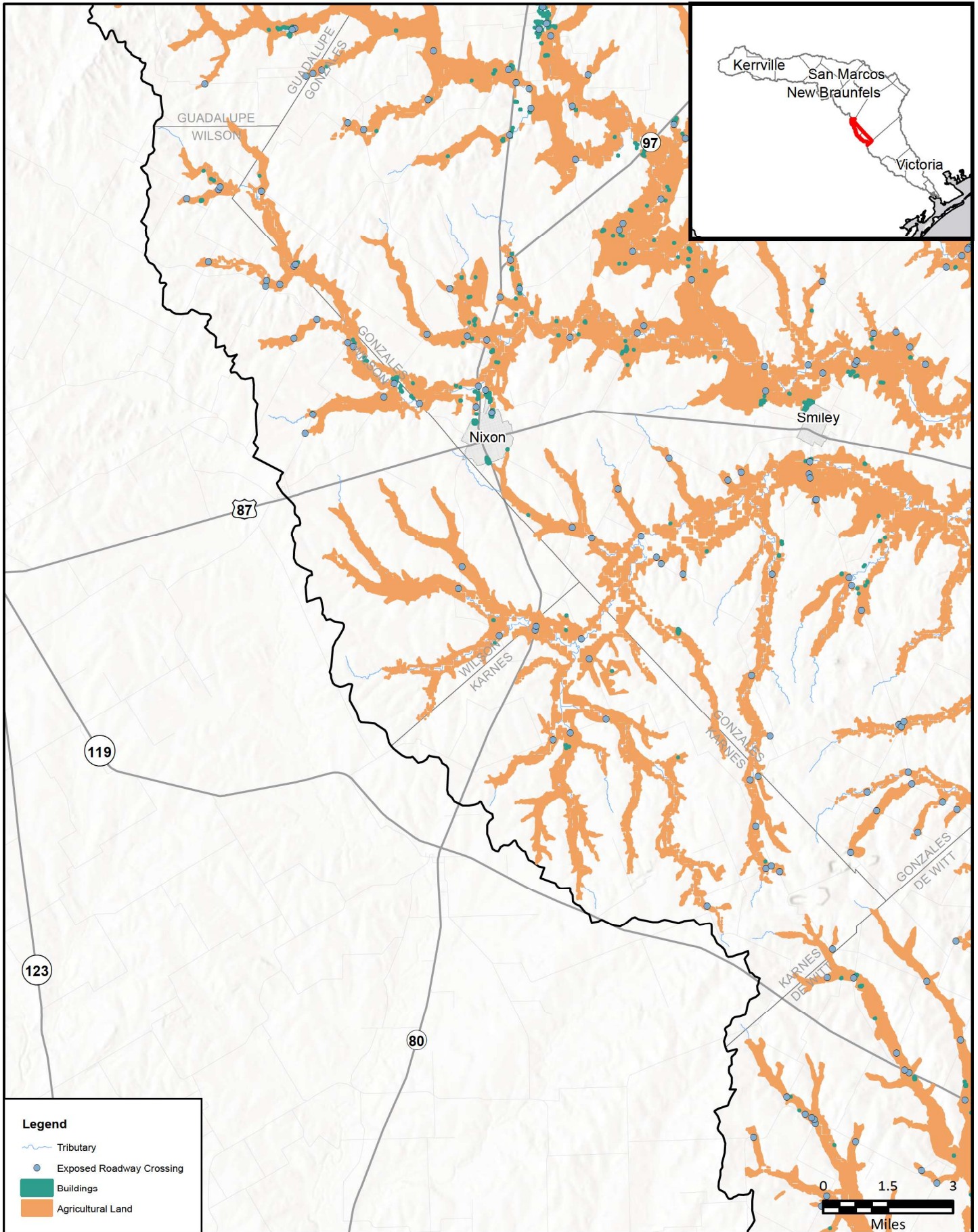
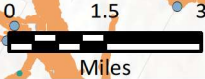


FIGURE
7 of 14



Legend

- Tributary
- Exposed Roadway Crossing
- Buildings
- Agricultural Land



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
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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
Wilson & Karnes Counties

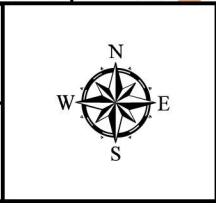
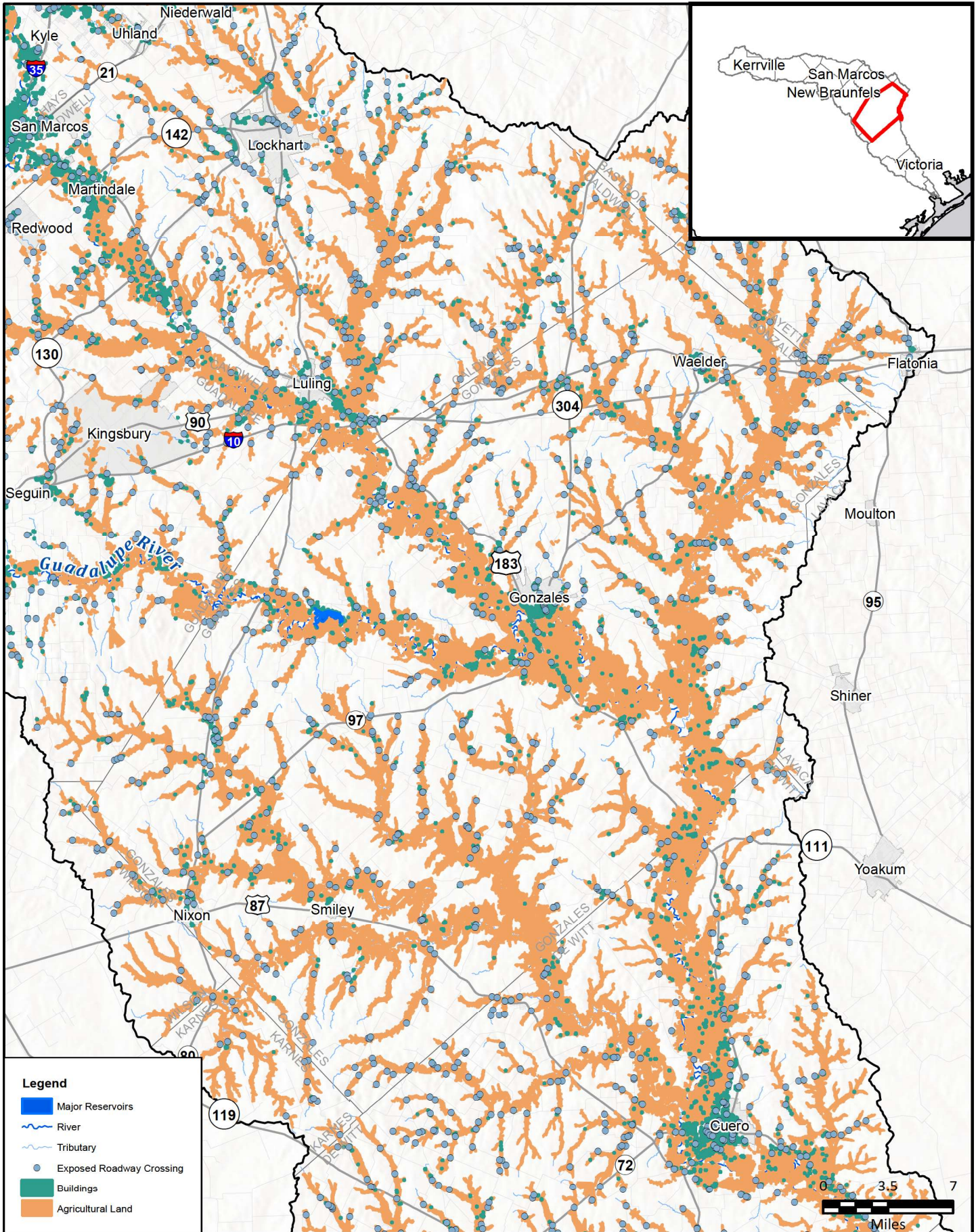


FIGURE
8 of 14



Legend

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

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
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 11 - Future Condition Flood Exposure
Gonzales County

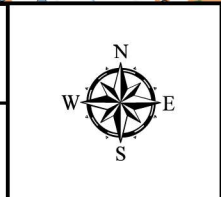
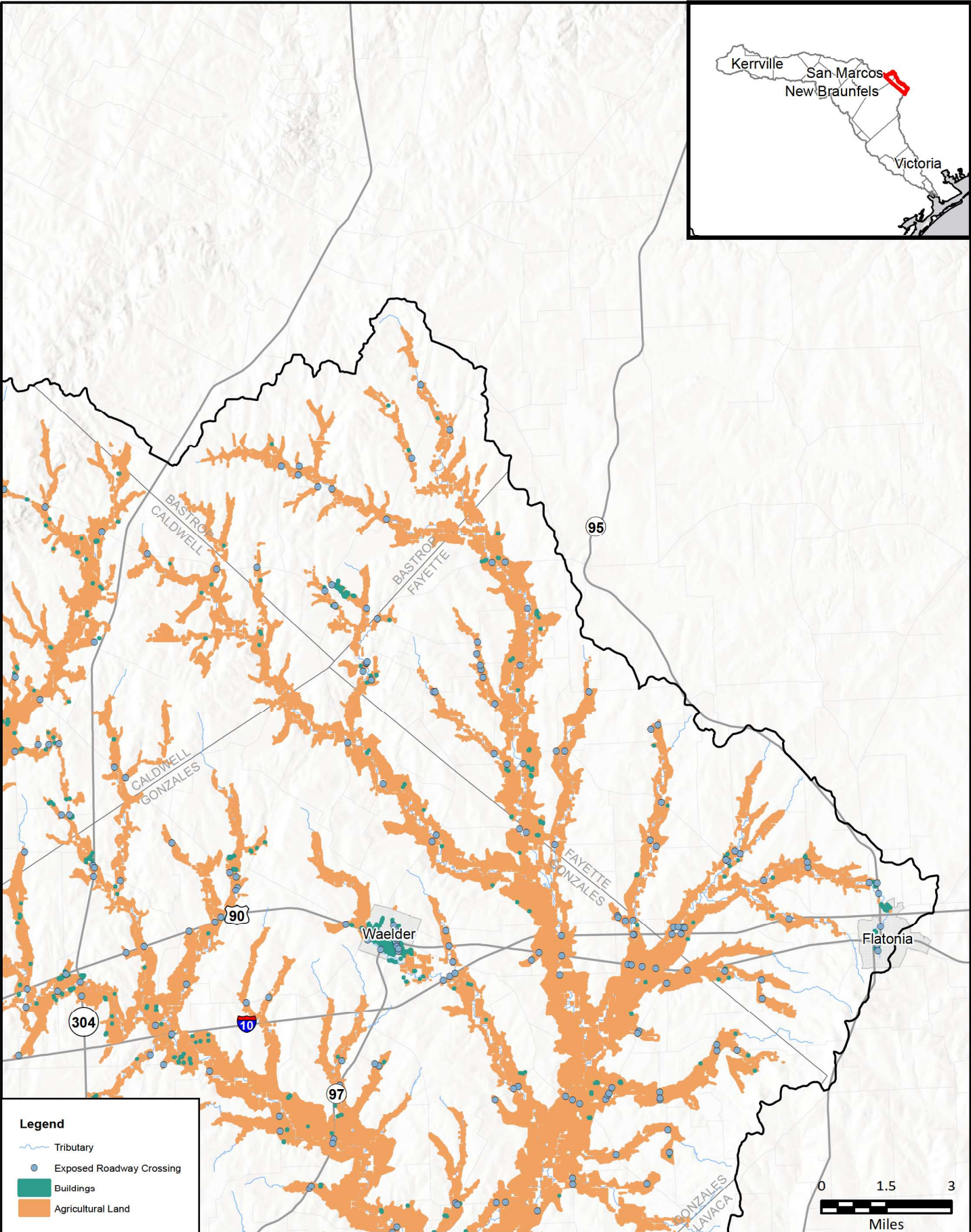
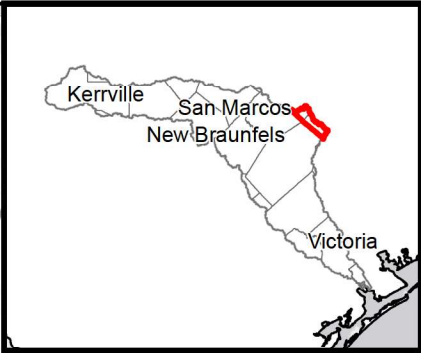
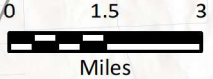


FIGURE
9 of 14



Legend

- Tributary
- Exposed Roadway Crossing
- Buildings
- Agricultural Land



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
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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
Bastrop & Fayette Counties

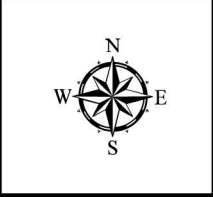
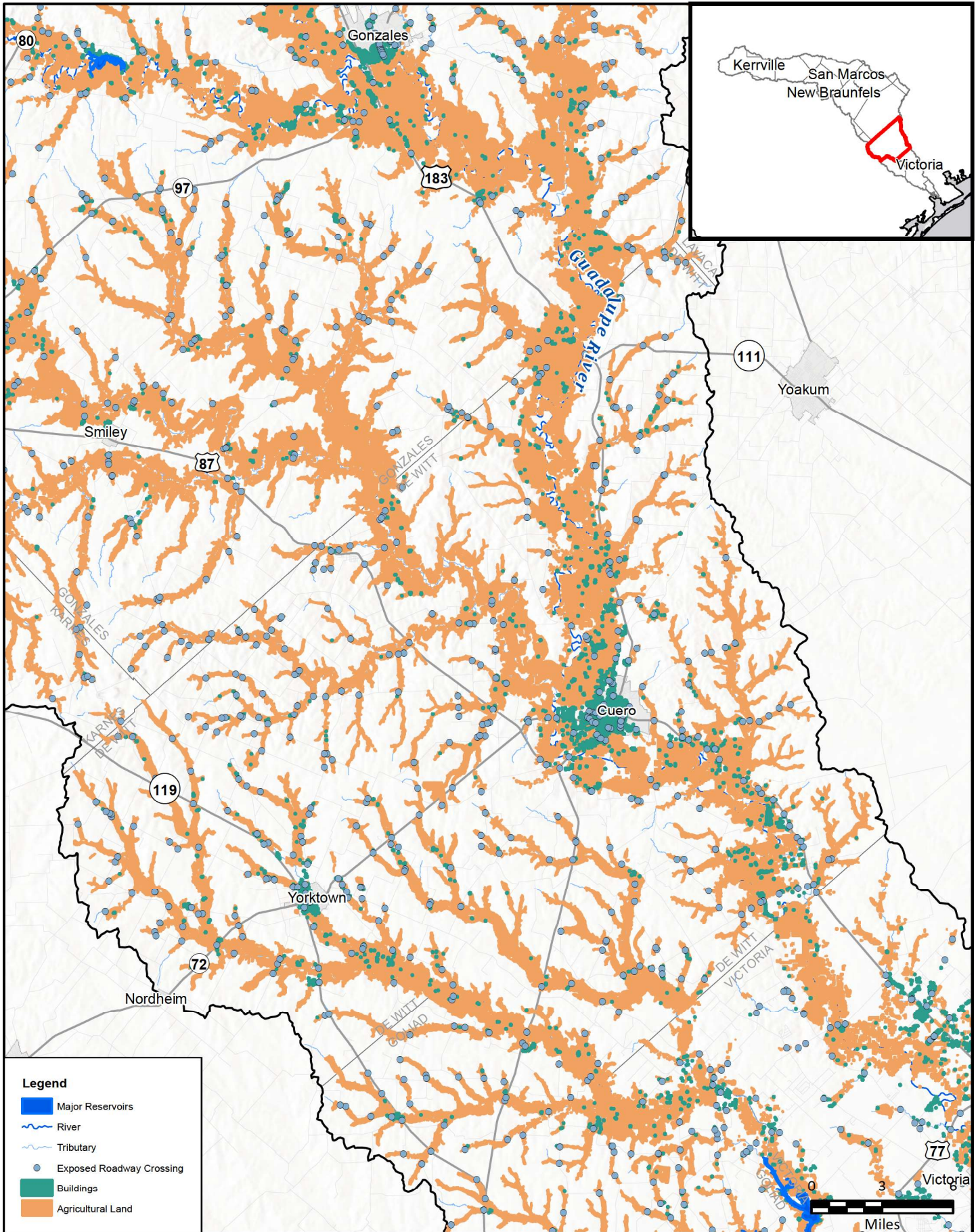


FIGURE
10 of 14



FN PROJECT NO.	GBA21362
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DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
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 BUILDING 5, SUITE 300
 AUSTIN, TEXAS 78759
 OFFICE: (512) 617-3100

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

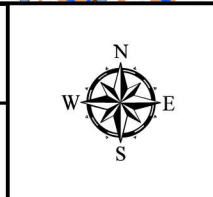
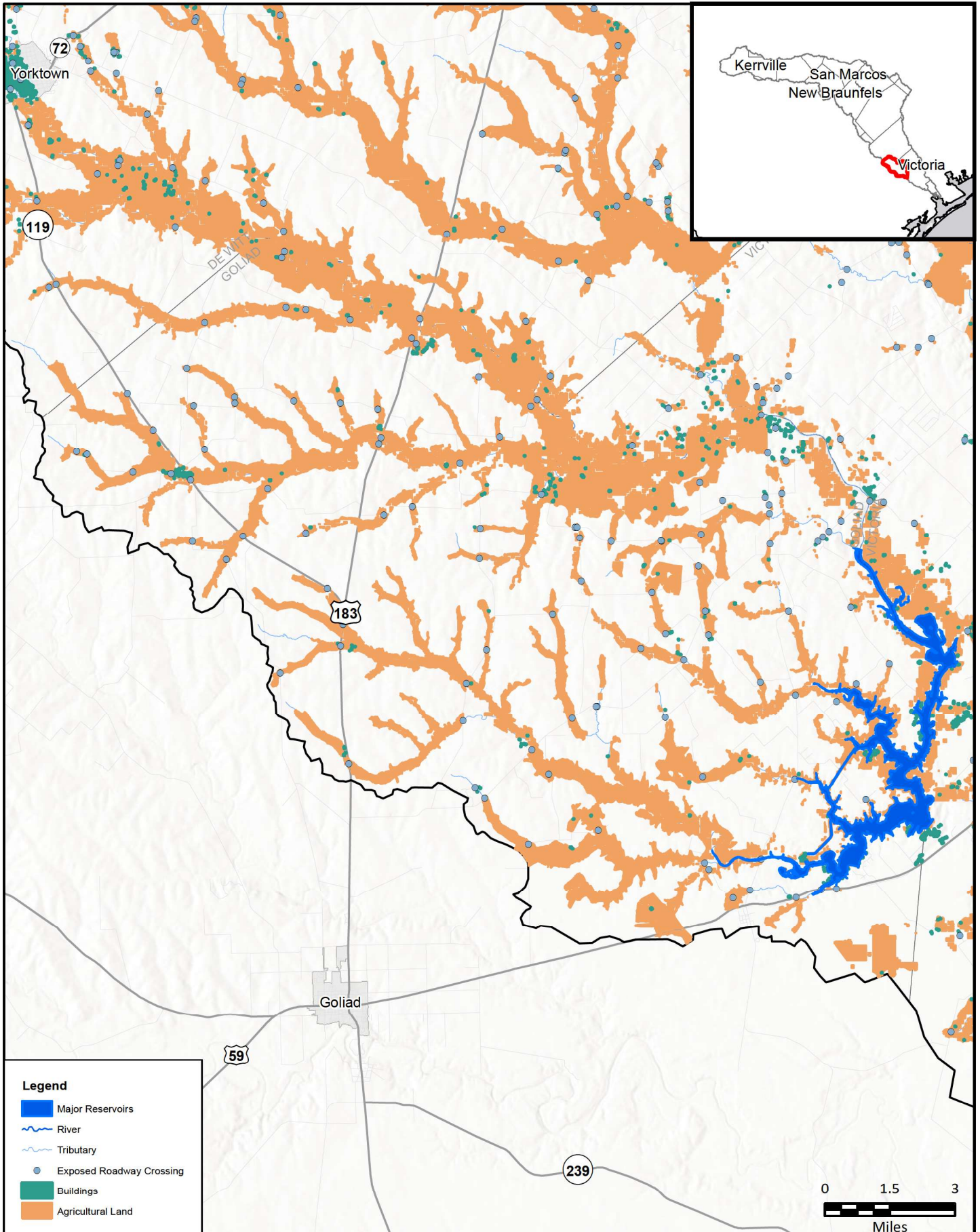
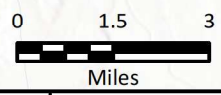


FIGURE
11 of 14



Legend

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



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 11_FutureFloodExpMapbook
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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
Goliad County

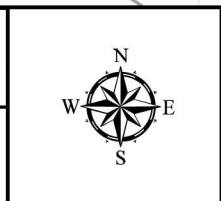
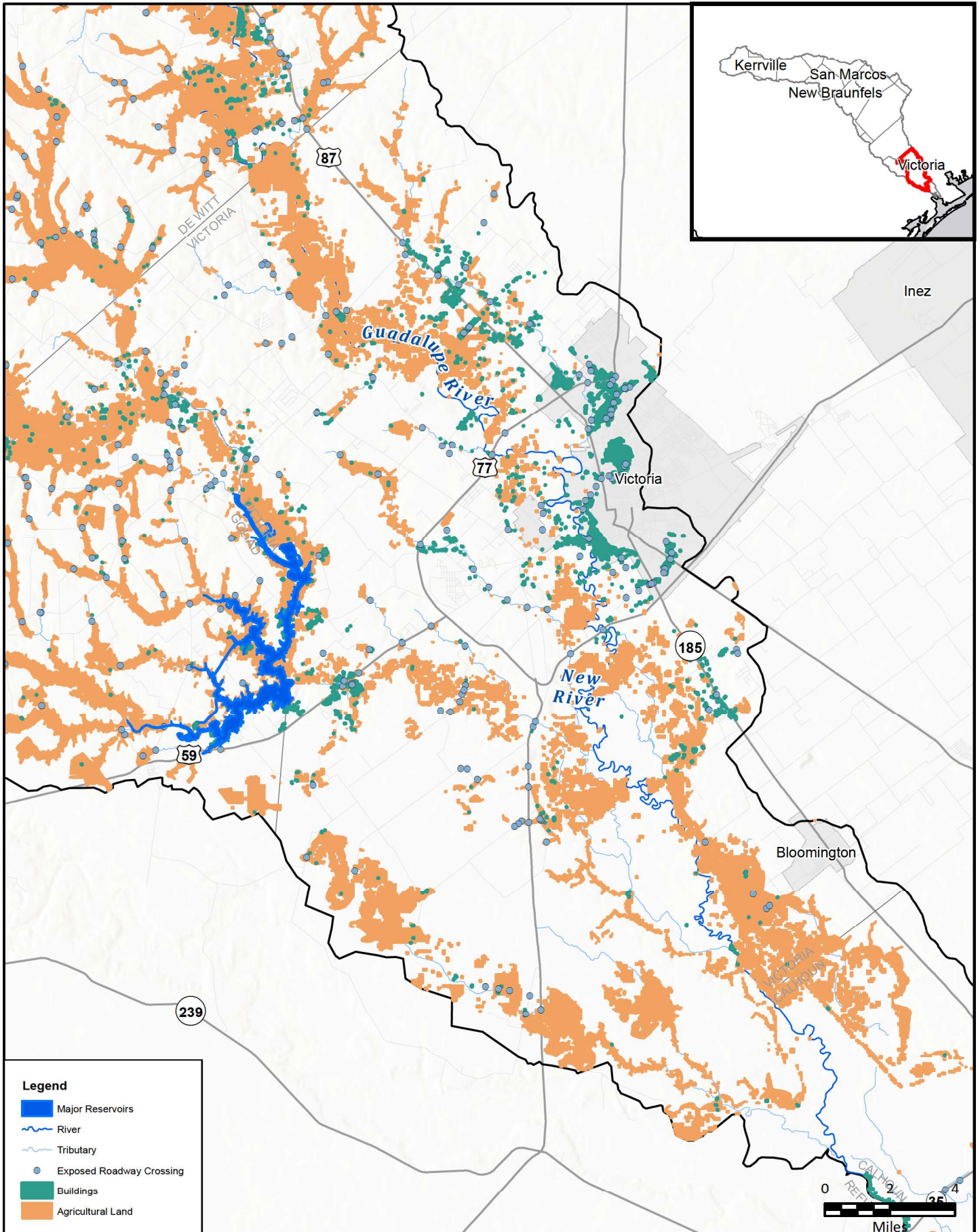


FIGURE
12 of 14



Legend

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

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

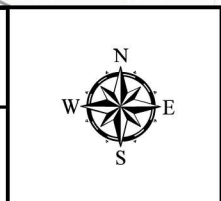
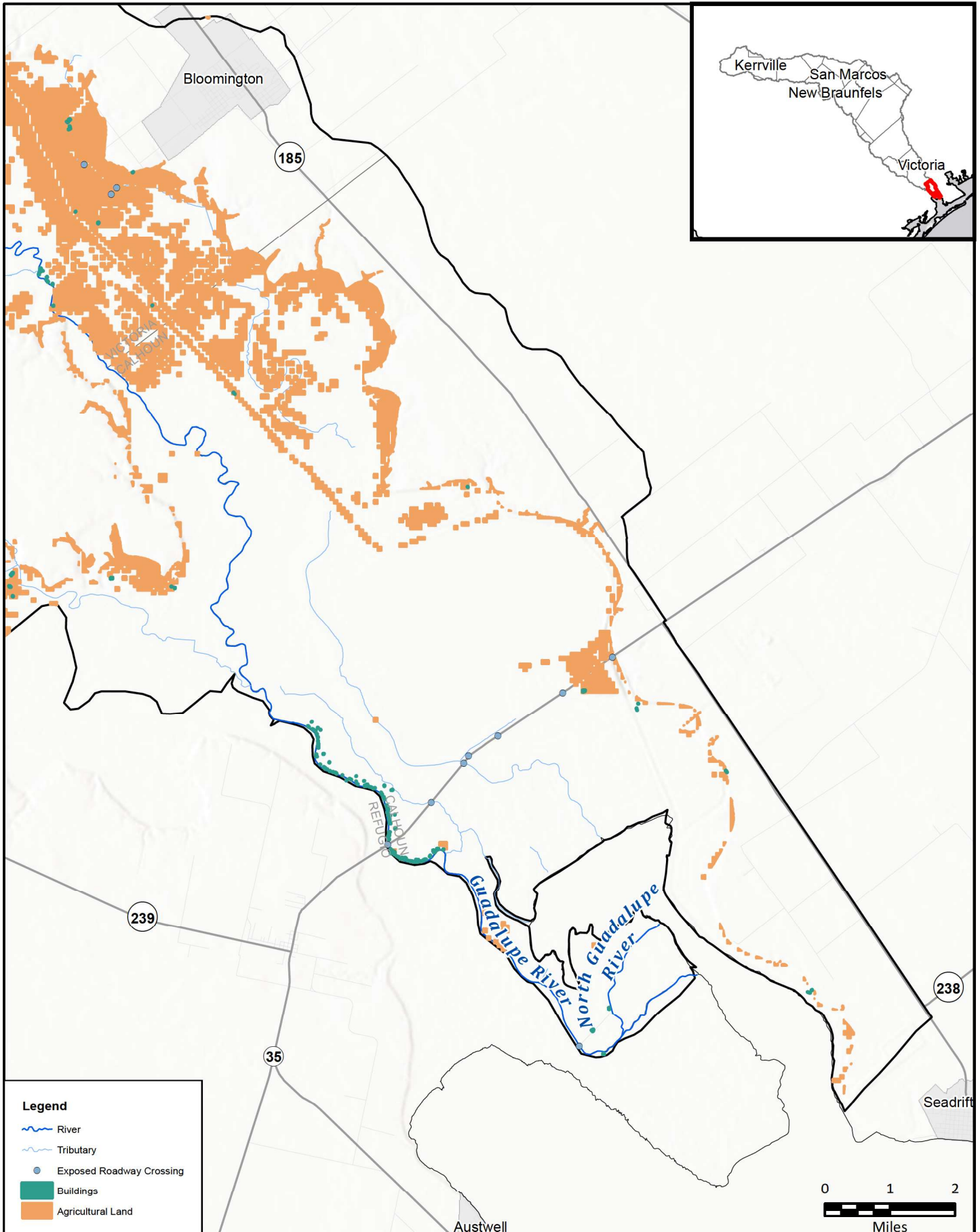


FIGURE
13 of 14



Legend

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

FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	
NAD 1983 2011 Texas Centric Mapping System Lambert	
FILE NAME	Name: 11_FutureFloodExpMapbook
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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

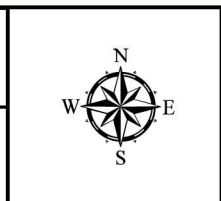
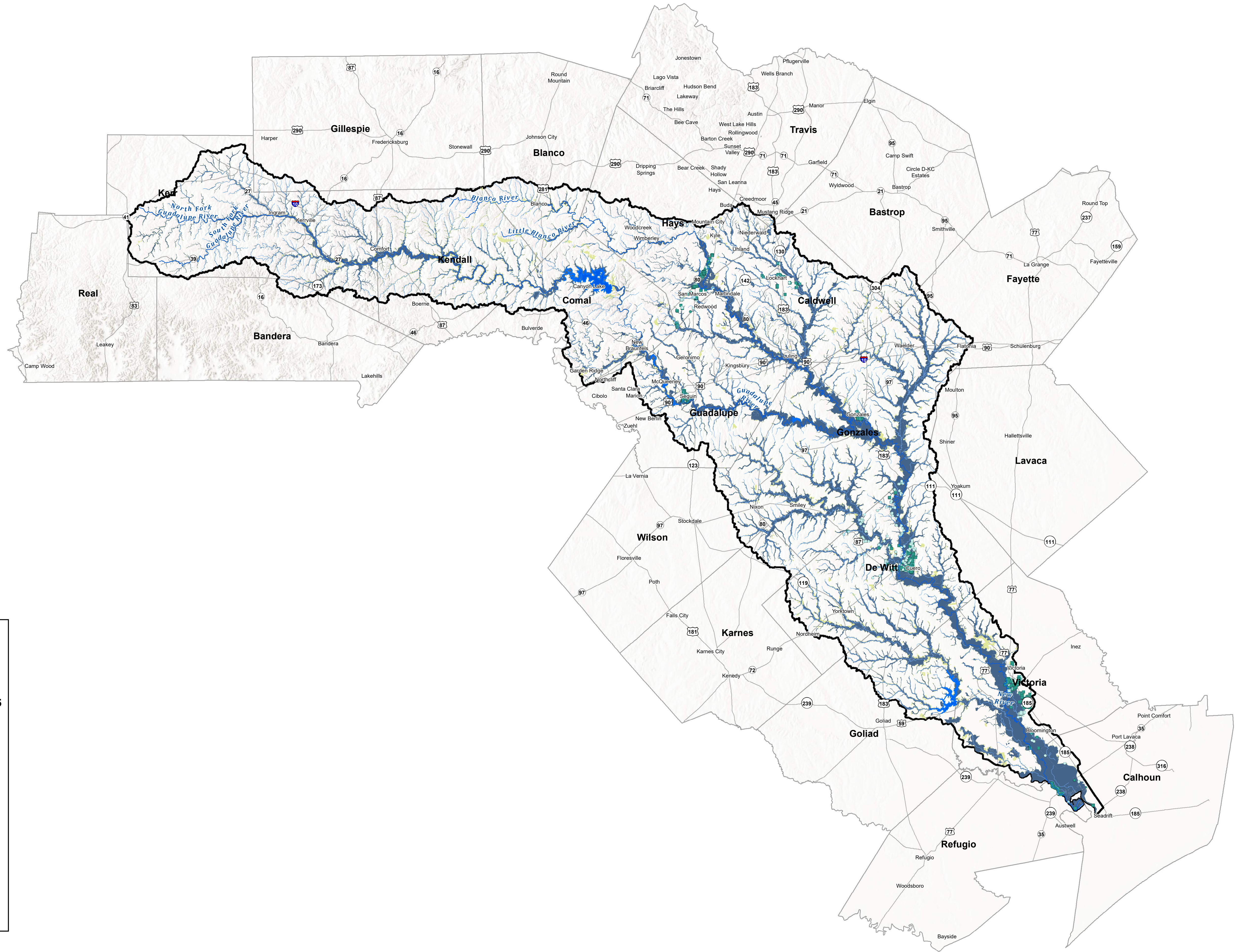


FIGURE
14 of 14

Map 12: Future Condition Flood Vulnerability including Critical Infrastructure



Legend

- Major Reservoirs
- River
- Tributary

Exposed Features with SVI > 0.75

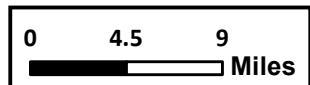
- Agricultural Bldg
- Commercial Bldg
- Industrial Bldg
- Public Bldg
- Residential Bldg
- Vacant or Unknown Bldg

0.2 Flood Hazard

- Coastal
- Riverine

1.0 Flood Hazard

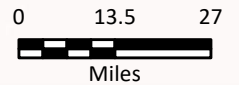
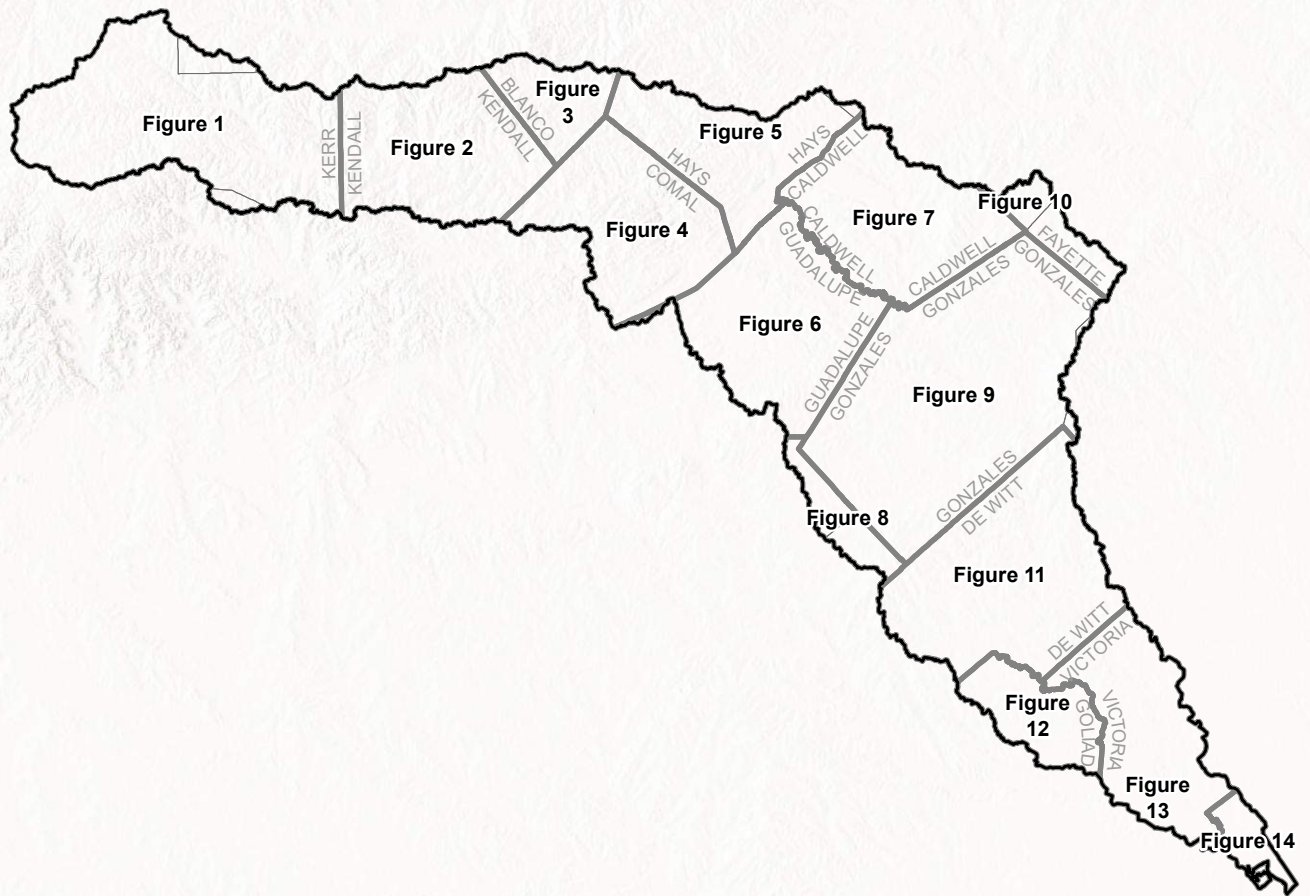
- Coastal
- Riverine
- Flood Planning Region



REGION 11 **GUADALUPE**
FRESE NICHOLS
 Freese and Nichols, Inc.
 Office: (512) 617-3100

Map 12 Region - Future Vulnerability
 Region 11: Guadalupe

FILE NO	GBA21362	Map 12
FILE	12_FutureVulnerabilityRegion	
DATE	1/5/2023	
SCALE	1 in = 9 miles	
DRAFTED	02-405	



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 1/5/2023
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 12_FutureVulnerability_Index
PREPARED BY	02405


REGION 11 GUADALUPE
 REGIONAL FLOOD PLANNING GROUP

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

Region 11: Guadalupe
 Map 12 Index - Future Vulnerability

Index Map

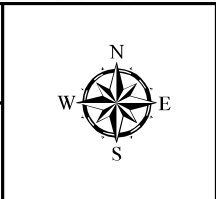
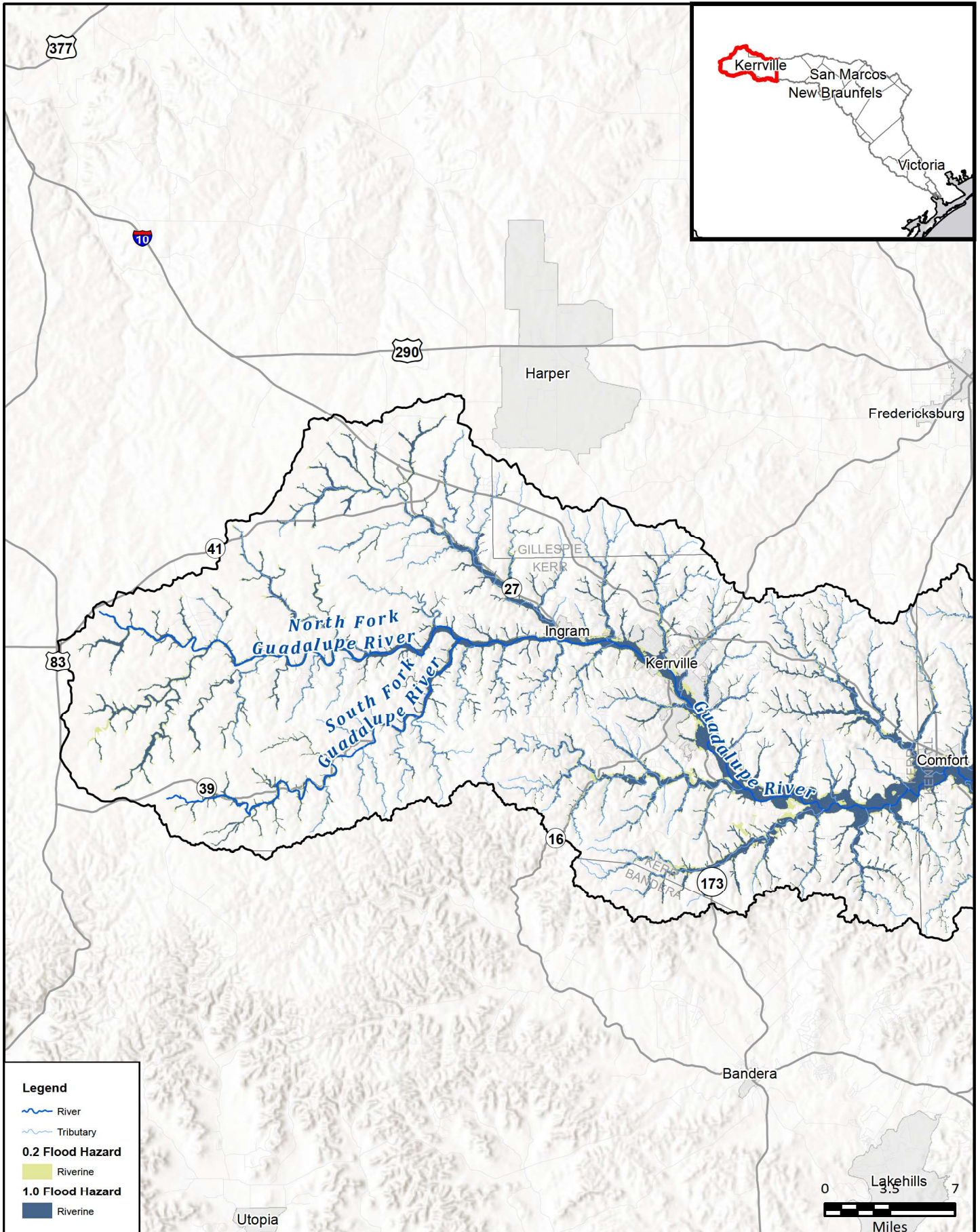


FIGURE
Index



Legend

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



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
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

Kerr County

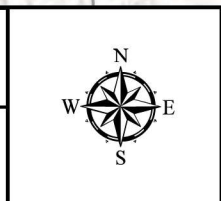
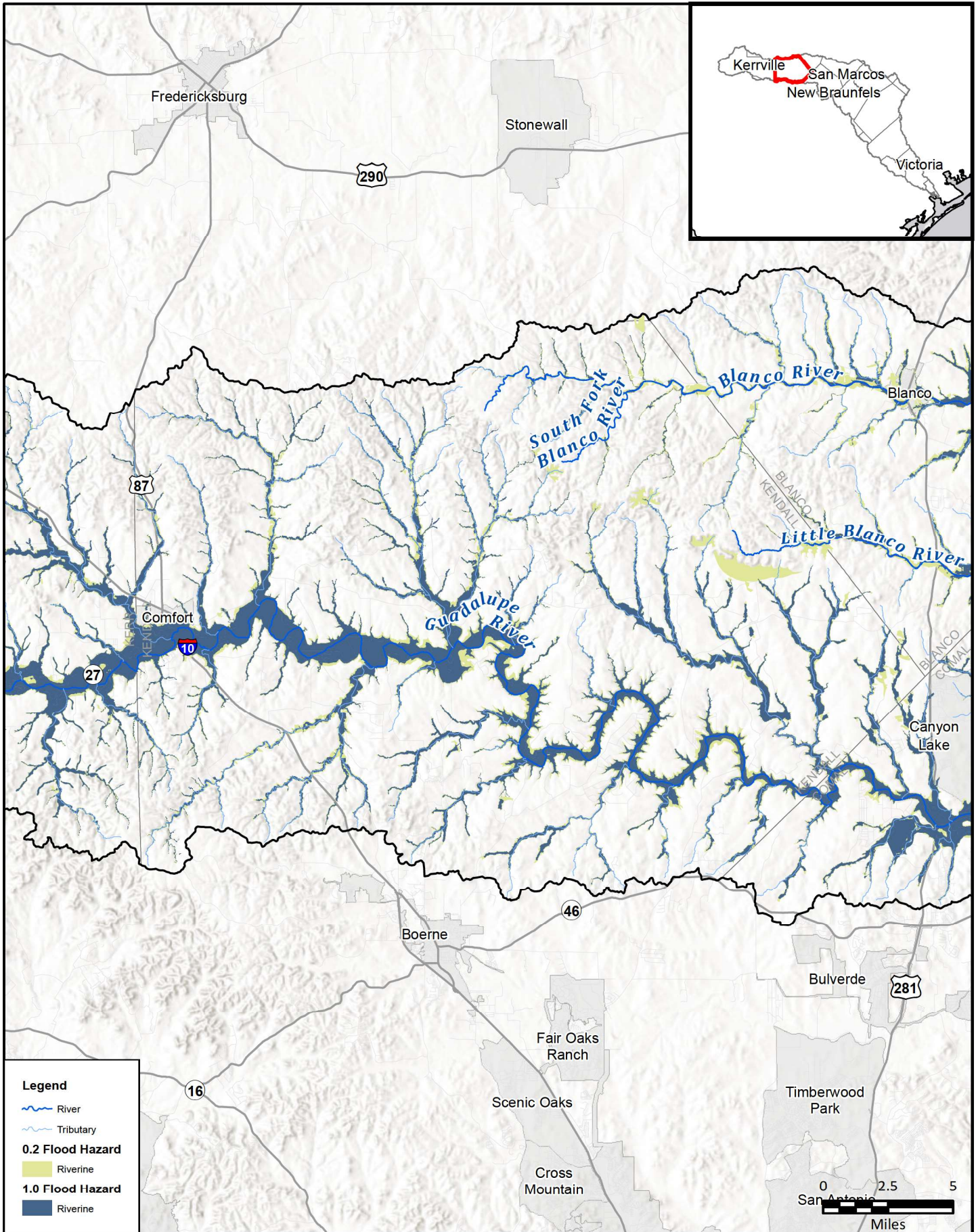




FIGURE
1 of 14



FN PROJECT NO.	GBA21362
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Region 11: Guadalupe
 Map 12 - Future Vulnerability
Kendall County

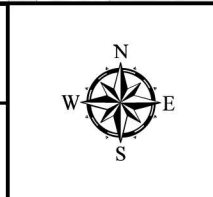
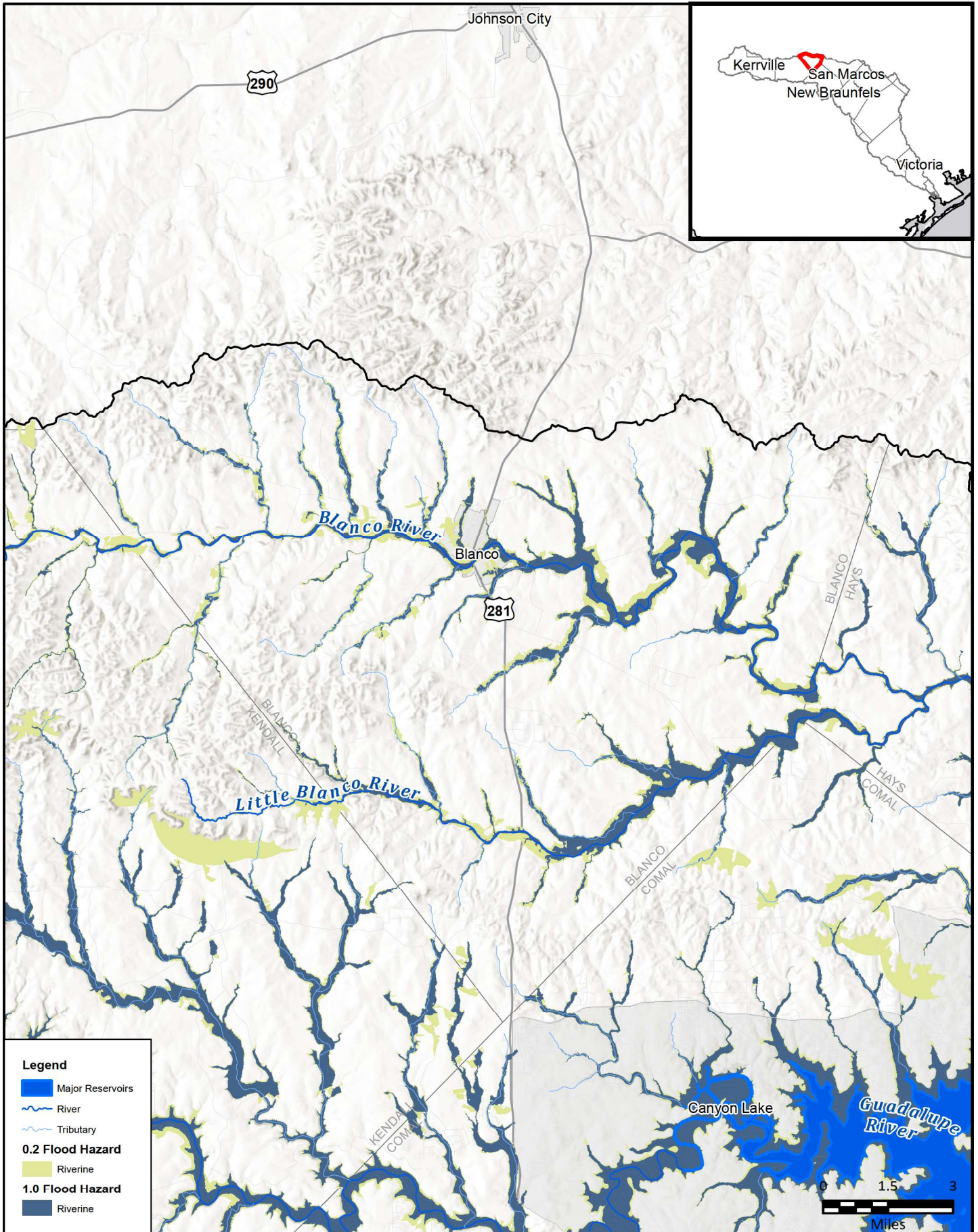


FIGURE
2 of 14



Legend

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

FN PROJECT NO.	GBA21362
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FILE NAME	Name: 12_FutureVulnerabilityMB
PREPARED BY	02405

REGION **GUADALUPE**
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10431 MORADO CIRCLE
BUILDING 5, SUITE 300
AUSTIN, TEXAS 78759
OFFICE: (512) 617-3100

Region 11: Guadalupe
Map 12 - Future Vulnerability

Blanco County

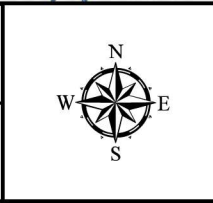
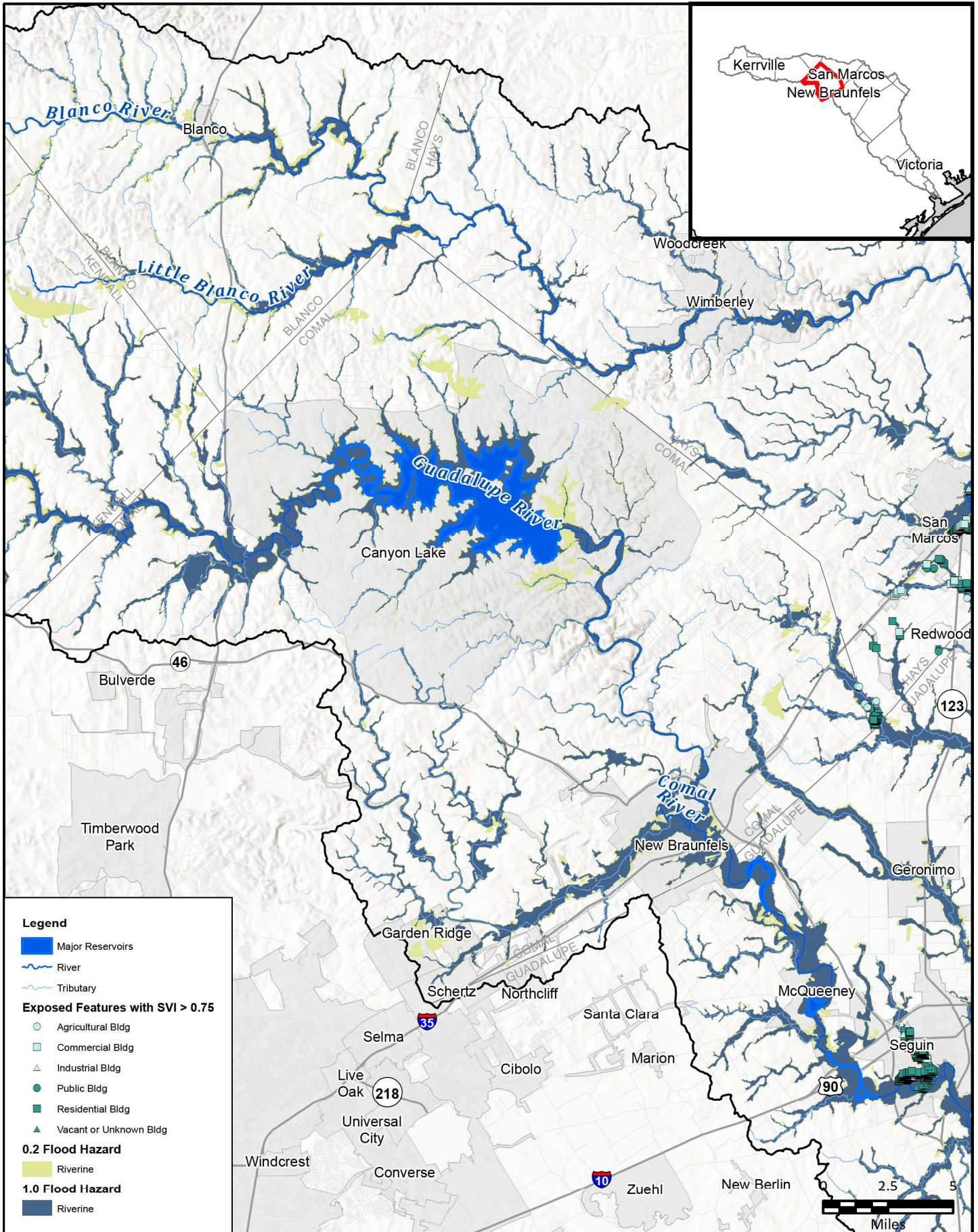


FIGURE
3 of 14



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.	GBA21362
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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 12 - Future Vulnerability
Comal County

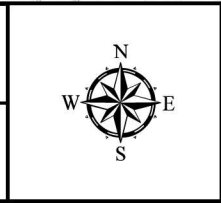
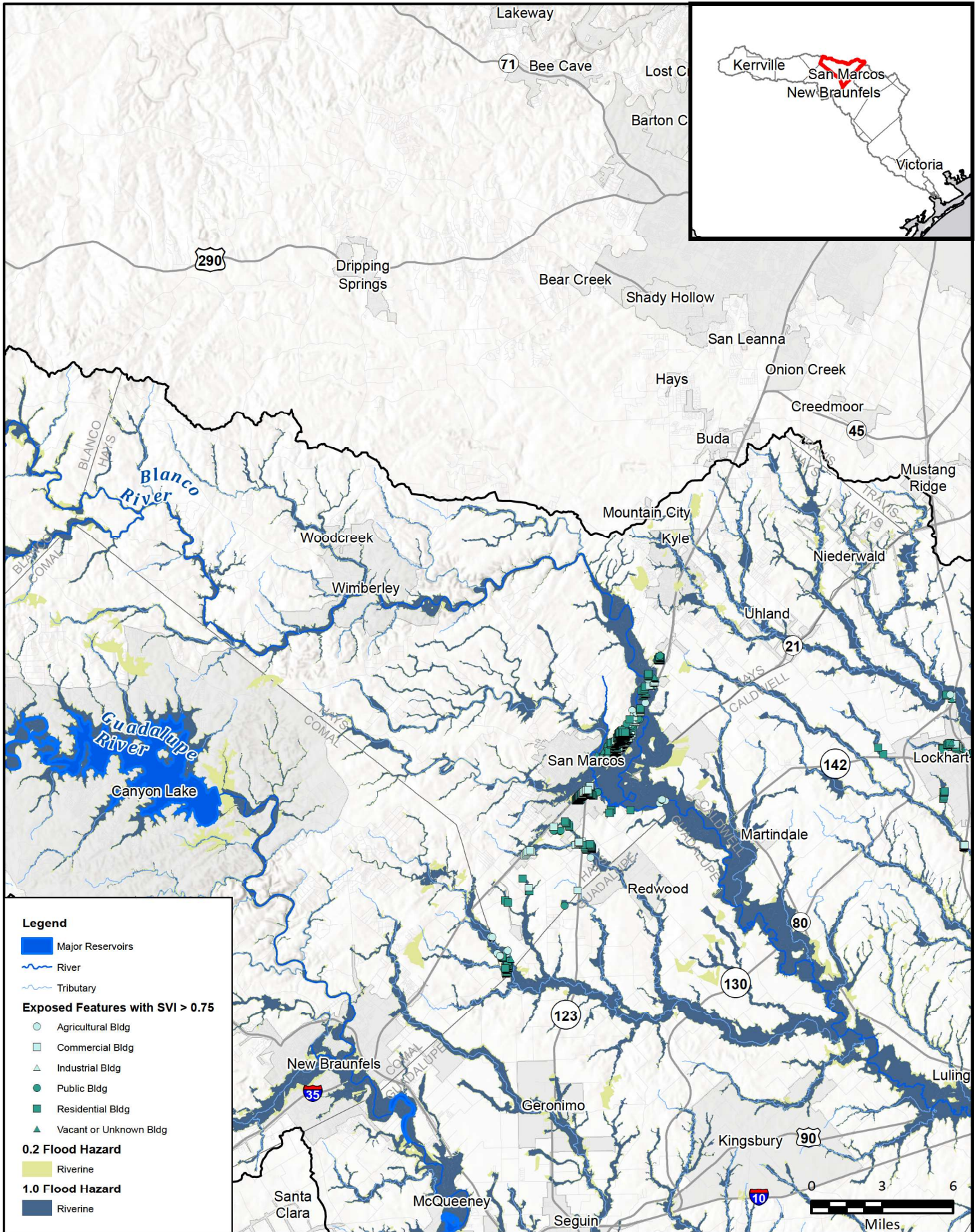


FIGURE
4 of 14



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

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PREPARED BY	02405

REGION GUADALUPE
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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
Hays County

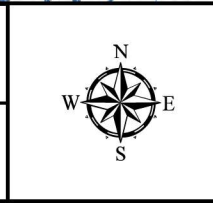
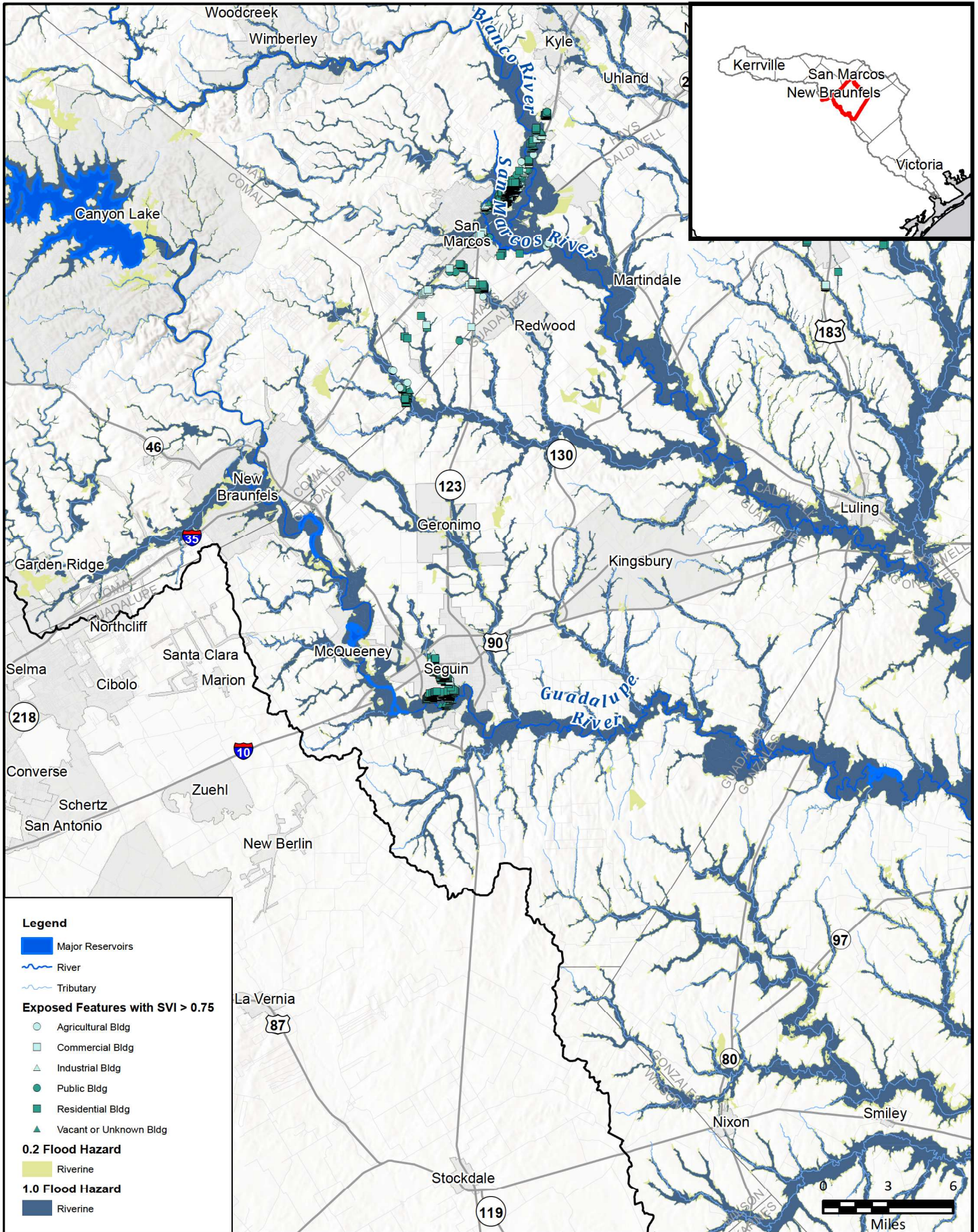


FIGURE
5 of 14



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

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REGIONAL FLOOD PLANNING GROUP

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10431 MORADO CIRCLE
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AUSTIN, TEXAS 78759
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Region 11: Guadalupe
Map 12 - Future Vulnerability

Guadalupe County

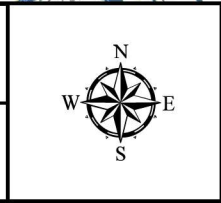
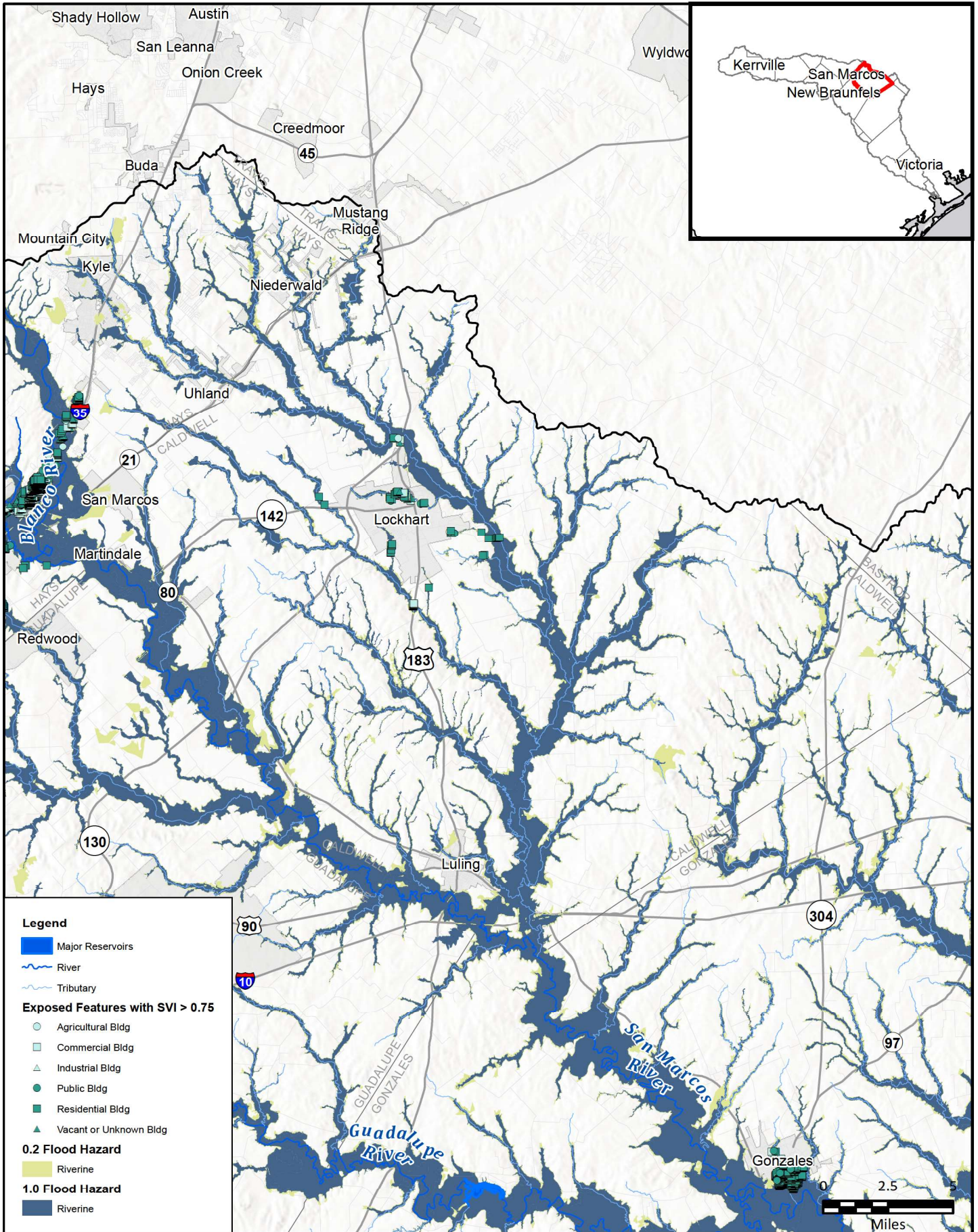


FIGURE
6 of 14



FN PROJECT NO.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 12_FutureVulnerabilityMB
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 12 - Future Vulnerability
Caldwell County

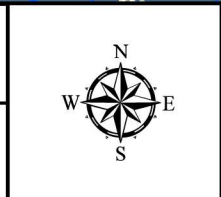
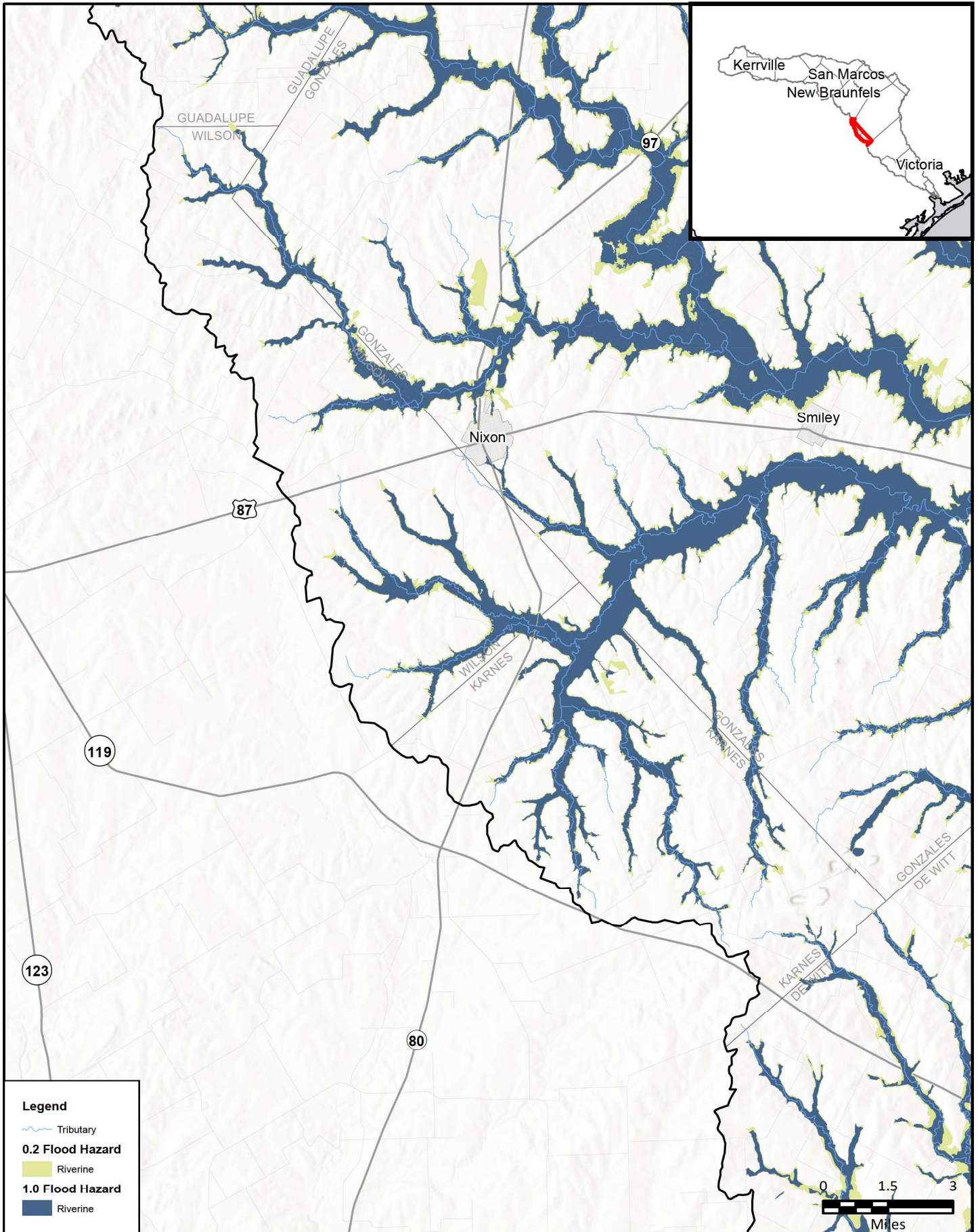
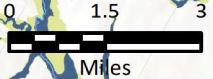


FIGURE
7 of 14



Legend

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



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

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REGIONAL FLOOD PLANNING GROUP

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BUILDING 5, SUITE 300
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OFFICE: (512) 617-3100

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

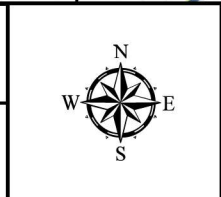
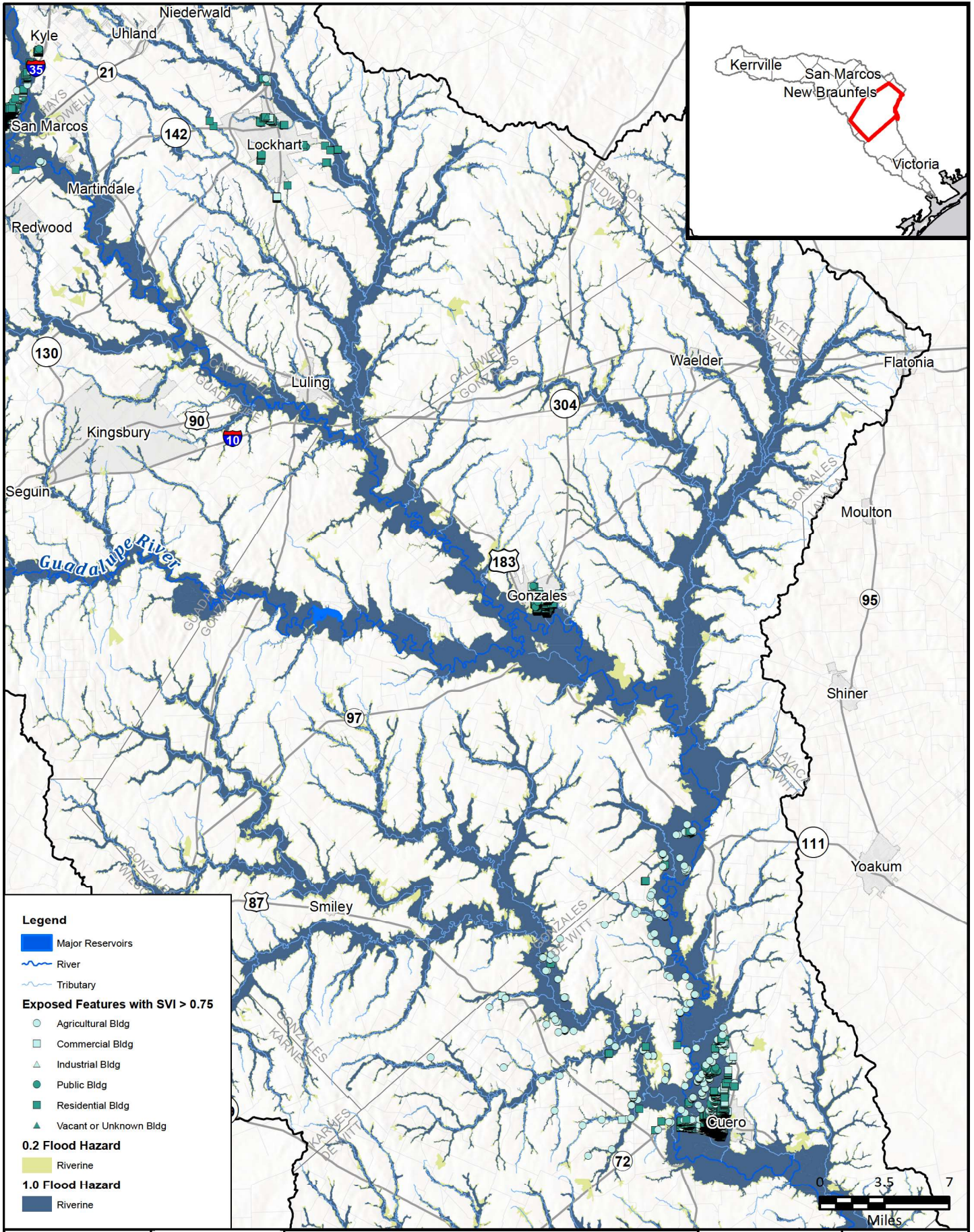



FIGURE
8 of 14



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

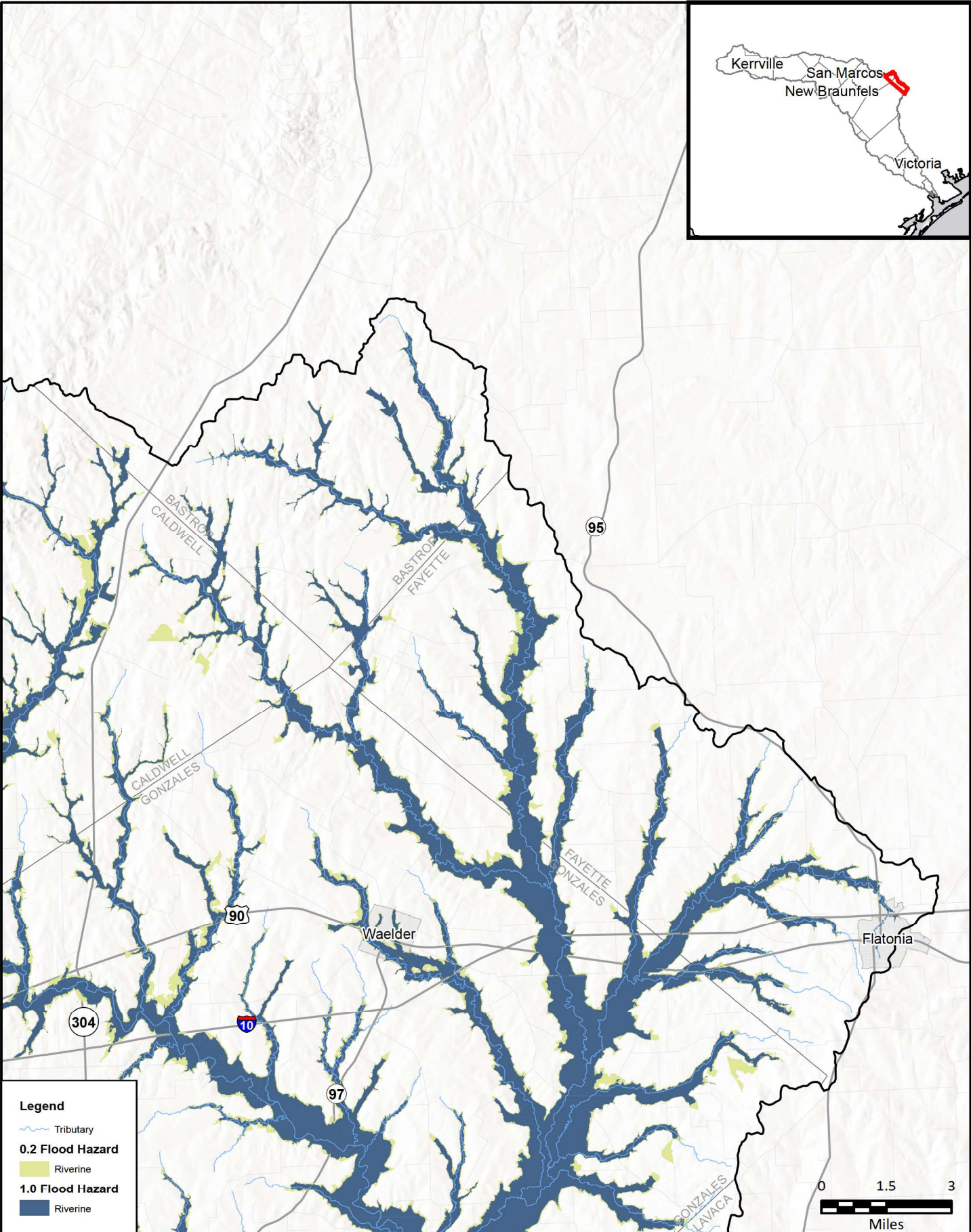
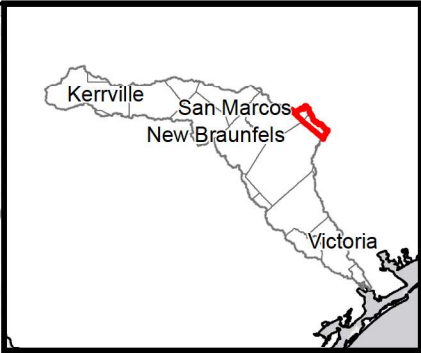

REGION GUADALUPE
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Region 11: Guadalupe
 Map 12 - Future Vulnerability
Gonzales County

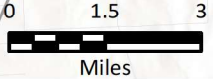


FIGURE
 9 of 14



Legend

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



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

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REGIONAL FLOOD PLANNING GROUP

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

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

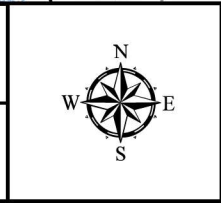
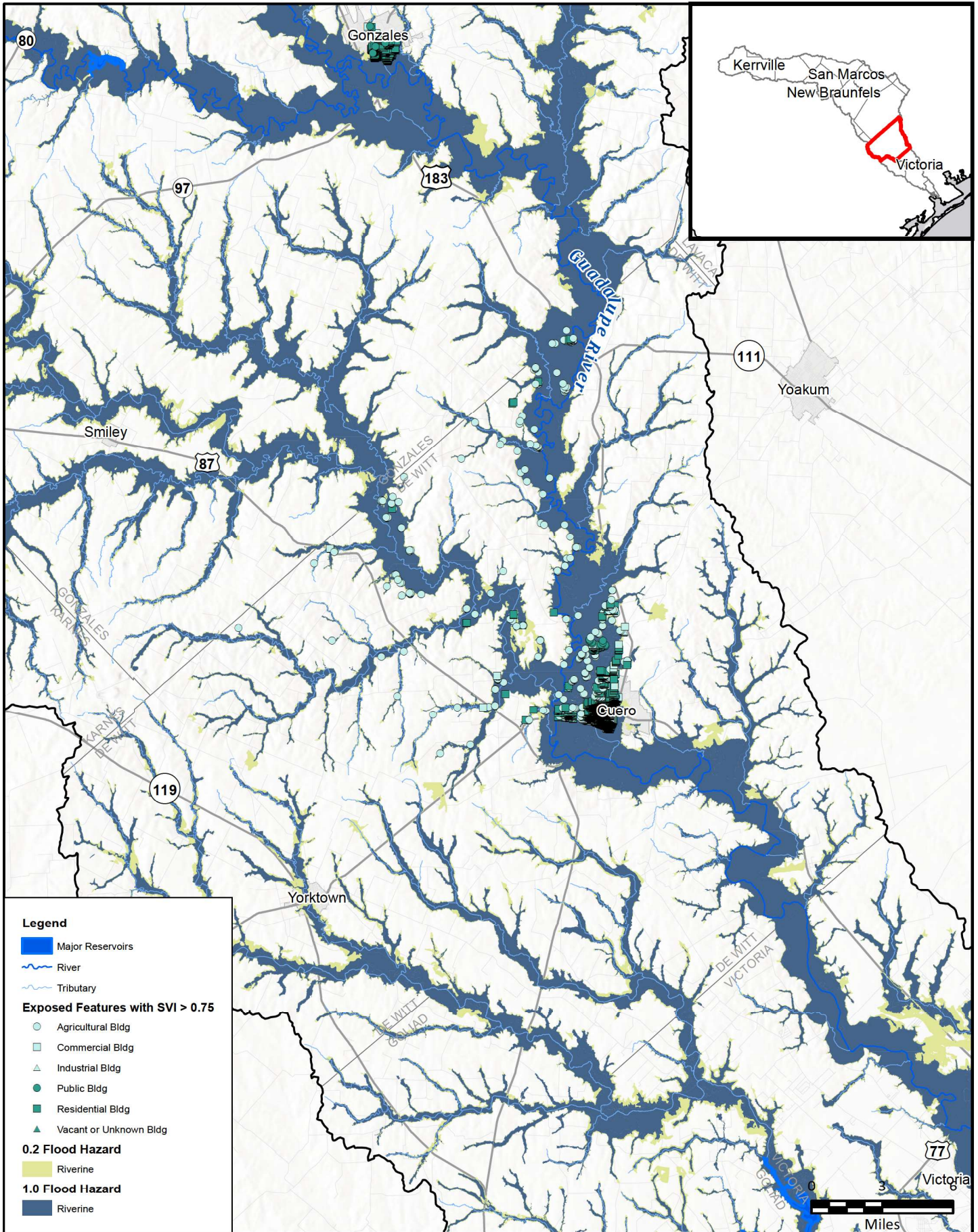


FIGURE
10 of 14



FN PROJECT NO.	GBA21362
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DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 12_FutureVulnerabilityMB
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 10431 MORADO CIRCLE
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 AUSTIN, TEXAS 78759
 OFFICE: (512) 617-3100

Region 11: Guadalupe
 Map 12 - Future Vulnerability
De Witt County

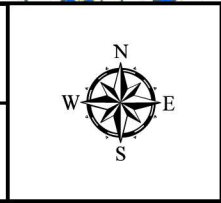
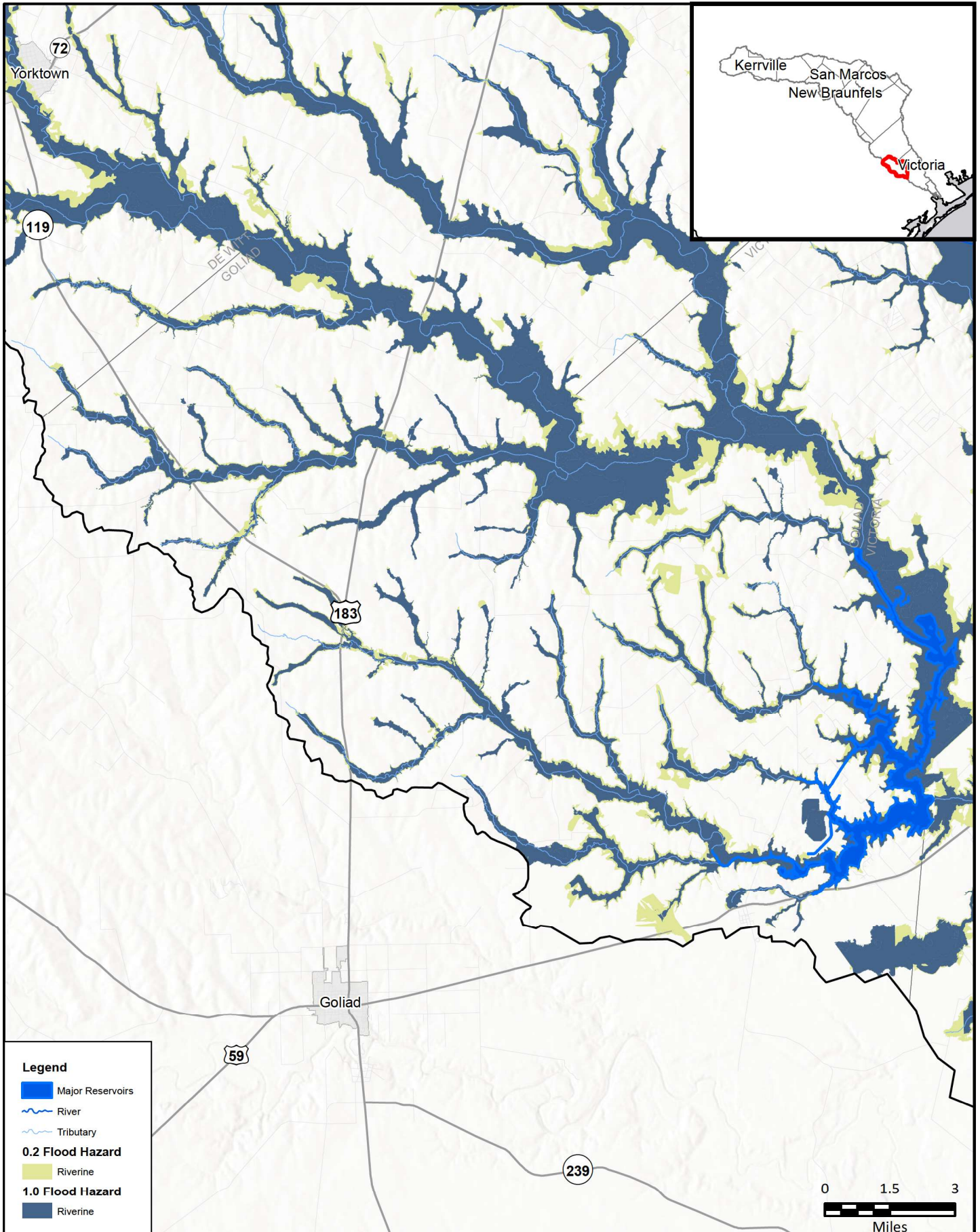
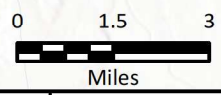


FIGURE
11 of 14



Legend

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



FN PROJECT NO.	GBA21362
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DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 12_FutureVulnerabilityMB
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REGION **GUADALUPE**
REGIONAL FLOOD PLANNING GROUP

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Region 11: Guadalupe
Map 12 - Future Vulnerability
Goliad County

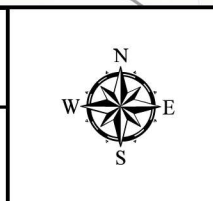
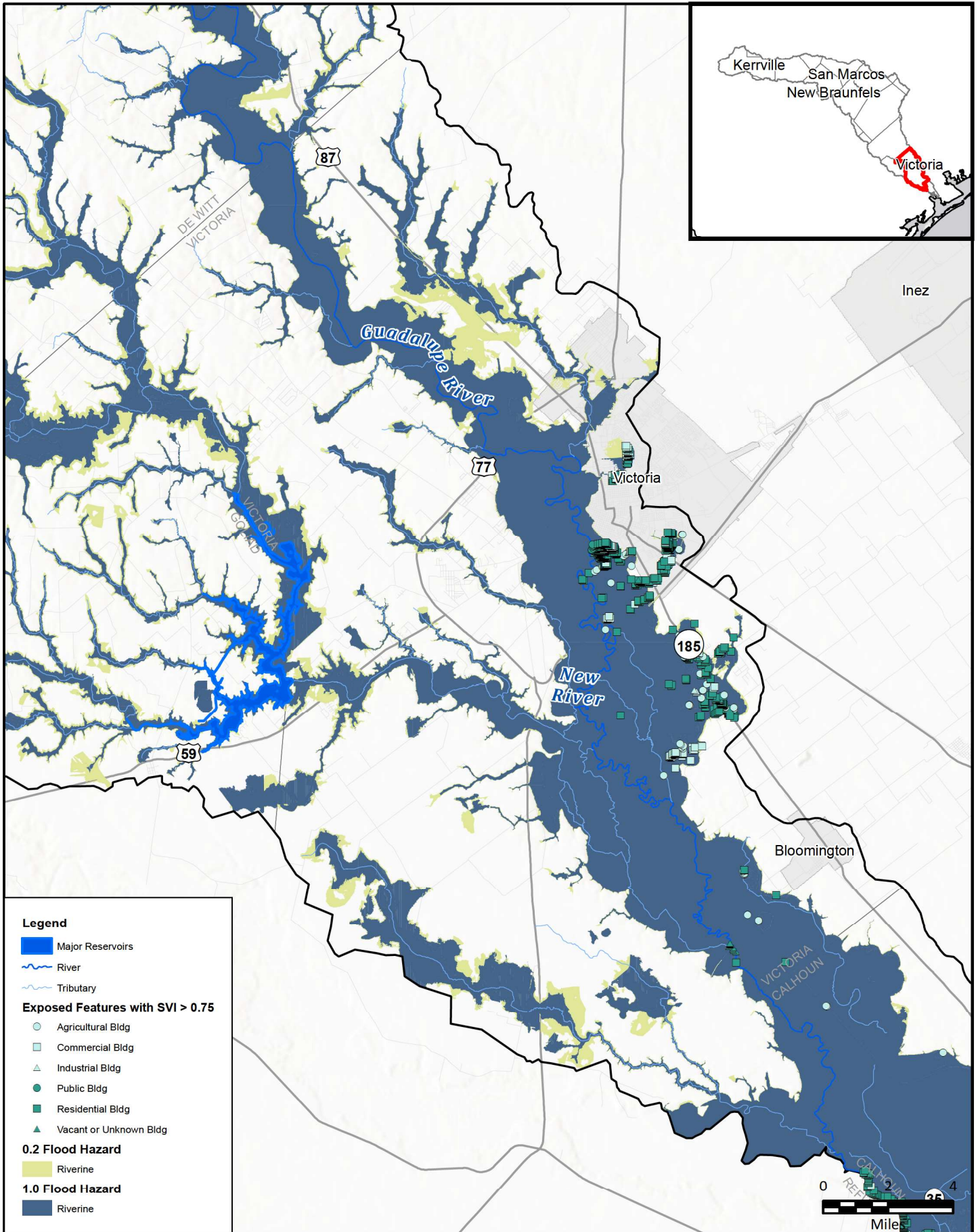


FIGURE
12 of 14



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.	GBA21362
DATE CREATED	Date: 12/15/2022
DATUM & COORDINATE SYSTEM	NAD 1983 2011 Texas Centric Mapping System Lambert
FILE NAME	Name: 12_FutureVulnerabilityMB
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REGIONAL FLOOD PLANNING GROUP

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10431 MORADO CIRCLE
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AUSTIN, TEXAS 78759
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Region 11: Guadalupe
Map 12 - Future Vulnerability

Victoria County

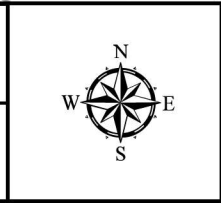
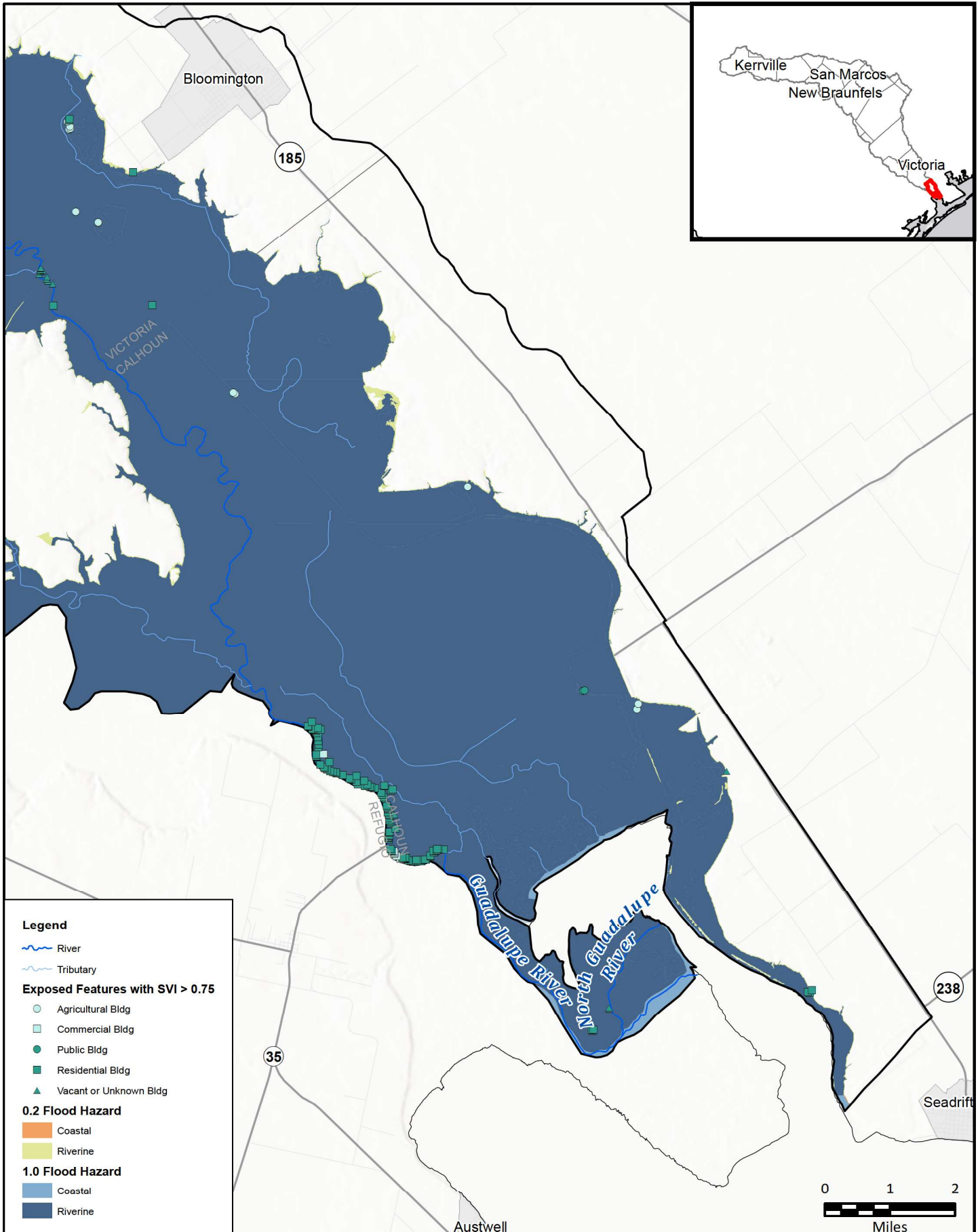


FIGURE
13 of 14



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.	GBA21362
DATE CREATED	Date: 12/15/2022
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

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OFFICE: (512) 617-3100

Region 11: Guadalupe
Map 12 - Future Vulnerability

Calhoun County

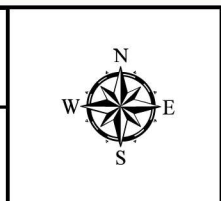


FIGURE
14 of 14

Appendix 2-C |

List of Existing Hydrologic and Hydraulic Models

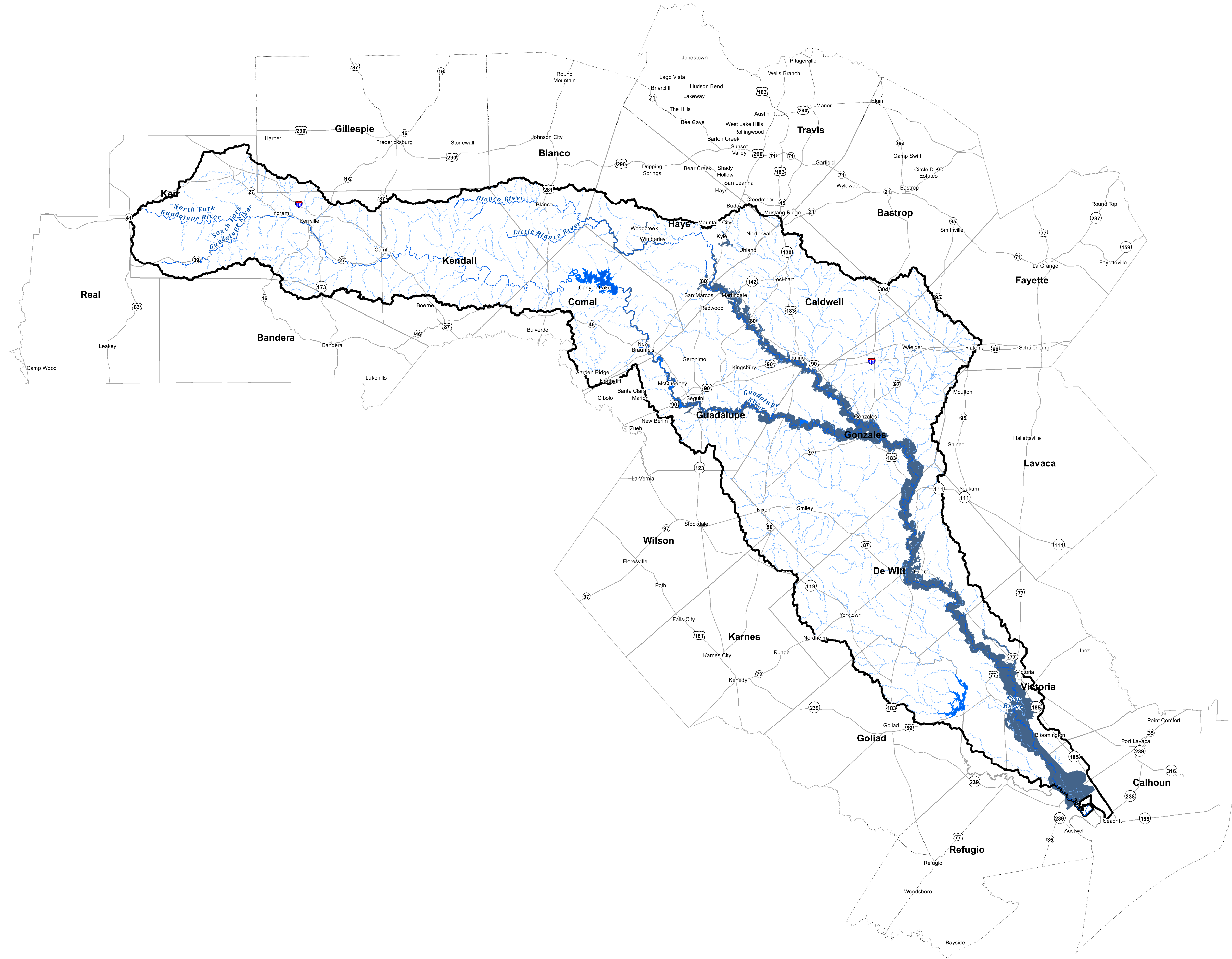
List of Models Relevant to the RFP

Title	Software	Study Area	Sponsor	Year
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

Title	Software	Study Area	Sponsor	Year
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), Buntun 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

Region Number	FMP ID	FMP Name	FMP Meets ALL No Negative Impacts Requirements from Exhibit C Section 3.6.A (Yes/ No)	Negative Impact Description	Planning level Mitigation Plan (Yes/ No)	Mitigation Plan Description	No Negative Impact Determination (Yes/No)	Basis of No Negative Impact Determination (Model, Study, Engineering Judgement)	Model ID	Model Name	Model Submitted	Study Name and Location	Engineer of Record (Optional)	Engineering Judgement Description
11	113000001	Detention on the Blanco River	Yes	None	No		No	Model and Study	113000000001	2013 Blanco River	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 1 Technical Report Notebook (TRN) Appendix E		
11	113000006	Plum Creek Tributary 3 Arbor Knot Dr. Improvement	Yes	None	No		No	Model and Study	113000000006	Plum3	Yes	Guadalupe-Blanco River Authority Flood Protection Planning Study - Phase 3 Final Report		
11	113000007	Plum Creek Tributary 4 Sledge Rd. Improvement	Yes	None	No		No	Model and Study	113000000007	PlumCreekTrib4_New	Yes	Guadalupe-Blanco River Authority Flood Protection Planning Study - Phase 3 Final Report		
11	113000010	65ft Channel Modification and Additional Culvert	Yes	None	No		No	Model and Study	113000000010	PLUMCREEK	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 2 Technical Report Notebook (TRN) Appendix E		
11	113000011	Plum Creek Detention Pond Upstream of IH35	Yes	None	No		No	Model and Study	113000000011	PLUMCREEK	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 2 Technical Report Notebook (TRN) Appendix E		
11	113000015	Improve Flood Warning Systems	not applicable											
11	113000026	Purgatory Creek Channel Improvement	Yes	None	No		No	Study			No	Purgatory Creek Channel Improvement Project PER/ City of San Marcos		
11	113000027	Sherwood/Kingwood Drainage Improvements	Yes	None	No		No	Model	113000000027	USM_4.2.1_kingwood	Yes	City of San Marcos Sherwood Drive and Kingwood Street Improvements Preliminary Engineering Repor		
11	113000035	Guadalupe Street Automatic Flood Gates	not applicable											
11	113000036	Baldrige Creek Regional Detention Pond	Yes	None	No		No	Model and Study	113000000036	Baldrige Creek	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 2 Technical Report Notebook (TRN) Appendix E		
11	113000037	Baldrige Creek Channel and Culvert Improvement and Detention Pond	Yes	None	No		No	Model and Study	113000000037	Baldrige Creek	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 2 Technical Report Notebook (TRN) Appendix E		
11	113000039	Wilson Creek - Green Acres Dr. Improvement	Yes	None	No		No	Model and Study	113000000039	WilsonCreek	Yes	Guadalupe-Blanco River Authority Flood Protection Planning Study - Phase 3 Final Report		
11	113000040	Regional Detention South of Mountain Crest Drive	Yes	None	No		No	Model and Study	113000000040	Hog Creek Hydraulics	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 1 Technical Report Notebook (TRN) Appendix E		
11	113000041	Improvements to Brookside Drive Culvert Crossing	Yes	None	No		No	Study			No	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 1 Technical Report Notebook (TRN) Appendix E		
11	113000042	Brookmeadow Drive Drainage Improvements	Yes	None	No		No	Study			No	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 1 Technical Report Notebook (TRN) Appendix E		
11	113000044	Regional Detention on Bear Creek	Yes	None	No		No	Model and Study	113000000044	Guadalupe_FEMA2008, Guadalupe_Dewitt, Guadalupe_Gonzales	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 1 Technical Report Notebook (TRN) Appendix E		
11	113000047	Regional Detention on Peach Creek	Yes	None	No		No	Model and Study	113000000047	Guadalupe_FEMA2008, Guadalupe_Dewitt, Guadalupe_Gonzales, lguad, guadalupe, uguad	Yes	Lower Guadalupe River Basin Guadalupe-Blanco River Authority Interim Feasibility Study - Phase 1 Technical Report Notebook (TRN) Appendix E		
11	113000052	Kerr County Back-up Power Generators	not applicable											
11	113000060	City of Victoria Back-up Power Generators	not applicable											

Map 22: Model Coverage



Legend

- Major Reservoirs
- River
- Tributary
- Model Coverage

FRESE NICHOLS
 Freese and Nichols, Inc.
 10421 Maranda Circle, Bldg 5, Site 300
 Austin, Texas 78759
 Office: (512) 617-3100

Available H&H Models
 Region 11: Guadalupe

0 4.5 9 Miles

FN JOB NO	GBA2136	Map 22
FILE	22_Avail_HH_Models	
DATE	1/5/2023	
SCALE	1 in = 9 miles	
DRAFTED	02401	