



U.S. Department of Housing and Urban  
Development  
451 Seventh Street, SW  
Washington, DC 20410  
[www.hud.gov](http://www.hud.gov)  
[espanol.hud.gov](http://espanol.hud.gov)

**Tiered Environment Review  
for Activity/Project that is  
Categorically Excluded Subject to Section 58.5  
Pursuant to 24 CFR 58.35(a)**

**Project Information**

**Project Name:** FY22-HOME-Grant-Monitoring-Single-Family-Rehabilitation-

**HEROS Number:** 900000010272440

**State / Local Identifier:**

**Project Location:** Corpus Christi, TX 78401

**Additional Location Information:**

N/A

**Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]:**

The Single Family Rehabilitation Loan Program benefits only low- and very low-income homeowners. The program provides zero percent loans to homeowners interested in rehabilitating their homes. Funds requested will be used to provide demolition and relocation grants and reconstruction loans to eligible homeowners whose homes are 51% deteriorated. 7 homes.

**Level of Environment Review Determination:**

Categorically Excluded per 24 CFR 58.35(a), and subject to laws and authorities at §58.5:  
58.35(a)(3)

**Funding Information**

Grant Number	HUD Program	Program Name	Funding Amount
M-22-MC-48-0502	Community Planning and Development (CPD)	HOME Program	

**Estimated Total HUD Funded Amount:** \$1,355,913.00

**Estimated Total Project Cost [24 CFR 58.2 (a) (5)]:** \$896,000.00

**Mitigation Measures and Conditions [40 CFR 1505.2(c)]:** Consult the completed environmental review record for information on the mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the


above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified.

**Determination:**

- Extraordinary circumstances exist and this project may result in significant environmental impact. This project requires preparation of an Environmental Assessment (EA) ; OR
- There are no extraordinary circumstances which would require completion of an EA, and this project may remain CEST.

Preparer Signature:  Date: 8/12/22

Name / Title/ Organization: Leticia Kanmore / / CORPUS CHRISTI

Responsible Entity Agency Official Signature:  Date: 8.12.22

Name/ Title: Linda Stewart, Director

This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environment Review Record (ERR) for the activity / project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).



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**Tiered Environment Review  
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Categorically Excluded Subject to Section 58.5  
Pursuant to 24 CFR 58.35(a)**

**Project Information**

**Project Name:** FY22-HOME-Grant-Monitoring-Single-Family-Rehabilitation-

**HEROS  
Number:** 900000010272440

**Responsible Entity  
(RE):** CORPUS CHRISTI, PO Box 9277 Corpus Christi TX, 78469

**State / Local  
Identifier:**

**RE Preparer:** Leticia Kanmore

**Certifying  
Officer:** Linda Stewart

**Grant Recipient (if different than Responsible  
Entity):**

**Point of Contact:**

**Consultant (if  
applicable):**

**Point of Contact:**

**Project  
Location:** Corpus Christi, TX 78401

**Additional Location Information:**  
N/A

**Direct Comments  
to:**

**Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]:**

The Single Family Rehabilitation Loan Program benefits only low- and very low-income homeowners. The program provides zero percent loans to homeowners interested in rehabilitating their homes. Funds requested will be used to provide demolition and relocation grants and reconstruction loans to eligible homeowners whose homes are 51% deteriorated. 7 homes.

**Maps, photographs, and other documentation of project location and description:**

**Approximate size of the project area:** more than 1 square mile

**Length of time covered by this review:** 5 Years

**Maximum number of dwelling units or lots addressed by this tiered review:**  
7

**Level of Environmental Review Determination:**

Categorically Excluded per 24 CFR 58.35(a), and subject to laws and authorities at §58.5: 58.35(a)(3)

**Determination:**

	Extraordinary circumstances exist and this project may result in significant environmental impact. This project requires preparation of an Environmental Assessment (EA); OR
✓	There are no extraordinary circumstances which would require completion of an EA, and this project may remain CEST.

**Approval Documents:**

**7015.15 certified by Certifying Officer on:**

**7015.16 certified by Authorizing Officer on:**

**Funding Information**

Grant Number	HUD Program	Program Name
M-22-MC-48-0502	Community Planning and Development (CPD)	HOME Program

**Estimated Total HUD Funded Amount:** \$1,355,913.00

**Estimated Total Project Cost [24 CFR 58.2 (a) (5)]:** \$896,000.00

**Compliance with 24 CFR §50.4, §58.5 and §58.6 Laws and Authorities**

<b>Compliance Factors:</b> Statutes, Executive Orders, and Regulations listed at 24 CFR §50.4, §58.5, and §58.6	Was compliance achieved at the broad level of review?	Describe here compliance determinations made at the broad level and source documentation.
<b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR §50.4 &amp; § 58.6</b>		
Airport Hazards	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Coastal Barrier Resources Act	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	The City of Corpus Christi is not located within a designated Coastal Barrier. See attached Texas Coastal Barrier Map.
Flood Insurance	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR §50.4 &amp; § 58.5</b>		
Air Quality	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	The City of Corpus Christi is not in a non-attainment county in Texas. See map of non-attainment counties in Texas.
Coastal Zone Management Act	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Nature of project does not consist of new construction, land conversion, major rehabilitation or substantial improvements to the properties therefore compliance and consultation with GLO is not required. See attached memo.
Contamination and Toxic Substances	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Endangered Species Act	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	By its nature, minor home improvements do not have the potential to affect endangered species.
Explosive and Flammable Hazards	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Farmlands Protection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Rehabilitation of existing homes has no potential to convert farmland, and the activity is therefore in compliance with the FPPA.
Floodplain Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Historic Preservation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Noise Abatement and Control	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Sole Source Aquifers	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	There are not any sole source aquifers in the City of Corpus Christi. See attached location of Sole Source Aquifers in the State of Texas.
Wetlands Protection	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Wild and Scenic Rivers Act	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	There are no wild and scenic rivers within the City of Corpus Christi. See attached map.
<b>ENVIRONMENTAL JUSTICE</b>		
Environmental Justice	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

**Supporting documentation**

[Non-attainment counties as of 2021aug13.pdf](#)

[TX CBRIS map.pdf](#)

[Memo.pdf](#)

[Sole Source Aquifer MOU.pdf](#)

[Wild and Scenic Rivers.pdf](#)

**Written Strategies**

The following strategies provide the policy, standard, or process to be followed in the site-specific review for each law, authority, and factor that will require completion of a site-specific review.

1	Airport Hazards
	Compliance will be completed once property is identified. A map identifying property is not located in an Airport Clear Zone will be provided as documentation.
2	Flood Insurance
	This will be completed once property is identified. A flood map will be provided for each property.
3	Contamination and Toxic Substances
	Compliance will be completed once property is identified. NEPAAssist report will be attached along with site observation.
4	Explosive and Flammable Hazards
	The nature and location of these projects will not include a hazardous facility, rehab or renovation that will result in an increase in the number of people congregating or living there, nor increase residential density, nor will the project be converting the use of a building making vacant building habitable. See attached memo.
5	Floodplain Management
	Nature of the project is "minor" rehab program, which means projects should fall below the "substantial improvement" threshold for single family rehabilitation. If projects will not include substantial improvement, it is exempt from the 8-step decision-making process per 24 CFR 55.12(b)(2), and you can resolved this factor at broad level.

6	Historic Preservation
	Compliance and consultation with SHPO will be completed once property is identified.
7	Noise Abatement and Control
	Nature of project will not require Noise Abatement and control. Property advisors will notate whether there are any major noise sources in the vicinity and if there are major noise sources present, encourage incorporation of noise mitigation measures (e.g. weather-stripping, window and door upgrades, insulation) into the project where feasible.
8	Wetlands Protection
	Home rehabilitation does not have the potential to affect wetlands, this factor can be ruled out at the broad level.
9	Environmental Justice
	The activities described herein do not have the disproportionate impact on low- income persons or minorities. These activities are designed to enhance affordable housing opportunities for low and moderate income persons and no further review of this matter is required. See attached memo.

**Supporting documentation**

[Tier II Checklist.pdf](#)

[Memo\(1\).pdf](#)

**APPENDIX A: Site Specific Reviews**

<b>state</b>	<b>st_abbr</b>	<b>countyname</b>	<b>pollutant</b>	<b>revoked_naaqs</b>
TEXAS	TX	Anderson County	Sulfur Dioxide (2010)	
TEXAS	TX	Bexar County	8-Hour Ozone (2015)	
TEXAS	TX	Brazoria County	1-Hour Ozone (1979)	Revoked
TEXAS	TX	Brazoria County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Brazoria County	8-Hour Ozone (2008)	
TEXAS	TX	Brazoria County	8-Hour Ozone (2015)	
TEXAS	TX	Chambers County	1-Hour Ozone (1979)	Revoked
TEXAS	TX	Chambers County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Chambers County	8-Hour Ozone (2008)	
TEXAS	TX	Chambers County	8-Hour Ozone (2015)	
TEXAS	TX	Collin County	1-Hour Ozone (1979)	Revoked
TEXAS	TX	Collin County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Collin County	8-Hour Ozone (2008)	
TEXAS	TX	Collin County	8-Hour Ozone (2015)	
TEXAS	TX	Collin County	Lead (1978)	
TEXAS	TX	Collin County	Lead (2008)	
TEXAS	TX	Dallas County	1-Hour Ozone (1979)	Revoked
TEXAS	TX	Dallas County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Dallas County	8-Hour Ozone (2008)	
TEXAS	TX	Dallas County	8-Hour Ozone (2015)	
TEXAS	TX	Denton County	1-Hour Ozone (1979)	Revoked
TEXAS	TX	Denton County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Denton County	8-Hour Ozone (2008)	
TEXAS	TX	Denton County	8-Hour Ozone (2015)	
TEXAS	TX	El Paso County	1-Hour Ozone (1979)	Revoked
TEXAS	TX	El Paso County	Carbon Monoxide (1971)	
TEXAS	TX	El Paso County	PM-10 (1987)	
TEXAS	TX	Ellis County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Ellis County	8-Hour Ozone (2008)	
TEXAS	TX	Ellis County	8-Hour Ozone (2015)	
TEXAS	TX	Fort Bend County	1-Hour Ozone (1979)	Revoked
TEXAS	TX	Fort Bend County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Fort Bend County	8-Hour Ozone (2008)	
TEXAS	TX	Fort Bend County	8-Hour Ozone (2015)	
TEXAS	TX	Freestone County	Sulfur Dioxide (2010)	
TEXAS	TX	Galveston County	1-Hour Ozone (1979)	Revoked
TEXAS	TX	Galveston County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Galveston County	8-Hour Ozone (2008)	
TEXAS	TX	Galveston County	8-Hour Ozone (2015)	
TEXAS	TX	Hardin County	1-Hour Ozone (1979)	Revoked
TEXAS	TX	Hardin County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Harris County	1-Hour Ozone (1979)	Revoked
TEXAS	TX	Harris County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Harris County	8-Hour Ozone (2008)	
TEXAS	TX	Harris County	8-Hour Ozone (2015)	
TEXAS	TX	Howard County	Sulfur Dioxide (2010)	
TEXAS	TX	Hutchinson County	Sulfur Dioxide (2010)	
TEXAS	TX	Jefferson County	1-Hour Ozone (1979)	Revoked
TEXAS	TX	Jefferson County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Johnson County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Johnson County	8-Hour Ozone (2008)	



TEXAS	TX	Johnson County	8-Hour Ozone (2015)	
TEXAS	TX	Kaufman County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Kaufman County	8-Hour Ozone (2008)	
TEXAS	TX	Kaufman County	8-Hour Ozone (2015)	
TEXAS	TX	Liberty County	1-Hour Ozone (1979)	Revoked
TEXAS	TX	Liberty County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Liberty County	8-Hour Ozone (2008)	
TEXAS	TX	Montgomery County	1-Hour Ozone (1979)	Revoked
TEXAS	TX	Montgomery County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Montgomery County	8-Hour Ozone (2008)	
TEXAS	TX	Montgomery County	8-Hour Ozone (2015)	
TEXAS	TX	Navarro County	Sulfur Dioxide (2010)	
TEXAS	TX	Orange County	1-Hour Ozone (1979)	Revoked
TEXAS	TX	Orange County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Panola County	Sulfur Dioxide (2010)	
TEXAS	TX	Parker County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Parker County	8-Hour Ozone (2008)	
TEXAS	TX	Parker County	8-Hour Ozone (2015)	
TEXAS	TX	Rockwall County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Rockwall County	8-Hour Ozone (2008)	
TEXAS	TX	Rusk County	Sulfur Dioxide (2010)	
TEXAS	TX	Tarrant County	1-Hour Ozone (1979)	Revoked
TEXAS	TX	Tarrant County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Tarrant County	8-Hour Ozone (2008)	
TEXAS	TX	Tarrant County	8-Hour Ozone (2015)	
TEXAS	TX	Titus County	Sulfur Dioxide (2010)	
TEXAS	TX	Victoria County	1-Hour Ozone (1979)	Revoked
TEXAS	TX	Waller County	1-Hour Ozone (1979)	Revoked
TEXAS	TX	Waller County	8-Hour Ozone (1997)	Revoked
TEXAS	TX	Waller County	8-Hour Ozone (2008)	
TEXAS	TX	Wise County	8-Hour Ozone (2008)	
TEXAS	TX	Wise County	8-Hour Ozone (2015)	

[https://www3.epa.gov/airquality/greenbook/anayo\\_tx.html](https://www3.epa.gov/airquality/greenbook/anayo_tx.html)

<b>area_name</b>	<b>split</b>	<b>yr1992</b>	<b>yr1993</b>
Freestone and Anderson Counties, TX	FALSE		
San Antonio, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE	92	93
Houston-Galveston-Brazoria, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE	92	93
Houston-Galveston-Brazoria, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE		
Dallas-Fort Worth, TX	FALSE	92	93
Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
Collin Co, TX	FALSE	92	93
Frisco, TX	FALSE		
Dallas-Fort Worth, TX	FALSE	92	93
Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE	92	93
Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
El Paso, TX	FALSE	92	93
El Paso, TX	FALSE	92	93
El Paso Co, TX	FALSE	92	93
Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE	92	93
Houston-Galveston-Brazoria, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE		
Freestone and Anderson Counties, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE	92	93
Houston-Galveston-Brazoria, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE		
Beaumont-Port Arthur, TX	FALSE	92	93
Beaumont-Port Arthur, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE	92	93
Houston-Galveston-Brazoria, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE		
Howard County, TX	FALSE		
Hutchinson County, TX	FALSE		
Beaumont-Port Arthur, TX	FALSE	92	93
Beaumont-Port Arthur, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		

Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE	92	93
Houston-Galveston-Brazoria, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE	92	93
Houston-Galveston-Brazoria, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE		
Navarro County, TX	FALSE		
Beaumont-Port Arthur, TX	FALSE	92	93
Beaumont-Port Arthur, TX	FALSE		
Rusk and Panola Counties, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
Rusk and Panola Counties, TX	FALSE		
Dallas-Fort Worth, TX	FALSE	92	93
Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
Titus County, TX	FALSE		
Victoria, TX	FALSE	92	93
Houston-Galveston-Brazoria, TX	FALSE	92	93
Houston-Galveston-Brazoria, TX	FALSE		
Houston-Galveston-Brazoria, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		
Dallas-Fort Worth, TX	FALSE		

yr1994 yr1995 yr1996 yr1997 yr1998 yr1999 yr2000 yr2001 yr2002 yr2003 yr2004 yr2005 yr2006

94 95 96 97 98 99 00 01 02 03 04  
04 05 06

94 95 96 97 98 99 00 01 02 03 04  
04 05 06

94 95 96 97 98 99 00 01 02 03 04  
04 05 06

94 95 96 97 98

94 95 96 97 98 99 00 01 02 03 04  
04 05 06

94 95 96 97 98 99 00 01 02 03 04  
04 05 06

94 95 96 97 98 99 00 01 02 03 04  
94 95 96 97 98 99 00 01 02 03 04 05 06  
94 95 96 97 98 99 00 01 02 03 04 05 06  
04 05 06

94 95 96 97 98 99 00 01 02 03 04  
04 05 06

94 95 96 97 98 99 00 01 02 03 04  
04 05 06

94 95 96 97 98 99 00 01 02 03 04  
04 05 06

94 95 96 97 98 99 00 01 02 03 04  
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94 95 96 97 98 99 00 01 02 03 04  
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04 05 06

04 05 06

94 95 96 97 98 99 00 01 02 03 04 04 05 06

94 95 96 97 98 99 00 01 02 03 04 04 05 06

94 95 96 97 98 99 00 01 02 03 04 04 05 06

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04 05 06

94 95 96 97 98 99 00 01 02 03 04 04 05 06

94  
94 95 96 97 98 99 00 01 02 03 04 04 05 06

yr2007 yr2008 yr2009 yr2010 yr2011 yr2012 yr2013 yr2014 yr2015 yr2016 yr2017 yr2018 yr2019

17 18 19  
18 19

07 08 09 10 11 12 13 14 15 16 17 18 19  
12 13 14 18 19

07 08 09 10 11 12 13 14 15 16 17 18 19  
12 13 14 18 19

07 08 09 10 11 12 13 14 15 16 17 18 19  
12 13 14 18 19

10 11 12 13 14 15 16

07 08 09 10 11 12 13 14 15 16 17 18 19  
12 13 14 18 19

07 08 09 10 11 12 13 14 15 16 17 18 19  
12 13 14 18 19

07 07 08 09 10 11 12 13 14 15 16 17 18 19  
07 08 09 10 11 12 13 14 15 16 17 18 19  
12 13 14 18 19

07 08 09 10 11 12 13 14 15 16 17 18 19  
12 13 14 18 19  
17 18 19

07 08 09 10 11 12 13 14 15 16 17 18 19  
12 13 14 18 19

07 08 09 10 11 12 13 14 15 16 17 18 19  
07 08 09 10 11 12 13 14 15 16 17 18 19  
12 13 14 18 19

07 08 09 10 11 12 13 14 15 16 17 18 19  
07 08 09 10 11 12 13 14 15 16 17 18 19  
12 13 14



yr2020	yr2021	effec_rede	nonattain	class	part	population	fips_state	fips_cnty
20	21	- -	Yes		P	7 48		001
20	21	- -	Yes	Marginal	W	1714773 48		029
		- -	Yes	Severe-17	W	313166 48		039
		- -	Yes	Severe 15	W	313166 48		039
20	21	- -	Yes	Serious	W	313166 48		039
20	21	- -	Yes	Marginal	W	313166 48		039
		- -	Yes	Severe-17	W	35096 48		071
		- -	Yes	Severe 15	W	35096 48		071
20	21	- -	Yes	Serious	W	35096 48		071
20	21	- -	Yes	Marginal	W	35096 48		071
		- -	Yes	Serious	W	782341 48		085
		- -	Yes	Serious	W	782341 48		085
20	21	- -	Yes	Serious	W	782341 48		085
20	21	- -	Yes	Marginal	W	782341 48		085
		12/13/1999			P	782353 48		085
		9/27/2017			P	3670 48		085
		- -	Yes	Serious	W	2368139 48		113
		- -	Yes	Serious	W	2368139 48		113
20	21	- -	Yes	Serious	W	2368139 48		113
20	21	- -	Yes	Marginal	W	2368139 48		113
		- -	Yes	Serious	W	662614 48		121
		- -	Yes	Serious	W	662614 48		121
20	21	- -	Yes	Serious	W	662614 48		121
20	21	- -	Yes	Marginal	W	662614 48		121
		- -	Yes	Serious	W	800647 48		141
		10/3/2008		Moderate <= 12.7ppm	P	73100 48		141
20	21	- -	Yes	Moderate	P	649121 48		141
		- -	Yes	Serious	W	149610 48		139
20	21	- -	Yes	Serious	W	149610 48		139
20	21	- -	Yes	Marginal	W	149610 48		139
		- -	Yes	Severe-17	W	585375 48		157
		- -	Yes	Severe 15	W	585375 48		157
20	21	- -	Yes	Serious	W	585375 48		157
20	21	- -	Yes	Marginal	W	585375 48		157
20	21	- -	Yes		P	4087 48		161
		- -	Yes	Severe-17	W	291309 48		167
		- -	Yes	Severe 15	W	291309 48		167
20	21	- -	Yes	Serious	W	291309 48		167
20	21	- -	Yes	Marginal	W	291309 48		167
		- -	Yes	Serious	W	54635 48		199
		11/19/2010		Moderate	W	54635 48		199
		- -	Yes	Severe-17	W	4092459 48		201
		- -	Yes	Severe 15	W	4092459 48		201
20	21	- -	Yes	Serious	W	4092459 48		201
20	21	- -	Yes	Marginal	W	4092459 48		201
	21	- -	Yes		P	281 48		227
	21	- -	Yes		P	14593 48		233
		- -	Yes	Serious	W	252273 48		245
		11/19/2010		Moderate	W	252273 48		245
		- -	Yes	Serious	W	150934 48		251
20	21	- -	Yes	Serious	W	150934 48		251



20	21	- -	Yes	Marginal	W	150934 48	251
		- -	Yes	Serious	W	103350 48	257
20	21	- -	Yes	Serious	W	103350 48	257
20	21	- -	Yes	Marginal	W	103350 48	257
		- -	Yes	Severe-17	W	75643 48	291
		- -	Yes	Severe 15	W	75643 48	291
20	21	- -	Yes	Serious	W	75643 48	291
		- -	Yes	Severe-17	W	455746 48	339
		- -	Yes	Severe 15	W	455746 48	339
20	21	- -	Yes	Serious	W	455746 48	339
20	21	- -	Yes	Marginal	W	455746 48	339
	21	- -	Yes		P	1593 48	349
		- -	Yes	Serious	W	81837 48	361
		11/19/2010		Moderate	W	81837 48	361
20	21	- -	Yes		P	24 48	365
		- -	Yes	Serious	W	116927 48	367
20	21	- -	Yes	Serious	W	116927 48	367
20	21	- -	Yes	Marginal	W	116927 48	367
		- -	Yes	Serious	W	78337 48	397
20	21	- -	Yes	Serious	W	78337 48	397
20	21	- -	Yes		P	1656 48	401
		- -	Yes	Serious	W	1809034 48	439
		- -	Yes	Serious	W	1809034 48	439
20	21	- -	Yes	Serious	W	1809034 48	439
20	21	- -	Yes	Marginal	W	1809034 48	439
20	21	- -	Yes		P	211 48	449
		5/8/1995		Incomplete Data	W	86793 48	469
		- -	Yes	Severe-17	W	43205 48	473
		- -	Yes	Severe 15	W	43205 48	473
20	21	- -	Yes	Serious	W	43205 48	473
20	21	- -	Yes	Serious	W	59127 48	497
20	21	- -	Yes	Marginal	W	59127 48	497

**pollorder composid****exportdt**

A	SO2.2010.Freestone_Anderson_Cos	7/31/2021
f	Ozone_8-hr.2015.San_Antonio	7/31/2021
B	Ozone_1-hr.1990.Houston	7/31/2021
c	Ozone_8-hr.1997.Houston	7/31/2021
d	Ozone_8-hr.2008.Houston	7/31/2021
f	Ozone_8-hr.2015.Houston	7/31/2021
B	Ozone_1-hr.1990.Houston	7/31/2021
c	Ozone_8-hr.1997.Houston	7/31/2021
d	Ozone_8-hr.2008.Houston	7/31/2021
f	Ozone_8-hr.2015.Houston	7/31/2021
D	Ozone_1-hr.1990.Dallas	7/31/2021
d	Ozone_8-hr.1997.Dallas	7/31/2021
d	Ozone_8-hr.2008.Dallas	7/31/2021
f	Ozone_8-hr.2015.Dallas	7/31/2021
A	Lead.1992.Collin_Co	7/31/2021
A	Lead.2008.Collin_Co	7/31/2021
D	Ozone_1-hr.1990.Dallas	7/31/2021
d	Ozone_8-hr.1997.Dallas	7/31/2021
d	Ozone_8-hr.2008.Dallas	7/31/2021
f	Ozone_8-hr.2015.Dallas	7/31/2021
D	Ozone_1-hr.1990.Dallas	7/31/2021
d	Ozone_8-hr.1997.Dallas	7/31/2021
d	Ozone_8-hr.2008.Dallas	7/31/2021
f	Ozone_8-hr.2015.Dallas	7/31/2021
D	Ozone_1-hr.1990.El_Paso	7/31/2021
C	CO.1990.El_Paso	7/31/2021
B	PM-10.1990.El_Paso	7/31/2021
d	Ozone_8-hr.1997.Dallas	7/31/2021
d	Ozone_8-hr.2008.Dallas	7/31/2021
f	Ozone_8-hr.2015.Dallas	7/31/2021
B	Ozone_1-hr.1990.Houston	7/31/2021
c	Ozone_8-hr.1997.Houston	7/31/2021
d	Ozone_8-hr.2008.Houston	7/31/2021
f	Ozone_8-hr.2015.Houston	7/31/2021
A	SO2.2010.Freestone_Anderson_Cos	7/31/2021
B	Ozone_1-hr.1990.Houston	7/31/2021
c	Ozone_8-hr.1997.Houston	7/31/2021
d	Ozone_8-hr.2008.Houston	7/31/2021
f	Ozone_8-hr.2015.Houston	7/31/2021
D	Ozone_1-hr.1990.Beaumont	7/31/2021
e	Ozone_8-hr.1997.Beaumont	7/31/2021
B	Ozone_1-hr.1990.Houston	7/31/2021
c	Ozone_8-hr.1997.Houston	7/31/2021
d	Ozone_8-hr.2008.Houston	7/31/2021
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A	SO2.2010.Howard_Co	7/31/2021
A	SO2.2010.Hutchinson_Co	7/31/2021
D	Ozone_1-hr.1990.Beaumont	7/31/2021
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d	Ozone_8-hr.1997.Dallas	7/31/2021
d	Ozone_8-hr.2008.Dallas	7/31/2021

f	Ozone_8-hr.2015.Dallas	7/31/2021
d	Ozone_8-hr.1997.Dallas	7/31/2021
d	Ozone_8-hr.2008.Dallas	7/31/2021
f	Ozone_8-hr.2015.Dallas	7/31/2021
B	Ozone_1-hr.1990.Houston	7/31/2021
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B	Ozone_1-hr.1990.Houston	7/31/2021
c	Ozone_8-hr.1997.Houston	7/31/2021
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A	SO2.2010.Navarro_Co	7/31/2021
D	Ozone_1-hr.1990.Beaumont	7/31/2021
e	Ozone_8-hr.1997.Beaumont	7/31/2021
A	SO2.2010.Rusk_Panola_Cos	7/31/2021
d	Ozone_8-hr.1997.Dallas	7/31/2021
d	Ozone_8-hr.2008.Dallas	7/31/2021
f	Ozone_8-hr.2015.Dallas	7/31/2021
d	Ozone_8-hr.1997.Dallas	7/31/2021
d	Ozone_8-hr.2008.Dallas	7/31/2021
A	SO2.2010.Rusk_Panola_Cos	7/31/2021
D	Ozone_1-hr.1990.Dallas	7/31/2021
d	Ozone_8-hr.1997.Dallas	7/31/2021
d	Ozone_8-hr.2008.Dallas	7/31/2021
f	Ozone_8-hr.2015.Dallas	7/31/2021
A	SO2.2010.Titus_Co	7/31/2021
K	Ozone_1-hr.1990.Victoria	7/31/2021
B	Ozone_1-hr.1990.Houston	7/31/2021
c	Ozone_8-hr.1997.Houston	7/31/2021
d	Ozone_8-hr.2008.Houston	7/31/2021
d	Ozone_8-hr.2008.Dallas	7/31/2021
f	Ozone_8-hr.2015.Dallas	7/31/2021

# JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

## TEXAS



Number of CBRS Units:	35
Number of System Units:	17
Number of Otherwise Protected Areas:	18
Total Acres:	702,879
Upland Acres:	117,930
Associated Aquatic Habitat Acres:	584,949
Shoreline Miles:	313

Boundaries of the John H. Chafee Coastal Barrier Resources System (CBRS) shown on this map were transferred from the official CBRS maps for this area. CBRS units are depicted on this map (in red) for informational purposes only. The official CBRS maps are maintained by the U.S. Fish and Wildlife Service and are available for download at <http://www.fws.gov/CBRA>.



## ENVIRONMENTAL DETERMINATION DOCUMENTATION- Minor Home Repair-Rehab

### **Coastal Zone Management**

HUD Guidance:

Is the project located in, or does it affect, a Coastal Zone as defined in your state Coastal Management Plan?

All minor home repair and home repair properties are located in the CZ but because the project description does not consist of new construction, land conversion, major rehabilitation or substantial improvements to the properties, coordination with the Texas State Coastal Zone Management Program is not required.

### **Endangered Species**

HUD Guidance:

Does the project involve any activities that have the potential to affect species or habitats?

Project activities have no potential to affect threatened or endangered species, demolition and reconstruction of a home on the same site footprint in a developed urban area generally falls into the category of activities that do not have the potential to affect endangered species.

### **Explosive and Flammable Facilities**

HUD Guidance:

Does the project include any of the following activities: development, construction, rehabilitation that will increase residential densities, or conversion?

No, the nature and location of these projects will not include a hazardous facility, rehab or renovation that will result in an increase in the number of people congregating or living there, nor increase residential density, nor will the project be converting the use of a building or making vacant building habitable.

Does the proposed HUD-assisted project include a hazardous facility (a facility that mainly stores, handles or processes flammable or combustible chemicals such as bulk fuel storage facilities and refineries)?

No, the scope of project is Minor Home Repair on a residential home.

### **Floodplain Management**

HUD Guidance:

Do any of the exceptions at 55.12(c) apply?

The following exception applies, so the project is in compliance with Executive Order 11988: 55.12(c)(10), special projects directed to the removal of material and architectural barriers that restrict the mobility of and accessibility to elderly and persons with disabilities.

### **Noise Abatement and Control**

HUD Guidance:

HUD's noise standards may be found in 24 CFR Part 51, Subpart B. For proposed new construction in high noise areas, the project must incorporate noise mitigation features. Consideration of noise applies to the acquisition of undeveloped land and existing development as well.

Based on the project description, this project includes no activities that would require further evaluation under HUD's noise regulation. The project is in compliance with HUD's Noise regulation. Site visit by City staff did not reveal any major noise sources in the vicinity.

### **Wetlands Protection**

HUD Guidance:

Does an exception apply?

Does this project involve new construction as defined in Executive Order 11990, expansion of a building's footprint, or ground disturbance?

Minor home rehabilitation does not have the potential to affect wetlands.

### **Environmental Justice**

HUD Guidance:

Does the project create adverse environmental impacts?

The activities described herein do not have a disproportionate impact on low income persons or minorities. These activities are designed to enhance affordable housing opportunities for low and moderate income persons and no further review of this matter is required

**MEMORANDUM OF UNDERSTANDING BETWEEN  
THE DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT REGION VI, FORT WORTH,  
TEXAS  
AND  
THE ENVIRONMENTAL PROTECTION AGENCY, REGION 6, DALLAS, TEXAS**

This memorandum of understanding ("MOU") is intended to memorialize an understanding between the Environmental Protection Agency ("EPA") and the Department of Housing and Urban Development ("HUD") concerning the review of proposed federal financially assisted projects located in whole or in part in the designated sole source aquifers in EPA Region 6 (Arkansas, Louisiana, New Mexico, Oklahoma and Texas) (including any recharge zone, streamflow source area, or artesian zone, where designated), which are described and depicted on the maps in Attachment A (hereinafter "Aquifers"). This MOU is a voluntary agreement that expresses the good-faith intentions of HUD and EPA, is not intended to be legally binding, does not create any contractual obligations, and is not enforceable by any party. This MOU does not obligate and will not result in an exchange of funds, personnel, property, services, or any kind of financial commitment.

This memorandum outlines the agreed-upon procedures for determining which projects located within Aquifers should be forwarded to EPA for evaluation or formal review. It also outlines the procedures to be followed and the general criteria EPA will use in such evaluations or formal reviews.

**Background**

Pursuant to Section 1424(e) of the Safe Drinking Water Act (PL 93-523, 42 U.S.C. § 300h-3(e)), EPA has determined that the Aquifers are sole or principal sources of drinking water. As such, no commitment for Federal financial assistance may be entered into for any project which EPA determines may contaminate the Aquifers so as to create a significant hazard to public health. "Federal financial assistance," in 40 CFR §149.101(g), is defined in part as "any financial benefits provided directly as aid to a project ... in any form including contracts, grants, and loan guarantees."

HUD administers funds under programs subject to the Department's National Environmental Policy Act (NEPA) implementing regulations in 24 CFR Part 50 (Part 50), Protection and Enhancement of Environmental Quality. HUD is the responsible Federal official for NEPA purposes for these regulations. 24 CFR 50.4(d) of these regulations requires compliance with Section 1424(e) of the Safe Drinking Water Act and 40 CFR Part 149.

HUD regulations at 24 C.F.R. Part 58 ("Part 58"), Environmental Review Procedures for Entities Assuming HUD Environmental Responsibilities, allow the assumption of authority to perform the environmental reviews by Responsible Entities (REs), which are units of general local government, such as a town, city, or county, or a tribe, or state. The RE is responsible for the scope and content of the review and making the environmental finding. The certifying officer

of the RE, usually the mayor or governor, signs the review and takes legal responsibility for the review. Part 58 applies when legislation for a program allows States, tribes, and/or local governments to assume environmental review authority (See 24 C.F.R. 58.1(b) for a list of programs authorized under Part 58). Local governments must assume environmental review responsibility for grants made directly to the local government when legislation permits. They are encouraged to be responsible for the environmental review in cases where the grants are made to other entities, such as nonprofit organizations and public housing authorities. 24 C.F.R. § 58.5(d) of these regulations requires compliance with Section 1424(e) of the Safe Drinking Water Act.

### Goals

The goals of this MOU are to (1) ensure that each project receiving federal financial assistance is designed to prevent the introduction of contaminants into the Aquifers in quantities that may create a significant hazard to public health, interfere with the public welfare, or otherwise contaminate the Aquifer to a level which would require additional treatment facilities by a public water system in order to meet the National Primary Drinking Water Regulations, and to (2) formalize the process by which review of federal financially assisted projects is to be coordinated between the EPA and HUD.

### HUD Responsibilities

HUD will review projects requesting Federal Financial Assistance that are subject to the Part 50 regulation to assure that each project located in whole or in part in the Aquifers, as defined in **Attachment A**, is referred to the EPA Ground Water/UIC Section for evaluation and comment, as follows:

EPA and HUD agree that projects of the type listed in **Attachment B** (attached hereto and incorporated herein) would not normally affect water quality in the Aquifers, and generally need not be referred to EPA for evaluation and comment prior to funding.

HUD agrees to refer to EPA for evaluation and/or formal review the types of projects listed in **Attachment C** (attached hereto and incorporated herein). For any of the proposed projects which are of the types listed in Attachment C, HUD will ensure that the following information is submitted to EPA:

1. A copy of the relevant project application documents, such as plans and specifications (if appropriate).
2. Project location and its relationship to the Aquifers.
3. Description and objective of project or activity, including project design, materials to be used, and any alteration of natural topography.
4. Names/addresses/telephone numbers of any city or county, state or other



Federal Agency's personnel that are involved.

5. Responses to the "Sole Source Aquifer Project Review Information" questions in Attachment D (attached hereto and incorporated herein).

Materials furnished to EPA by HUD under this MOU will be addressed to the attention of the Sole Source Aquifer Program Coordinator, Safe Drinking Water Branch (6WDDG) in EPA's Region 6 Office, 1201 Elm Street, Suite 500, Dallas, Texas 75270.

HUD will contact the Region 6 Sole Source Aquifer Program Coordinator to allow the EPA to determine whether a review is required for any projects receiving Federal financial-assistance which are located in whole or in part in a SSA and/or its recharge zone and are not of a type not listed in either Attachment B or Attachment C.

### **Projects Subject to Part 58**

For projects located in whole or in part within any of the Aquifers depicted in **Attachment A**, it is agreed that projects of the types listed in **Attachment B** would not normally affect water quality in the Aquifer, and generally need not be referred to EPA for review prior to funding.

HUD will inform its Part 58 REs in SSA areas of the exclusions in Attachment B and the requirement to seek EPA's review for the projects of the types listed in Attachment C which are located in whole or in part within a SSA or its recharge zone. For projects listed in Attachment C, REs will submit the same materials to EPA that are listed in the section entitled HUD Responsibilities. HUD will also inform its Part 58 REs of the requirement to contact the Region 6 Sole Source Aquifer Program Coordinator to allow the EPA to determine whether a review is required for any projects receiving Federal financial-assistance which are located in whole or in part in a SSA and/or its recharge zone and are not of a type not listed in either Attachment B or Attachment C.

### **EPA Responsibilities and Interagency Communication**

EPA intends to evaluate and respond to all projects submitted by HUD for formal review or evaluation purposes within forty-five (45) calendar days. EPA reserves the right to seek additional information during the forty-five day review period, and may request, in writing, additional information and additional time for completing its review. However, if EPA is unable to complete its review within that timeframe, no assumption of a determination of a lack of impacts can be made. EPA acknowledges its approval is not required by law before HUD proceeds with funding.

If HUD does not receive a response within thirty (30) calendar days of submitting the project to EPA, HUD may send written notice to the designated EPA liaison officer (or its successor) explaining that HUD has not received a response and call the EPA liaison officer to alert them of the impending deadline.

If no response is received within forty-five (45) days of the initial request for consultation, HUD or a RE may advance the project after notifying in writing the EPA liaison officer that the formal review period has concluded. HUD will not commit funds to a project before notifying EPA that the formal review period has concluded. Although comments from EPA will be accepted at any time, HUD or the RE will consider to the maximum extent practicable those comments that are submitted after the review period has concluded, and will accept EPA's final determination (which will be announced after consultation with HUD or the RE) if received prior to HUD's commitment of funds.

HUD and EPA will each assign a liaison officer to serve as a central contact point and to be responsible for maintaining communications as to procedures and activities of their respective Agency. The liaison officers are:

HUD: Regional Environmental Officer  
Fort Worth, Texas

EPA: Sole Source Aquifer Program Coordinator  
Dallas, Texas

The liaison officers accompanied by appropriate staff will hold meetings as needed to discuss matters of concern related to the Aquifers and this MOU. Liaison officers will work together to prioritize and expeditiously resolve outstanding questions, evaluations, and reviews.

#### **Expenses and No Financial Commitment**

EPA and HUD will each bear its own expenses in connection with the preparation, negotiation, and execution of this MOU, and neither party shall be liable to the other party for such expenses. This MOU does not obligate funds, personnel, services, or other resources of any party. Each party acts as an independent party with respect to the performance of duties under this MOU and is not an employee or agent of another party to the MOU.

#### **Publicity**

The parties will coordinate all press releases, websites, or other public facing documents with regard to this MOU. Neither party may engage in any such publicity regarding the MOU unless the parties consult in advance on the form, timing, and contents of the publicity.

#### **Modification and Duration**

This MOU is to take effect upon signature and remain in effect indefinitely and may be modified at any time through the mutual written consent of EPA and HUD. Additionally, either party may terminate its participation in this MOU at any time by providing written notice to the other, at least thirty (30) days in advance of the desired termination date.

### **Compliance with Applicable Laws**

It is understood and agreed by EPA and HUD, that changes in local, state and federal rules, regulations or laws applicable hereto, may occur during the term of this MOU and that any such changes are automatically incorporated as of the effective date of the rule, regulation or law into this MOU without written amendment hereto. EPA and HUD expressly agree to comply with all applicable federal, state, and local laws.

This MOU is a voluntary agreement that expresses the good-faith intentions of HUD and EPA, is not intended to be legally binding, does not create any contractual obligations, and is not enforceable by any party. This MOU does not create any claim, remedy, right, or benefit, substantive or procedural, enforceable by law or equity, by persons who are not a party to this agreement, against HUD or EPA, their officers or employees, or any other person. Other than the explicit provisions regarding Responsible Entities, this MOU does not apply to any person outside of HUD and EPA. This MOU only applies to the Sole Source Aquifer program requirements.

### **Counterparts and Electronic/Facsimile Signatures**


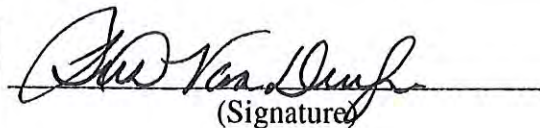
This Agreement may be executed in two or more counterparts, which together shall constitute a single agreement. This Agreement may be executed and transmitted to any other party by facsimile, which facsimile shall be deemed to be, and utilized in all respects as, an original, wet-inked manually executed document.

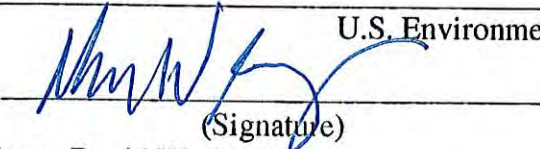
### **Entire MOU**

This MOU constitutes the complete and entire MOU between the EPA and HUD regarding sole source aquifers within EPA Region 6 and replaces all prior agreements or understandings between HUD and EPA regarding sole source aquifers within EPA Region 6. HUD and EPA ARE NOT BOUND BY ANY STATEMENT, PROMISE, CONDITION OR STIPULATION NOT SPECIFICALLY SET FORTH IN THIS MOU. No representative of HUD or EPA has the authority to make any oral statements that modify or change the terms and conditions of this MOU.

**(The rest of this page is intentionally left blank; signatures appear on the following page.)**

**Signature Page for Region VI HUD and Region 6 EPA Sole Source Aquifer MOU**

U.S. Department of Housing and Urban Development	
 (Signature)	 (Signature)
Name: Danielle Schopp Title: Departmental Environmental Clearance Officer Date:	Name: Beth Van Duyne Title: Region VI Administrator Date:

U.S. Environmental Protection Agency	
 (Signature)	
Name: David W. Gray Title: Acting Region 6 Administrator Date:	

## **ATTACHMENT A - DESIGNATED SOLE SOURCE AQUIFERS IN EPA REGION 6**

Specific project locations can be checked for whether they are within the SSA area by using the EPA's interactive map at this link:

<https://www.epa.gov/dwssa>

**ARKANSAS** NONE

**LOUISIANA**

1. Chicot Aquifer System of Southwest Louisiana. Designated sole source aquifer May 27, 1988.
2. Southern Hills Aquifer System. Designated sole source aquifer June 10, 1988.

**NEW MEXICO**

1. Espanola Aquifer System. Designated sole source aquifer January 22, 2008.

**OKLAHOMA**

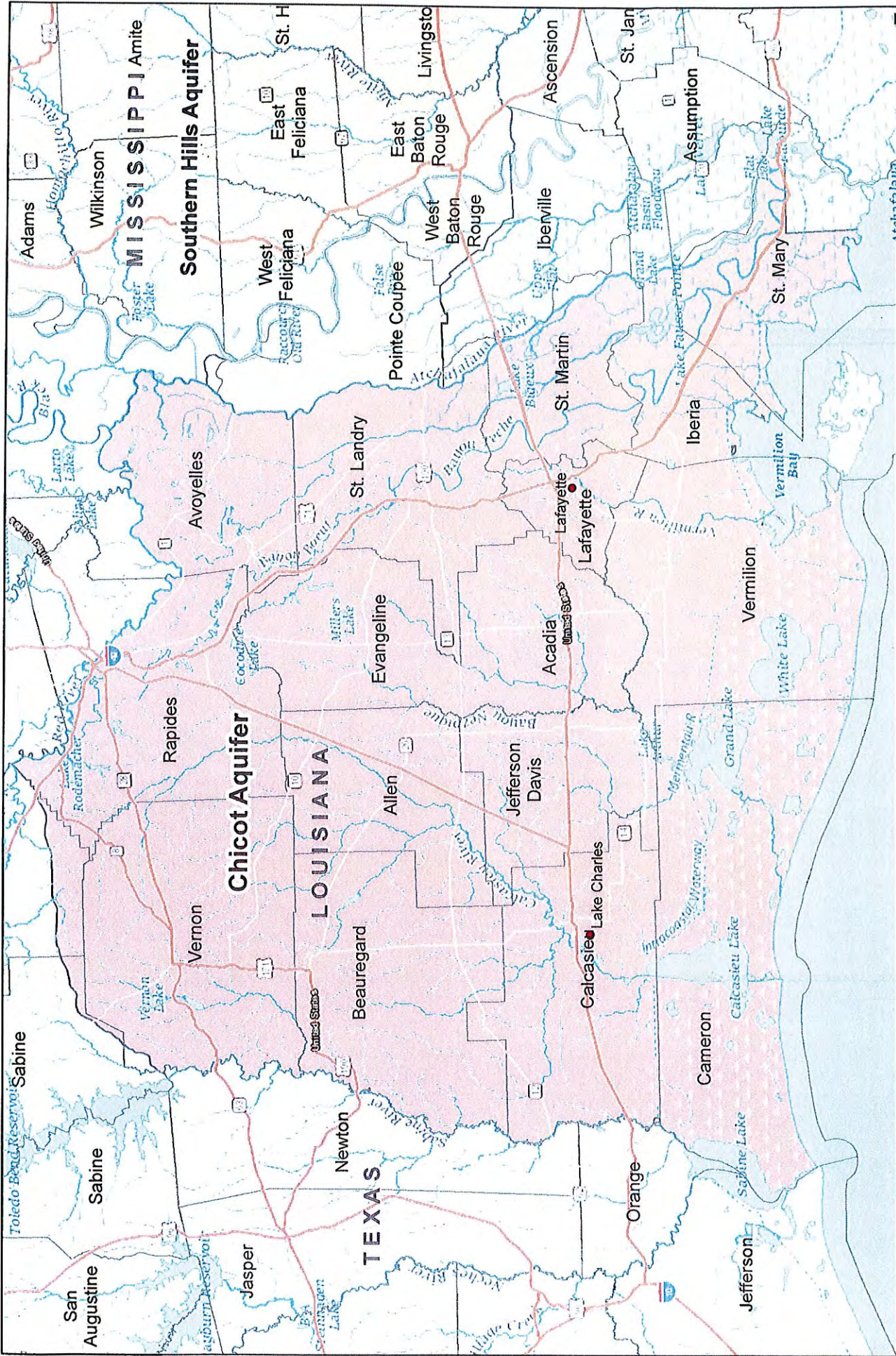
1. Arbuckle-Simpson Aquifer of South Central Oklahoma. Designated sole source aquifer September 13, 1989.

**TEXAS**

1. Edwards Underground Reservoir in an area in or near San Antonio, Texas. Designated sole source aquifer December 10, 1975.
2. A portion of the Austin area Edwards Aquifer in parts of Hays and Travis Counties, Texas. Designated sole source aquifer May 27, 1988.

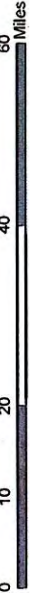
Following are current Region VI sole source aquifer maps as of May 2019. Ongoing accuracy and validity can be verified using the link above or subsequent link to EPA's sole source aquifer GIS layer.

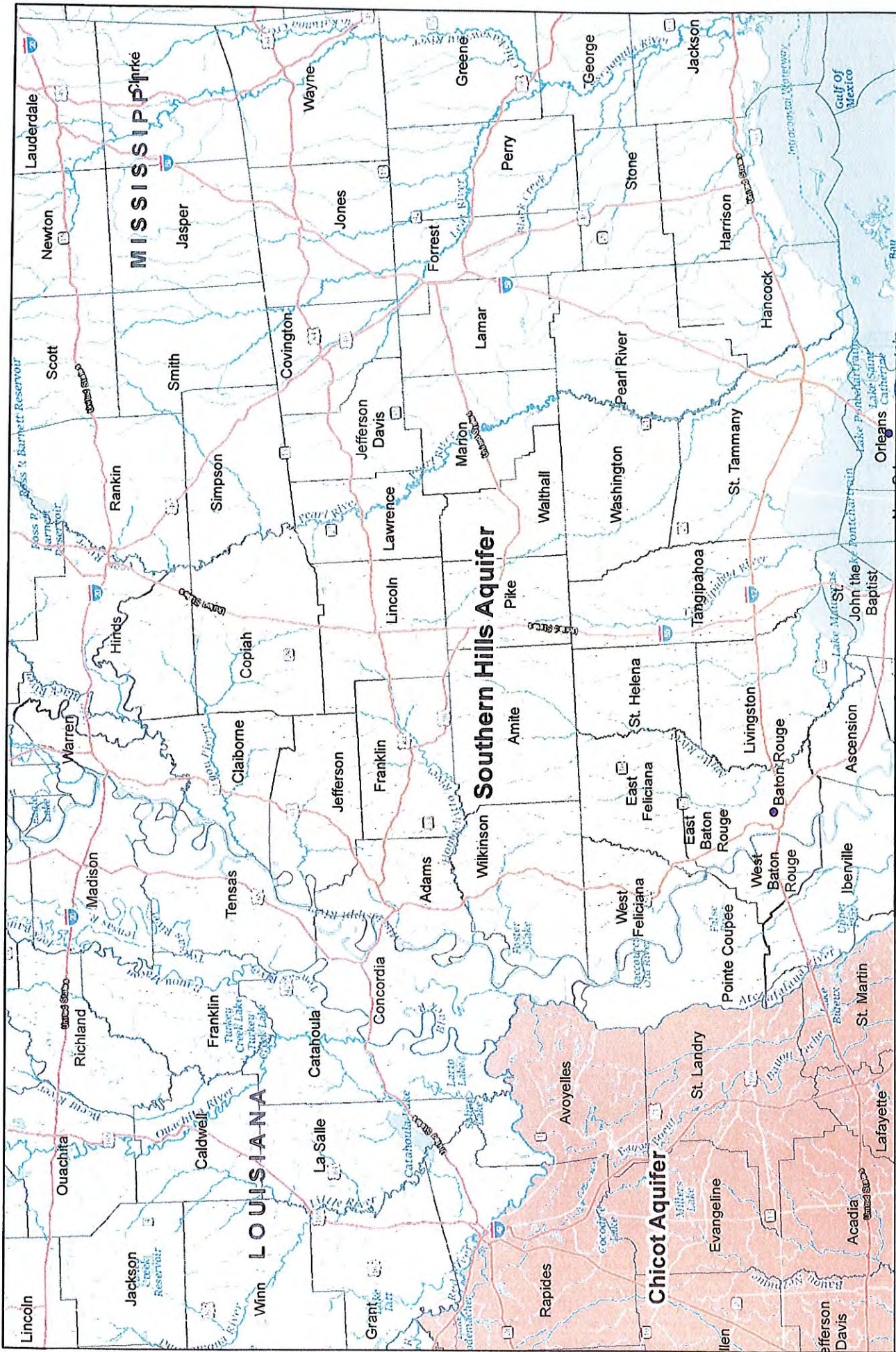
*[maps in high res pdf; to be inserted here in final pdf version of MOU after signature]*



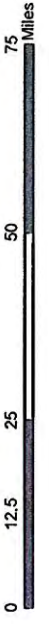
**Sole Source Aquifers**  
**Chicot Aquifer**

Dallas, TX  
 February 15, 2019

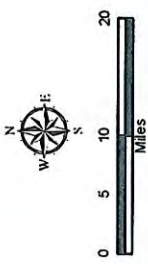
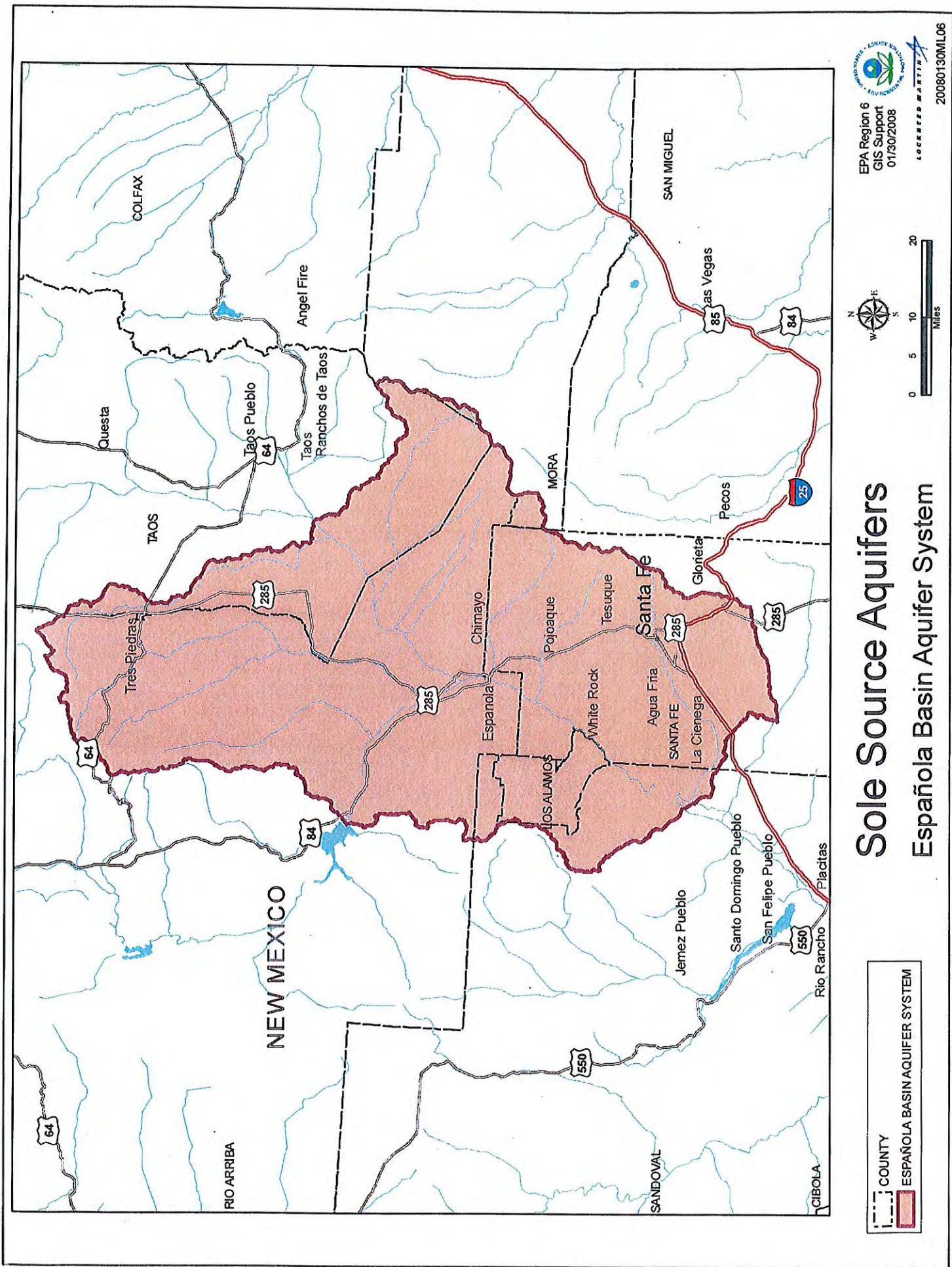




Dallas, TX  
February 15, 2019



**Sole Source Aquifers**  
**Southern Hills Aquifer**

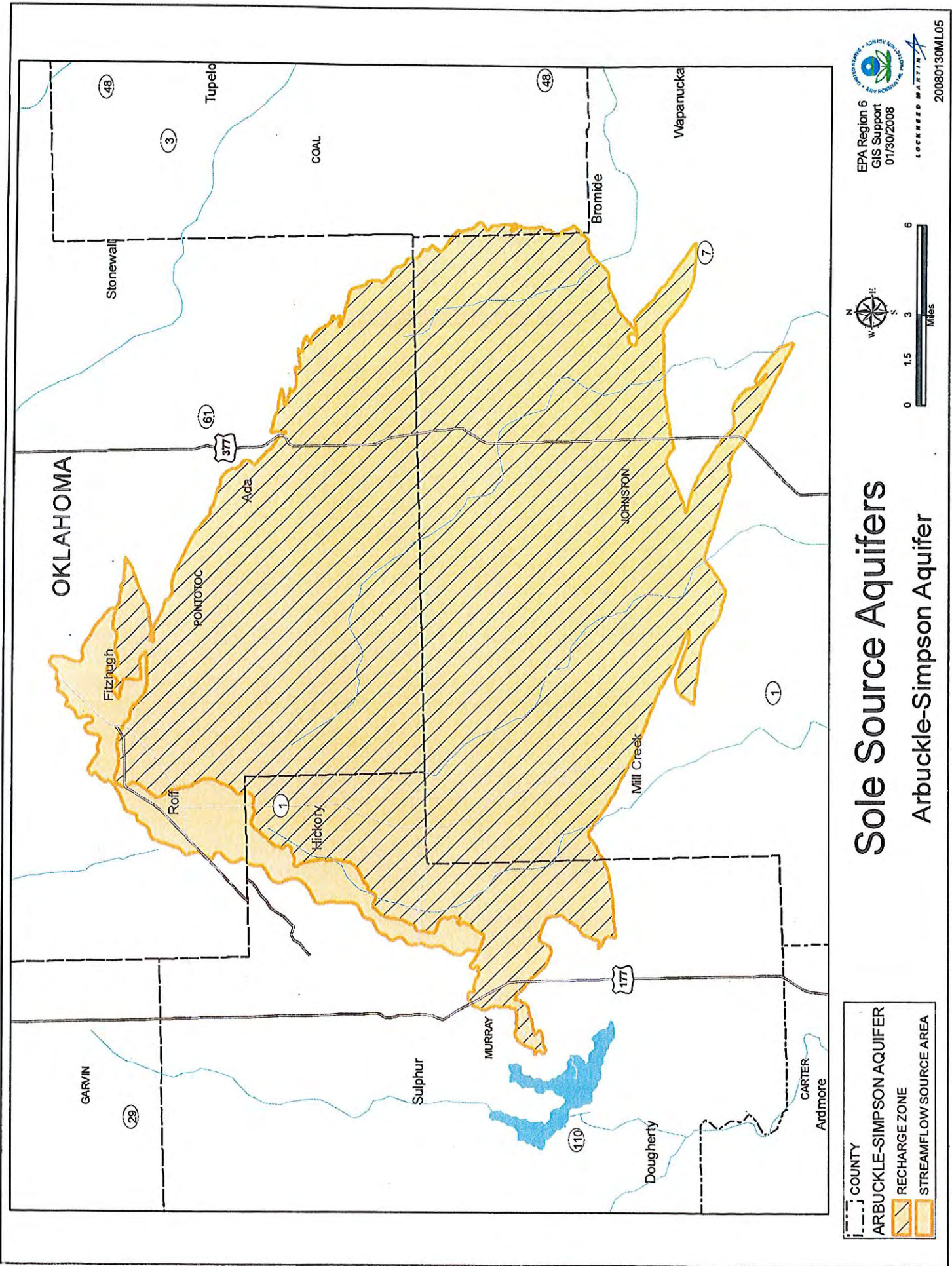


# Sole Source Aquifers

## Española Basin Aquifer System

	COUNTY
	ESPAÑOLA BASIN AQUIFER SYSTEM





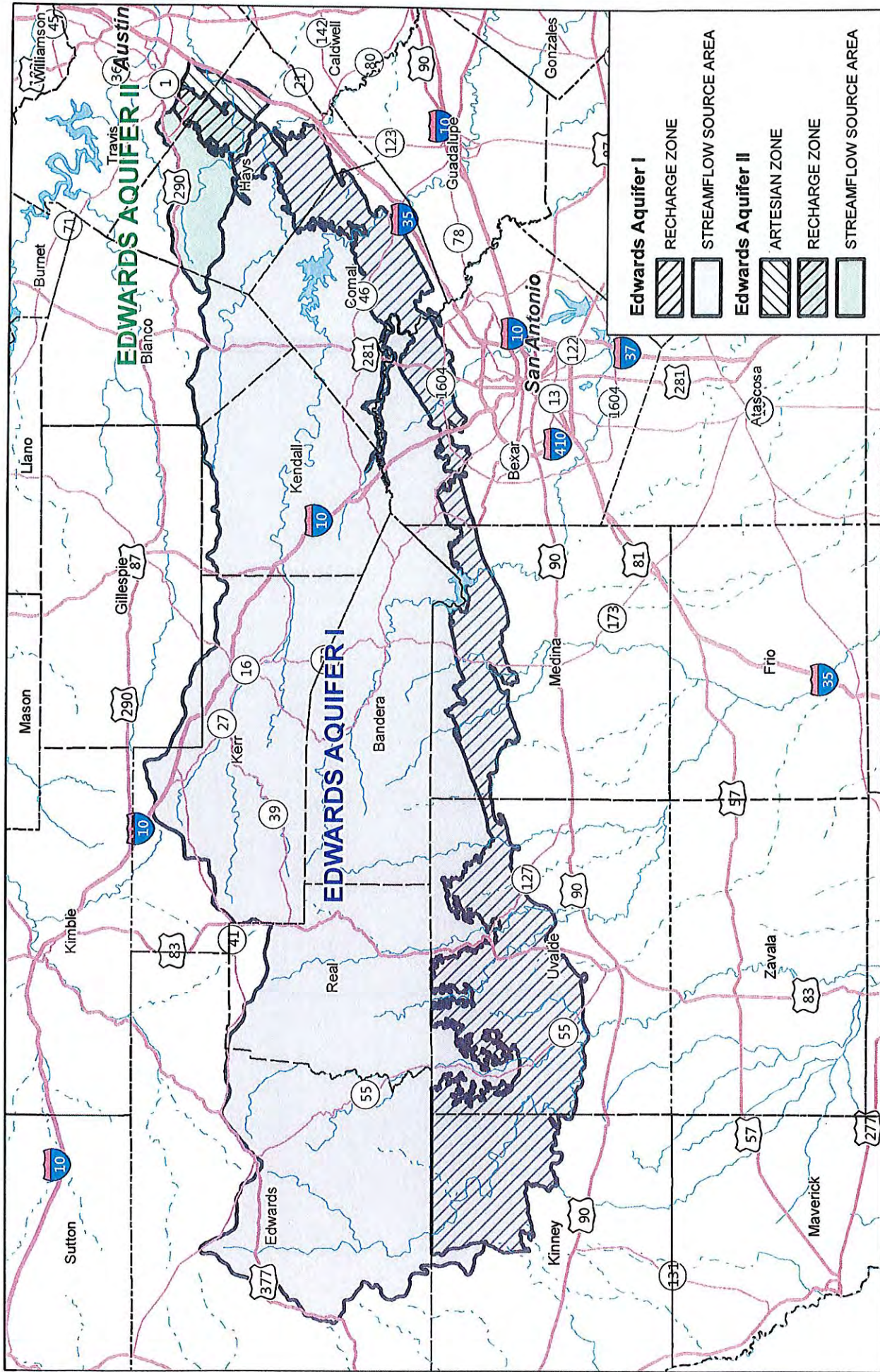
EPA Region 6  
GIS Support  
01/30/2008

LOCKHEED MARTIN

20080130ML05

# Sole Source Aquifers

## Arbutle-Simpson Aquifer



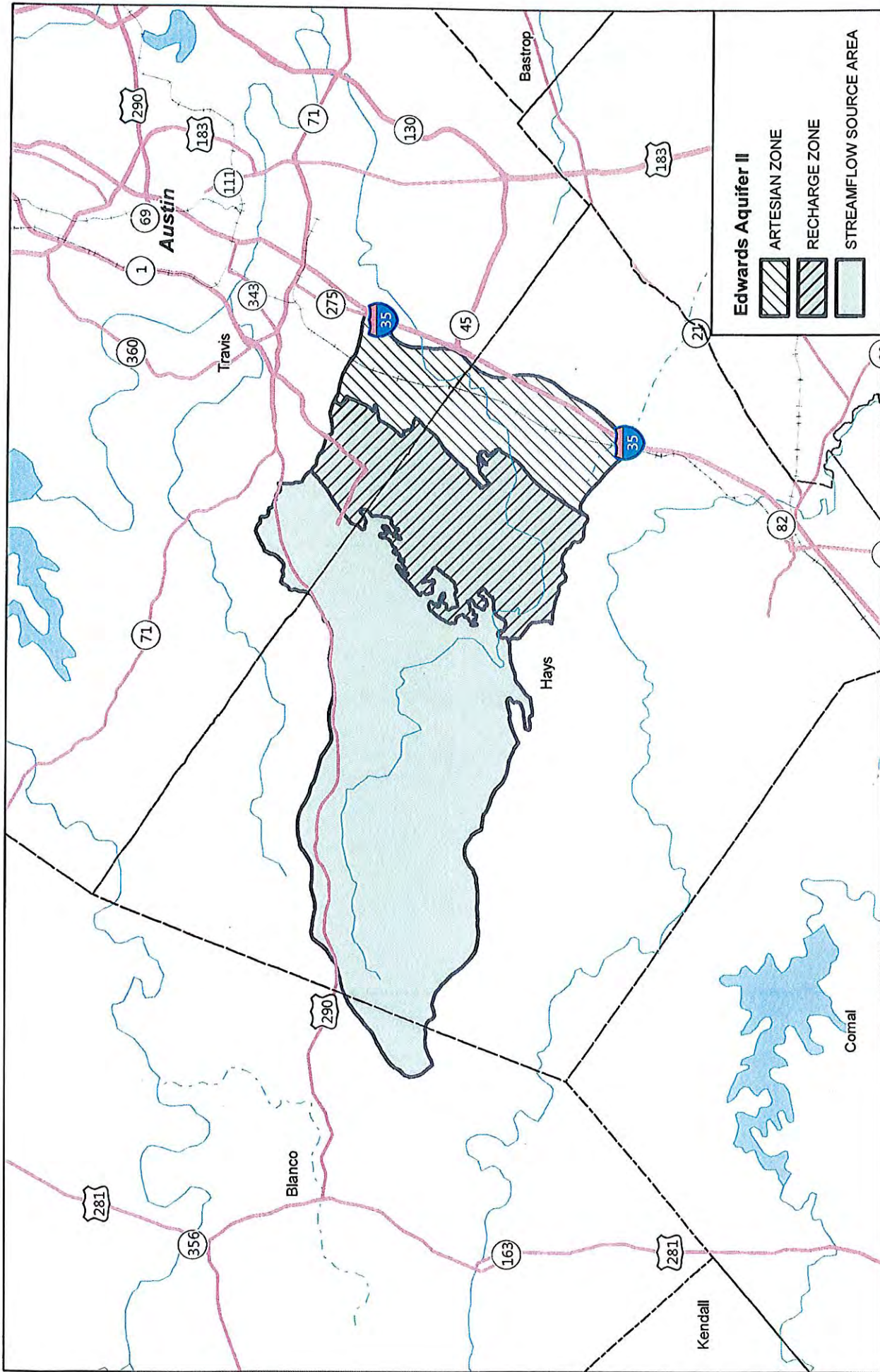
# Sole Source Aquifers

## Edwards Aquifer I and II

Dallas, TX  
February 13, 2018







# Edwards Aquifer II

Dallas, TX  
February 13, 2018



## **ATTACHMENT B - PROJECTS GENERALLY ASSUMED NOT TO AFFECT WATER QUALITY WHICH DO NOT REQUIRE REFERRAL TO EPA FOR REVIEW**

Listed below are the types of projects which are generally assumed not to affect water quality, and which will NOT normally be referred to EPA, unless such project also involves activities listed in Attachment C, or unless EPA has notified HUD's Fort Worth Regional Environmental Officer in writing that EPA has determined that additional review of a project is necessary.

1. All projects whose legal boundaries of the subject property are located wholly outside the Aquifers.
2. New construction, acquisition, or rehabilitation of residential housing that involves no more than four dwelling units.
3. Construction of (or additions to) residential, commercial, industrial projects, public facilities or land developments that will be served by a municipally or publicly owned and operated sewage treatment plant which is operating within the capacity for which it was designed and is not subject to any local, State or EPA imposed moratorium.
4. Rehabilitation or modernization of residential structures, commercial, industrial or publicly owned buildings that are served by a municipally or publicly owned sanitary sewer system operating in compliance with its authorized permit.
5. Acquisition of or financial assistance including refinancing, provision of mortgage insurance, and rental assistance on existing projects, properties, buildings or developments where no alterations, additions or expansion is to take place, and all expenses listed as operating costs in 24 CFR 50.19(b)(13) and 24 CFR 58.35(b)(3).
6. Funding of public services, planning activities, technical assistance, training, payment/repayment or reimbursement of either loans or interest.
7. Activities that exceed 200 surface parking spaces but include concrete/lime surfacing rather than asphalt and comply with storm water permitting requirements.
8. Sites for which consultation with US Fish & Wildlife Service under the Endangered Species Act, Section 7, has yielded mitigation measures to avoid impacts to karst-dwelling species.
9. Sites that have achieved compliance with an MS4 Storm Water Pollution Prevention Plan permit or other authorization managed by San Antonio Water System, Edward Aquifer Authority, City of San Marcos, or other body with oversight authority for the aquifer.

## **ATTACHMENT C - PROJECTS REQUIRING REFERRAL TO EPA FOR REVIEW**

- A. The following projects located in whole or in part within the Aquifers will be referred to the EPA for formal review/comment prior to any commitment of Federal Financial Assistance, unless listed in Attachment B:
1. Construction or rehabilitation of residential (with the exception of single one-to-four family structures excluded under Attachment B), commercial or industrial projects, public facilities, or land developments whose sanitation facilities will consist of individual disposal systems such as cesspools, septic tanks with leach fields or seepage areas, pit toilets, or privately-owned sewerage systems including those owned by a homeowner's association.
  2. Any project or activity for an existing or proposed industrial or recreational facility that manufactures, stores, transports, spreads or disposes of toxic, noxious or hazardous chemicals or radioactive materials, including insecticides, fungicides, and fertilizers.
  3. Any activity where due diligence has indicated the potential for a release of toxic or hazardous substances to the site, pending further investigation; where further investigation including sampling and testing has confirmed the presence of toxic or hazardous substances; or where the site is proposed for or undergoing a cleanup or remediation action with a local, state, tribal or federal agency.
  4. Acquisition, disposition, rehabilitation or new construction of a site intended as a sanitary landfill or other waste storage, transfer, disposal or treatment facility.
  5. Acquisition, disposition, rehabilitation, or new construction of any facility or operation which disposes of its waste water into dry wells, retention ponds, or methods other than a treatment plant.
  6. Acquisition, disposition, rehabilitation or new construction of parking facilities exceeding 200 vehicles with the use of asphalt paving.
  7. Acquisition, disposition, rehabilitation or new construction of storm water drainage facilities that might contaminate an SSA, significant modifications of existing wetlands or sinkholes, or significant modifications or new construction of shallow injection wells (i.e., dry wells, French drains, sumps and drain fields).
  8. Any project or activity involved in agricultural activities or related operations employed in the production, raising, processing and marketing of crops or livestock.
  9. Any project or activity which will result in placement of hazardous materials, e.g., pesticides, into direct contact with ground water or at depths below ten feet, except when in accordance with manufacturer's instructions and approved uses,

or under a workplan with the approval of a regulatory authority.

10. Any other project or activity which HUD determines could be a potential source of contamination to the Aquifers.
- B. The following projects located in whole or in part within the Aquifers will be referred to EPA for evaluation and possible formal review prior to any commitment of Federal Financial Assistance, unless listed in Attachment B:
1. Projects for which a NEPA Environmental Impact Statement (EIS) is required.
  2. Projects that involve the storage or handling of hazardous or toxic materials.
  3. Projects that involve significant domestic waste.
- C. Any project located in whole or in part within the Aquifers for which EPA makes a written request for information will be referred to EPA for evaluation and possible formal review prior to any commitment of Federal Financial Assistance.

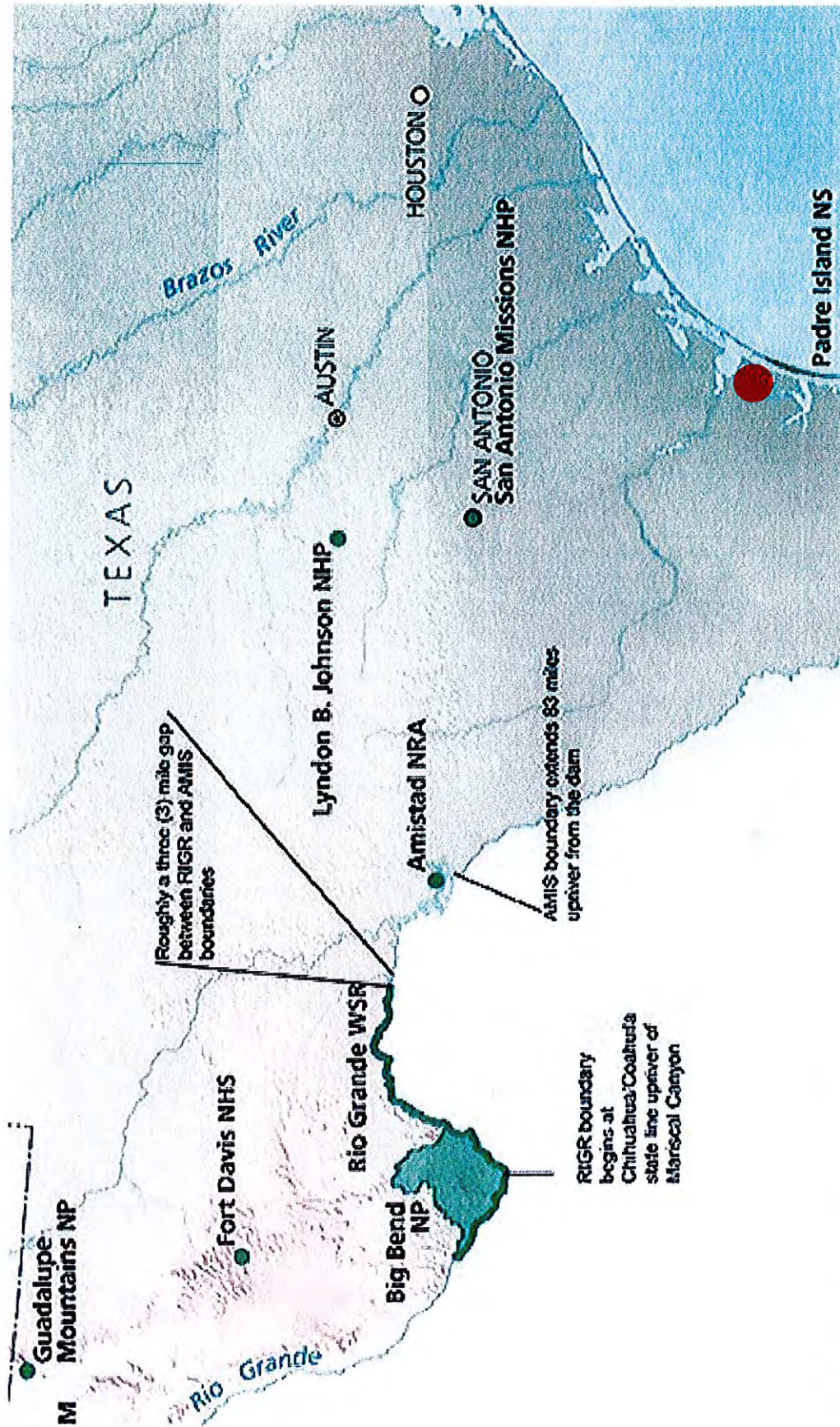
## ATTACHMENT D - SOLE SOURCE AQUIFER PROJECT REVIEW INFORMATION

HUD or the RE will provide the information below at the time of submittal of the project to EPA in order to assist the EPA's Sole Source Aquifer Program in timely evaluating whether proposed projects have the potential to contaminate an SSA. EPA may request additional information as necessary.

1. Confirm an SSA project review is needed.
  - a. Is any portion of the project or the property(ies) involved located within a designated SSA project review area? A searchable interactive map of designated SSA project review areas is available at <https://www.epa.gov/dwssa>. **If the answer to this question is no, EPA does not need to review the project under the SSA program.**
  - b. What Federal funding source is being sought or proposed? **If no Federal financial assistance is sought or proposed, EPA does not need to review the project under the SSA program.**
2. Provide the physical location, or locations, to review. Include the nearest cross street for each location(s), latitude/longitude (preferably in decimal degrees) of the project location(s), a plat, a readable street/aerial map, and the name of the SSA(s) within which the project is located. In addition, if there is a "Start Point" to "Finish Point" (e.g., a road project) for the project, include the latitude/longitude for these locations. Descriptions and/or maps with the information below would be helpful if available and applicable.
  - a. What is known about local hydrogeology in the project review area (e.g., soil types, depth to groundwater, groundwater flow direction)?
  - b. Are there any known wells in the project review area (including groundwater wells; shallow injection wells; and oil, geothermal, and mineral exploration wells) and how close are they to the project?
  - c. Are there any wetlands within the project review area? If applicable, describe any discharge to, loss of, or creation of wetlands by the project.
3. Provide project description, including, but not limited to, answers to the applicable questions below.
  - a. Will the project result in any increase of impervious surface (e.g., concrete, asphalt)? If so, what is the area (e.g., square feet or acres)?
  - b. What is the depth of excavation?
  - c. Will any wells be installed or modified as part of the project (of any use type, including groundwater wells' shallow injection wells; and oil, geothermal, and mineral exploration wells)? For new/proposed wells, indicate depth of wells, depth of casing, casing diameter, and, for water wells, the anticipated average and maximum water demand from the wells during normal operation (gallons per minute).
  - d. Are there any deep pilings or foundations (e.g., greater than 10 feet below land surface) that will be installed, modified, or disturbed during the project?



4. Describe storm water management for the project area.
  - a. Will the project require the use of shallow injection wells (i.e., dry wells, French drains, sumps, and drain fields)? **If the answer to this question is yes, please provide EPA with an explanation as to why these shallow injection wells are required.**
  - b. How will storm water be managed on this site during construction and after the project is complete, including treatment if applicable?
  
5. Describe chemical use and storage associated with the project.
  - a. Will quantities of hazardous chemicals or petroleum above routine household quantities be used or stored in the project review area?
  - b. Are there any aboveground storage tanks or underground storage tanks present or to be installed? Fuel tanks are often involved in projects that include generators and/or pump stations. If applicable, include details of such tanks, including spill containment and spill response plans.
  
6. Describe waste management related to the project, including, but not limited to, answers to the applicable questions below.
  - a. Will any liquid or solid waste be generated during construction (e.g., construction/drilling fluids, excavation dewatering fluids, or demolition debris)? If so, how will it be managed?
  - b. How will liquid or solid waste be managed after project completion, other than routine quantities of household wastes to a permitted sanitary landfill or publicly-owned treatment works (e.g., describe any on-site treatment/disposal, industrial wastewater, or other waste generation)? If applicable, provide details about any individual disposal systems such as cesspools, septic tanks with leach fields or seepage areas, pit toilets, or privately-owned sewerage systems, including those owned by a homeowners' association.
  - c. Are there any known brownfield or hazardous waste sites in close proximity to the project review area (e.g., sites listed on the EPA National Priorities List [i.e., Superfund sites], state-designated brownfield or clean-up sites)? Do any such contaminated sites have underground contamination plumes, monitoring wells, or soil contamination that may be disturbed by the project? Include details such as the name(s) and location(s) of the brownfield or hazardous waste site(s).
  - d. For agricultural projects involving animals, how will animal wastes be managed?
  
7. Provide any other available information (examples below) that could be helpful in determining if this project may potentially create a significant hazard to public health through contamination of a SSA.
  - a. Are Best Management Practices ("BMPs") planned to address any possible risks or concerns? If so, which BMPs will be used?
  - b. Does the project include any improvements that may be beneficial to any SSA, such as improvements to the publicly-owned treatment works?
  - c. Are any previous environmental assessments available regarding the project or project area?



**TABLE 1: OWNERSHIP OF LAND ALONG RIO GRANDE WILD AND SCENIC RIVER**

Ownership	River Miles	% of Total
Private	101.1	51
Federal (Big Bend NP)	71.4	36
State of Texas	26.7	13
<b>Total</b>	<b>199.2</b>	<b>100</b>

Big Bend NP (BIBE): 118  
 Rio Grande Wild & Scenic River (RIGR): 196 miles  
 BIBE & RIGR shared jurisdiction: 69 miles  
 BIBE & RIGR Combined: 245 miles  
 Amistad NRA: 83 miles

**TIER II SITE-SPECIFIC CHECKLIST**  
(Includes all Section 58.5 and 58.6 compliance factors)

Completion of this site-specific clearance constitutes Tier II of a tiered environmental review and includes an analysis of each compliance factor that could not be resolved by the target area (Tier I) review. Compliance factors relevant to this Tier II checklist must be identified in the Tiered Review Strategy for this grant. Submission of completed forms must be provided upon request from HCD/HUD. A copy of the completed Checklist and all supporting documentation must be retained in the project file.

Select the factors identified in the Tiered Review Strategy as needing site-specific clearance by checking the box in the margin before each environmental factor.

- SITE LOCATION MAP** Go to [www.epa.gov/nepa/nepassist](http://www.epa.gov/nepa/nepassist)

**SEC. 58.6 COMPLIANCE FACTORS:**

- AIRPORT RUNWAY CLEAR ZONES AND CLEAR ZONES DISCLOSURES** [24 CFR 51, Subpart D] [24 CFR Part 51.303(a)(3)] The only civil airports in Corpus Christi that meet HUD's service threshold for compliance are: CCIA. Military airports include Cabaniss Field NOLF, Waldron Field NALF and Naval Air Station. Go to [www.epa.gov/nepa/nepassist](http://www.epa.gov/nepa/nepassist)

1. Is the project located within 2,500 feet of a CCIA airport meeting HUD's service threshold or 15,000 feet of a military airport?

- No. Compliance established.  
 Yes. Proceed to question #2

2. Is the project located within an Accident Potential Zone (APZ) or Runway Protection Zone/Clear Zone (RPZ/CZ) at the nearest airport?

- No. Compliance established.  
 Yes. Proceed to question #3

3. Does the project involve new construction, substantial rehabilitation, acquisition of undeveloped land, or activities that would significantly prolong the physical or economic life of existing facilities that will be frequently used or occupied by people?

- Yes. **HUD assistance may not be used for this project.**  
 No. Continue with next question.

- FLOOD DISASTER PROTECTION ACT** [Flood Disaster Protection Act of 1973, as amended (42 USC 4001-4128)] Go to <https://msc.fema.gov/portal/search> and <https://www.arcgis.com/home/webmap/viewer.html?webmap=ec73a2cb49204196a9351b7558ec9eba&extent=-98.015,27.4644,-97.0008,28.0453>

1. Is the project located in a FEMA notification of Special Flood Hazards?

- No. Compliance established;  
 Yes. **HUD assistance may not be used for this project/**Requires that homeowners purchase flood insurance for buildings located in Special Flood Hazard Areas (SFHA), when Federal or Federally-regulated financial assistance is used to acquire, improve, or construct a building. Flood insurance on the property must be monitored and enforced by the grantee throughout the life of the improvement or the life of the financial interest, whichever is less. Maintenance of flood insurance should be a condition of the loan agreement.

NOTE: Grantees choosing to assist projects requiring flood insurance must develop written procedures for monitoring insurance requirements. These procedures would require annual documentation/verification of the community's participation in FEMA's National Floodplain Insurance Program and payment of the property owner's flood insurance premium. Grantees are responsible for ensuring compliance with the insurance requirement.

**SECTION 58.5 COMPLIANCE FACTORS:**

**TOXIC/HAZARDOUS/RADIOACTIVE MATERIALS, CONTAMINATION, CHEMICALS OR GASES**

1. Are there visible dumps, landfills, industrial sites or other locations containing or releasing toxic/hazardous/radioactive/materials, chemicals or hazardous wastes on or near the subject site?

Yes.  No. Document the source information used to make this determination:

2. Does this project site contain an underground storage tank (which is not a residential fuel tank)?

Yes.  No. Document the source information used to make this determination:

3. Do federal, state or local environmental records sources reveal on or nearby sites that may pose threats to the subject site occupants/ health or safety?

Yes.  No. Document the source information used to make this determination:

4. **Determination:** Is the subject property free of hazardous materials, contamination, toxic chemicals, gases and radioactive substances which could affect the health or safety of occupants or conflict with the intended use of the property? Check "yes" only if all answers to 1-3 above are "no."

Yes.

No. Proceed with #5.

5. Sites known or suspected to be contaminated by toxic chemicals or radioactive materials include but are not limited to sites: (i) listed on an EPA Superfund National Priorities or CERCLA List, or equivalent State list; (ii) located within 3,000 feet of a toxic or solid waste landfill site; or (iii) with an underground storage tank. For any of these conditions, the grantee must provide an ASTM Phase I report. Any additional studies that may be required to make a determination must be completed. All ASTM Phase I and Phase II reports must be submitted for review by MSHDA's Environmental Officer.

6. Determination must be made whether nearby toxic, hazardous or radioactive substances could affect the health and safety of project occupants.

7. Provide HCD with proposed measures to mitigate the adverse environmental condition (e.g., shielding, removing or encapsulating the toxic substances) according to the requirements of the appropriate federal, state or local oversight agency; OR reject the subject proposal. Attach all pertinent documentation.

**NOISE ABATEMENT AND CONTROL**

Is the project located within 1000 ft. of a busy road or highway, 3000 ft. of a railroad, 5 miles of a civil airport or 15 miles of a military airfield?  No. STOP here; compliance established.  Yes. Property advisors will notate whether there are any major noise sources in the vicinity and if there are major noise sources present, encourage incorporation of noise mitigation measures (e.g., weather-stripping, window and door upgrades, insulation) into the project where feasible.