



U.S. Mexico Border Needs Assessment and Support Project

Phase 1 Scoping Assessment Report



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Prepared by

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And

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U.S. Mexico Border Needs Assessment and Support Project

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Executive summary

The U.S.-Mexico Border Region¹ is a dynamic area where public health and environmental challenges are interconnected, populations intermingle, and water resources are shared by both countries. While some of the terrain of the border region belongs to large urban areas, a significant extent of the remaining areas are rural communities often with little access to safe and sustainable drinking water and waste disposal facilities, *colonia*²s being among the least served in the region. Assistance for small and rural communities is limited by the communities' ability to get "on the grid" and develop the necessary information and resources to develop partnerships and take advantage of funding, even grants.

In a continued collaboration to address critical public health and environmental challenges in the U.S. Mexico Border region, EPA and USDA have begun a joint initiative to estimate coverage gaps in water and waste disposal infrastructure in this area with more detailed assessments in selected colonias. The project will eventually pilot innovative approaches to assist the least served communities in gaining access to available financial and technical assistance support and in developing a sustainable management entity to support water and wastewater infrastructure over the long-term. This joint effort also directly addresses the Government Accountability Office's 2009 recommendation that an inter-agency task force be formed to leverage collective resources to identify needs within the border region and implement compatible and coordinated policies and procedures.

The current report represents the first phase of the implementation of the project. Using publicly available information and data provided from states and federal agencies, this report provides a description of socio-economic conditions and the overall need of water and waste disposal infrastructure of the area of focus and identifies target areas where communities appear to demonstrate the highest need. Subsequent steps of this joint effort will conduct an on the ground survey to validate information obtained in this report, gather additional field data, and provide the necessary technical support to assist small communities in gaining access to available funding, partnerships, and the capacity to maintain sustainable infrastructure.

¹ Federal agencies define the U.S. Mexico Border region differently. EPA defines the U.S. Mexico Border Region as 62 miles north and south of the U.S. Mexico Border; while USDA and HUD define it as 150 miles north of the U.S. Mexico Border. This report assesses needs only on the U.S. side. Under the scope of this project, to be inclusive of existing federal agency programs, the study adopts the geographic scope of 150 miles north of the U.S. Mexico Border as the U.S. Mexico Border region.

² The USDA defines colonias as 'any identifiable community designated in writing by the State or county in which it is located; determined to be a colonia on the basis of objective criteria including lack of potable water supply, lack of adequate sewage systems, and lack of decent, safe, and sanitary housing, inadequate roads and drainage; and existed and was generally recognized as a colonia before October 1, 1989' [PART 1777—SECTION 306C WASTE WATER DISPOSAL LOANS AND GRANTS](#) [62 FR 33473, June 19, 1997, as amended at 69 FR 65519, Nov. 15, 2004].

Available online at <http://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&SID=a425c89159e3371ce1dc42fbc911e809&r=SECTION&n=7y12.1.1.1.7.0.1.4>.

Other federal agencies' support programs available to colonias differ in the geographic and chronological limitations they give colonias, but adopt common objective criteria for determination.

1. Introduction

a. Background

EPA and USDA have begun a joint initiative to develop approaches to estimate coverage gaps in water and waste disposal infrastructure in the U.S. side of the U.S. Mexico Border region and more detailed assessments in selected colonias. The project aims to pilot innovative approaches to assist the least served communities in gaining access to sustainable and appropriate infrastructure and developing a sustainable management entity to support such infrastructure over the long-term.

The project will be implemented in five phases. In the first phase, the project will conduct an overall assessment using available data for selected variables that have been identified as criteria demonstrating infrastructure needs (see Appendix A). These criteria include water and waste disposal infrastructure availability, environmental, public health, and economic conditions, and availability of already completed or pipeline projects funded by federal and state agencies. In phase two, a targeted outreach effort will be conducted to gather more specific needs, validate the original assessment, and identify partner organizations. The "on-the-ground" needs assessment will allow the development and implementation of phase 3 and 4, a strategy and technical assistance program which targets the colonias identified through the gap analysis. Lastly, the agencies will evaluate the effectiveness of the technical assistance using a variety of metrics including the ability to successfully apply for financial assistance.

b. Objective

The current report represents phase 1 of the project. It was conducted using readily available data. By using findings of gaps in water and waste disposal infrastructure, public investment, environmental and public health challenges, and socio-economic conditions, the report identifies target areas with a description of their health, environmental and public health challenges. Phase 2's needs survey and targeted outreach effort will be conducted in these target areas.

2. Methodology

a. Indicators/data fields to be used

The indicators listed in Table 1 were used to investigate colonias' access to water and waste disposal infrastructure, public investments already made, and the public health, socio-economic and environmental quality conditions of colonias, and existing federal agency investments.

Table 1 List of needs criteria and indicators

Needs criteria	Indicator to be used from existing data base
Geographic location of Colonias	State designated colonias (Source: US Housing and Urban Development)
Existing water and waste disposal infrastructure	Existing Publicly Operated Treatment Works (POTWs) (Source: EPA ECHO data base)
Existing drinking water and waste disposal infrastructure	Number of drinking water and sewer line related construction (Source: U.S. Census Bureau, ACS data base, 2011)
Public health	Incidence rate (per 100,000) of water and food borne infectious disease: Shigellosis, Salmonellosis, Legionellosis, Hepatitis A (Source: States' departments of health)
Environmental quality	Area of impaired water quality (Source: EPA303(d) Listed Impaired Waters)
Economic status	Number of families and people below the poverty level (Source: U.S. Census Bureau)
Past public investment ³	Number of projects funded by EPA U.S. Mexico Border Water Infrastructure Program, USDA Water Environment Program, and EPA State Revolving Fund (SRF) (Source: EPA U.S. Mexico Border Water Infrastructure Program, USDA Water Environment Program, and EPA State Revolving Fund (SRF) (1998-2012))

³ There are other federal, state and local agency investments not yet considered in this report. For instance, U.S Housing and Urban Development exclusively provides funding to colonias through the State Community Block Grant Program. Such additional information will be provided in Phase 2 of the research.

b. Data source and analysis method

Readily available data was used to obtain information on the indicators listed in Table 1. Data sources include: the U.S. Housing and Urban Development, EPA Enforcement and Compliance History Online (EPA-ECHO) data base; the U.S. Census Bureau American Community Survey (ACS) data base, U.S. Geological Survey's U.S. Mexico Border Environmental Health Initiative data base; public health data obtained from the state health departments of California, Arizona, New Mexico and Texas; EPA303(d) Listed Impaired Waters; and program data obtained from USDA Water Environment Program, EPA U.S.-Mexico Border Water Infrastructure Program, and State Revolving Fund program.

Available data was collected, organized and analyzed to determine areas that showed the highest health, environmental and economic challenges. Further analysis is conducted by overlaying water infrastructure, environmental, health and economic data and determining target areas that need priority intervention. Descriptive statistics and mapping (using ArcGIS 10.1) is used to conduct the analysis. Target areas are identified by: (1) the number of designated colonias present in an area; (2) the level of water and waste disposal infrastructure need and public health and environmental risks present; (3) the level of socio-economic challenges; and (4) level of federal funding obtained in the past. The raw data will be provided in a spreadsheet format (such as Excel) and GIS format, and will be used as an input for the detailed assessment and survey which will be conducted in Phase 2.

c. Limitation of the study

This report used available secondary data to make this analysis. When county level or zone level data were used, the study assumes the data will be representative of the conditions the colonias and small communities located within those areas are in. In some cases, complete data was not available. In order to provide in depth and full information of current situations and validate the findings of this report, an on the ground survey will be conducted in Phase 2.

3. Findings

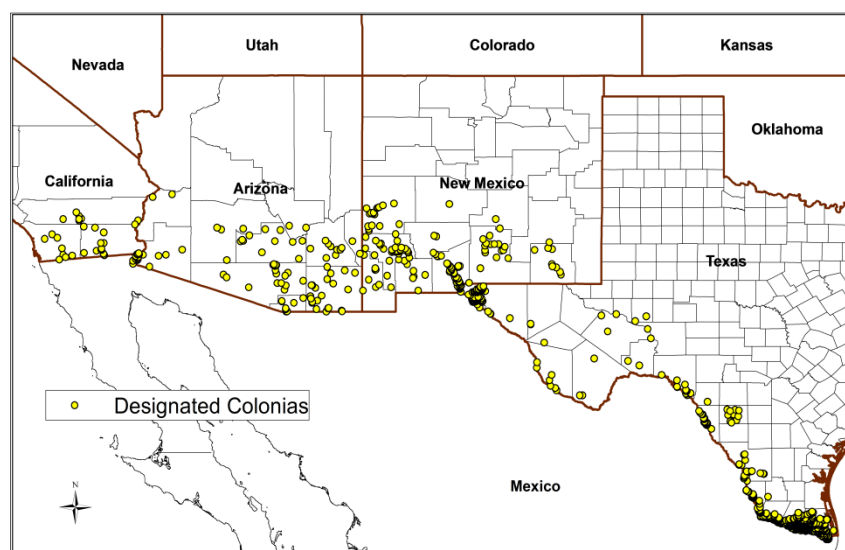
a. Location of colonias

According to the U.S. Department of Agriculture and the U.S. Housing Department data base, there are a total of 2111 state designated colonias. Table 2 shows that Texas has the highest number of colonias, followed by New Mexico, then Arizona and California. Colonia developments tend to be concentrated in certain locations. As Table 3 shows, few counties in each state have a concentration of colonias of 10 or more.

Table 2 Number of Colonias by Border States

State	Number of colonias
New Mexico	129
Texas	1826
California	33
Arizona	123

Map 1 Location of Colonias



Source: U.S. Department of Agriculture; and U.S. Department of Housing and Urban Development, Community Planning Development, Office of Block Grant Assistance, State and Small Cities Division, Robert Peterson (2010)

Table 3 Distribution of colonias by county

State	County	Number of colonias
AZ	Maricopa	3
AZ	La Paz	3
AZ	Gila	3
AZ	Culberson	2
AZ	Greenlee	2
AZ	Pima	8
AZ	Graham	12
AZ	Santa Cruz	10
AZ	Cochise	23
AZ	Yuma	26
AZ	Pinal	31
CA	Riverside	8
CA	San Diego	10
CA	Imperial	15
NM	Chaves	1
NM	Sierra	1
NM	Socorro	1
NM	Lincoln	2
NM	Luna	5
NM	Eddy	7
NM	Hidalgo	7
NM	Otero	15
NM	Catron	18
NM	Grant	35
NM	Dona Ana	37
TX		
	Jeff Davis	1
TX	Jim Hogg	1
TX	Kinney	1
TX	Pecos	2
TX	Terrell	2
TX	Upton	2
TX	Brewster	3
TX	Pecos	6
TX	Hudspeth	6
TX	Presidio	7
TX	Zavala	14
TX	Val Verde	15
TX	Willacy	16

TX	Webb	31
TX	Zapata	33
TX	Maverick	69
TX	Cameron	176
TX	Starr	221
TX	El Paso	296
TX	Hidalgo	924

The following counties with colonias of 10 or more, representing more than 95% of the designated colonias, were selected for further investigation of their current environmental, public health and socio-economic conditions:

- California: Imperial, San Diego
- Arizona: Yuma, Cochise, Graham, Pima, Pinal and Santa Cruz.
- New Mexico: Dona Ana, Grant, Catron, and Otero
- Texas: Hidalgo, El Paso, Starr, Cameron, Maverick, Zapata, Webb, Willacy, Zavala and Val Verde

In addition, the following counties which have less than 10 colonias have been selected for further investigation:

- California: Riverside
- Arizona: Gila, La Paz, Maricopa, Greenlee
- New Mexico: Hidalgo, Luna, Eddy, Sierra
- Texas: Pecos, Presidio and Hudspeth

Appendix B provides the list of names of colonias in each selected county.

b. Existing drinking water and waste disposal infrastructure and their condition

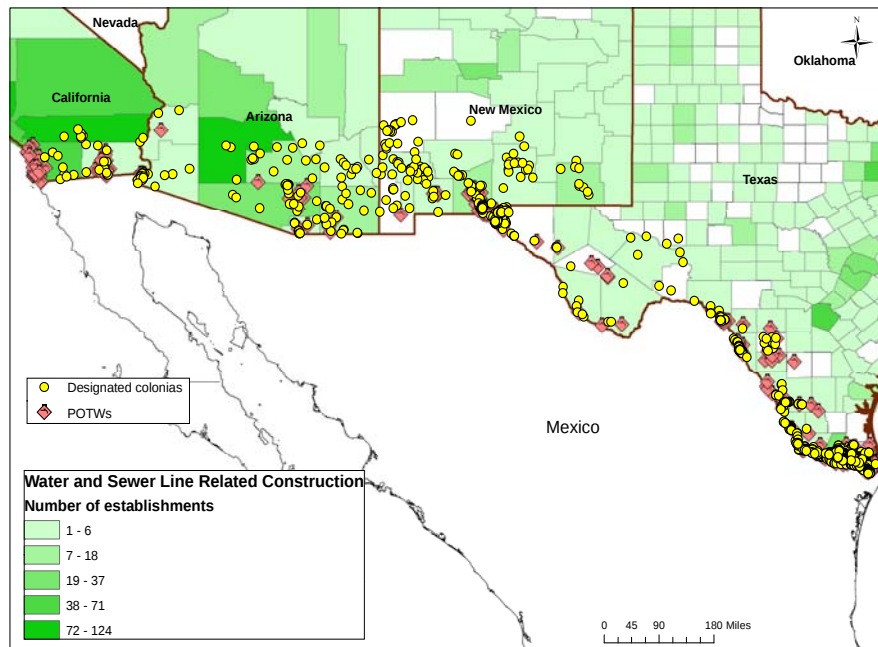
Some colonia residents rely on expensive drinking water sources such as bottled water, water trucks, or potentially unhealthy sources such as untreated or improperly treated individual wells. Many of these communities rely on septic systems whose effluent often surface due to poorly drained soil, malfunctioning systems, high groundwater levels and lot sizes that are too small for proper installation of drainfields. Sometimes colonias are located near public water and sewer systems but not connected to them because either they are unincorporated subdivisions outside municipal limits, they haven't formed a district that permits them to manage their own water and wastewater system, and/or their homes cannot pass inspections to qualify for hookups. Often, property owners cannot afford to pay for repairs to meet the construction codes.

This section investigates the number of Publicly Operated Treatment Works (POTWs), and water and sewer line related construction in the selected colonias⁴. This permits,

⁴ Data on public water systems (PWS) was not publicly available at the time of this research

whenever data is available, areas with little access to infrastructure and/or colonias that can potentially be connected to existing infrastructure when feasible. Data on colonias' connection to water and wastewater systems will be investigated in Phase 2.

Map 2 Water and waste disposal related infrastructure in the Border region



Source: U.S. Census Bureau (2011), EPA ECHO data base (2012)

As shown in Table 4, despite being a high density area, some border counties of Arizona (Cochise, Graham, Santa Cruz, Yuma, and La Paz) and some of Texas' selected counties (Maverick, Starr, Val Verde, Maverick, Webb, Zapata, Zavala and Pecos) have few POTWs and few number of water and sewer related construction. This indicates that the colonias in these counties may lack access to such infrastructure.

Meanwhile, selected counties in California (Imperial County, San Diego, and Riverside), Arizona (Pinal, Pima, Gila, Maricopa), Texas (Cameron, El Paso and Hidalgo) and New Mexico (Dona Ana) have a higher number of POTWs in close proximity to colonias (see Map 2). This indicates that colonias in these areas may already be connected with existing infrastructure or have the potential to be hooked up to existing infrastructure.

Table 4 Access to water and sewer infrastructure of selected counties in the Border

State	County	Number of Publicly Operated Treatment Works (POTWs) ⁵	Number of water and sewer line related construction in 2011 ⁶
AZ	Cochise	6	7
	Graham	Data not available	2
	Santa Cruz	4	3
	Yuma	8	6
	Pima	18	24
	Pinal	17	10
	Gila	12	2
	La Paz	5	2
	Maricopa	66	2
	Greenlee	0	1
CA	Imperial County	36	4
	San Diego	47	71
	Riverside	18	2
NM	Catron	1	Data not available
	Dona Ana	68	11
	Grant	Data not available	4
	Otero	Data not available	5
	Hidalgo	2	Data not available
	Luna	5	2
	Eddy	11	2
	Sierra	5	2
TX	Cameron	66	3
	El Paso	34	13
	Hidalgo	68	20
	Maverick	16	3
	Starr	12	2
	Val Verde	8	4
	Webb	36	3
	Willacy	10	Data not available
	Zapata	4	1
	Zavala	3	Data not available

⁵ EPA ECHO data base (2012)⁶ Source: U.S. Census Bureau (2011). The U.S. Census Bureau definition: This industry comprises establishments primarily engaged in the construction of water and sewer lines, mains, pumping stations, treatment plants and storage tanks. The work performed may include new work, reconstruction, rehabilitation, and repairs. Specialty trade contractors are included in this group if they are engaged in activities primarily related to water and sewer line and related structures construction. All structures (including buildings) that are integral parts of water and sewer networks (e.g., storage tanks, pumping stations, water treatment plants, and sewage treatment plants) are included in this industry.

Pecos	2	2
Presidio	2	1
Hudspeth	1	0

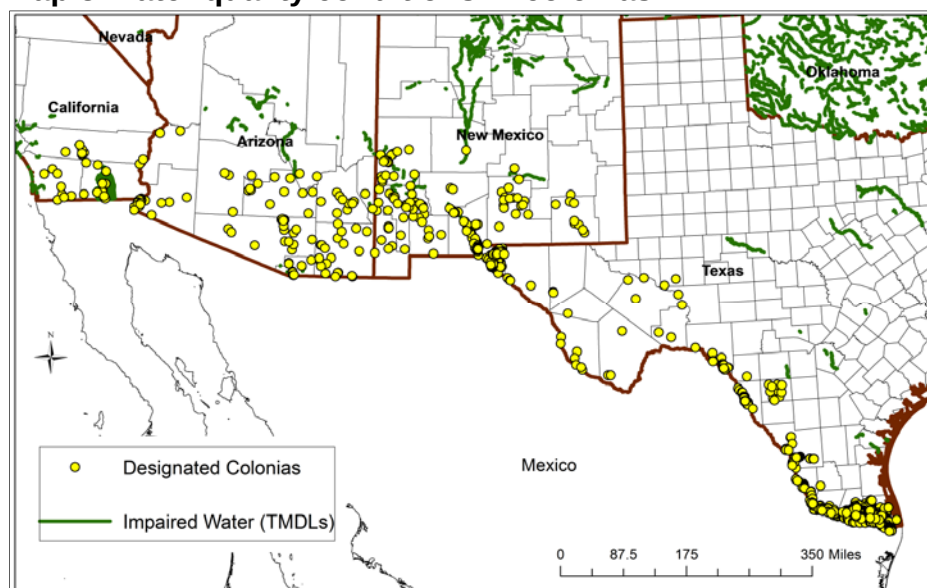
Based on the information above, assuming water and waste disposal shortage is present in counties with 10 or fewer POTWs and/or counties which have water and sewer line related construction of 5 or less⁷, we can group selected counties into three:

- Counties with less available water and waste disposal infrastructure: in Arizona (Cochise, Graham, Santa Cruz, Yuma, Greenlee and La Paz); New Mexico (Grant, Otero, Catron, Hidalgo, Luna, Sierra); and in Texas (Maverick, Starr, Val Verde, Maverick, Webb, Zavala, Zapata and Presidio, Hudspeth and Pecos)
- Counties with available infrastructure: California (Imperial County, Riverside and San Diego), Texas (Cameron, El Paso and Hidalgo) and New Mexico (Eddy, Dona Ana), Arizona (Gila, Maricopa, Pima and Pinal)

c. Water quality conditions

Existing surface water quality conditions are more likely to negatively affect colonia-residents because they lack access to safe water and sanitation services. Inadequate sanitation and failing systems have a negative impact on water quality as well because they are sources of contamination for surface and ground water. This section investigates current surface water quality conditions affecting water bodies near to those colonias.

Map 3 Water quality conditions in colonias



Source: EPA303(d) Listed Impaired Waters (2012)

⁷ Information on capacity and compliance to be provided in Phase 2.

As Map 3 shows, many colonias are located near water bodies designated as impaired⁸ which may increase residents' exposure to water borne diseases. Table 5 summarizes the situation the selected counties are in.

Table 5 Impaired water bodies in selected counties

State	County	TMDL Issue ⁹	Remark
CA	Imperial County	Yes	Several colonias are located near water bodies designated as impaired. 80% of the colonias are within 5 miles of the impaired water
	San Diego	Yes	Colonias are not located within 5 miles of water bodies designated as impaired.
	Riverside	Yes	Several colonias are located near water bodies designated as impaired. More than 62% of the colonias are within 5 miles of the impaired water.
AZ	Yuma	Unrecorded	
	Cochise	Unrecorded	
	Graham	Unrecorded	
	Santa Cruz	Yes	Some colonias are located near water bodies designated as impaired. One colonia (Patagonia) is located within 5 miles of impaired waters.
	Pima	Unrecorded	
	Pinal	Unrecorded	
	Gila	Yes	One colonia (Miami) is located within 5 miles of impaired waters.
	La Paz	Unrecorded	
	Maricopa	Unrecorded	
	Greenlee	Yes	One colonia (Duncan) is located within 5 miles of impaired water.
NM	Dona Ana	Yes	Colonias are typically established along the Rio Grande which is designated as impaired.

⁸ Under section 303(d) of the Clean Water Act, states, territories, and authorized tribes are required to develop lists of impaired waters. These are waters that are too polluted or otherwise degraded to meet the water quality standards set by states, territories, or authorized tribes. The law requires that these jurisdictions establish priority rankings for waters on the lists and develop TMDLs for these waters. A Total Maximum Daily Load, or TMDL, is a calculation of the maximum amount of a pollutant that a waterbody can receive and still safely meet water quality standards.

⁹ This study acknowledges that there may be data gaps in recording water quality issues. Data on water quality will be supplemented by Phase 2's needs survey which will look for additional sources that identify local water conditions (from state and local sources, academia and non-profit organizations).

		92% of colonias are within 5 miles of impaired waters.
Grant	Yes	Some colonias are located near water bodies designated as impaired. 9% of colonias are within 5 miles of impaired waters.
Catron	Yes	Most colonias are located near water bodies designated as impaired. 90% of colonias are within 5 miles of impaired waters.
Otero	Unrecorded	
Luna	Unrecorded	
Eddy	Unrecorded	
Sierra	Yes	Colonias are not located within 5 miles of water bodies designated as impaired
Hidalgo	Unrecorded	
TX		
Hidalgo	Yes	Water bodies of the lower Rio Grande which cross through the county are designated as impaired. Most colonias are located alongside water bodies designated as impaired. 60% of colonias are within 5 miles of impaired waters.
El Paso	Yes	The eastern part of El Paso which borders Rio Grande is designated as impaired. Some colonias live near that location. 6% of colonias are within 5 miles of impaired waters.
Starr	Unrecorded	
Cameron	Yes	Water bodies of the lower Rio Grande which cross through the county are designated as impaired. Some colonias are located alongside water bodies designated as impaired. 30% of colonias are within 5 miles of impaired waters.
Maverick	Unrecorded	
Zapata	Unrecorded	
Webb	Unrecorded	
Willacy	Unrecorded	
Val Verde	Unrecorded	
Zavala	Unrecorded	
Pecos	Unrecorded	
Presidio	Unrecorded	
Hudspeth	Unrecorded	

Based on the above assessment the following counties are identified as risk areas where water quality is affected: Imperial County (CA), San Diego (CA), Riverside (CA), Santa Cruz (AZ), Gila (AZ), Greenlee (AZ), Dona Ana (NM), Grant (NM), Catron (NM), Hidalgo (TX), Sierra (NM), El Paso (TX), Cameron (TX).

d. Public health situation – water and food borne diseases

Lack of access to safe drinking water and sanitation services in border areas put communities at risk to increased exposure to water borne diseases. Currently, water borne disease incidence rates are alarming in border counties: Hepatitis A, Legionella, Salmonella and Shigellosis incidence rates in border counties are respectively more than three, five, four and six times higher than the national U.S. average¹⁰.

This section summarizes the level of water and food borne disease in the selected counties. Shigellosis, Salmonellosis, Legionellosis and Hepatitis A are identified as indicators of the level of water and food borne disease presence in these areas.

Table 6 Level of water and food borne disease in selected counties (2010)

State	County	Shigellosis Incidence Rate (per 100, 000)	Salmonellosis Incidence Rate (per 100, 000)	Legionellosis Incidence Rate (per 100, 000)	Hepatitis A Incidence Rate (per 100, 000)
CA	Imperial County	25.8	23.2	Data not available	Data not available
	San Diego	0.6	16.4	0.7	Data not available
	Riverside	1.9	9.2	0.7	Data not available
CA	State average	2.6	13	0.6	Data not available
AZ	Yuma	132	122.3	0	1
	Cochise	56.4	183	13.9	1.4
	Graham	0	276.4	25.1	Data not available
	Santa Cruz	251.7	315.1	21.1	2.1
	Pima	66.8	212.2	9.8	0.7
	Pinal	45.8	201.4	6.1	1.5
	Gila	84.2	202.1	16.8	3.4
	La Paz	45.9	275.7	45.9	0

¹⁰ Data obtained for the health departments of the U.S. Border States and the Centers for Disaster Prevention (CDC).

	Maricopa	61.8	128.9	11.1	0.8
	Greenlee	115.1	115.1	0	0
AZ	State average	6.8	14.3	1	1.1
NM	Dona Ana	12.9	35.7	Data not available	Data not available
	Grant	Data not available	23.8	1.4	3.4
	Catron	Data not available	Data not available	Data not available	Data not available
	Otero	Data not available	23.5	Data not available	Data not available
	Luna	27.9	15.9	Data not available	4
	Eddy	Data not available	16.4	1.9	Data not available
	Sierra	8.4	25.1	Data not available	Data not available
	Hidalgo	Data not available	20.5	Data not available	Data not available
NM	State Average	8.1	16.8	0.4	0.3
TX	Hidalgo	29.5	24.3	Data not available	0.3
	El Paso	5.3	18	Data not available	0.8
	Starr	17.8	57.9	Data not available	0
	Cameron	22	24.9	Data not available	0
	Maverick	10.9	29	Data not available	0
	Zapata	6.6	26.2	Data not available	0
	Webb	1.9	8.9	Data not available	0.4
	Willacy	31.8	59	Data not available	0
	Val Verde	10	18	Data not available	0
	Zavala	15.6	23.4	Data not available	Data not available
	Pecos	5.6	16.8	Data not available	0
	Presidio	0	11.5	Data not available	Data not available
	Hudspeth	0	26.2	Data not available	0
TX	State average	10.3	19.4		0.5

Looking at selected water borne disease data of targeted border counties, the following counties face a higher incidence rate than the states' respective average values in either one or more types of disease: Imperial (CA), San Diego (CA), Riverside (CA) Yuma (AZ), Cochise (AZ), Graham (AZ), Santa Cruz (AZ), Pima (AZ), Pinal (AZ), Gila (AZ), La Paz (AZ), Maricopa (AZ), Greenlee (AZ), Dona Ana (NM), Grant (NM), Otero (NM), Hidalgo (NM), Luna (NM), Eddy (NM), Sierra (NM), Hidalgo (TX), Starr (TX),

Cameron (TX), Maverick (TX), Zapata (TX), Willacy (TX), Zavala (TX), and Hudspeth (TX).

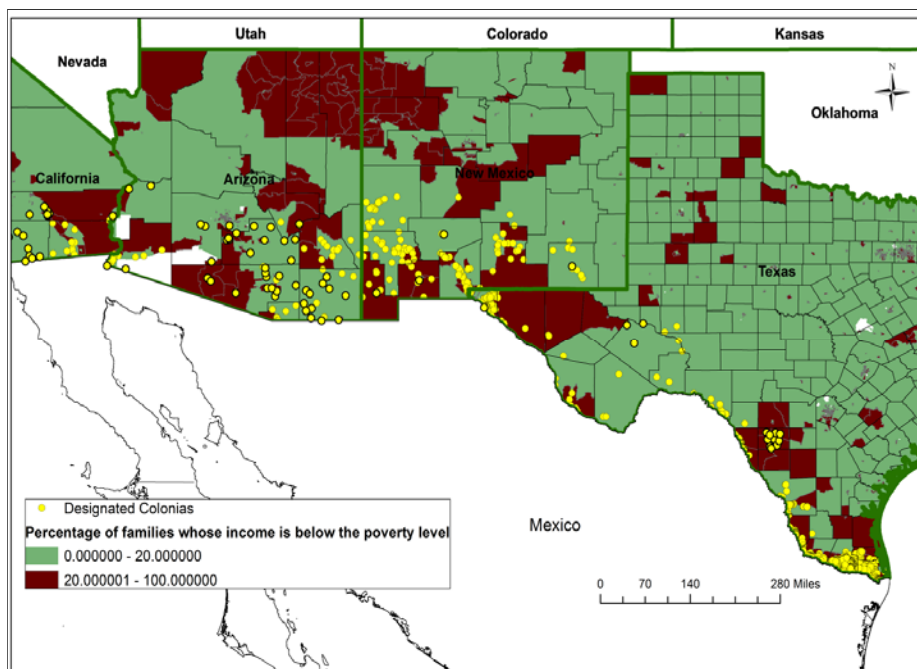
On the other hand, El Paso (TX), Webb (TX), Val Verde (TX), and Pecos (TX) and Presidio (TX) have incidence rates lower than the state average.

Data was not available for Catron (NM).

e. Economic conditions

Border communities live in varied economic conditions. While some areas are experiencing a growing economy, rural and small city border areas often face poverty challenges. Colonias, typically located in rural or around small city areas are often amongst the poorest communities.

Map 4 Poverty level of Border States by Zip Code



Source: U.S. Census Bureau ACS data base (2011)

Details of Map 4 show that areas with a concentrated amount of designated colonies are often affected by poverty. Table 4 provides a summary of the poverty levels in the selected border counties:

Table 7 Poverty level of colonias (by county) using 20% as cut-off point

State	County	Proportion of families who are living under poverty in the majority of the zip codes where colonias are located
California	Imperial County	20% or more
	San Diego	20% or less
	Riverside	20% or more
Arizona	Yuma	20% or more
	Cochise	20% or less
	Graham	20% or less
	Santa Cruz	20% or less
	Pima	20% or more
	Pinal	20% or less
	Gila	20% or less
	La Paz	20% or more
	Maricopa	20% or less
	Greenlee	20% or less
New Mexico	Dona Ana	25% or more
	Grant	20% or less
	Catron	20% or less poor
	Otero	20% or less
	Hidalgo	20% or more
	Luna	20% or more
	Eddy	20% or less
	Sierra	20% or less
Texas	Hidalgo	20% or more
	El Paso	20% or more
	Starr	20% or more
	Cameron	20% or more
	Maverick	20% or less
	Zapata	20% or more
	Webb	20% or more
	Willacy	20 % or more
	Val Verde	20% or less
	Zavala	20% or more
	Pecos	20% or less
	Presidio	20% or less
	Hudspeth	20% or more

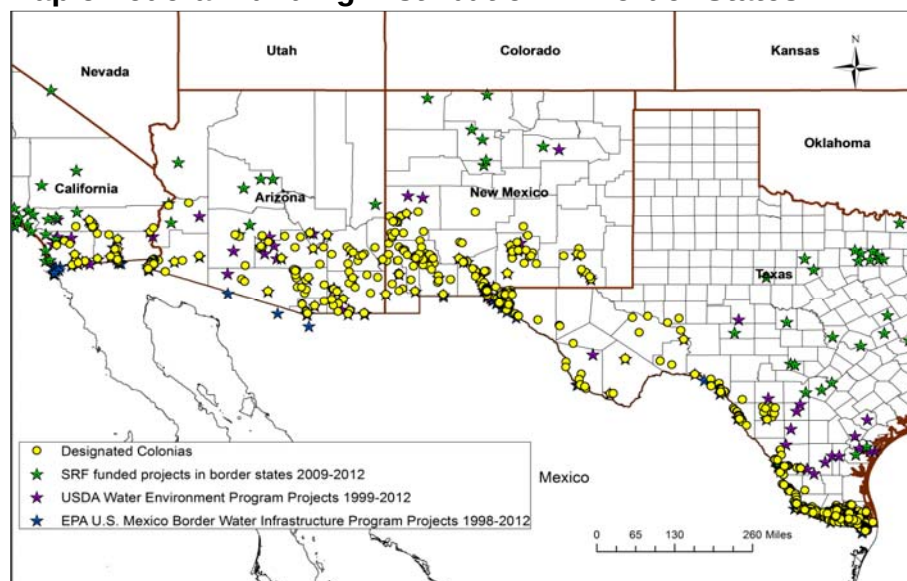
Based on Table 7, using 20% as the cutoff point, the selected counties can generally be grouped into two:

- Colonias located in areas where mostly 20% or more families are living under poverty: Imperial (CA), Riverside (CA), Yuma (AZ), Pima (AZ), La Paz (AZ), Dona Ana (NM), Hidalgo (NM), Luna (NM), Hidalgo (TX), El Paso (TX), Starr (TX), Cameron (TX), Zapata (TX), Willacy (TX), Webb (TX), Zavala (TX), and Hudspeth (TX).
- Colonias located in areas where mostly 20% or less of families are living under poverty: Imperial County (CA), San Diego (CA), Graham (AZ), Cochise (AZ), Santa Cruz (AZ), Grant (AZ), Otero (AZ), Catron (AZ), Pinal (AZ), Gila (AZ), Maricopa (AZ), Greenlee (AZ), Eddy (NM), Sierra (NM), Maverick (TX), Val Verde (TX), Pecos (TX), and Presidio (TX).

f. Past federal agency investments

The U.S. Mexico border region obtains several types of federal and state level of public funding for water and waste disposal infrastructure development. Most of the federal funding for water and waste disposal infrastructure comes from EPA State Revolving Fund and USDA Rural Utilities Service, Water and Waste Disposal Program. This section reviews the level of distribution of federal funding that comes from the U.S. Department of Agriculture Water Environment Program (WEP), the EPA State Revolving Fund (SRF) and the EPA U.S. Mexico Border Water Infrastructure Program¹¹.

Map 5 Federal Funding Distribution in Border States



¹¹ The types of funding assistance provided by these agencies differs program to program. More information on the mentioned funding programs can be found at:

- U.S. Department of Agriculture Water Environment Program (WEP): www.rurdev.usda.gov/uwep_homepage.html
- EPA State Revolving Fund (SRF): www.water.epa.gov/grant_funding/
- EPA U.S. Mexico Border Water Infrastructure Program: water.epa.gov/infrastructure/wastewater/mexican

Table 8 shows the funding gaps present in various locations. Assuming federal funding gap exists in counties which had 10 projects or less funded by three selected federal agencies, we can group selected counties into two categories:

- Counties with gap in federal funding: Graham, Santa Cruz, Gila and Maricopa counties in Arizona; Luna and Sierra counties in New Mexico; and Starr, Maverick, Zapata, Webb, Willacy, Zavala and Pecos counties in Texas;
- Counties with moderate level of funding: Imperial, San Diego, and Riverside counties in California, Yuma, Cochise, Pima, Pinal, and La Paz counties in Arizona; Dona Ana, Grant, Catron, Otero, Hidalgo, Eddy counties in New Mexico; and Hidalgo, El Paso, Cameron, and Val Verde in Texas.

There is a difference in the level of funding obtained from the various federal agencies. For instance Graham and Santa Cruz counties in Arizona, Sierra in New Mexico and Pecos in Texas have received little or no funding from all the selected federal funding sources. Meanwhile, Grant, Catron and Otero Counties in New Mexico have received funding only from USDA Water Environment Program. On the other hand, there had been a relatively concentrated level of investment made by the USDA Water Environment Program in Hidalgo, Texas and Dona Ana New Mexico.

Table 8 Federal funding distribution in selected counties

State	County	Number of EPA U.S. Mexico Border Water Infrastructure Program projects	Number of USDA WEP projects	Number of SRF projects	Total number of projects
California	Imperial County	5	23	1	29
	San Diego	1	14	13	28
	Riverside	0	12	5	17
Arizona	Yuma	4	22	2	26
	Cochise	3	17	2	22
	Graham	0	4	0	4
	Santa Cruz	2	1	0	3
	Pima	0	13	0	13
	Pinal	0	19	0	19
	Gila	0	4	0	4
	La Paz	0	16	3	19
	Maricopa	0	8	2	10
	Greenlee	0	1	0	1
New Mexico	Dona Ana	4	84	0	88
	Grant	0	29	0	29

	Catron	0	18	0	18
	Otero	0	21	0	21
	Hidalgo	1	16	0	17
	Luna	0	10	0	10
	Eddy	0	10	1	11
	Sierra	0	0	0	0
Texas	Hidalgo	6	43	6	55
	El Paso	5	7	1	13
	Starr	1	7	0	8
	Cameron	6	4	1	11
	Maverick	1	4	0	5
	Zapata	0	4	0	4
	Webb	2	3	1	6
	Willacy	1	4	1	6
	Val Verde	2	22	1	25
	Zavala	0	2	0	2
	Pecos	0	1	0	1
	Presidio	0	3	0	1
	Hudspeth	0	0	0	1

It is important to note lack of funding can also be an indicator of a community's incapacity to apply for funding despite existing need. Thus, federal funding data may not be a direct indicator of the level of infrastructure need. Further investigation needs to be made to understand what the situation is like on the ground.

4. Data overlay analysis of target areas

Using the chosen indicators and the findings above, Table 9 provides a summary of the condition the colonias in the selected counties are in and groups together the counties with similar conditions. A description of each group is given below:

- **Group 1:** Counties with low access to water and waste disposal infrastructure, with demonstrated environmental risk and/or public health risk, and where counties are in areas where 20% or higher of families are in poverty: Yuma (AZ), La Paz (AZ), Starr (TX), Zapata (TX), Zavala (TX), Hudspeth (TX), Hidalgo (NM), Luna (NM).
- **Group 2:** Counties with low access to water and waste disposal infrastructure, with demonstrated environmental risk and/or public health risk, and where counties are in areas where 20% or lower of families are in poverty: Cochise (AZ), Graham (AZ), Santa Cruz (AZ), Greenlee (AZ), Maverick (TX), Pecos (TX), Grant (NM), Otero (NM), Catron (NM), and Sierra (NM).
- **Group 3:** Counties with moderate access to water and waste disposal infrastructure but with demonstrated level of environmental risk and/or public health risk, and where counties are in areas where 20% or higher of families are in poverty: Imperial (California), River side (CA), Pima (AZ), Dona Ana (NM), Hidalgo (TX), El Paso (TX), Cameron (TX), Willacy (TX)
- **Group 4:** Counties with moderate access to water and waste disposal infrastructure but with demonstrated level of environmental risk and/or public health risk, and where counties are in areas where 20% or lower of families are in poverty: San Diego (CA), and Pinal (AZ), Gila (AZ), Maricopa (AZ), and Eddy (NM)..
- **Group 5:** Counties with low access to water and waste disposal infrastructure, but with less environmental risk and/or public health risk, and where counties are in areas where 20% or higher of families are in poverty: Webb (TX)
- **Group 6:** Counties with low access to water and waste disposal infrastructure, but with less environmental risk and/or public health risk, and where counties are in areas where 20% or less of families are in poverty: Val Verde (TX), Presidio (TX).

Table 9 Data overlay analysis

Group	State	County	Access to water and waste disposal infrastructure	Counties facing water quality risk (based on 303(d) list)	Counties facing public health risk	Percentage of families living under poverty in zip-codes where colonias are located	Federal funding level
Group 1	Texas	Zapata	Low	Unrecorded	Yes	20% or more	Low
	Texas	Starr	Low	Unrecorded	Yes	20% or more	Low
	Texas	Zavala	Low	Yes	Yes	20% or more	Low
	Texas	Hudspeth	Low	Unrecorded	Yes	20% or more	Low
	Arizona	Yuma	Low	Unrecorded	Yes	20% or more	Moderate
	Arizona	La Paz	Low	Unrecorded	Yes	20% or more	Moderate
	New Mexico	Hidalgo	Low	Yes	Yes	20% or more	Moderate
	New Mexico	Luna	Low	Yes	Yes	20% or more	Low
Group 2	Arizona	Cochise	Low	Unrecorded	Yes	20% or less	Moderate
	Arizona	Graham	Low	Unrecorded	Yes	20% or less	Low
	Arizona	Santa Cruz	Low	Yes	Yes	20% or less	Low
	Arizona	Greenlee	Low	Yes	Yes	20% or less	Low
	Texas	Maverick	Low	Unrecorded	Yes	20% or less	Low
	Texas	Pecos	Low	Yes	Moderate	20% or less	Low
	New Mexico	Grant	Low	Yes	Yes	20% or less	Moderate
	New Mexico	Otero	Low	Unrecorded	Yes	20% or less	Moderate
	New Mexico	Catron	Low	Yes	Data not available	20% or less	Moderate
	New Mexico	Sierra	Low	Unrecorded	Yes	20% or less	Low
Group 3	New Mexico	Dona Ana	Moderate	Yes	Yes	20% or more	Moderate

	Texas	Hidalgo	Moderate	Yes	Yes	20% or more	Moderate
	Texas	El Paso	Moderate	Yes	Moderate	20% or more	Moderate
	Texas	Cameron	Moderate	Yes	Yes	20% or more	Moderate
	Texas	Willacy	Moderate	Unrecorded	Yes	20% or more	Low
	California	Imperial County	Moderate	Yes	Yes	20% or more	Moderate
	California	Riverside	Moderate	Yes	Yes	20% or more	Low
	Arizona	Pima	Moderate	Unrecorded	Yes	20% or more	Moderate
Group 4	California	San Diego	Moderate	Yes	Yes	20% or less	Moderate
	Arizona	Pinal	Moderate	Unrecorded	Yes	20% or less	Moderate
	Arizona	Gila	Moderate	Yes	Yes	20% or less	Low
	Arizona	Maricopa	Moderate	Unrecorded	Yes	20% or less	Low
	New Mexico	Eddy	Moderate	Yes	Yes	20% or less	Moderate
Group 5	Texas	Webb	Low	Unrecorded	Moderate	20% or more	Low
Group 6	Texas	Val Verde	Low	Unrecorded	Moderate	20% or less	Moderate
	Texas	Presidio	Low	Unrecorded	Moderate	20% or less	Low

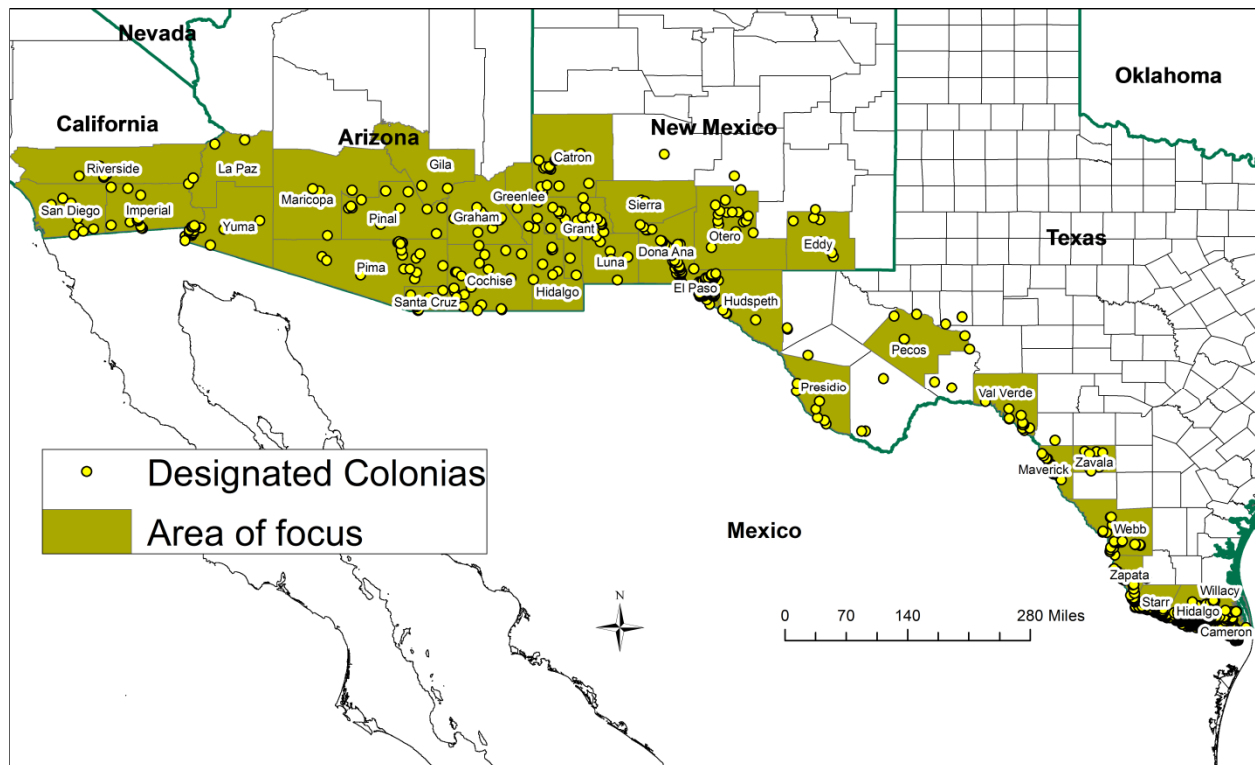
More than 70% of the counties which have demonstrated low access to water and waste disposal infrastructure also have experienced significant public health and water quality challenges (Table 9). This indicates that there is a possible positive relationship between access to such infrastructure and public health and environmental risks that can be further investigated in phase 2 of the project.

The needs survey in Phase 2 will be targeting all the above areas (see Table 9 and Map 6) to validate the findings of this report and conduct further investigation. These areas will also be the focus areas for subsequent phases of the project (Phase 3-5), where the technical assistance strategy will be designed and provided.

The Phase 2 ground survey will permit to identify best options for improving access to safe and sustainable infrastructure in the communities. For instance, the Phase 2 survey may recommend that areas confirmed to have low access to centralized infrastructure would be better served with new or improved access to decentralized infrastructure. On the other hand, other areas may be better served through

connections to nearby centralized water and wastewater infrastructure. The Phase 2 survey will also provide rough cost estimations for appropriate infrastructure, assess the technical capacity of the targeted communities to operate and manage systems and identify organizations with which the communities can partner.

Map 6 Target Areas



Data sources

- U.S. Census Bureau, American Community Survey data base, available online at <https://www.census.gov/acs/www/>
- (US Housing and Urban Development)
- EPA Enforcement Compliance History Online (ECHO), available online at <http://echo.epa.gov/>
- EPA Envirofacts database available online at <http://www.epa.gov/enviro/facts/datadownloads.html>
- Department of Health of California <http://www.cdph.ca.gov/Pages/DEFAULT.aspx>
- Arizona Department of Health Services <http://www.azdhs.gov/>.
- New Mexico Department of Health <http://www.health.state.nm.us/>
- Texas Department of Health Services <http://www.dshs.state.tx.us/>
- EPA303(d) Listed Impaired Waters <http://epamap32.epa.gov/radims/>
- EPA State Revolving Fund (SRF)
- USDA Water Environment Program http://www.rurdev.usda.gov/uwep_homepage.html
- EPA U.S. Mexico Border Water Infrastructure Program <http://water.epa.gov/infrastructure/wastewater/mexican/>

Appendix A: List of needs criteria and indicators

Needs criteria	Indicator to be used from existing data base (Phase 1)	Indicator to be measured through on the ground survey (Phase 2)
Geographic location of Colonias	State designated colonias	
Existing water and waste disposal infrastructure	Existing POTWs	Absence of drinking water and waste disposal facility in targeted area (Y/N) including centralized and decentralized system (individual wells, septic systems, cluster systems, etc.). If (N), location information (long, lat)
	Number of water and sewer line related construction	Absence of drinking water or waste disposal facility in targeted area in the targeted area including centralized and decentralized system (individual wells, septic systems, cluster systems, etc.) (Y/N)
		Presence of malfunctioning/non-compliant drinking water and waste disposal facility in the targeted area including centralized and decentralized system (individual wells, septic systems, cluster systems, etc.) (Y/N)
		Design capacity: Existing drinking water and waste disposal facilities meet the level of need of the community in the targeted area including centralized and decentralized system (individual wells, septic systems, cluster systems, etc.) (Y/N)
		Miles to the nearest drinking water and waste disposal facility from the targeted area including centralized and decentralized system (individual wells, septic systems, cluster systems, etc.)
		Availability of waste management and remediation services

Public health	Incidence rate (per 100,000) of water borne infectious disease: Shigellosis, Salmonellosis, Legionellosis, Hepatitis A	Incidence rate of water borne infectious disease in the targeted area (Group by Documented incidence/ Suspected incidence/ Potential incidence/ No incidence)
Environmental quality	Area of impaired water quality	Type and cause of pollutant affecting water quality in order to plan for remediation measures. (Use other sources identifying local water quality conditions (State, local, academia, NGOs))
Economic status	Number of families and people below the poverty level	Average income of people living in the targeted area
Local regional governance		Local government master plans that are underway (community planning and economic development)
Existing community facility		Distance from existing community facility in the targeted area: hospitals, health clinics, schools, fire houses, community centers, other utilities (electricity, gas, etc.)
Planned federal and state agency investment		Number of projects in the pipeline (through state investment) by type of investment and served population
Previous federal and state agency investment	Number of projects funded by EPA U.S. Mexico Border Water Infrastructure Program, USDA Water Environment Program, and EPA State Revolving Fund (SRF)	Adequacy of previous federal, state and local investment in water and waste disposal infrastructure (group by no previous service/ 50% adequately served/ 100% adequately served)

Demographics	Number of school age children in the targeted area
Demographics	Number of people living in the individual colonias in the targeted area by age group (0-5 years, 6-19, 20-40, 41-55, 56 and above)
Local ordinance	Enforceable local ordinance or zoning rule preventing the development/construction of additional colonias or the construction of new homes without water infrastructure within an existing colonia
Capital costs of proposed facilities	Cost effectiveness of proposed facility (group by unit cost<average cost estimated annually by the state; unit cost = average cost estimated annually by the state; unit cost > average cost estimated annually by the state)
O&M capacity	O&M capacity of the community (group by excellent/ reasonable/ no capacity)

Appendix B: List of names of selected colonias by county

State	County	List of names of colonias
CA	Imperial	C.N. Perry; Kloke Tract; Heber; Winterhaven; Ocotillo; Seeley; El Dorado; Imperial South; Imperial East; Brawley County Water District; Poe; Niland; Bombay Beach; Salton Sea Beach; Palo Verde;
CA	San Diego	Lake Morena; Tecate; Guatay; Jacumba; La Posta Band of Mission Indians; Campo; Campo Kumeyaay Nation; San Pasqual Band of Diegueno Mission Indians; Los Coyotes Band of Mission Indians; Santa Ysabel Band of Mission Indians;
CA	Riverside	Mecca; Thermal; Unincorporated Riverside County ; Santa Rosa Band of Cahulla Indians; Oasis; Ripley; Torres Martinez Desert Cahulla Indians; Coachella Valley
AZ	Yuma	Gadsden; Cocopah Native American Reservation; Rancho Mesa Verde; Somerton; Orange Grove Mobile Manor; Smith Way - Somerton; Drysdale; Padre Ranchitos; Wall Lane; Wellton - Historic Townsite; Tacna; El Prado Estates; Speese Addition; Donovan Estates; Avenue B & C Neighborhood; Dateland; Benson, City of; Cochise County, North West; Naco; Palominas; Pirtleville; Pomerene Domestic Water; Sierra Vista Estates; St. David; Sulger Subdivision; Sulphur Springs Valley; Whetstone; Willcox ; San Luis, City of; Yuma County; Antelope Acres & Antelope Heights; Salt River Pima-Maricopa Indian;
AZ	Cochise	Douglas Original Townsite - Census Tract 9; Tintown Neighborhood; Bakerville Neighborhood; Fry Townsite; Lower Huachuca City; Tombstone; Patrick Dr. Valley View Neighborhood; Prickly Pear Cactus Neighborhood; San Simon; Bowie; Winchester Heights;
AZ	Graham	Bonita/Fort Grant; Artesia; Solomon; Lonestar; San Jose; Klondike; Sanchez; Pima; Bryce/Eden; Fort Thomas;
AZ	Santa Cruz	Nogales - East Quadrant; Nogales - West Quadrant; Nogalitos Neighborhood; Pete Kitchen; Chula Vista; Firestone Gardens; Patagonia; Tumacacori; Carmen; Elgin;
AZ	Pima	Ajo, Community of ; Avra Water Co-op Service Area; Elephant Head, Community of ; Littleton, Community of ; Marana, Town of; Marana Domestic Water ID; Old Nogales Highway; Pascua Yaqui Tribe; Rancho Del Conejo; Red Hill Water Service; Rillito, Community of ; Sahuarita, Town of; Sierrita Mountain Water Co-op.; Three Points, Community of; Tohono O'Odham Nation; Why Community;
AZ	Pinal	Ak-Chin Indian Community; Antelope Peak Domestic Water; Coolidge, City of; Desert Vista Sanitary District; Eloy, City of; Kearny, Town of; Maricopa Mountain DWID; Palo Verde Mountain; Saddleback Vista Subdivision; San Manuel; Seven Ranches ; Superior, Town of; Thunderbird Farms DWID; Villa Grande Domestic Water ID; Maricopa, Community of; Gila River Indian Community
AZ	Gila	Hayden, Town of; Canyon Domestic Water ID;

AZ	La Paz	Colorado River Indian Tribe; Parker, Town of; Quartzsite, Town of;
AZ	Maricopa	Gila Bend, Town of; Hopeville, Community of; Gila River Indian Community;
AZ	Greenlee	Clifton; Duncan
NM	Dona Ana	Sunland Park; La Union; Anthony; Chaparral; Chamberino; Montana Vista; Joy Drive Subdivision; Las Palmeras; Berino; La Mesa; Vado; Del Cerro; San Miguel; Mesquite; Brazito; San Pablo; Tortugas; Fairacres; Winterhaven; Old Picacho; San Ysidro; Dona Ana; Mountain View; Butterfield Park; Cattleland Subdivision; Hill; Organ; Moongate; Leasburg; Fort Selden; Radium Springs; Rodey; El Milagro; Placitas; Rincon; Salem; Garfield;
NM	Grant	Hatchita; Separ; Faywood; White Signal; Whitewater; Dwyer; Redrock; North Hurley; Sherman; Mockingbird Hill; San Juan; Rosedale; Bayard; Santa Clara; Vanadium; Silver City; Arenas Valley; San Lorenzo; Turnerville; Cottage San; Santa Rita; Hanover; Bear Mountain; Mangas; Mimbres; Carlisle; Pinos Altos; Fierro; Riverside; Gila; Cliff; Lake Roberts; Buckhorn; Mule Creek; Gila Hot Springs;
NM	Catron	Pleasanton; Glenwood; Alma; Willow Creek; Mogollon; Beaverhead; Lower Frisco; The Rivers; Rancho Grande; Middle Frisco; Five Bar Ranch; Reserve; Cruzville; Luna; Apache Park; Apache Creek; Aragon; Horse Springs
NM	Otero	Orogrande; Pinon; Timberon; Dog Canyon; Sacramento; Weed; Boles Acres; Mayhill; Dungan; High Rolls; Twin Forks; Cloudcroft; La Luz; Tularosa; Bent;
NM	Hidalgo	Unnamed 1
NM	Luna	Unnamed 1
NM	Eddy	Unnamed 1
NM	Sierra	Unnamed 1
TX	Hidalgo	B & P Bridge (Toluca Ranch); Runn; Parajitos; Zacatal; Relampago; Todd Subd. #3; Mrs. Todd's Subd. #2; Mrs. Todd's Subd. #1; Orchard Homes Addition #2; Lyons; La Frontera Subd.; Shull Addition; Oriente; Rice Addition; A&E Ramirez Subd.; Santa Amalia Subd.; Sanchez Ranch; Southfork Estates; La Reyna Subd.; A&E Ramirez Subd. #2; J. R. Subd. #1; Valle Alto #2; J. R. Subd. #2; Colonia Las Palmas; Capetillo Subd.; Waterfall Road Subd.; O & J Subd.; Valle Alto #1; Bustamante Subd.; Vertress Subd.; Los Leones; Stephenson; Jesus Maria Subd.; Las Haciendas Subd.; Las Fuentes Subd.; 9 North/East FM 493; Las Brisas Del Sur; Beto's Acres; Las Milpas Subd.; H & B Subd.; Hidalgo Park Estates; Palo Verde; Los Ranchitos #1-3; Villas del Valle; Llano Grande Homesites; Universal Estates Subd.; Ramosville; R.C. Babb Subd. #2; Angela; Colonia Evans; South Donna Subd.; Bellaire; Colonia Evans #2; Agua Dulce;

Los Castillos Estates; Tierra Bella Subd.; R.C. Babb Subd.; River Road Subd.; El Sol; Siesta Village #4; Robinette Subd.; Cuellar Subd. #2; R.C. Babb Subd. #3 & 4; Babb RC Mobile Home; Villa Verde Subd.; Tierra Prieta Subd.; Siesta Village #3; Siesta Village #1; Cuellar Subd. #1; Cuellar Subd. #4; Cuellar Subd. #3; Siesta Village #2; Granjeno; La Quinta; Colonia Victoriana; Wildwood Forest; Tierra Del Sol Est; Citrus Retreat Subd.; Schroeder Subd.; Southern Valley Estates; Balli Estates; C.A. Conner & Co. Inc. Subd.; Lotts; Encino #1; La Milpa Subd.; Sunrise Subd.; La Loma Alta Subd.; Westgate Estates; Olivarez #5; I.B. Avila; South Palm Gardens Estates #1; South Palm Gardens Estates #2; South Tower Estates; La Palma #1; La Palma #2; Eastland Park; Colonia George; Boyd Subd. #1; Pentacostal Colonia; Victoria Belen; Rosedale Heights; Southside Village; Panfilo Martinez Subd.; Midway Village Subd.; El Gato; Col Garza; Avocado Park; Balli Subd. #1; Dellinger; La Donna; Road Runner Subd. #2; Esperanza Estates; West Highway Subd.; Balli #2; Starr Subd.; Sings Subd.; North Capisallo; Anaqua Addition; Alamo Orchards; Eagle Heights; Country Living Estates #2; Whitewing Subd.; E Salinas; Country Living Estates; Moore Road Subd.; Royalty House #2 & 3; Roosevelt School; Plumosa Village; HME Subd.; Southridge Park; Alamo Rose R.V. Resort; Lunar Heights Subd.; Madero Townsite; Koenig Winter Resort; Val Verde Grove; Arroyo Park; Villa Donna Subd.; Quiet Village #2; Village Grove #2; Remuda RV Park; Old Rebel Field Subd.; Morningside South; Moore Road; R/S lot J; Benita Addition; Village Grove #1; Valle de Palmas #1; Milagro Estates; Flora Subd.; Clark Subd.; Lorenzana Subd.; Martin; Sun Grove Park; Expressway Heights; San Juan South Estates; Ignacio Perez; Palmview Subd.; New Palm Subd.; V&C; High Point Subd.; San Juan East Subd.; South Point Subd 1-A-B, Ph 2-3; Ridge Road; Colonia Whalen Rd; Chapa #1; Sun Valley Estates #1; Elizabeth Subd.; Victoria Acres; Lantana Subd.; Chapa #5; Olympic Subd.; Heritage Square #2; Capisallo Park; El Nopal; Delta Court; Sun Country Estates; Olivarez #1; Diana Subd. #3; Colonia del Noreste; Diana Subd. #2; Diana Subd. #1; High Land Subd.; Old Rebel Heights Subd. #2; Barbosa - Lopez #2; McDaniel Subd.; Old Rebel Heights Subd. #1; Walston Farms; Miller Resub Lot A; Colonia Guadalupe #3; Barbosa-Lopez Subd. #1; Colonia Guadalupe #2; Colonia Guadalupe; Meadow Creek Country Club; Seventh Street Addition Subd.; Morningside Mobile Home Park; Brown Acres; Leslie Subd.; Browning-Ken #3; VAL VERDE PARK; Palm Heights Subd.; Hi-Land; Francis Addition; Alvarez (sdn); Zambrows; Chapa; Josefina L. Chapa Subd.; Mata Subd.; Donna R.O.W. for Colonia Boyce; Adkins Subd.; Heidelberg; Whalen Acres; La Blanca Heights; Laguna Park; Northern Acres Subd.; Weather Heights #1; Dimas #1; Country Aire Estates #1; Dimas #2; Mile 10 N. @ Mile 5 W.; Bertha Acres; Wes-mer Subd.; Dimas #3; Bar #7; Country Aire Estates #2; Val

Verde North Subd.; Re Subdivision Lot 14 Block 14; M&R Subd.; Mid-Valley Estates; Donna Heights North; High Chapparral; L. R. Bell; Rebecca Subd.; Piquito De Oro; Bryan's Addition; Sno-Bird Estates; Campo Alto; LOS ENCINOS #1; Rancho Escondido; Sno-Bird Estates #2; Diaz Subd.; Los Encinos #2; Royal Palms Estates; Val Bar Estate; Serendipity Way; Citriana Village; Umberto Garcia Jr. Subd.; Sunny Haven Estates; Valley View Estates; Laguna Hermosa; CHAPA 2 (SL9); Morningsun Subd.; Country Aire Estates #4; Olivarez #3; Acevedo Subd. #4; North Alamo Village; Americana Grove #2; Azteca Acres; Sun Valley Subd.; Indian Hills West; Americana Grove Subd.; Yvonne; Tagle Subd. #1; Canadiana Estates; Casa Bonita Subd.; McKee #1; Thirty-Six Palms Terrace; Olivarez #2; Tierra Dorada; Indian Hills East; Four Sure All Right; La Mesa Subd.; Trevino Subd.; 11 North/Victoria Rd-FM 493; Arguello; Sylvia Subd.; Sioux Terrace South; Capisallo Heights; Arguello #2; Paradise Park Subd.; Porciones Center Subd.; Unname Raul Longoria; Sotira Estates; Resub Plat of Jimenez Subd; Bentsen; Romo Subd.; Chapa Subdivision; La Quinta Estates #2; Ash County; Olivarez #6; Colonia Lucero Del Norte; Northside Village Subd. #2; Cerrito Subd.; Pecan Estates #5; Nothside Village #1; Bibleville Trailer Park; Leona Subd.; Ezequiel Acevedo Subd.; Sioux Terrace; Los Trevinos Subd.; North Depot Road; Los Trevinos Subd. #5; Ezequiel Acevedo Jr. Subd. #2; Encino Heights Subd.; Los Trevinos Subd. #2; Sunrise Hill; Tolle; Perezville; Los Trevinos Subd. #3; Ala Blanca Subd. #3; Ala Blanca Subd. #4; Mata Subd. #2; Ala Blanca Subd. #2; Arriaga Subd.; Los Trevinos Subd. #4; Tropical Farms Subd.; Park Lane Subd.; Barrios #2; La Camellia Subd.; La Camellia Subd. A; Olivarez; Ala Blanca Subd. #1; Highland Memorial Park; Bar #4; La Paloma #1; Garza Estates; Gray East & West; Ala Blanca Norte #1; SUNRISE; Chihuahua; Magnolia #1; Lakeside Subd.; Hilda Subd.; Olivarez #10; J & O Subd.; Eldora Rd/FM 1426; Ala Blanca Norte #3; Eldora Gardens Subd.; Eldora Subd.; R.S.W. incorporated #1; Border Subd.; Basham #19; Tierra Bonita #2; Alysonders Estates; Puesta Del Sol; Tierra Bonita #1; Conway Plaza Subd.; Carlos G. Leal, Jr. Subd.; Carlos Acres; Olivarez #4; Ebony Hollow Subd. #1; Ala Blanca Norte #4; Stewart Place Subd.; Ala Blanca Norte #2; Acre Tract; R. Ruiz Subd.; Bodine Subd.; Tierra Linda; Cuatro Vientos Subd.; Tolle Subd. #2; Ramirez Subd.; Palm Acres #1; Ramirez Subd. #2; Tony Subd.; Maier Subd.; Las Palmas Estates Subd.; Ramiro Leal; Ramirez Subd. #4; Bernal Subd.; South Minnesota Road Subd. #3; Tommy Knocker; Thrasher Terrace; Ramirez Subd. #3; Tierra Maria Subd.; South Minnesota Road Subd. #2; Breyfogle Park Subd. #1; Minnesota Acres; Rosa Linda Subd.; Palma Alta; The Highlands; South Minnesota Road Subd.; Nick Garza Subd.; Williams Subd.; Olivarez 15; Mesquite Acres; Olivarez 17; FM 1426/Minn Rd; Chapa Subd. #3; Primavera #2; Marla Subd.; Palmview Paradise;

Chapa South; Beamsley Subd.; Riverside Estates; Evie Subd.; Las Brisas; L. J. #1; Westview Heights; Loma Linda Heights Subd.; Rodriguez Street; Reina Del Sol Mobile Home Esta; Silverado Subd.; Stonegate Subd. #2; Stonegate Subd. #1; Mission West Estates; Akin Development Subd.; Expressway Acres; Primavera Subd. #1; Chapa North; Amigo Park Subd. #1; Sundown's Rec Center; Owassa Rd/Tower Rd; Coronado; Aldamas Subdivision 1 & 2; Ariel Hinojosa Subd.; Olivarez Tr-304; Amigo Park #3; Red Barn Subd.; Minnesota Rd/I Rd; Mel Gray; Tiny Acres; Cole Subd.; Morningside Terrace; Catalina Estates; Dinias Subd.; Restful Valley Ranch; El Charro Subd.; Palm Acres Estates; Country Corner Estates; Pleasant Valley Ranch; Loya Subd.; Arco Iris #2; El Charro #2; LOS TINACOS; Country Grove Estates; Country Village Subd. #2; Nuevo Penitas; Randy Ley; Goodwin Acres #2; Basham #15; 13 North/2 West; Colonia Martinez; Gonzalez-Zamora Subd.; Country Village Subd. #1; Owassa Estates; Colonia Camargo; Goodwin Acres #1; Valley Star Acres; Las Villas Del Valle; Basham #18; Goodwin West Subd #3; El Rio Subd.; King Ranch Subd. #2; King Ranch Subd. #1; Owassa-Kennedy; Enchanted Valley Ranch; Los Ebanos; Citrus Hills Subd.; Blue Rock; Ramirez Estates; Owassa/I Rd; Havana Lomas #5; Citrus Ranchitos Subd.; ALBERTA SUBD; VILLA D VAL; La Homa Road Subd.; Rush Subd.; Lakeview Subd.; Storylane Subd.; Gomez Subd.; Alberta Acres; Havana Lomas #3; Perlas De Naranja; Havana Lomas #4; Glasscock Estates Subd.; Eastview; Tiejerina Estates; Villa Del Sol; Alturas de Azahares; Amigo Park; Matt Subd.; Havana Lomas #2; Palm Creek; Paseo de Palmas Subd.; Penitas; Havana Lomas #1; 13 1/2 North/FM 493; Alberta Estates #2; North Alamo Terrace; Del Norte Subd.; Palmhurst Manor #1; Havana Subd.; La Homa Road North Subd.; Cotter Tract; Grovewood Estates; Villa Del Mundo Subd.; Acacia; Hilda Subd. #2; Patal Estates; Northpoint Subdivision; Welch Tract; Basham #7; Muniz Subd.; Sendero Subd.; Arco Iris Subd.; Palmhurst Estates; COLONIA ESPERANZA #3; La Palma Subd.; Spring Gate Estates; Hilda Subd. #3; COLONIA ESPERANZA #2; Basham #11; Colonia Esperanza #1; Elida Subd.; Jessan Subd.; Guerra Ellis Subd. #1 & 2; Goodwin West Subd #2; Closner Subd.; Bentsen Palm RV Park #2; Randolph Barnett #2; Que Pasa Acres Subd.; Garza Subd; Regal Estates; Basham #6; Wisconsin Road / Dillon Road; Goodwin West Subd #1; Country View Subd.; Olivarez 18; Olivarez #8; Randolph Barnett #1; Tower Road Estates; Borderland Retreat #2; Palmarina; Moreno; Kountry Hill Estates; Murillo Subd.; Trenton Terrace; Borderland Retreat; Trenton Manor; Trenton Acres Subd.; Albino Rodriguez Estates; Olivarez #7; Mary K Acres; Olivarez #9; Goodwin Heights #1; Tierra Del Valle Subd.; Lopez-Gutierrez; Basham #2; Alex Cavazos Subd.; Basham #1; Isaac's Subd.; Big John Subd.; Morningside Estates; James Allen Subd.; Los Ebanos Estates; SH 88/14 North/6 West; Basham #10;

Cuevitas; Villa Capri; Palm Drive North #2; Palm Drive North Subd.; North Country Estates; Jenna Estates; Shary Groves Estates #2; Linda Vista Estates; North Country Estates #2; Monica Acres; Basham Subd. (M & B); Munoz Estates; Tangerine Estates; La Pampa Subd.; Hamlet; Southport; Carlos G. Leal, Jr. Subd. #2; Wisconsin Road / I Road; Uvalde Subd.; Castaneda Subd.; Thomas Ortega Subd.; M/S Subd.; Basham #12; Diamond L Subd.; Seville Park #1; L & P Subd.; La Aurora Subd.; La Paloma Site; Catherine Subd.; Rabbit Patch Subd. #1; GREEN VALLEY ACRES; Orleander Estates; Rabbit Patch Subd. #2; G & R Subd.; St. Clair Acres; Peter Gort; Basham #16; La Hermosa Subd.; Boyd Monger Subd.; Benevides Subd.; Garza Subd. #1; LA FLOR GARD; SH 88/15 North/4 West; North Cross Estates; Louis & JJ Hoyt Sub.; Villa Estates; Garza Subd. #2; El Sol Subd. #2; LA FLOR EST; Kristi Estates #1; Basham #13; Chacon Estates #1; Colonia Allende; Ramona Subd.; Amber Land Subd.; R & G; Colonia San Miguel; Reina Subd.; Celso Subd.; Vales Subd.; Tres Amigos Subd.; Good Valley Ranch Subd. #1; Bella Vista Estates; Las Cuevas; Ranchette Estates; Vereda Tropical; La Homa Grove Estates; Basham #4; Palm Subdivision #2; St. Claire Fisher Subd.; Daniel Ozuna Subd.; Friendly Acres; La Homa Acres #4; La Suena; Las Cuevas #2; N ALAMO EST; Dude Hill #1; Glenshire Estates; Ariel Hinojosa Subd. #3; La Homa Acres; Country Estates West Add. A; La Homa Grove Estates #2; Country Estates West; Inspiration; Thompson Subd.; Enrique Bazan Subd.; Benavides Subd. #2; 15 1/2 North/FM 491; Chula Vista Acres; Dude Hill Subd. #2; Colonia Rafael; La Homa Acres #2; Nelle Estates; Tierra Estates #2; Shary Groves Estates; Puerta Blanca Subd.; Stewart South Subd.; Basham #5; La Homa Terrace Phase I; Basham #8; El Mesquite Subd.; La Homa Terrace Phase II; Tri-City Subd. #2; Haven Subd.; Yokum-Hall Subd.; Tri-City Subd. #1; Ware Oaks; Schuerbach Acres; EL MESQUITE 1; Salas Subd.; Inspiration Rd #3; Rancho Grande Estates; Inspiration Rd #2; La Homa Groves Estates #3; Rodriguez Subd. #2; Inspiration Rd #1; Ricky Subd.; MILE 16; Abram North Subd.; Walton Subdivision; Rodriguez Subd.; Armstrong's Alton Subd.; De La Garza Subd.; Cana de Azucar Subd.; Timberhill Villa; Acevedo #3; Ware Estates; Palm Lake Estates #4; R.L.D.S. Subd.; La Estancia Subd.; Palm Lake Estates #3; Rancho Chaparral; Sunny Brook; Schuerbach Acres #2; Trosper Road Subd.; Timberhill Villa #4; Altamira West #2; Inspiration Heights; Jardin Terrace Subd.; Blue Star Enterprises #2; Palm Lake Estates #1; Moorefield Grove Estates; Green Valley Development Subd.; Fleamarket R.O.W. Subd.; Hill-Top Subd.; La Homa Five Subd.; Stewart Place Community; Ebony Acres; Rosalito Subd.; McDaniel Addition; Colonia Tejana; Monte Alban Subd.; L. D. Morgan's Subd.; Post Oaks Subd.; D. T. Villareal; Ruthven Subd. #2; Stewart Palms Subd.; Aloha Village Subd.; Diamond L Subd. #2; San Carlos Acres;

Los Ninos; Los Padres Subd.; Rankin Subd.; Barney Groves Subd.; Palm Lake Estates #2; Bryan Acres; EVERGREEN EST; La Homa Groves Subd. #1 & 2; Nuevo Alton; Ruthven #1; Val Verde Acres; Glasscock North Subd.; Gernentz Subd.; Citrus City Lake #1; San Juan Subd.; Southern Breeze Subd.; Newkirk Subd.; Shary; Imperial Subd.; Ware del Norte Subd.; Palmas Subd. #2; Palma Subd.; Las Brisas Estates; Wood Subd.; Ware Shadows; Sunrise Estates #1; Sherry; Salinas-Hinojosa Subd.; Citralinda; Gate City Acres; Sunrise Estates #2; Towne East Subd. #1; Corina's Corner; Hacienda De Los Vegas; Renarae Subd. #1; La Blanca Estates; San Carlos Farms Subd.; Anna Lisa Subd.; Jackson's New World Subd. #2; Alta Vista Subd.; Jackson's New World Subd.; Ten Acres Subd.; Tropicana; Tierra Estates Subd.; Curl Tex; Tower Subd.; Racquet Club Subd.; Foster Subd.; L & R Garza; Laborsita; Los Ebanos Subd.; Los Ebanos Subd. #2; El Paraíso Subd.; Casa de los Vecinos; Mary Ann; Rancho Subd.; Granada Estates; Valle Vista Subd.; Kenyon Subd. #1; Kenyon Subd. #2; Brenda Gay; 17 1/2 North/6 West; Hacienda el Porvenir; La Hacienda Subd.; Colonia Delmiro Jackson; Brandon Lake Subd.; Hacienda del Bronco #1; Hacienda del Bronco #2; Citrus Lake Estates; Milyca Subd.; Rancho Nuevo Subd.; Schunior's Subd.; Shary Country Acres; Delta West Subd.; Bogert Subdivision; CASAS DEL VALLE; Upper Sharyland Subd.; Cantu Subd.; Tower Heights Subd.; Harmel Subd.; FM 1925/Floral Rd; Bernal Heights #2; Bernal Heights #1; Acosta Subd.; Delta/Rodger Subd.; Ramon Leal Subd.; Devan Estates; Rambo Estates; Bar #3; Bougainvillea; Carol Subd.; Inspiration Point Subd.; 107 West Subd.; Monte Cristo Hills Subd.; McColl Estates; Moorefield Acres; Country Terrace Estates; Oak Subd.; Country Acres #1; The Stables; Basham #14; Colonia Claude Lookingbill; Rodgers Rd Subd.; South Fork Subd.; Cinco Hermanas; Live Oak Mobil Home Park; Valle Hermoso Estates; Western Estates #1; Sugar Acres; West Haven Subd.; Salida Del Sol Estates Subd.; Batson Gardens; Palmeras Subd.; Siez Tract; Ware Colony; El Flaco Chiquito Subd.; Twin Roads Subd.; Plantation Oaks North Subd.; Ware West Subd.; North McColl Subd.; Collin Subd.; George Lookingbill #1; George Lookingbill #2; Los Terrazos Subd.; Sun Valley Estates; Crouse Subd.; Basham #9; Valley Rancheros Subd.; El Monte Subd.; Country Colony Subd.; Beretta Estates; Calma Estates Subd. #3; Calma Estates; Calma Estates Subd. #2; Evangeline Gardens; Ware Country Subd.; Alvaca Subd.; Ware Country Subd. #2; Merrill Subd.; Max Subd.; El Seco Subd.; Minnie Fenton Subd.; Floresta Subd.; Alma Subd.; Bar #2; Rodgers Lake Estates; Hilda Subd. #1; Bar Subd. #6; Montemayor Subdivision; R.C.W. Subd.; Bar #5; Hern Subd.; Engleman Estates; Lull; Santa Cruz Estates; River Bend Subd.; CJRS Subd. A; Hoehn Drive Subd.; Tierra Buena #1; Austin Gardens; Hoehn Drive (Unrecorded); Loma Chica Subd.; Hoehn Estates; Tierra Buena #2; Monte Cristo Subd.;

		Monte Cristo Acres Subd.; Summerwood Subd.; Basham #3; Saucedo Subd.; Twin Lake Subd.; Americana; Regency Acres #2; Meadow Lands; Santa Cruz Ranchette; Simpatico Acres; Santa Cruz Orange Gardens; Seminary Village Subd.; Kaufold Estates #1; Lanfranco; Jessup's Subd.; Sandy Ridge; Doolittle Acres; Adam Lee Subd.; Spring Gardens; Seminary Estates; 281 Estates; Ingle-Doolittle; BJB Subd.; Triple C Subd.; Seminary South Subd.; Edinburg Acres; Sprong Green Subdivision; Cottonwood; Pralle Subd.; Hillcrest Terrace; Lake Citrus Estates; Monte Cristo Heights; North Santa Cruz Subd.; Highway Frontage Subd.; Puerta Del Sol Subd.; Colonia Big 5; Town of Faysville; Alsonia; Harding Gill Tract; La Coma Heights; Los Cerritos Subd.; Lane #2; Lane #1;
TX	El Paso	Tornillo; Sanchez; Las Pampas #4; Bosque Bonito #1; Cliff View Estates; Las Pampas #3; Las Pampas #2; Bosque Bonito #2; North Fabens Estates; Las Pampas #1; Morning Glory Manor; Cuna Del Valle; Colonia De Las Dalias #2; Sunshine Acres; Sierra Meadows; Colonia del Rio #2; Connington Subd.; Colonia del Rio #3; Colonia del Rio #1; Sylvia Andrea; Gloria Elena; Colonia De Las Azaleas; Ranch Country Estates; Madrilena; Colonia De Las Dalias; Colonia De Las Azaleas #2; Wilbourn Addition; Camino Barrial; Plaza Bernal; Clint Townsite; Colonia De Las Azaleas #3; Eubanks #3; Hacienda Real; Rio Pasado Estates; Las Aves; Alvarez; Frank-Anita Estates; Campo Bello Estates; Wildhorse Valley; Ranchos De El Dorado; Valle Villa Addition; Mission Trail Estates; Glorieta Addition; Valle Villa Addition #2; Gonzalez Subd.; Villalobos Estates; Brinkmann; East Clint Estates; Lordsville Subd.; Vista Larga #2; Dindinger Road; Burbridge Acres; San Paulo; Rosa Azul; Valle Real; El Gran Valle #2; Colonia Del Paso; Rio Grande Estates; Vista Larga; El Gran Valle; Flor Del Rio; Lake Valley Estates #1; Cattlemans North Ranchos; Bejar Estates; El Campestre; Lewis Subd.; Angie Subd.; Melton Place Addition; Friedman Estates #2; Rancho Miraval Estates; Arrowhead Estates; Athena West; Friedman Estates #1; Ascension Park Estates; Haciendas Del Valle #1; Quail Mesa; Santa Martina; Cotton Valley Estates; Aljo Estates; Haciendas Del Valle #2; Mesa Verde; Vinedo Acres; Warren Allen Road; Dairyland; Roseville Subd.; San Ysidro; Bauman Estates #3; Bauman Estates; McAdoo Acres; Aldama Estates; Socorro Mission #1; Bauman Estates #2; Sunhaven Farms; Bovee Road; El Paso Hills #4; Panorama Village #5; Poole Subd.; El Paso Hills #8; Las Milpas Addition; Las Milpas #2; Panorama Village #3; El Paso Hills #3; College Park Addition; Panorama Village #4; El Paso Hills #2; La Jolla; Belen Plaza; Wilton Acres; Country Green Addition; El Paso Hills #5; Panorama Village #1; Wiseman Estates; Alameda Estates; Lynn Park Replat; Villa Espana; El Paso Hills #1; Adobe; Mary Lou Park; Buford View Estates; El Paso Hills #7; Cattlemans North Ranchos #3; El Paso Hills #6; Monterosales Subd.; Panorama Village #2; Ellen Park;

Socorro Village Addition; Rio Vista Addition; Spanish Trail Addition; La Junta Addition; Hillcrest Manor; Agua Dulce #2; Agua Dulce #5; La Fuente; Algodon; Frank; Moon Addition #4; Moon Addition #2; Moon Addition; Agua Dulce #3; Moon Addition #3; Rio Rancho Estates; Merida; Gurdev; Sunshine; Agua Dulce; Agua Dulce #4; Cochran Mobile Park; Cielo Azul #1; San Agustin; Cielo Azul #2; Bagge Estates; Delip Subd.; Calcutta Subd.; Grijalva Gardens; Sparks Addition; North Loop Acres; Sparks Addition #3; Horizon Industrial Park #1; Sparks Addition #2; Sparks Addition #4; Lake Way Estates #2; Lake Way Estates #1; Lake Way Estates #3; Burnett Ranchettes; Pleasant Valley; Vinson Subd.; Frisco Estates; Deerfield Park #3; Jason Estates; Dakota Estates; Hill Crest Estates; Vizcaino Estates; Las Palmas #2; Desert Vista; Las Quintas #2; Knotts Acres; Las Palmas; Montana Vista Estates; Deerfield Park; Homestead Homes; Meadows South; Las Quintas; Turf Estates #1; Cowlitz Estates; Deerfield Park #2; Las Casitas #3; Satiacum Estates; Dawn Estates; Tillicum Estates; Homestead Meadows South #5; Vista Del Este; Geneva Estates; Mesquite Meadows Estates; Mesa View Estates; Las Casitas #1; Desert Oasis; Deerfield Industrial Park; Mountain Meadows Estates; Southwest Estates #2A; Cindy Estates; Las Casitas #2; Homestead Meadows South #6; Homestead Meadows South #4; Southwest Estates #3; Kenna Estates; Tiffany Estates; Desert Meadows Estates; Vista Montana; Southwest Estates; Southwest Estates #2; Acacia Grove; Square Dance; E & L; East Wind Estates; Desert Meadows Estates #2; Flamingo Addition; Yucca Foothills; Hovland Estates; Montana East; Hovland Estates #2; Montana View Subdivision; Fern Village #1; Sand Dune Estates; May Estates; Butterfield City #1; Vista Acres; Butterfield City #3; Camel Back Estates; Montana Land Estates; Montana Land Estates #2; Butterfield City #2; McCracken Estates; Buena Suerte Estates; Bueno Terrace Estates; Haciendas Norte; Meadows North Estates; Lomaview North Estates; Western Heritage Estates; John-Michael Estates; Sundown Estates; Homestead North Estates; Jurassic Commercial Park; Butterfield City #4; Faith Acres; Hueco Mountain Estates #9; Paso View; Eisenberg Estates; Paso View #2; Paso Del Rey; B & D Estates; Paso View West; Paso Del Rey #2; Homestead Meadows; Hueco Valley Subd.; Paso Del Rey #3; Vista De Lomas #2; Monte Carlo; Mountain Sun Estates; Vista De Lomas #1; Green Acres Subd.; Prado Verde Addition #1; Indian Hills; Hueco Mountain Estates #5; Rainbow Gardens; Hueco Mountain Estates #1; Adelante Estates; Hermosa Vista Addition; Hueco Mountain Estates #4; Hueco Mountain Estates #3; Canutillo Townsite; Serene Acres; Hueco Mountain Estates #2; Schuman Estates; La Union Estates; Hueco Mountain Estates #6; Polkinghorn Addition; Hueco Mountain Estates #8; Ponderosa Mobile Home Subd.; Wilco; Canutillo Industrial Park; Nuway Addition; Mayfair Subd.; Mayfair Subd. #3; Mayfair Subd. #5;

		Mayfair Subd. #2; Mayfair Subd. #4; Hueco Mountain Estates #7; Mobile Haven Estates; Westway #6; Westway #4; Westway #3; Vinton Acres #1; Westway #1; Westway #2; Westway #7; R.W. Jones Subd.;
TX	Starr	Solis; Venecia; Flores Brothers; Nina; Quesada; Buena Vista; Casa Blanca Subd; Rafael Pena; Narciso Pena; East Alto Bonito; Longoria; Pablo Pena; Alto Bonito; Rivereno; Villareal; E. Lopez; La Paloma Ranchettes; Manuel Garcia #2; Mike's; West Alto Bonito; Valle Vista #1; Alto Bonito Heights; Ramirez-Perez; Valle Vista #2; Victoria Vera; Garciasville; Zarate; Olivia Lopez de Gutierrez; Loma Linda East; South Refugio; Manuel Garcia; Montalvo Hills; Tamez; El Castillo; Antonio Flores; La Casita; El Refugio; North Refugio; Olmito & Olmito #2; Gutierrez; El Socio; Chaparrito; Amada Acres; Camargito; La Puerta; El Chaparral #2; Victoria Ranch; La Puerta #2; El Chaparral #1; Garza-Salinas #2; Santa Rosa; Old Santa Cruz; B & E; Rodriguez #2; Rodriguez #1; Santa Cruz Industrial Park; Eugenio Saenz; Tierra Linda; Santa Cruz #2; Northwest Industrial Park; Share 52; North Santa Cruz; Garza-Salinas; Los Olmos; Santel; J. L. Garcia; Midway Subd.; Live Oak Estates; La Escondida; Bella Vista; Cortez; Canales; Arredondo; Valle Hermosa; Elsa; El Mesquite; El Quiote; Elias-Fela Solis; Alvarez; Anacua; Francisca; Palo Blanco; Garza-Gutierrez; Mi Ranchito Estate; A.T. Martinez; Doyno West Side #2; Los Barreras South; Trevinos; Trevinos #1; Triple R; Campo Verde; Olivarez; Barrera; Guerra; Elodia's; Mitchell; Joseph Griggs; San Jose; Leal; Los Barreras North; Reyna; Triple R #1; Loma Alta; Salmon; Garcia's; Fernando Salinas; Tierra Dorada; Moreno; De La Cruz; Flor Del Rio; Pedro Campos; Florentino Sosa; Villa de Martinez; Garza Addition; Villa de Frontera; La Rosita; Mesquite #1; Mesquite #2; Salinas; Mesquite #3; Ranchitos Del Norte; Javier Ramirez; La Chaparosa; Mesquite #4; Hilltop; Mirador; Escandon Trace S/D; San Fernando; Manuel Munoz; Cantu; M. Munoz; El Bosque #1; La Hacienda; Munoz-Garcia; Santa Catarina; El Rancho Vela; Hackberry; Benjamin Perez; El Bosque #2; Munoz; Humberto Y. Saenz; De La Garza; El Bosque #3; Rau-con Drive-In #2; La Lomita; Buena Vista Plaza; Robinson; Los Morenos; Mirasoles; Fourth Site; El Bosque #4; Airport Heights; Old Escobares; Las Flores; Margarita Addition #1; Ala Blanca; Manuel Escobares; El Cenizo; Guadalupe Guerra; Netos; Los Ebanos; Margarita; Los Ebanos #2; Campobello; Rivera; Garceno; Hillside Terrace; Miguel Barrera; Francisco Rodriguez; Escobares; Pena #1; Morida; Rancho Viejo #1; Mireles; Northridge; Escobares #1; Campobello #2; Victoria; Rancho Viejo #2; Pena #2; Moreno, S S/D; De Los Santos; San Juan; Rancho Viejo #3; Sandoval; Loma Vista; Loma Vista #1; Moraida; J. F. Villareal; Roma Creek #1, 2 & 3; Loma Linda West; Martinez S/D; Sunset; Fronton Ranchettes; Evergreen; Fronton North; Ramos; Las Palmas; Ramos Addition #1; Sammy Martinez; La Esperanza; North Escobares

		Ranchettes; La Carla; El Brazil; Casas; Regino Ramirez; Santa Margarita; La Minita; Los Arrieros; Salineno South; Jardin de San Julian; Salineno North; La Loma de Falcon; Chapeno; Falconaire; Miguel Garza; Indio #2; Indio #1; Falcon Heights; H. Cuellar Estates; Lago Vista; ;
TX	Cameroon	Cisneros Estates;South Point;Alabama/Arkansas;Angel Haven;Unknown (Oklahoma Avenue);Valle Hermosa;Valle Escondido;Coronado;Villa Pancho;Los Cuates (south);Dakota Mobile Home Park;Dockberry Estates;Jaime Lake;Cielito Lindo;21 Subdivision;Harris Tract;Betty Acres;Saldivar;Kellers Corner;Boca Chica & Medford;Reid Hope King;Bautista;Houston Road East;Stewart;Travis & Vermillion;Travis Road;Stardust;Illinois Heights;FM 802-511;Barrios;Villa Nueva;Central Estates;Praxedis Saldivar;Cameron Park;San Pedro;Hacienda Gardens;Las Flores;Villa Cavazos;Olmito;Ismael Montalvo Subd. #1;Esparza Subd. #1;Ismael Montalvo Subd. #2;Encantada;Esparza Subd. #2;El Calabozo;Ranchito;Carricitos-Landrum;La Paloma;Los Indios;Las Rusias;Los Nogales Estates;El Venadito;Nogal St.;Del Mar Heights;Rice Tracts;Paredes Partition;Bluetown;Shoemaker Acres;Palmer;Chula Vista;Colonia Iglesia Antigua;Orason Acres;Santa Maria;Longoria Townsite;Rutherford-Harding Addition;Los Cuates;Indian Lake;Lago;Rangerville Estates;Rangerville;Graham;Casa Del Rey;Laureles;Paredes Estates;South Fork Subdivision;El Camino Angosto;Yost Road;Pennsylvania Avenue;Expressway 83/77;Bishop;Green Valley Farms;East Stenger Street;Gonzales;Lourdes Street;Leal;Esquina;East Fresnos;South Ratliff Street;La Coma;Glenwood Acres;Arroyo Alto;Rangerville Center;Norma Linda Road;Bixby;Rancho Grande;Palacios Estates;Alto Real;De Anda Subd.;Solis Road;Colonia Saenz;Solis;North La Feria Village;Nancy;Robles Ranch;La Feria Gardens;B. R. Subdivision;Palmera Heights;Sierra Alto Mobile Home;Valle Verde;Windsong Village;Barrington Heights;Lantana Acres;Lozano;Villa del Sol;Arroyo Colorado Estates;Arroyo Gardens #1;Rabb Road;Juarez;Fred Adams;Las Palmas;Ratamosa;Leonar B. De Villarreal;Vicente Sandoval;Aurora Longoria;Juan Gonzales;O'Canas Family;Gumesindo Galvan;East Cantu Country Estates;Tierra Bonita #3;Galpin;Bullis Addition;Las Yescas;Los Ranchitos;Alfredo Garza;San Vicente Estates;Primera;Bonnville Terrace;Tatum Addition;West Addition;Santa Rosa #6;Jones Addition;Lopez;Combes;Santa Rosa Annex;Arroyo Gardens #2;Santa Rosa No. 13;Arroyo Gardens #4;Grande Acres;North 30 Subdivision (Hoa;Santa Elena;Santa Rosa #14;Eggers;L&I;Santa Rosa #12;La Kinina;Lasana West;Lasana;Laguna Escondida Heights #2;Laguna Escondida;Santa Rosa #5;El Nogal;Gotwin Rd;Stardust South;Santa Rosa #9;Tierra Bonita;Tierra Bonita #2;East Cantu Road;Yznaga

		#1;Yznaga #2;Leisure Time Mobile Home Park;XX Farms;Schwartz;Arroyo City Annex Subdivisio;Coulson;Channel Lots;Arroyo City Subdivision;;
TX	Maverick	El Indio Townsite; Rosita Gardens; Kickapoo Indian Village; Riverside Acres; Rosita Valley; Victoriano Hernandez; Loma Linda #3; Loma Linda Ranchettes; Loma Linda #5; Loma Linda #4; Border Housing Unit #1; Loma Linda #2; Los Guajillos Subd.; Loma Linda #1; Chula Vista 1-5; El Pueblo Nuevo; Chula Vista School Block; La Herradura; Eagle Heights #2; Rockaway Country Sites; Eagle Heights #3; Eagle Heights #1; Eagle Heights #4; Las Brisas; Green Acres #1 & 2; Paisano Heights; Zamora Lands; Los Jardines Verdes; Wilson & Bargo; Morales #2 East; Morales #2 West; Morales #3; Las Carretas Subd.; Big River Park; Hector Rodriguez; Lago Vista Subd.; Morales #2a; Florentino Ramos; Las Hacienditas; Loma Bonita; Cedar Ridge #3; Cedar Ridge #1; Cedar Ridge #4; Heritage Farm; Nellis Lands; Las Quintas Fronterizas; Cedar Ridge #2; Morales Circle; Cenizo Heights; Fabrica Townsite; Seco Mines; Siesta Acres; Hopedale; Sauz Creek Subd.; Deer Run #5; Deer Run #4; Deer Run #3; South Elm Creek #2; South Elm Creek #1; Deer Run #1; Deer Run #2; Elm Creek #1; South Elm Creek #3; South Elm Creek #4; Elm Creek #2; Radar Base; Airport Addition; Normandy; Quemado;
TX	Zapata	New Falcon; Lopeno; Morales / Sanchez; Morales 2; Siesta Shores Sec. A; Siesta Shores 3; Siesta Shores 1; Lago Halcon A; Lago Halcon B; Sunset Villa; Falcon Mesa; S. Truman Phelps; Four Seasons; Black Bass; Linda Vista; Morgan's Lakefront Lodge; Falcon Estates; Buena Vista; Falcon Shores; A.F. Pierce; Guzman; Zapata Townsite; Flores Addition; Ranchito San Jose; Manuel Medina Addition; Cuellar; Las Palmas; Ramireno; San Ignacio Viejo Unit 2; San Ygnacio; Valle Verde; Dolores;
TX	Webb	El Cenizo Subd. #1-5; Rio Bravo Annex; Rio Bravo; La Presa; One River Place; Mirando City Addition; Mirando City; Ranchitos Los Veteranos; Aguilares; Aguilares Acres; D-5 Acres; Los Tanquecitos II; Old Milwaukee East; Old Milwaukee West; Los Altos; Tanquecitos South Acres; Las Blancas Subd.; San Carlos #2; Ranchitos 359 East; San Carlos #1; Laredo Ranchettes; Pueblo Nuevo; Larga Vista; La Coma; Los Corralitos; Los Minerales; Antonio Santos Subd.; Ranchos Penitas West; Botines; La Moca Ranch; Los Huisaches;
TX	Willacy	Sebastian; Zapata Ranch; Santa Monica; S & C; Hugh Terry Subd.; Lyford South; Bausell & Ellis; Raymondville Tract #1; Lasara; Ranchette Estates; Sandy; Colonia Los Angeles; Benitez; Lisa; Willacy Acres; El Chapote;
TX	Val Verde	Rio Bravo; Payment; Owens Addition #1; Owens Addition #2; Cienegas Terrace; Val Verde Park; Val Verde Park #2; Los Campos #1,2 & 5; Los Campos #3 & 4; Lake View Addition; Amistad Acres; Box Canyon Estates; Rough Canyon; Town of Comstock; Langtry, Texas;

TX	Zavala	Triangulo; Amaya; Camposanto; Zurita; Leija; Nueces Lake; Popeye; Chula Vista; La Traverna; Campestre; Rock Quarry; La Pryor; Batesville;
TX	Pecos	Sheffield; Iraan; Little Mexico, Alamo Ranchets; Coyonosa; Imperial
	Presidio	Shafter; Redford; Candelaria; Ruidosa; Las Pampas; Pueblo Nuevo; Loma Pelona;
TX	Hudspeth	Acala; Sierra Blanca; Loma Linda Estates; Villa Alegre; Fort Hancock East Unit #1; Fort Hancock East Unit #2;