

# Preliminary Needs Assessment

## Tulare Kern Funding Area

### Integrated Regional Water Management (IRWM)

### Disadvantaged Community Involvement Program

Tulare Kern Funding Area  
January 2019

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# Abbreviations

ACS .....	American Community Survey
CAA .....	Cleanup and Abatement Account
CBO .....	Community Based Organization
CDBG .....	Community Development Block Grant
CDP .....	Census Designated Place
CIWQS .....	California Integrated Water Quality System
CSD .....	Community Services District
CV-SALTS .....	Central Valley Salinity Alternatives for Long-Term Sustainability
CWC .....	California Water Code
CWD .....	County Water District
CWS .....	Community Water System
CWSRF .....	Clean Water State Revolving Fund
DAC .....	Disadvantaged Community
DACEEP .....	Disadvantaged Community Engagement and Education Program
DACIP .....	Disadvantaged Community Involvement Program
DBCP .....	1,2-Dibromo-3-Chloropropane
DDW .....	Division of Drinking Water
DWR .....	California Department of Water Resources
DWSRF .....	Drinking Water State Revolving Fund
EDA .....	Economically Distressed Area
EPA .....	U.S. Environmental Protection Agency
FCSA .....	Fresno County Service Area
GIS .....	Geographic Information System
GSA .....	Groundwater Sustainability Agency
HAA5 .....	Haloacetic Acids
IRWM .....	Integrated Regional Water Management
IRWMP .....	Integrated Regional Water Management Plan
LAFCo .....	Local Agency Formation Commission
MHI .....	Median Household Income
MHP .....	Mobile Home Park
NCWS .....	Non-Community Water System
NGO .....	Non-Governmental Organization

NPDES.....	National Pollutant Discharge Elimination System
NTNC.....	Non-Transient Non-Community Water System
PUD .....	Public Utility District
PWS.....	Public Water System
RWMG .....	Regional Water Management Group
SDAC.....	Severely Disadvantaged Community
SDWIS.....	Safe Drinking Water Information System
SGMA.....	Sustainable Groundwater Management Act
SSWS.....	State Small Water System
SWRCB.....	State Water Resources Control Board
SWS.....	Small Water System
TCP or 1,2,3-TCP .....	1,2,3-Trichloropropane
TKFA.....	Tulare-Kern Funding Area
TLB .....	Tulare Lake Basin
TNC .....	Transient Non-Community Water System
TTHM.....	Total Trihalomethanes
URC.....	Underrepresented Community
USDA .....	United States Department of Agriculture
WDR.....	Waste Discharge Requirements
WTP .....	Water Treatment Plant
WWTF.....	Wastewater Treatment Facility
WWTP.....	Wastewater Treatment Plant

# 1 Introduction

The California Department of Water Resources (DWR) prepared a Request for Proposals for the Disadvantaged Community Involvement Program (Program), which was authorized by the Water Quality, Supply, and Infrastructure Improvement Act (Proposition 1).

Water Code §79745 requires DWR to expend no less than 10 percent of the Proposition 1, Chapter 7 funds authorized for Integrated Regional Water Management (IRWM) Grant Program, for the purposes of ensuring involvement of disadvantaged communities (DACs), economically distressed areas (EDAs), or underrepresented communities (collectively referred to as DACs) in IRWM planning efforts. DWR is establishing the Program to support the following objectives:

- 1) *Work collaboratively to involve DACs, community-based organizations, and stakeholders in IRWM Planning efforts to ensure balanced access and opportunity for participation in the IRWM Planning process.*
- 2) *Increase the understanding, and where necessary, identify the water management needs of DACs on a Funding Area basis.*
- 3) *Develop strategies and long-term solutions that appropriately address the identified DAC water management needs.*

DWR requested a single Funding Area-wide proposal from each of the 12 Proposition 1 Funding Areas. The Tulare-Kern Funding Area prepared a proposal, administered by the County of Tulare, for one collaborative project between the seven (7) Integrated Regional Water Management (IRWM) Regions within the Tulare-Kern Funding Area (TKFA). This project will address the water-related needs of the TKFA, which include water supply, water quality, cost of water, and community engagement.

The Tulare-Kern DAC Involvement Program consists of four activities, including: Grant Administration, DAC Engagement and Education Program, Needs Assessment, and Project Development. This project will address the water-related needs of the Tulare-Kern Funding area which include: water supply, water quality, cost of water, community engagement.

The County of Tulare received funding from the Department of Water Resources (DWR) to conduct a Needs Assessment as part of the DAC Involvement Program. The objectives of the Needs Assessment will be to:

- Provide a better understanding of the water management needs of Disadvantaged Communities (DACs) in the Funding Area; and
- Help direct resources and inform funding for both the Project Development Activities and the DAC Engagement and Education Program activities.

## 1.1 Project Area

The TKFA is in the southern end of the San Joaquin Valley. It is bounded by the crest of the Sierra Nevada to the east, the crest of the Tehachapi Mountains to the south, and the crest of the Coast Range to the west. Previous studies within this funding area have identified approximately 353 unincorporated DACs, of which 201 are severely disadvantaged. While previous studies focused on unincorporated communities, this Needs Assessment includes both incorporated and unincorporated communities.

The TKFA includes portions of four counties: Fresno, Kings, Tulare, and Kern (see Figure 1-1). The four-county area includes seven IRWM groups: Kaweah River Basin IRWM, Kern IRWM, Kings Basin IRWM, Poso Creek IRWM, Southern Sierra IRWM, Tule IRWM, and Westside San Joaquin IRWM (see Figure 1-2).

## 1.2 Purpose and Goals

The purpose of the Needs Assessment is to provide a better understanding of the water management needs of DACs in the Funding Area. The Needs Assessment will be presented in two phases. The Preliminary Needs Assessment (Phase I) will compile the publicly available information throughout the TKFA and provide a preliminary assessment of the water supply, water quality, and wastewater related issues of DACs. The results of the Preliminary Needs Assessment will be used to help direct resources and funding for both the Project Development Activities and the DAC Engagement and Education Program activities. The TKFA determined that it would be important to have the Preliminary Needs Assessment completed early in the program, so that sufficient time could be dedicated to the Project Development activities.

Work will continue on the Needs Assessment portion of the project to gather, compile and assess less readily available data, as recommended by the Project Advisory Committee (PAC). A Final Needs Assessment (Phase II) will be presented toward the end of the project. The Final Needs Assessment is intended to provide information related to DAC needs that would be used for future IRWM funding applications and actual improvements that could be implemented by DACs. A web portal is being developed through the Needs Assessment activities. The web portal will provide a consolidated source of information for use by communities, counties, the State, and others.

### 1.2.1 Preliminary Needs Assessment

The Preliminary Needs Assessment (Phase I) includes Tasks 1 and 2 as described in the proposal that the PAC recommended for approval (summarized below). A few of the subtasks will be completed in Phase II, as noted below.

#### Task 1 – Develop Framework for Database and Web Portal

Task 1 activities establish the framework for the database and the web portal, including initial data gathering efforts.

1. Clearly define Disadvantaged Communities for the purpose of the IRWM groups, and what will be shown in the database
2. Identify DAC boundaries using respective County LAFCo boundaries and local knowledge when the community does not have “official” boundaries
  - a. Default boundaries will be from the current Tulare County database or 2014 TLB Study
  - b. Define criteria for identifying private well communities
3. Collect Community Data (DWR DAC Mapping Tool, US Census ACS 2012-2016)
  - a. Community Name
  - b. County
  - c. IRWM Region
  - d. Population
  - e. Median Household Income (MHI)
4. Determine preliminary classification of DAC status (DAC, SDAC or not disadvantaged) based on DWR/American Community Survey data

5. Clearly define key constituents to be included in community reports and preset evaluation tools
6. Create preliminary community report framework for PAC input (***move to Phase II***)
7. Develop demonstration product of web portal framework for PAC input

#### Task 2 – Develop Database and Web Portal

This task will include development of the database and web portal by compiling data and developing a web-based map and data interface to view data.

1. Gather publicly available data
  - a. Tulare Lake Basin DAC Water Study data
  - b. Number of Service Connections (Safe Drinking Water Information System [SDWIS])
  - c. Source(s) of Drinking Water Supply (SDWIS)
  - d. Estimated Number of Public Wells (SDWIS, GAMA)
  - e. Drinking Water Quality (SDWIS)
  - f. Drinking Water Quality Compliance (Yes/No) (SDWIS)
  - g. Private Well Locations (as available from Counties/IRWMs/GAMA)
  - h. Groundwater Levels (Regional DWR data, California Water Library) (***move to Phase II***)
    - i. Regional groundwater contours will be included in a map
  - i. Wastewater Treatment Facility (WWTF) (Yes/No) (California Integrated Water Quality System [CIWQS])
  - j. WWTF Capacity (CIWQS)
  - k. WWTF Compliance Issues (Yes/No) (CIWQS)
2. Conduct Remote/Private Community Research (map study)
3. Collect MHI information based on Community Income Surveys (as available, provided by others)
4. Update community reports (***move to Phase II***)
5. Create web-based map and data interface with themes of interest

### 1.2.2 Final Needs Assessment

The Final Needs Assessment (Phase II) will include Tasks 3 and 6 as described in the proposal that the PAC recommended for approval (summarized below), and additional items that the PAC may recommend based on Phase I activities.

#### Task 3 – Additional Data Collection and Integration

This task includes additional data that were suggested at the May 2018 PAC meeting. The Needs Assessment may include the information listed below for select communities, where additional site assessments and community reviews are conducted as part of the DAC Engagement and Education Program (DACEEP). This information may also be requested as part of the applications for Project Development funding.

1. Gather Additional Data Sets and Integrate into Web Portal
  - a. Capacity of Wells (as available from DACEEP Surveys)
  - b. Capacity of Surface Water Supplies (drinking water supply) (as available from DACEEP Surveys)
  - c. Systems with Metered Water Services (as available from DACEEP Surveys)
  - d. Well Construction Depth (as available from GSA efforts)
    - i. Include sanitary seal depth, if available
  - e. Water Rates (as available from Counties and DACEEP Surveys)


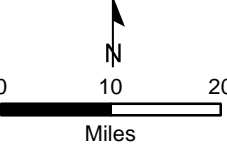



- f. Sewer Rates (as available from Counties and DACEEP Surveys)
- g. Private Well Locations (Domestic) (based on Well Completion Reports and/or GSA Efforts)
- h. Private Well Depth and Water Quality (as available, provided by others)
  - i. No Confidential Data will be Collected or Included
- i. WWTF Issues or Insufficiencies (Cause of Violations)
- j. Type of Wastewater System (WDRs, RWQCB)
- k. Storm Water Facility Information (Yes/No, Responsible Entity) (as available from DACEEP Surveys and Counties)
- l. Project Development and/or Funding Status (Funding Agencies; Local Knowledge)
  - i. Communities with successful solutions completed
  - ii. Communities with funding in process
  - iii. Provide link to Funding Fair website or potential funding sources
- m. System Expenses and Revenues (as available from DACEEP Surveys)

#### Task 6 – Additional Needs Assessment Data Requests

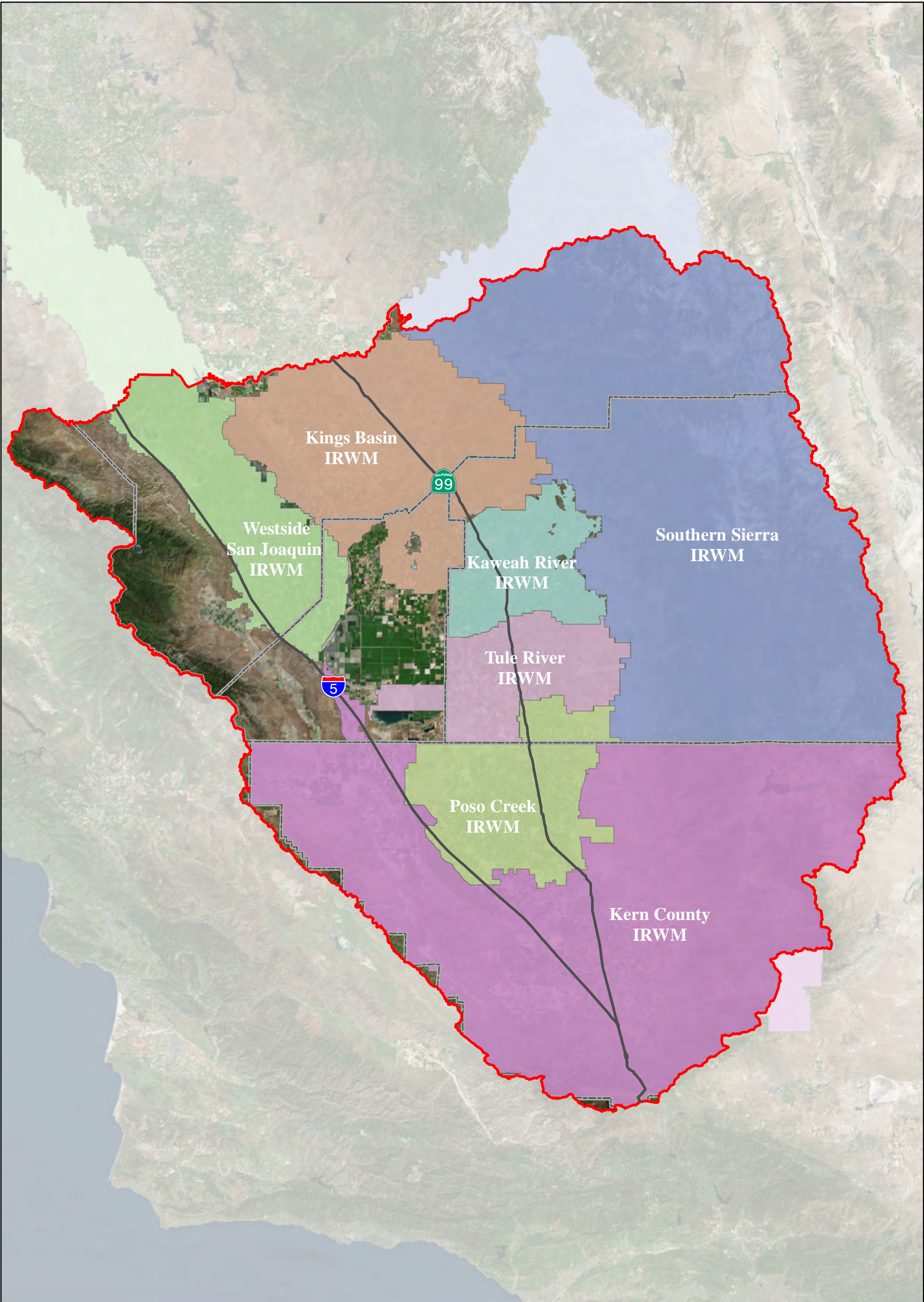
1. Compile and Incorporate Surface Water Rights Information
  - a. Obtain Water Rights Information Map System file
  - b. Incorporate Water Rights Data into Needs Assessment
  - c. Review Water Rights Data
  - d. Develop Story Map for the web portal showing Surface Water Users
2. Develop and Incorporate Septic Density Evaluation
  - a. Request Septic Location Information from Counties
  - b. Incorporate County Septic Information, as available
  - c. Incorporated DACEEP Survey Information, as available
  - d. Using data sets such as Rural Residential land use classification, or county address points (if available), identify probable septic communities
  - e. Evaluate septic density based on property size and/or housing density
  - f. Present septic density ranges (i.e. < 1 per acre; >1 per acre; >5 per acre)
  - g. Review of septic density evaluation and compare with private well data and mapping tools


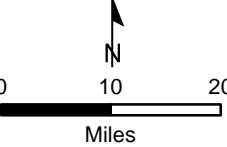




 <p>EST. 1968 <b>PROVOST &amp; PRITCHARD</b> CONSULTING GROUP <i>An Employee Owned Company</i></p>  <p>0 10 20 Miles</p>	<p>Legend</p> <ul style="list-style-type: none"><li> State Transportation Routes</li><li> Tulare Kern Prop 1 Funding Area</li><li> County Boundary</li></ul>	<p><b>Tulare Kern Funding Area</b></p> <p>Tulare Lake Basin Disadvantaged Communities Water Study</p> <p>Figure 1-1</p>
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 <p>EST. 1968 <b>PROVOST &amp; PRITCHARD</b> CONSULTING GROUP <i>An Employee Owned Company</i></p>  <p>0 10 20 Miles</p>	<p><b>Legend</b></p> <ul style="list-style-type: none"><li>State Transportation Routes</li><li>Tulare Kern Prop 1 Funding Area</li><li>County Boundary</li></ul>	<p><b>Tulare Kern Funding Area</b> Tulare Lake Basin Disadvantaged Communities Water Study IRWM Agencies Figure 1-2</p>
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## 2 Project Approach

### 2.1 Definitions

Disadvantaged Community (DAC): A community with an annual median household income that is less than 80 percent of the statewide median household income. (California Water Code Section 79505.5) For the purposes of this study, the American Community Survey (ACS) for 2012-2016 will be used. The Statewide MHI for 2012-2016 is \$63,783. A community with an annual MHI less than \$51,026 is considered a DAC.

Severely Disadvantaged Community (SDAC): A community with a median household income less than 60% of the statewide average (Water Code Section 75005). A community with an annual MHI less than \$38,270 is considered a SDAC.

Economically Distressed Area (EDA): A municipality with a population of 20,000 persons or less, a rural county, or a reasonably isolated and divisible segment of a larger municipality where the segment of the population is 20,000 persons or less, with an annual median household income that is less than 85 percent of the statewide median household income, and with one or more of the following conditions as determined by the department: (1) financial hardship, (2) unemployment rate at least 2 percent higher than the statewide average, or (3) low population density (Water Code Section 79702. (k)).

Underrepresented Community (URC): (To be defined by the Project Advisory Committee after completion of the Preliminary Needs Assessment.

Affordability: The ability to pay a water bill without affecting the ability to pay for other essential goods and services. California Legislature declared that the state's residents have a right to "safe, clean, affordable, and accessible water." Water is generally considered affordable if water rates are less than 1.5% of the Median Household Income (MHI) for the community.

Community: A residential area that includes at least 15 housing units with adjoining parcels.

Community Water System (CWS): A public water system that serves at least 15 service connections used by yearlong residents or regularly serves at least 25 yearlong residents of the area served by the system.

Non-Community Water System (NCWS): A public water system that is not a community water system. A NCWS can serve either a transient or a non-transient population (see *Non-Transient Non-Community Water System* and *Transient Non-Community Water System*)

Non-Transient Non-Community Water System (NTNC): A public water system that is not a community water system and that regularly serves at least 25 of the same persons over 6 months per year. This may include local schools or hospitals with their own water system. (schools, factories, office buildings, hospitals)

Public Water System (PWS): A system for the provision of water for human consumption through pipes or other constructed conveyances that has 15 or more service connections or regularly serves at least 25 individuals daily at least 60 days out of the year.

Small Water System (SWS): A community water system, except those serving 200 or more service connections, or any non-community or non-transient non-community water system.

*\*It is noted that the U.S. Environmental Protection Agency (EPA) uses a different definition for small public water systems as follows: Public water systems with fewer than 1,000 service connections and a population served of less than 3,300.*

State Small Water System (SSWS): A system for the provision of piped water to the public for human consumption that serves at least five, but not more than 14, service connections and does not regularly serve drinking water to more than an average of 25 individuals daily for more than 60 days out of the year.

Transient Non-Community Water System (TNC): A non-community water system that does not regularly serve at least 25 of the same persons over six months per year.

Publicly Owned: A CWS that is owned and operated by a government or public agency or owned by a public agency and operated by a private contractor.

Privately Owned: A CWS that is privately owned and is either operated for profit as a water business, or as a non-profit. Privately owned systems are often operated as a necessary part of another business (e.g. mobile home parks).

## 2.2 Database

### 2.2.1 Database Development and Data Gathering

A database is being developed of all disadvantaged communities in the Tulare-Kern Funding Area. The project team coordinated with local, state, and federal agencies and data sources as well as appropriate organizations to collect existing data to create the database. The project team utilized Geographic Information Systems (GIS) to map the location of disadvantaged communities in the TKFA and other available and relevant data in order to identify needs.

The database is a collection of information from the County of Tulare, DWR, Safe Drinking Water Information System (SDWIS), California Integrated Water Quality System (CIWQS), Self-Help Enterprises, Provost & Pritchard GIS data resources, as well as other sources. The database is in the process of being reviewed to evaluate the water quality and supply source issues as well as wastewater treatment and disposal issues within the TKFA.

The database development began with establishing the definitions above. For the purposes of this program, the PAC decided to include both incorporated and unincorporated communities in the dataset. DAC boundaries were developed based on County LAFCo's, the Tulare County database, the 2014 Tulare Lake Basin DAC Water Study, and local knowledge. Data were then gathered for the various datasets identified.

Key data included in this Preliminary Needs Assessment include:

- DAC Status (DAC, SDAC or Non-DAC)
- Number of Service Connections
- Population
- Source(s) of Drinking Water Supply
- Estimated Number of Public Wells
- Drinking Water Quality
- Drinking Water Quality Compliance

- Private Well Communities
- Wastewater Treatment Facility (WWTF) (Yes/No)
- WWTF Enforcement Actions (Yes/No)

The additional data requests are in the process of being collected, however this data collection effort is not complete for the Preliminary Needs Assessment. This data, which requires coordination with the DAC Engagement and Education Program (DACEEP), will be incorporated into a Final Needs Assessment.

- Capacity of Wells (as available from DACEEP Surveys)
- Capacity of Surface Water Supplies (drinking water supply) (as available from DACEEP Surveys)
- Systems with Metered Water Services (as available from DACEEP Surveys)
- Well Construction Depth (as available from GSA efforts)
- Water Rates (as available from Counties and DACEEP Surveys)
- Sewer Rates (as available from Counties and DACEEP Surveys)
- Private Well Locations (Domestic) (based on Well Completion Reports and/or GSA Efforts)
- Private Well Depth and Water Quality (as available, provided by others)
- WWTF Issues or Insufficiencies (Cause of Violations)
- Type of Wastewater System (WDRs, RWQCB)
- Storm Water Facility Information (Yes/No, Responsible Entity) (as available from DACEEP Surveys and Counties)
- Project Development and/or Funding Status (Funding Agencies; Local Knowledge)
  - Communities with successful solutions completed
  - Communities with funding in process
  - Provide link to funding fair website or potential funding sources
- System Expenses and Revenues (as available from DACEEP Surveys)
- Surface Water Rights Information
- Septic Density Evaluation

## 2.2.2 Database Limitations

The database includes the best available data, but it is not a complete and comprehensive database of all water supply systems in the TKFA, and as such should be considered a work in progress for future updating. It is likely that there are communities and/or systems with water quality problems that have not been specifically identified because water quality data was limited or not available. Very small water systems (15 connections and less) are likely to have the most limited data available, and data for households with individual wells was not available.

That data that has been collected and compiled are linked together using a unique ID number assigned to each community. The database used to evaluate DAC water quality issues contains limited numeric information about the water quality in the water systems listed. The information included in the database consists primarily of simplified numeric data. It does not provide explanation or comment on the possible unique circumstances associated with the data.

Water systems that are not permitted by DDW, such as individual wells for single family homes, may not be fully represented in the database. The lack of data for individual, unregulated systems precludes the precise determination of the population of TKFA DACs affected by water quality issues.

The database does not contain information regarding the volume of water produced and consumed at the listed water systems. Thus, it is difficult to determine whether a system has sufficient water supply capacity, or to reliably determine the size of a treatment system that may be needed to address a system's water quality issues. Population data for each water system is included, and thus typical per capita water use within the TKFA could be used to estimate water production. This type of estimate, however, would not account for large commercial, institutional or industrial water users, such as schools, parks and industry that may be present in the community.

Because of the limitations discussed above, the primary use of the database is to statistically evaluate drinking water contamination issues in the TKFA. Accordingly, the primary value of the database search is to indicate the general occurrence of the problems faced by DACs, to identify the magnitude of the problems and general location and to identify the major contaminants.

Solutions for each water system must be developed with complete water system and water quality information. Each community, water source, and respective water quality is unique. Each water system is unique. There is no "standard" solution that will apply for each water system with a given contaminant issue. This database therefore provides general background from which to start, but specific community outreach and feasibility studies will need to be conducted on a community-by-community basis in order to develop the appropriate solution for each community.

## 2.3 Assessment of Needs

Regulations continue to evolve, and with new drinking water regulations, new regulations related to the Sustainable Groundwater Management Act (SGMA), potential impacts of Central Valley Salinity Alternatives for Long-Term Sustainability (CV-SALTS), and other activities, there is a lot of information for communities to follow and understand. There are funding programs available to assist DACs, but it may be overwhelming for the DACs, who often have limited staff, to understand and seek the appropriate funding for their specific needs.

Some issues that have been identified as impacting DACs in the TKFA include:

- Water supply reliability
- Water quality (drinking water, groundwater, and surface water quality)
- Groundwater overdraft
- Flood protection
- Climate change impact that may exacerbate many of the issues listed above

This report provides a preliminary assessment of these issues for the TKFA.

## 2.4 Project Advisory Committee (PAC) Input

The Project Advisory Committee (PAC) will be involved throughout the course of the DAC Involvement Program. The PAC will receive status updates at regularly scheduled PAC meetings and have an opportunity to review and provide input on intermediate deliverables, as well as final project deliverables.

A framework has been developed for the PAC involvement. The schedule of activities may change as the program evolves, but this provides a general timeline and level of involvement for the PAC.

The current PAC meeting schedule and framework is provided in **Appendix A**.

## 2.5 Ongoing Database Maintenance and Updates

Ongoing maintenance and updates will be conducted throughout the project. This will include updates from the DACEEP and Project Development activities. A Final Needs Assessment will be prepared toward the end of the DAC Involvement Program, which will include recommendations for continued maintenance and updates of the database and web portal after completion of the program activities.

## 3 Prior Studies and Reports

The Tulare-Kern Funding Area has a baseline understanding of DAC water management needs through previous studies and efforts related to DACs in this region. The Disadvantaged Community Water Study for the Tulare Lake Basin Region (TLB Study), funded through Proposition 84, assessed the needs of DACs within this region. The full report, which was completed in August 2014, can be found at the following location:

[http://www.water.ca.gov/irwm/grants/docs/p1DACinvolvement/Reports\\_Studies/TulareLakeBasinDACStudy.pdf](http://www.water.ca.gov/irwm/grants/docs/p1DACinvolvement/Reports_Studies/TulareLakeBasinDACStudy.pdf)

In addition, the Kings Basin Water Authority administered the Disadvantaged Community Pilot Project Study (Kings Basin Study) for their IRWM region. That report, which was completed in August 2013, can be found at the following location:

[http://www.water.ca.gov/irwm/grants/docs/p1DACinvolvement/Reports\\_Studies/KingsBasinDACPilotProjectStudy.pdf](http://www.water.ca.gov/irwm/grants/docs/p1DACinvolvement/Reports_Studies/KingsBasinDACPilotProjectStudy.pdf)

Both studies identified various challenges and needs for DACs within the region and set forth recommendations to help address those challenges. Several of those recommendations are identified as tasks within the current DAC Involvement Program for the Tulare-Kern Funding Area.

### 3.1 Tulare Lake Basin DAC Water Study

Previous studies within this region have evaluated the needs of DACs. An assessment of needs will be updated as part of the proposed DAC Involvement Program. A database of disadvantaged communities was developed through the TLB Study. The database was utilized to catalog common issues and to identify priority issues faced by disadvantaged communities in the Tulare Lake Basin region. From the list of common issues, five priority issues were identified, as listed below:

- Lack of funding to offset increasingly expensive operations and maintenance costs in large part due to lack of economies of scale;
- Lack of technical, managerial, and financial (TMF) capacity by water and wastewater providers;
- Poor water quality;
- Inadequate or unaffordable funding or funding constraints to make improvements; and
- Lack of informed, empowered, or engaged residents.

Through the course of the Study, several other common problems that were previously identified emerged as important issues to be addressed, including the following:

- Lack of vision and integrated planning to develop solutions;
- Inadequate existing infrastructure;
- Lack of information on DACs;
- A changing regulatory environment; and
- Insufficient quantity of water.



The TLB Study developed a list of potential solution sets to address each of the priority issues identified. The following four pilot studies were prepared:

1. Management and Non-Infrastructure Solutions to Reduce Costs and Improve Efficiency;
2. Technical Solutions to Improve Efficiency and Reduce Operation & Maintenance;
3. New Source Development; and
4. Individual Household Solutions.

Seven (7) main categories of recommendations were identified to address the priority issues, as follows:

1. Improve Local Technical, Managerial and Financial Capacity
2. Improve Operation and Maintenance Funding
3. Improve Water Supply Quality and Reliability
4. Improve Funding for Disadvantaged Communities
5. Improve Disadvantaged Community Awareness and Participation
6. Improve Land Use Planning to Minimize Creation of New Water/Wastewater Issues
7. Develop and Maintain Information on DAC Water/Wastewater Needs

## 3.2 Kings Basin DAC Pilot Study

The Kings Basin Study identified many limiting characteristics affecting DACs beyond income level, including:

- Inability to achieve economies of scale in smaller communities;
- Low revenues;
- Small or nonexistent reserve funds;
- Dependence on a single source of water;
- Limited pool of informed/educated individuals;
- Lack of equipment;
- Lack of access to technology in an increasingly technical world;
- Limited ability to hire paid staff or consultants;
- Limited understanding of regional or state dialogue concerning water policy; and
- Lack of office space and a secure location for board meetings, records storage and computer equipment.

The Kings Basin Study provided recommendations of how to engage DACs in the IRWMP process. Some of those recommendations included:

- Staffing a Regional DAC Coordinator;

- Using Non-Governmental Organizations (NGOs) or Community Based Organizations (CBOs) for outreach and DAC contacts;
- Providing technical and/or financial support for DACs to prepare funding applications;
- Considering DAC characteristics when reviewing funding applications;
- Utilizing non-email forms of communication to DACs; and
- Conducting pre-application and grant application workshops or trainings.

### 3.3 Integrated Regional Water Management Plans

The IRWMs have Integrated Regional Water Management Plans (IRWMPs) for their region, which include a DAC component. Existing DAC involvement in IRWM planning efforts varies between IRWMs. Where DAC involvement in IRWM planning efforts is lacking, it may be due to inability of DACs to pay fees to become a member agency, lack of resources or time to participate in IRWM meetings or engage in the IRWM process, limited outreach to DACs, lack of understanding of the IRWM planning process by DACs, or lack of understanding of DAC needs by IRWMs. Additional assessment of the barriers that may exist will be conducted through the proposed DAC Engagement and Education Program.

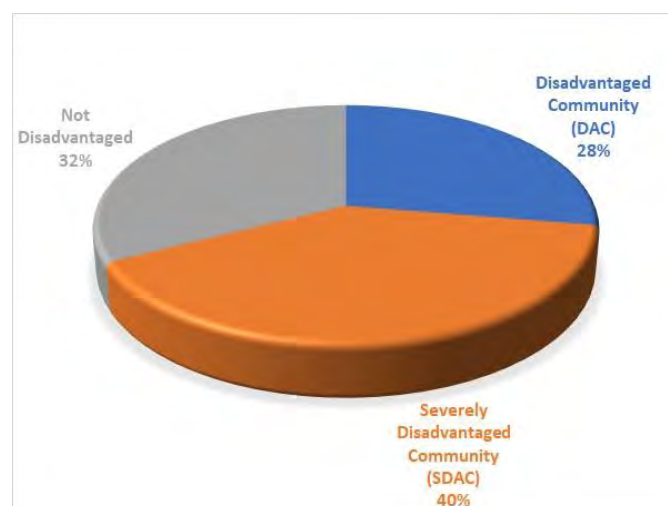
## 4 Disadvantaged Communities

Disadvantaged Communities and Economically Distressed Areas (EDAs) are defined in the California Water Code, as indicated in the “Definitions” section of this report. It is intended that the definition of Underrepresented Communities will be established with input from the PAC and may be based on potential gaps or needs identified in this Preliminary Needs Assessment. The focus of this Preliminary Needs Assessment is on DACs and SDACs (collectively DACs). Most EDAs are also a DAC. If there are known EDAs that are not on the list of DACs, those will be considered.

***Note: This is a Preliminary Needs Assessment. Data will continue to be updated and refined as the project progresses. The data stated, referenced, or otherwise shown in this Preliminary Needs Assessment may therefore be modified in the Final Needs Assessment.***

### 4.1 Identification of DACs

Based on the data collected for this program, there are 333 DACs identified within the TKFA, of which 197 are SDACs. Collectively, disadvantaged and severely disadvantaged communities are referred to as DACs. Of the 333 DACs identified, 30 are incorporated and 303 are unincorporated. A summary count of communities by type is provide in Table 4-1. Disadvantaged communities within the TKFA are shown by IRWM group in Figure 4-1 through Figure 4-9. The DACs are also summarized by IRWM in Table 4-2.



Several communities have been consolidated in recent years. Those communities that have been consolidated into an adjacent city or community have been removed from the list of communities and are discussed in Section 7. If the community is provided water service by a water district (such as West Kern Water District), the community will still show up on the list of communities. It will also be discussed in Section 7 Consolidated Systems.

Table 4-1. Summary of Communities

	Count	Incorporated	Unincorporated	Population	Connections
<b>Disadvantaged Community (DAC)</b>	136	14	123	908,745	228,385
<b>Severely Disadvantaged Community (SDAC)</b>	197	16	180	496,781	117,125
<b>Not Disadvantaged</b>	160	5	155	536,239	150,644
<b>Total</b>	<b>493</b>	<b>35</b>	<b>458</b>	<b>1,941,765</b>	<b>496,154</b>

## Section Four: Disadvantaged Communities Preliminary Needs Assessment

Table 4-2. Disadvantaged Communities by IRWM

COMMUNITY NAME	DAC STATUS	POPULATION	CONNECTIONS	COUNTY	IRWM
COMMUNITY 290	SDAC	69	21	TULARE	KAWEAH
COMMUNITY 321	SDAC	33	10	TULARE	KAWEAH
COMMUNITY 415	SDAC	50	15	TULARE	KAWEAH
EAST TULARE VILLA	DAC	716	178	TULARE	KAWEAH
EILERS RANCH	DAC	30	9	TULARE	KAWEAH
EL RANCHO - TRACT 191	SDAC	124	24	TULARE	KAWEAH
FARMERSVILLE	SDAC	10908	2587	TULARE	KAWEAH
HYPERICUM - DOG TOWN	SDAC	132	40	TULARE	KAWEAH
IVANHOE	SDAC	4495	1116	TULARE	KAWEAH
LEMON COVE	DAC	109	60	TULARE	KAWEAH
LINDCOVE	DAC	500	100	TULARE	KAWEAH
LINDSAY	SDAC	14200	2959	TULARE	KAWEAH
LINNELL FARM LABOR CENTER	SDAC	772	195	TULARE	KAWEAH
MOUNTAIN VIEW M.H.P.	DAC	44	24	TULARE	KAWEAH
OKIEVILLE	DAC	231	70	TULARE	KAWEAH
PATTERSON TRACT	DAC	550	153	TULARE	KAWEAH
PLAINVIEW	SDAC	617	187	TULARE	KAWEAH
PLAINVIEW MWC CENTRAL WATER	SDAC	138	42	TULARE	KAWEAH
SOULTS TRACT	SDAC	120	36	TULARE	KAWEAH
SOUTH LEMON COVE	DAC	243	105	TULARE	KAWEAH
STRATHMORE	SDAC	2150	471	TULARE	KAWEAH
STRATHMORE EAST	SDAC	500	158	TULARE	KAWEAH
SUNRISE MUTUAL WATER CO.	DAC	80	39	TULARE	KAWEAH
TONYVILLE	DAC	500	50	TULARE	KAWEAH
TOOLEVILLE	SDAC	340	76	TULARE	KAWEAH
TRACT 92	SDAC	500	93	TULARE	KAWEAH
TULARE	DAC	63855	18540	TULARE	KAWEAH
TULARE COUNTY WC TRACT NO. 381	DAC	366	111	TULARE	KAWEAH
TULARE COUNTY WC TRACTS 344 & 380	DAC	785	238	TULARE	KAWEAH
WAUKENA	DAC	99	30	TULARE	KAWEAH
WEST GOSHEN	SDAC	200	69	TULARE	KAWEAH
WOODLAKE	SDAC	7950	1799	TULARE	KAWEAH
ALTA SIERRA	SDAC	80	224	KERN	KERN
ARDEN	SDAC	2778	1263	KERN	KERN
ARVIN	SDAC	20499	3776	KERN	KERN
ATHAL	SDAC	150	64	KERN	KERN

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COMMUNITY NAME	DAC STATUS	POPULATION	CONNECTIONS	COUNTY	IRWM
BELLA VISTA	SDAC	150	46	KERN	KERN
BLACKWELLS CORNER	SDAC	148	45	KERN	KERN
BONANZA FARMS	SDAC	80	17	KERN	KERN
BURLANDO HEIGHTS	DAC	45	42	KERN	KERN
BUTTONWILLOW	SDAC	1508	435	KERN	KERN
CANYON MEADOWS	SDAC	394	141	KERN	KERN
CASA LOMA WATER CO	SDAC	900	248	KERN	KERN
CLARK STREET COMMUNITY WELL	SDAC	25	16	KERN	KERN
COMMUNITY 2751	SDAC	165	50	KERN	KERN
COMMUNITY 362	SDAC	36	11	KERN	KERN
COMMUNITY 392	SDAC	594	180	KERN	KERN
COMMUNITY 421	DAC	33	10	KERN	KERN
COUNTRY ESTATES	DAC	350	88	KERN	KERN
COUNTRYWOOD	SDAC	238	68	KERN	KERN
CYPRESS CANYON	SDAC	50	29	KERN	KERN
DE RANCHO Y MOBILE VILLA WATER	DAC	200	90	KERN	KERN
EAST NILES	SDAC	31772	7846	KERN	KERN
EAST WILSON ROAD	DAC	35	14	KERN	KERN
EDMUNDSON ACRES	DAC	279	84	KERN	KERN
EL ADOBE POA, INC	SDAC	200	80	KERN	KERN
ERSKINE CREEK WC	SDAC	2500	1031	KERN	KERN
FORD CITY	SDAC	4278	1510	KERN	KERN
FOURTH STREET	SDAC	54	28	KERN	KERN
FRAZIER PARK	SDAC	2691	1290	KERN	KERN
FRONTIER TRAIL HOMEOWNERS ASSOC, INC.	DAC	32	32	KERN	KERN
FULLER ACRES	SDAC	545	165	KERN	KERN
GLENNVILLE	SDAC	198	60	KERN	KERN
GREENFIELD COUNTY WD	DAC	9900	3021	KERN	KERN
HAVILAH	DAC	79	24	KERN	KERN
HILLVIEW ACRES	SDAC	40	47	KERN	KERN
HUNGRY GULCH	SDAC	36	38	KERN	KERN
JUNIPER HILLS	SDAC	177	58	KERN	KERN
KERN VALLEY MUTUAL WATER	SDAC	47	47	KERN	KERN
KERNVALE	SDAC	75	31	KERN	KERN
KERNVILLE	SDAC	2491	1796	KERN	KERN
KRISTA MUTUAL WATER COMPANY	SDAC	462	170	KERN	KERN
LAKE ISABELLA	SDAC	500	129	KERN	KERN

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COMMUNITY NAME	DAC STATUS	POPULATION	CONNECTIONS	COUNTY	IRWM
LAKE OF THE WOODS	DAC	82	86	KERN	KERN
LAKELAND	SDAC	268	205	KERN	KERN
LAKEVIEW RANCHOS	SDAC	120	71	KERN	KERN
LAMONT	SDAC	19057	3300	KERN	KERN
LEBEC	SDAC	1468	299	KERN	KERN
LONG CANYON	SDAC	120	65	KERN	KERN
LOST HILLS	SDAC	2412	424	KERN	KERN
LOWER BODFISH	SDAC	344	520	KERN	KERN
MARICOPA	SDAC	1115	393	KERN	KERN
MCKITTRICK	DAC	146	57	KERN	KERN
METTLER	SDAC	157	43	KERN	KERN
MIRASOL COMPANY WATER SYSTEM	SDAC	29	12	KERN	KERN
MITCHELLS CORNER	DAC	32	16	KERN	KERN
MOUNTAIN MESA	SDAC	777	404	KERN	KERN
OAK KNOLLS MUTUAL WATER COMPANY	SDAC	123	47	KERN	KERN
OASIS PROPERTY OWNERS ASSOCIATION	DAC	100	39	KERN	KERN
OILDALE	SDAC	34133	9863	KERN	KERN
ONYX	SDAC	266	192	KERN	KERN
OPAL FRY AND SON	SDAC	40	13	KERN	KERN
PANAMA ROAD PROPERTY OWNERS ASSOCIATION	SDAC	50	16	KERN	KERN
PARADISE COVE LODGE	DAC	52	4	KERN	KERN
PINEBROOK	SDAC	84	42	KERN	KERN
PINON HILL WATER COMPANY	DAC	109	38	KERN	KERN
PINON PINES MWC	DAC	644	273	KERN	KERN
PONDEROSA PINE	SDAC	93	29	KERN	KERN
R.S. MUTUAL WATER COMPANY	SDAC	67	24	KERN	KERN
RAINBIRD VALLEY	SDAC	238	85	KERN	KERN
REEDER TRACT	SDAC	500	300	KERN	KERN
REXLAND ACRES	SDAC	4029	1221	KERN	KERN
RIVERDALE VILLAGE	SDAC	750	290	KERN	KERN
RIVERKERN	SDAC	336	114	KERN	KERN
RIVERNOOK MHP	DAC	535	290	KERN	KERN
SAN JOAQUIN ESTATES	DAC	165	61	KERN	KERN
SHADY LANE MOBILE PARK	SDAC	30	28	KERN	KERN
SIERRA BELLA	SDAC	60	180	KERN	KERN
SIERRA MEADOWS	DAC	68	51	KERN	KERN

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COMMUNITY NAME	DAC STATUS	POPULATION	CONNECTIONS	COUNTY	IRWM
SOUTH FORK GRAMMAR SCHOOL	SDAC	150	1	KERN	KERN
SOUTH FORK MIDDLE SCHOOL	SDAC	205	1	KERN	KERN
SOUTH FORK WOMANS CLUB, INC.	SDAC	60	1	KERN	KERN
SOUTH LAKE	SDAC	1379	1076	KERN	KERN
SOUTH TAFT	DAC	2169	602	KERN	KERN
SPLIT MOUNTAIN	SDAC	209	162	KERN	KERN
SQUIRREL MOUNTAIN VALLEY	DAC	1379	1076	KERN	KERN
TAFT	DAC	9425	2428	KERN	KERN
TAFT HEIGHTS	DAC	1802	793	KERN	KERN
TEHACHAPI	DAC	8839	41	KERN	KERN
TRADEWINDS	SDAC	632	234	KERN	KERN
TUPMAN	SDAC	153	74	KERN	KERN
UPPER BODFISH	SDAC	414	209	KERN	KERN
V.R. S TRAILER PARK	SDAC	30	27	KERN	KERN
VALLEY ACRES	DAC	336	140	KERN	KERN
VALLEY ESTATES	SDAC	302	113	KERN	KERN
VALLEY VIEW ESTATES	SDAC	112	50	KERN	KERN
VICTORY MWC	DAC	740	173	KERN	KERN
WEEDPATCH	SDAC	2658	422	KERN	KERN
WEST MARICOPA	DAC	80	34	KERN	KERN
WEST TEHACHAPI	DAC	150	36	KERN	KERN
WILSON ROAD	DAC	72	20	KERN	KERN
WINI MUTUAL WATER COMPANY	DAC	29	12	KERN	KERN
WOODY	SDAC	116	35	KERN	KERN
ALICE MANOR	DAC	46	1	FRESNO	KINGS BASIN
ALKALI FLATS	SDAC	100	100	FRESNO	KINGS BASIN
ARMONA	DAC	4143	1345	KINGS	KINGS BASIN
BAR 20 PARTNER	SDAC	60	15	FRESNO	KINGS BASIN
BERAN WAY	DAC	100	41	FRESNO	KINGS BASIN
BIOLA	SDAC	1623	300	FRESNO	KINGS BASIN
BRITTEN	DAC	89	27	FRESNO	KINGS BASIN
BURREL	DAC	16	16	FRESNO	KINGS BASIN
CAMDEN TRAILER PARK	DAC	75	25	FRESNO	KINGS BASIN
CARUTHERS	DAC	2503	672	FRESNO	KINGS BASIN
COMMUNITY 152	SDAC	877	266	FRESNO	KINGS BASIN
COMMUNITY 168	SDAC	69	21	FRESNO	KINGS BASIN
COMMUNITY 173	DAC	49	13	FRESNO	KINGS BASIN

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COMMUNITY NAME	DAC STATUS	POPULATION	CONNECTIONS	COUNTY	IRWM
COMMUNITY 178	DAC	148	45	FRESNO	KINGS BASIN
COMMUNITY 180	DAC	59	18	FRESNO	KINGS BASIN
COMMUNITY 186	SDAC	59	18	FRESNO	KINGS BASIN
COMMUNITY 192	SDAC	33	10	FRESNO	KINGS BASIN
COMMUNITY 197	SDAC	49	15	FRESNO	KINGS BASIN
COMMUNITY 204	SDAC	66	20	FRESNO	KINGS BASIN
COMMUNITY 214	SDAC	42	13	FRESNO	KINGS BASIN
COMMUNITY 215	SDAC	53	16	FRESNO	KINGS BASIN
COMMUNITY 216	SDAC	63	19	FRESNO	KINGS BASIN
COMMUNITY 219	DAC	49	15	FRESNO	KINGS BASIN
COMMUNITY 235	SDAC	72	22	FRESNO	KINGS BASIN
COMMUNITY 236	DAC	35	10	FRESNO	KINGS BASIN
COUNTRY VIEW ALZHEIMER CENTER	DAC	125	2	FRESNO	KINGS BASIN
CUTLER	SDAC	6200	1218	TULARE	KINGS BASIN
DALEVILLE	DAC	138	42	FRESNO	KINGS BASIN
DEL REY	SDAC	1500	240	FRESNO	KINGS BASIN
DELFT COLONY	DAC	400	99	TULARE	KINGS BASIN
DINUBA	SDAC	24657	5905	TULARE	KINGS BASIN
DOUBLE L MOBILE RANCH PARK	SDAC	80	37	FRESNO	KINGS BASIN
DOUBLE L NEIGHBORHOOD	SDAC	70	35	FRESNO	KINGS BASIN
EAST OROSI	SDAC	700	106	TULARE	KINGS BASIN
EASTON ESTATES WATER COMPANY	DAC	302	106	FRESNO	KINGS BASIN
EL MONTE VILLAGE M.H.P.	DAC	100	49	TULARE	KINGS BASIN
ELM COURT	DAC	64	14	FRESNO	KINGS BASIN
FOWLER	DAC	5801	1784	FRESNO	KINGS BASIN
FRED RAU DAIRY	DAC	85	24	FRESNO	KINGS BASIN
FRESNO	DAC	527438	132981	FRESNO	KINGS BASIN
GARDEN APARTMENTS	SDAC	35	10	FRESNO	KINGS BASIN
GEORGE COX WATER SYSTEM	DAC	40	20	FRESNO	KINGS BASIN
GLEANINGS FOR THE HUNGRY	SDAC	31	12	TULARE	KINGS BASIN
GREEN ACRES MOBILE HOME ESTATE	DAC	350	112	FRESNO	KINGS BASIN
HARDWICK	SDAC	40	16	KINGS	KINGS BASIN
HOME GARDEN	SDAC	1750	502	KINGS	KINGS BASIN
KAMM RANCH COMPANY	DAC	20	3	FRESNO	KINGS BASIN
KERMAN	DAC	14068	234	FRESNO	KINGS BASIN
KINGS PARK APARTMENTS	SDAC	120	40	FRESNO	KINGS BASIN



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COMMUNITY NAME	DAC STATUS	POPULATION	CONNECTIONS	COUNTY	IRWM
LANARE	DAC	660	1	FRESNO	KINGS BASIN
LATON	SDAC	1824	331	FRESNO	KINGS BASIN
LINDA VISTA FARMS	SDAC	63	17	FRESNO	KINGS BASIN
LONDON	SDAC	2138	439	TULARE	KINGS BASIN
LOPEZ LABOR CAMP	SDAC	50	25	TULARE	KINGS BASIN
MADDOX DAIRY	SDAC	50	15	FRESNO	KINGS BASIN
MALAGA	DAC	947	509	FRESNO	KINGS BASIN
MONMOUTH	SDAC	120	37	FRESNO	KINGS BASIN
MONSON	DAC	140	34	TULARE	KINGS BASIN
ORANGE COVE	SDAC	9780	1485	FRESNO	KINGS BASIN
OROSI	SDAC	8770	1631	TULARE	KINGS BASIN
PARLIER	SDAC	12058	2505	FRESNO	KINGS BASIN
PERRY COLONY	DAC	50	50	FRESNO	KINGS BASIN
PINEDALE	DAC	16735	3541	FRESNO	KINGS BASIN
RAISIN CITY	SDAC	190	64	FRESNO	KINGS BASIN
REEDLEY	DAC	24842	5964	FRESNO	KINGS BASIN
RIVERBEND MOBILE HOME & RV PARK	DAC	400	46	FRESNO	KINGS BASIN
RIVERDALE	SDAC	3145	930	FRESNO	KINGS BASIN
ROLINDA	SDAC	20	20	FRESNO	KINGS BASIN
RUBYS VALLEY CARE HOME	SDAC	75	1	FRESNO	KINGS BASIN
SAN JOAQUIN	SDAC	4060	701	FRESNO	KINGS BASIN
SANGER	DAC	25664	6210	FRESNO	KINGS BASIN
SELMA	DAC	25329	6282	FRESNO	KINGS BASIN
SEVILLE	SDAC	400	77	TULARE	KINGS BASIN
SHADY LAKES MOBILE HOME PARK	SDAC	160	60	FRESNO	KINGS BASIN
SIERRA MOBILE HOME PARK	DAC	250	128	FRESNO	KINGS BASIN
SULTANA	SDAC	775	249	TULARE	KINGS BASIN
SUNNYSIDE CONVALESCENT HOSP	DAC	198	3	FRESNO	KINGS BASIN
SUNSET WEST MOBILE HOME PARK	DAC	350	159	FRESNO	KINGS BASIN
THREE PALMS MOBILEHOME PARK	DAC	300	105	FRESNO	KINGS BASIN
TRACT 1199 WATER SYSTEM	DAC	25	10	FRESNO	KINGS BASIN
TRANQUILLITY	SDAC	897	326	FRESNO	KINGS BASIN
TRAVER	SDAC	634	187	TULARE	KINGS BASIN
VIKING TAILER PARK	DAC	104	48	FRESNO	KINGS BASIN
WATERTEK- METROPOLITAN	SDAC	99	29	FRESNO	KINGS BASIN

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COMMUNITY NAME	DAC STATUS	POPULATION	CONNECTIONS	COUNTY	IRWM
WEST MCKINLEY WATER SYSTEM	DAC	40	12	FRESNO	KINGS BASIN
WEST PARK	DAC	250	100	FRESNO	KINGS BASIN
WESTBROOK MOBILE HOME PARK	SDAC	50	1	FRESNO	KINGS BASIN
WOODWARD BLUFFS MHP	DAC	300	172	FRESNO	KINGS BASIN
YETTEM	DAC	350	64	TULARE	KINGS BASIN
ZONNEVELD DAIRY	SDAC	70	19	FRESNO	KINGS BASIN
AGBAYANI VILLAGE	DAC	26	2	KERN	POSO CREEK
COMMUNITY 477	DAC	132	40	KERN	POSO CREEK
COMMUNITY 478	DAC	792	240	KERN	POSO CREEK
DELANO	SDAC	53138	11046	KERN	POSO CREEK
EARLIMART	SDAC	8800	1591	TULARE	POSO CREEK
MCFARLAND	SDAC	14658	2804	KERN	POSO CREEK
POND	DAC	48	18	KERN	POSO CREEK
POND SCHOOL	SDAC	250	2	KERN	POSO CREEK
POPLAR AVE COMMUNITY	DAC	30	9	KERN	POSO CREEK
RICHGROVE	SDAC	2700	600	TULARE	POSO CREEK
RODRIQUEZ LABOR CAMP	DAC	110	35	TULARE	POSO CREEK
SEMITROPIC SCHOOL	SDAC	263	6	KERN	POSO CREEK
SHAFTER	DAC	19100	4720	KERN	POSO CREEK
SIERRA VISTA	SDAC	44	13	TULARE	POSO CREEK
WASCO	DAC	22690	4872	KERN	POSO CREEK
CALIFORNIA HOT SPRINGS	SDAC	50	59	TULARE	SOUTHERN SIERRA
DOYAL'S MOBILE HOME PARK	DAC	24	15	FRESNO	SOUTHERN SIERRA
HARTLAND	SDAC	100	32	TULARE	SOUTHERN SIERRA
IDLEWILD	SDAC	55	24	TULARE	SOUTHERN SIERRA
LAKE SUCCESS MOBILE LODGE	SDAC	40	18	TULARE	SOUTHERN SIERRA
MCCLENNEY TRACT	SDAC	10	10	TULARE	SOUTHERN SIERRA
PINE FLAT	SDAC	1033	277	TULARE	SOUTHERN SIERRA
POSEY	SDAC	79	24	TULARE	SOUTHERN SIERRA
RIO VISTA MOBILE HOME PARK	DAC	20	15	FRESNO	SOUTHERN SIERRA
SIERRA GLEN MOBILE HOME PARK	DAC	22	14	TULARE	SOUTHERN SIERRA
SPRINGVILLE	SDAC	1500	369	TULARE	SOUTHERN SIERRA

Section Four: Disadvantaged Communities  
Preliminary Needs Assessment

COMMUNITY NAME	DAC STATUS	POPULATION	CONNECTIONS	COUNTY	IRWM
TRACT 327 MUTUAL WATER CO.	SDAC	24	15	TULARE	SOUTHERN SIERRA
A & A MHP	DAC	200	62	TULARE	TULE
AKIN WATER CO.	DAC	86	26	TULARE	TULE
ALLENSWORTH	SDAC	521	156	TULARE	TULE
ALPAUGH	DAC	1026	391	TULARE	TULE
BEVERLY-GRAND MUTUAL WATER	DAC	108	28	TULARE	TULE
CASILLAS WATER SYSTEM	SDAC	37	2	TULARE	TULE
CENTRAL MUTUAL WATER CO	DAC	112	41	TULARE	TULE
COMMUNITY 330	SDAC	63	19	TULARE	TULE
COMMUNITY 332	SDAC	59	18	TULARE	TULE
COMMUNITY 340	SDAC	116	35	TULARE	TULE
COMMUNITY 342	SDAC	36	11	TULARE	TULE
DUCOR	SDAC	558	166	TULARE	TULE
E PLANO	DAC	46	14	TULARE	TULE
EAST PORTERVILLE	SDAC	5528	1675	TULARE	TULE
FRIENDS RV PARK	DAC	29	44	TULARE	TULE
GRANDVIEW GARDENS	DAC	347	104	TULARE	TULE
JONES CORNER	DAC	339	112	TULARE	TULE
LAKESIDE TRAILER PARK	SDAC	500	91	TULARE	TULE
MOUNTAIN VIEW DUPLEXES	SDAC	150	14	TULARE	TULE
MULBERRY ISLAND	DAC	455	138	TULARE	TULE
PIXLEY	SDAC	3310	825	TULARE	TULE
PLANO	DAC	241	73	TULARE	TULE
POPLAR	SDAC	2200	582	TULARE	TULE
PORTERVILLE	DAC	62021	15535	TULARE	TULE
SHADY GROVE M H P	DAC	95	40	TULARE	TULE
SHILOH WATER CO.	DAC	75	20	TULARE	TULE
SPIEGELBERG	DAC	25	1	TULARE	TULE
TEA POT DOME	DAC	40	4	TULARE	TULE
TERRA BELLA	SDAC	2340	714	TULARE	TULE
TEVISTON	SDAC	343	104	TULARE	TULE
TIPTON	SDAC	1792	601	TULARE	TULE
TIPTON BURNETT ROAD	DAC	50	11	TULARE	TULE
TRACT 288	DAC	138	42	TULARE	TULE
TRACTS 24 - 41	SDAC	393	119	TULARE	TULE
TRACTS 66 - 90 - 127 - 557	DAC	412	125	TULARE	TULE
TRICO OIL ACRES COLONIA	SDAC	89	27	TULARE	TULE

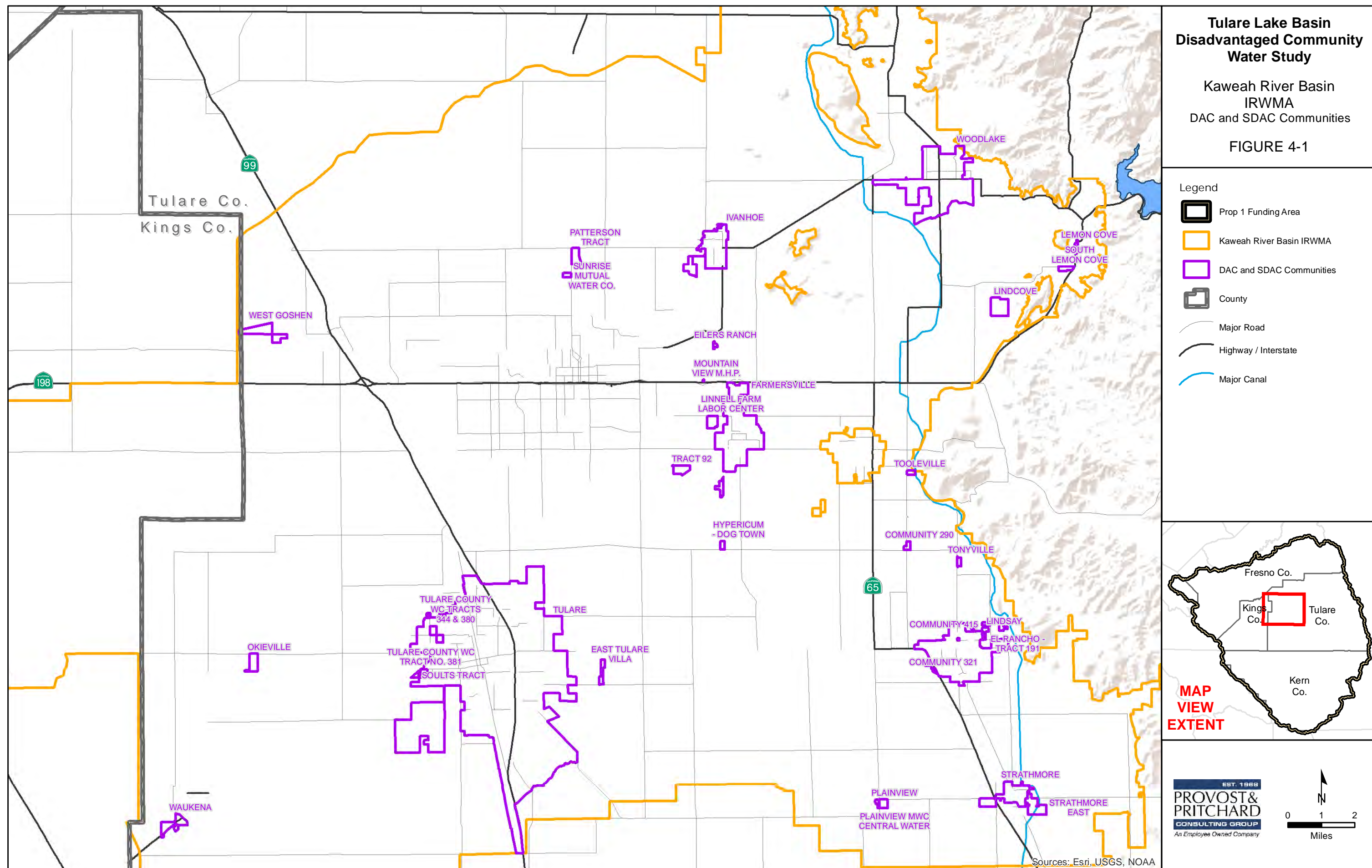
Section Four: Disadvantaged Communities  
Preliminary Needs Assessment

COMMUNITY NAME	DAC STATUS	POPULATION	CONNECTIONS	COUNTY	IRWM
WILLIAMS	SDAC	180	50	TULARE	TULE
WOODVILLE	SDAC	1673	467	TULARE	TULE
WOODVILLE FARM LABOR CENTER	SDAC	734	177	TULARE	TULE
BRITZ/COLUSA	SDAC	85	29	FRESNO	WESTSIDE SJ
BRITZ/FIVE POINTS SYSTEM	SDAC	76	33	FRESNO	WESTSIDE SJ
CANTUA CREEK	SDAC	210	78	FRESNO	WESTSIDE SJ
CINCO FARMS	SDAC	30	9	FRESNO	WESTSIDE SJ
COIT GINNING COMPANY	SDAC	90	31	FRESNO	WESTSIDE SJ
DWS PARTNERS	DAC	16	5	FRESNO	WESTSIDE SJ
EL PORVENIR	SDAC	143	50	FRESNO	WESTSIDE SJ
FARM 1	SDAC	50	15	FRESNO	WESTSIDE SJ
FARM 2	DAC	20	8	FRESNO	WESTSIDE SJ
FARM 3	DAC	20	8	FRESNO	WESTSIDE SJ
FARMING D	SDAC	110	38	FRESNO	WESTSIDE SJ
FCSA #49	DAC	134	46	FRESNO	WESTSIDE SJ
FELGER FARMS	SDAC	40	12	FRESNO	WESTSIDE SJ
FIVE POINTS RANCH	SDAC	100	37	FRESNO	WESTSIDE SJ
FIVE STAR RANCH	SDAC	40	22	FRESNO	WESTSIDE SJ
HARNISH FIVE POINTS INC	DAC	26	8	FRESNO	WESTSIDE SJ
HARRIS FARMS CAMP C #501-523	DAC	300	77	FRESNO	WESTSIDE SJ
HARRIS FARMS SOUTH #101-144	SDAC	160	41	FRESNO	WESTSIDE SJ
HOULDING FARMS	SDAC	50	15	FRESNO	WESTSIDE SJ
HURON	SDAC	7306	7	FRESNO	WESTSIDE SJ
LA JOLLA FARMS	DAC	30	10	FRESNO	WESTSIDE SJ
MURRIETA/WASHOE	SDAC	25	10	FRESNO	WESTSIDE SJ
PAPPAS & CO (FARM HOUSING)	DAC	25	13	FRESNO	WESTSIDE SJ
PAPPAS & COMPANY (FARM HOUSING)	DAC	25	12	FRESNO	WESTSIDE SJ
PILIBOS BROTHERS RANCH	SDAC	35	15	FRESNO	WESTSIDE SJ
SAN ANDREAS FARMS	SDAC	40	5	FRESNO	WESTSIDE SJ
SHAMROCK FARMING	DAC	40	12	KINGS	WESTSIDE SJ
SOMMERVILLE RV PARK	DAC	500	4	FRESNO	WESTSIDE SJ
STEVE MARKS CATTLE COMPANY	SDAC	25	24	FRESNO	WESTSIDE SJ
SUMNER PECK RANCH	SDAC	42	19	FRESNO	WESTSIDE SJ
TERRA LINDA FARMS	SDAC	40	11	FRESNO	WESTSIDE SJ
VAQUERO FARMS	DAC	70	17	FRESNO	WESTSIDE SJ
WESTRIDGE	SDAC	30	9	FRESNO	WESTSIDE SJ

Section Four: Disadvantaged Communities  
Preliminary Needs Assessment

COMMUNITY NAME	DAC STATUS	POPULATION	CONNECTIONS	COUNTY	IRWM
AVENAL	SDAC	14154	1953	KINGS	Outside of IRWM
COMMUNITY 241	DAC	165	50	FRESNO	Outside of IRWM
CORCORAN	SDAC	24813	3388	KINGS	Outside of IRWM
EXETER	DAC	10548	3298	TULARE	Outside of IRWM
HANFORD	SDAC	59338	16742	KINGS	Outside of IRWM
KETTLEMAN CITY	DAC	1450	354	KINGS	Outside of IRWM
LEMOORE	DAC	26093	6819	KINGS	Outside of IRWM
LEMOORE MOBILE HOME PARK	DAC	125	38	KINGS	Outside of IRWM
MENDOTA	SDAC	11104	1911	FRESNO	Outside of IRWM
SANTA ROSA INDIAN COMMUNITY OF THE SANTA ROSA RANCHERIA	DAC	777	233	KINGS	Outside of IRWM
STRATFORD	SDAC	1301	364	KINGS	Outside of IRWM














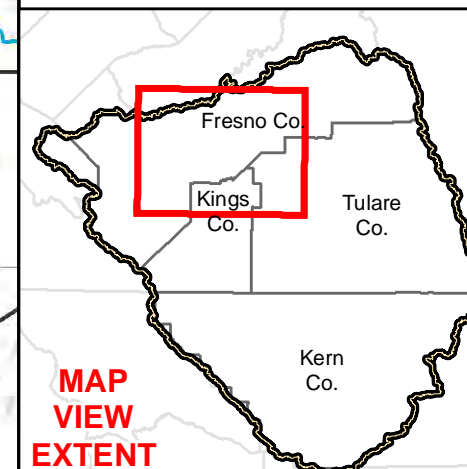




Kings Basin Water Authority  
DAC and SDAC Communities

**Legend**

-  Prop 1 Funding Area
-  Kings Basin Water Authority
-  DAC and SDAC Communities
-  County
-  Major Road
-  Highway / Interstate
-  Major Canal



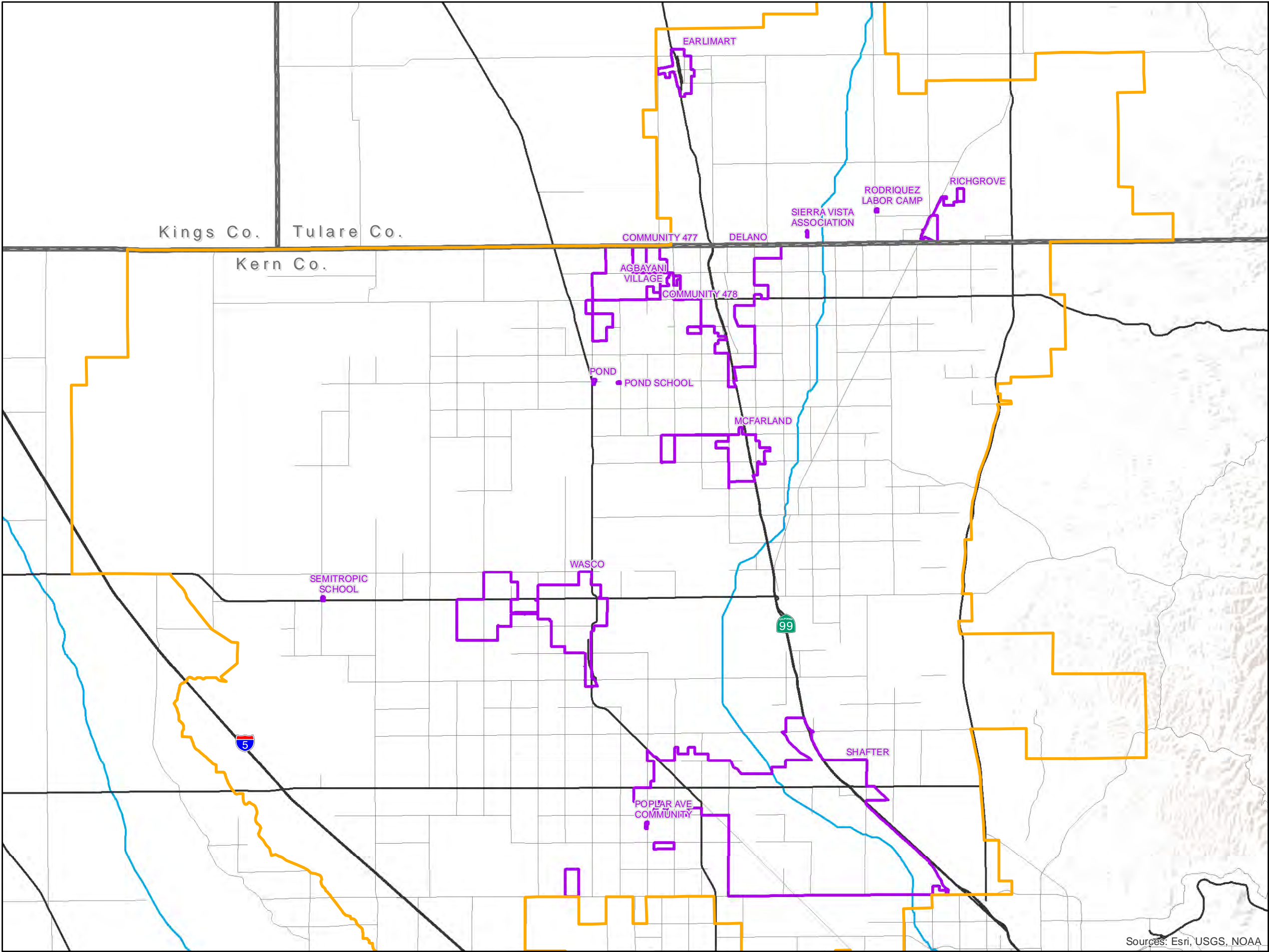
**MAP  
VIEW  
EXTENT**

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PRITCHARD**  
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1/4/2019 : G:\Tulare\_County of-1399\139918001-DAC Involvement\GIS\Map\Report\ReportTemplates\Fig 4 - DAC by IRWM\DACs\_KingsBasinWA.mxd



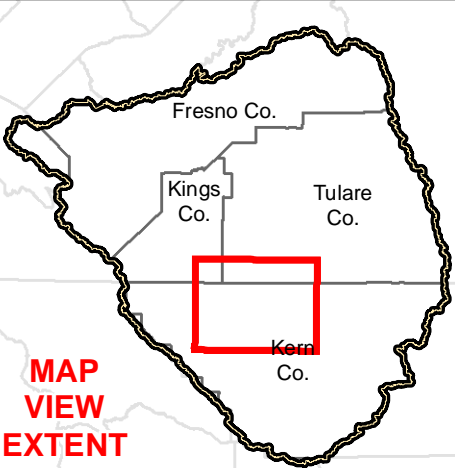


**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

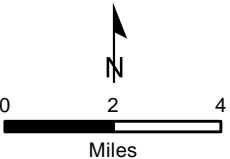
Poso Creek IRWMA  
DAC and SDAC Communities

FIGURE 4-4

- Legend
- Prop 1 Funding Area
  - Poso Creek IRWMA
  - DAC and SDAC Communities
  - County
  - Major Road
  - Highway / Interstate
  - Major Canal

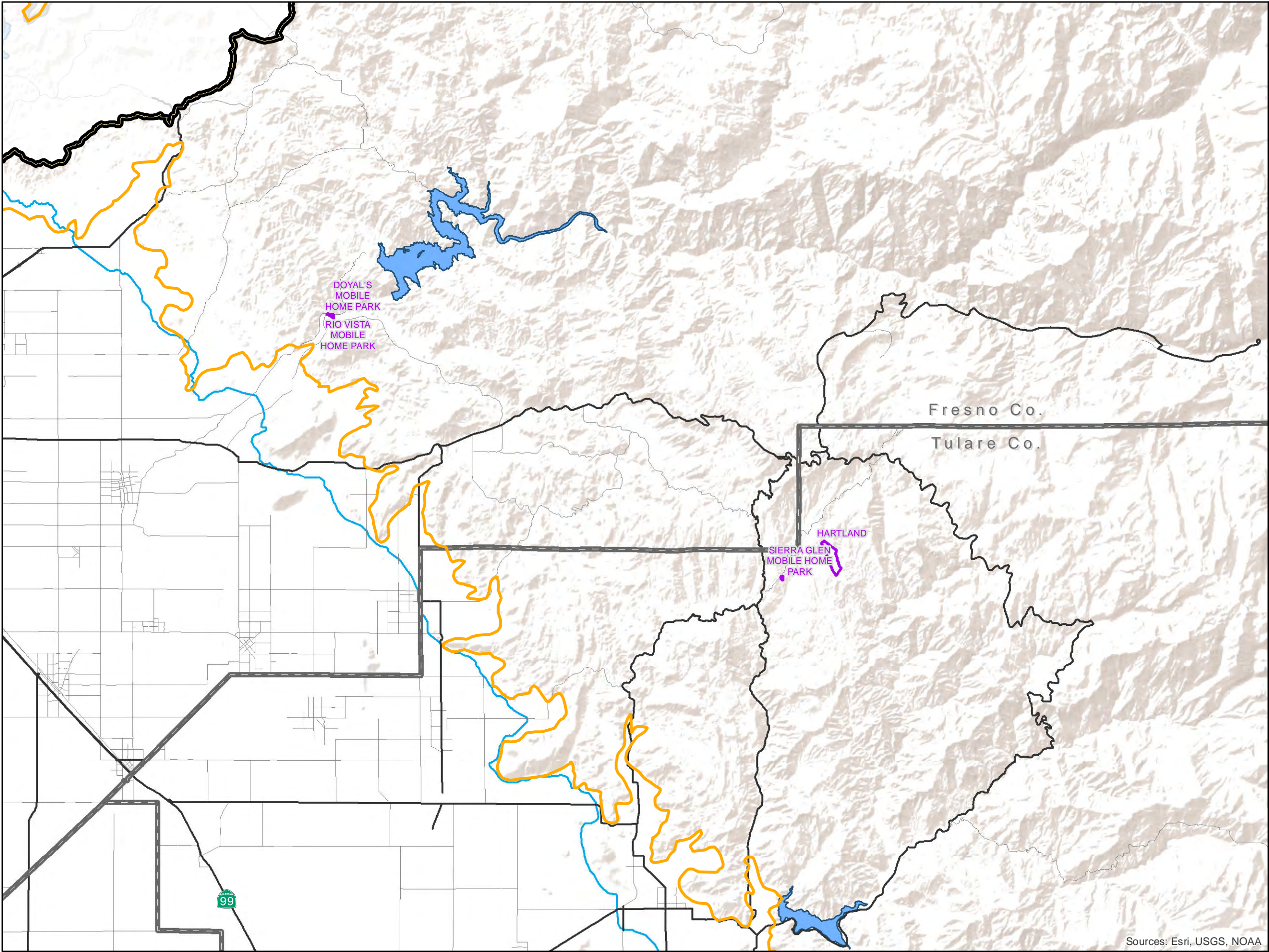


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Sources: Esri, USGS, NOAA












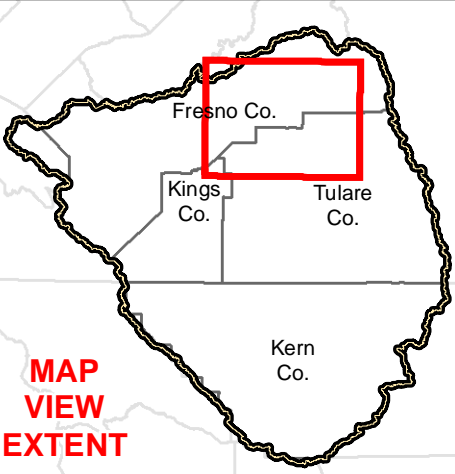
**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

Southern Sierra IRWMA  
(North)

DAC and SDAC Communities

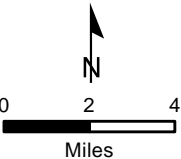
FIGURE 4-5

- Legend
-  Prop 1 Funding Area
  -  Southern Sierra IRWMA
  -  DAC and SDAC Communities
  -  County
  -  Major Road
  -  Highway / Interstate
  -  Major Canal



**MAP  
VIEW  
EXTENT**

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Sources: Esri, USGS, NOAA










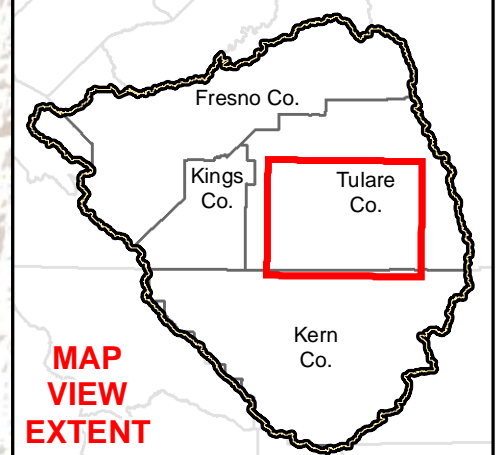
# **Tulare Lake Basin Disadvantaged Community Water Study**

Southern Sierra IRWMA  
(South)  
DAC and SDAC Communities

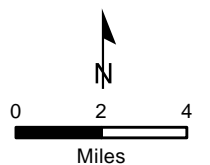
FIGURE 4-6

## Legend

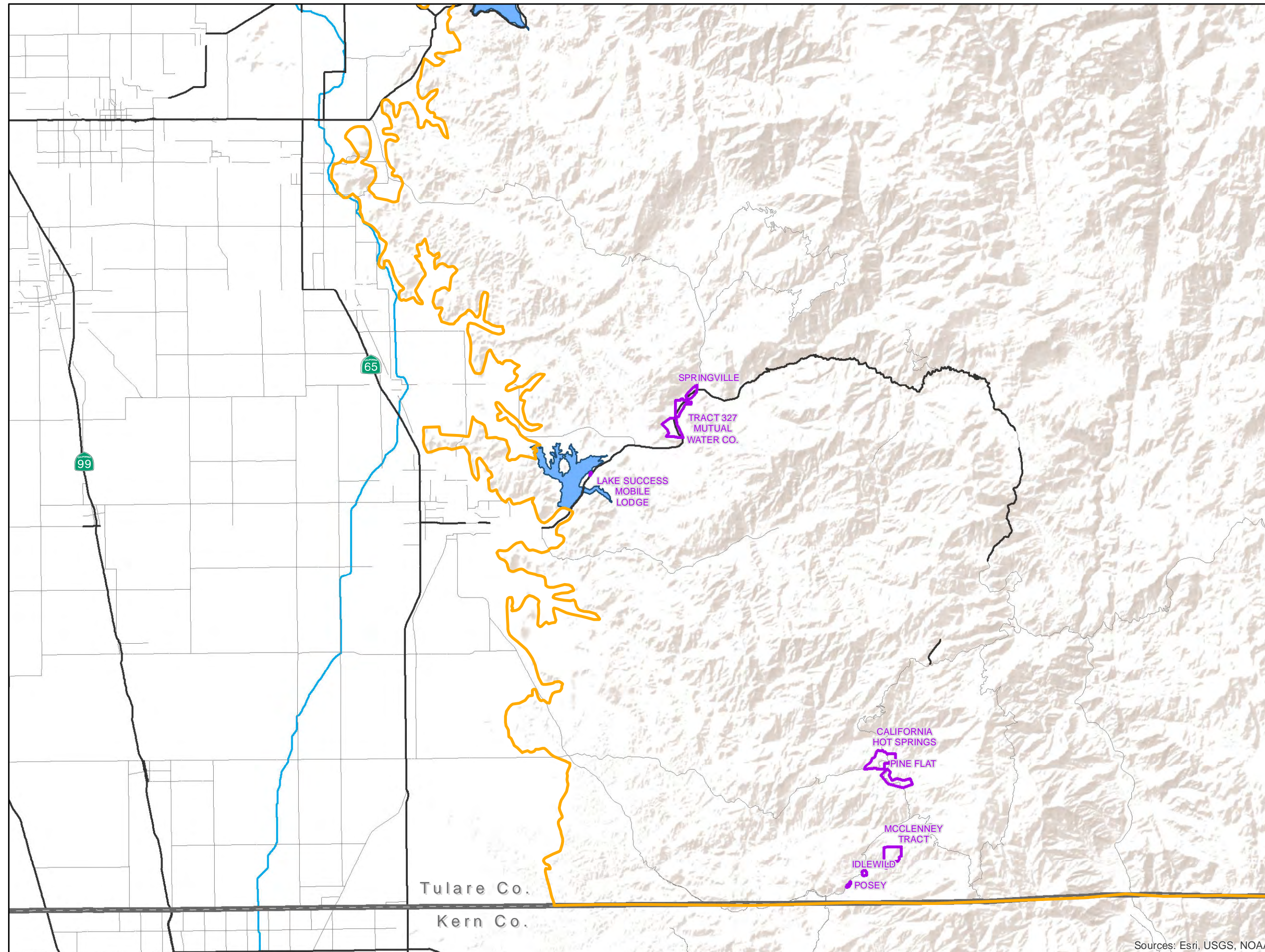
-  Prop 1 Funding Area
-  Southern Sierra IRWMA
-  DAC and SDAC Communities
-  County
-  Major Road
-  Highway / Interstate
-  Major Canal



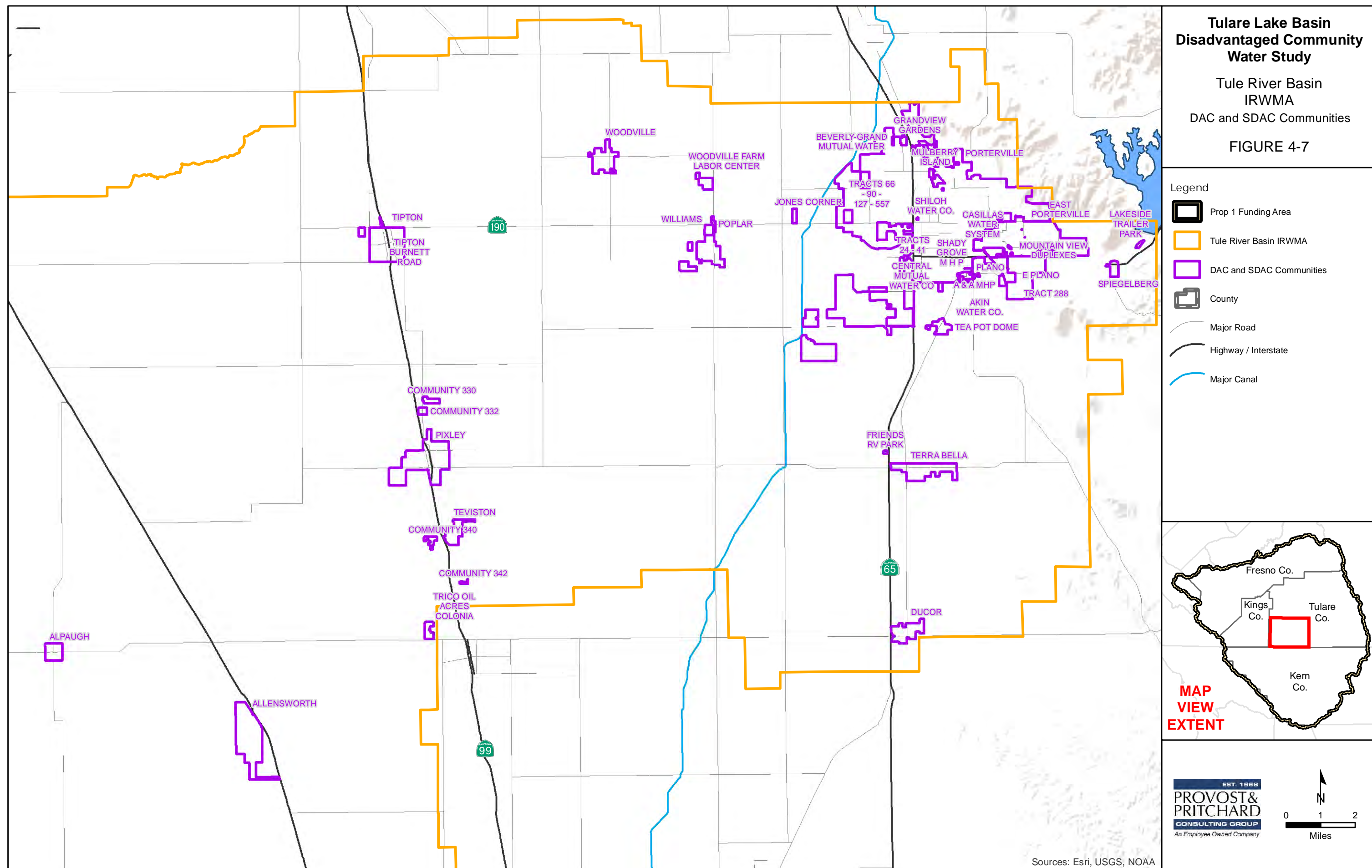
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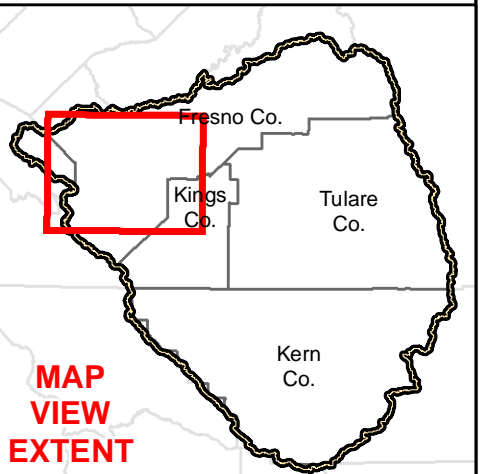
# Tulare Lake Basin Disadvantaged Community Water Study

Westside San Joaquin  
IRWMA  
DAC and SDAC Communities

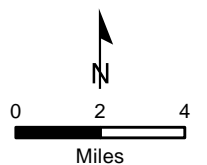
FIGURE 4-8

## Legend

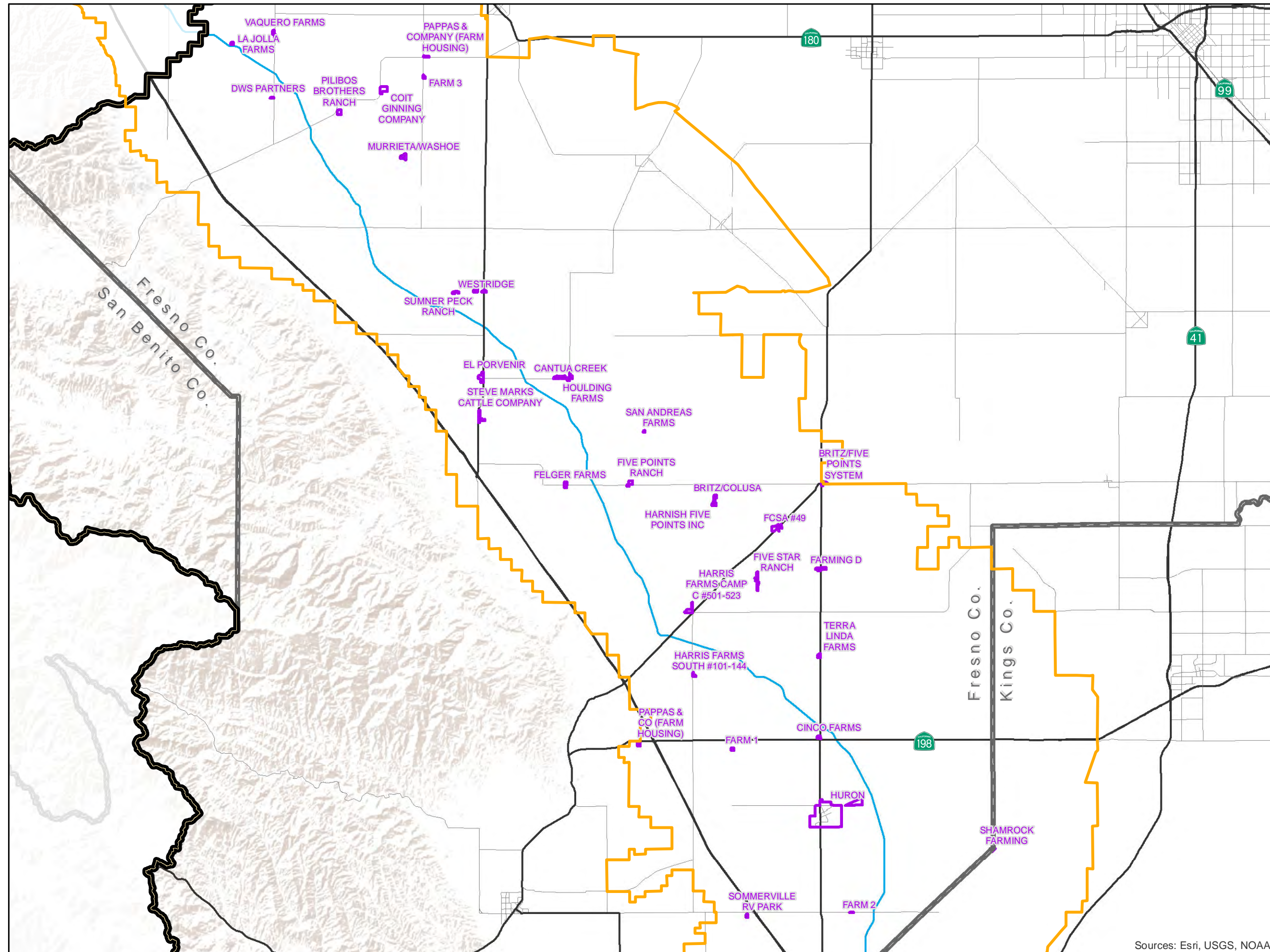
-  Prop 1 Funding Area
-  Westside San Joaquin IRWMA
-  DAC and SDAC Communities
-  County
-  Major Road
-  Highway / Interstate
-  Major Canal



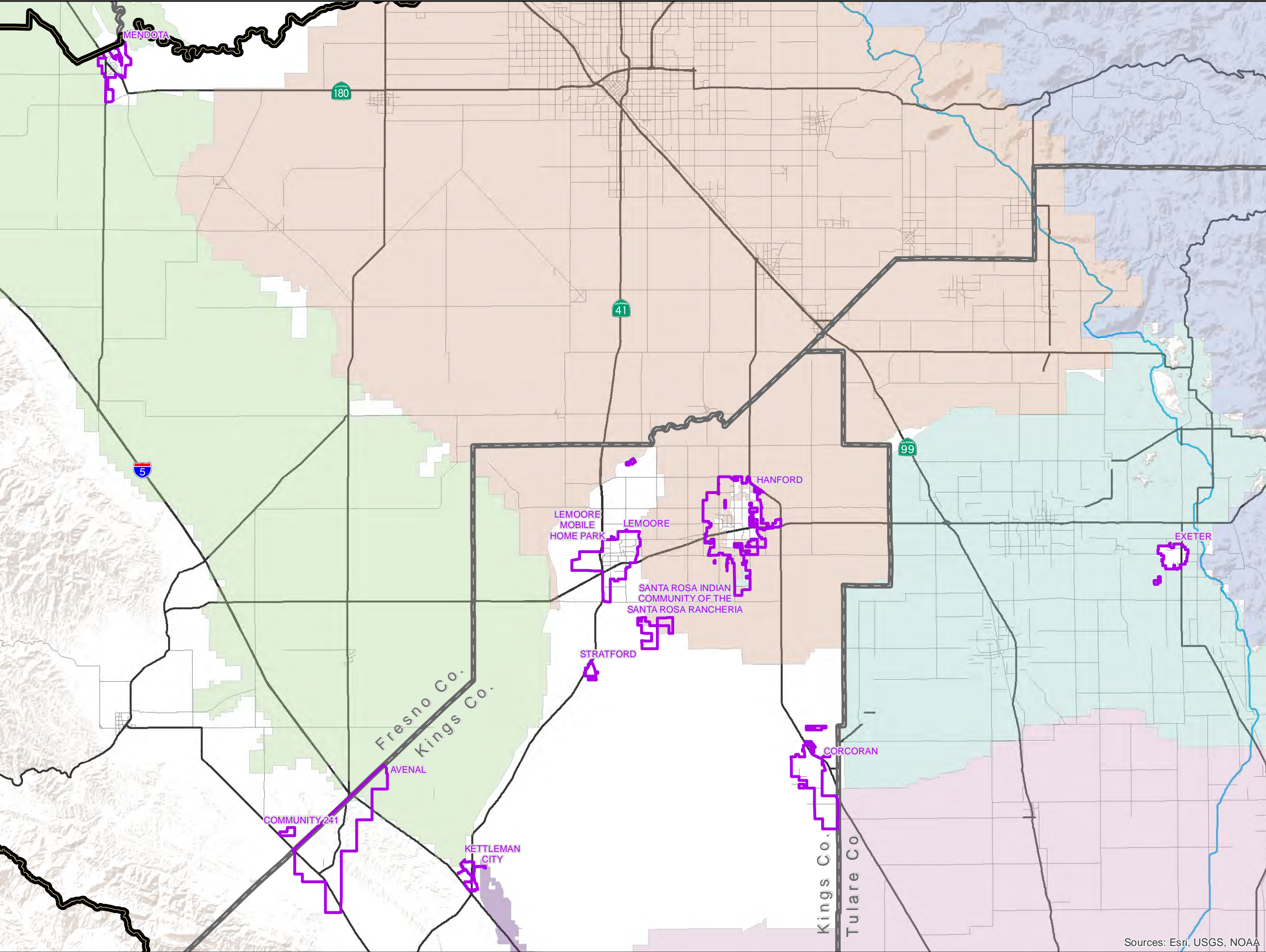
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Sources: Esri, USGS, NOAA







### Tulare Lake Basin Disadvantaged Community Water Study

DAC and SDAC Communities  
Outside of IRWMA Boundaries

FIGURE 4-9

Legend

- Prop 1 Funding Area
- DAC and SDAC Communities
- County
- Major Road
- Highway / Interstate
- Major Canal

**IRWMA**

- Kaweah River Basin
- Kern County
- Kings Basin
- Southern Sierra
- Tule
- Westside - San Joaquin

**MAP  
VIEW  
EXTENT**

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EST. 1968

0 3 6  
Miles

Sources: Esri, USGS, NOAA

## 5 Sources of Drinking Water Supply

The majority of communities within the Tulare-Kern Funding Area rely on groundwater for drinking water supply. Of the 333 DACs within the TKFA, approximately 87% rely on groundwater, while approximately 13% have a surface water supply.

One of the challenges identified in the previous studies is insufficient quantity of water, or a lack of redundancy or reliability of water supply. Systems that rely on a single source of supply are considered to be most vulnerable. Approximately 30% of the DACs rely on a water system with only one source of water. Table 5-2 shows the DACs that rely on only one source for their water supply. Those communities that rely on a single source of supply are also shown in Figure 5-1 through Figure 5-9.

Table 5-1. Summary of DACs with a Single Source

Source	DACs	DACs with 1 Source
Groundwater	290	77
Surface Water	43	22
<b>Total</b>	<b>333</b>	<b>99</b>

Table 5-2. Disadvantaged Communities with a Single Water Source

COMMUNITY NAME	DAC STATUS	WATER SOURCE	COUNTY	IRWM
EL RANCHO - TRACT 191	SDAC	SURFACE WATER	TULARE	KAWEAH
LEMON COVE	DAC	GROUNDWATER	TULARE	KAWEAH
MOUNTAIN VIEW M.H.P.	DAC	GROUNDWATER	TULARE	KAWEAH
PLAINVIEW MWC CENTRAL WATER	SDAC	GROUNDWATER	TULARE	KAWEAH
TONYVILLE	DAC	SURFACE WATER	TULARE	KAWEAH
ATHAL	SDAC	GROUNDWATER	KERN	KERN
BELLA VISTA	SDAC	GROUNDWATER	KERN	KERN
CLARK STREET COMMUNITY WELL	SDAC	GROUNDWATER	KERN	KERN
DE RANCHO Y MOBILE VILLA WATER	DAC	GROUNDWATER	KERN	KERN
EAST WILSON ROAD	DAC	GROUNDWATER	KERN	KERN
GLENNVILLE	SDAC	GROUNDWATER	KERN	KERN
KERNVALE	SDAC	GROUNDWATER	KERN	KERN
KRISTA MUTUAL WATER COMPANY	SDAC	GROUNDWATER	KERN	KERN
LAKE OF THE WOODS	DAC	GROUNDWATER	KERN	KERN
MIRASOL COMPANY WATER SYSTEM	SDAC	GROUNDWATER	KERN	KERN
OPAL FRY AND SON	SDAC	GROUNDWATER	KERN	KERN
PANAMA ROAD PROPERTY OWNERS ASSOCIATION	SDAC	GROUNDWATER	KERN	KERN
PARADISE COVE LODGE	DAC	GROUNDWATER	KERN	KERN
PINON HILL WATER COMPANY	DAC	GROUNDWATER	KERN	KERN
R.S. MUTUAL WATER COMPANY	SDAC	GROUNDWATER	KERN	KERN
RIVERDALE VILLAGE	SDAC	GROUNDWATER	KERN	KERN



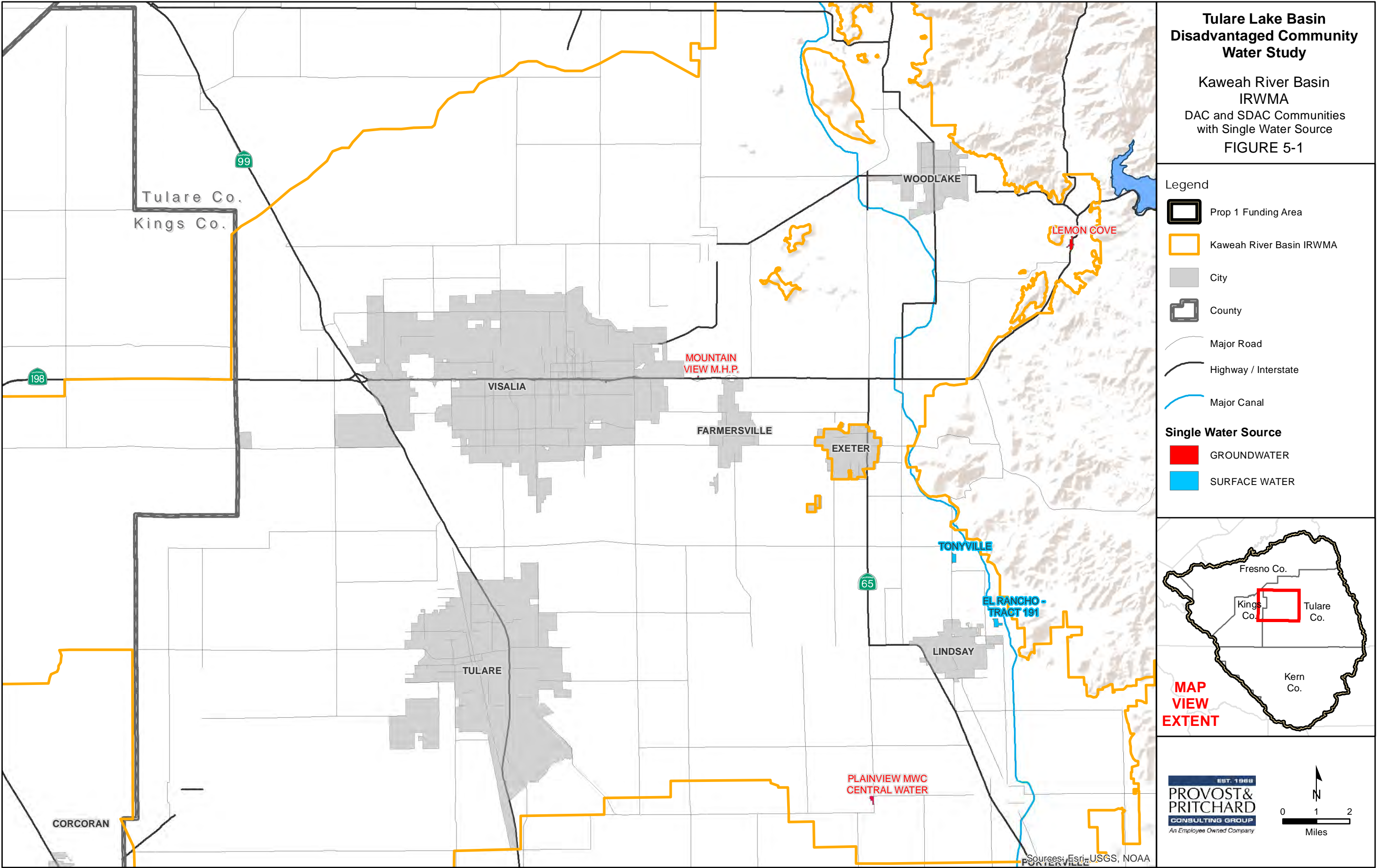
Section Five: Sources of Drinking Water Supply  
Preliminary Needs Assessment

COMMUNITY NAME	DAC STATUS	WATER SOURCE	COUNTY	IRWM
SAN JOAQUIN ESTATES	DAC	GROUNDWATER	KERN	KERN
SIERRA MEADOWS	DAC	GROUNDWATER	KERN	KERN
SOUTH FORK MIDDLE SCHOOL	SDAC	GROUNDWATER	KERN	KERN
SOUTH FORK WOMANS CLUB	SDAC	GROUNDWATER	KERN	KERN
V.R. S TRAILER PARK	SDAC	GROUNDWATER	KERN	KERN
WEST TEHACHAPI	DAC	GROUNDWATER	KERN	KERN
WILSON ROAD	DAC	GROUNDWATER	KERN	KERN
WINI MUTUAL WATER COMPANY	DAC	GROUNDWATER	KERN	KERN
ALICE MANOR	DAC	GROUNDWATER	FRESNO	KINGS BASIN
CAMDEN TRAILER PARK	DAC	GROUNDWATER	FRESNO	KINGS BASIN
COUNTRY VIEW ALZHEIMER CENTER	DAC	GROUNDWATER	FRESNO	KINGS BASIN
DOUBLE L MOBILE RANCH PARK	SDAC	GROUNDWATER	FRESNO	KINGS BASIN
EL MONTE VILLAGE M.H.P.	DAC	GROUNDWATER	TULARE	KINGS BASIN
ELM COURT	DAC	GROUNDWATER	FRESNO	KINGS BASIN
FRED RAU DAIRY	DAC	GROUNDWATER	FRESNO	KINGS BASIN
GREEN ACRES MOBILE HOME ESTATE	DAC	GROUNDWATER	FRESNO	KINGS BASIN
HARDWICK	SDAC	GROUNDWATER	KINGS	KINGS BASIN
KINGS PARK APARTMENTS	SDAC	GROUNDWATER	FRESNO	KINGS BASIN
LINDA VISTA FARMS	SDAC	GROUNDWATER	FRESNO	KINGS BASIN
LOPEZ LABOR CAMP	SDAC	GROUNDWATER	TULARE	KINGS BASIN
ORANGE COVE	SDAC	SURFACE WATER	FRESNO	KINGS BASIN
RAISIN CITY	SDAC	GROUNDWATER	FRESNO	KINGS BASIN
RUBYS VALLEY CARE HOME	SDAC	GROUNDWATER	FRESNO	KINGS BASIN
SHADY LAKES MOBILE HOME PARK	SDAC	GROUNDWATER	FRESNO	KINGS BASIN
SUNNYSIDE CONVALESCENT HOSP	DAC	GROUNDWATER	FRESNO	KINGS BASIN
TRACT 1199 WATER SYSTEM	DAC	GROUNDWATER	FRESNO	KINGS BASIN
VIKING TAILER PARK	DAC	GROUNDWATER	FRESNO	KINGS BASIN
WATERTEK-METROPOLITAN	SDAC	GROUNDWATER	FRESNO	KINGS BASIN
WOODWARD BLUFFS MHP	DAC	GROUNDWATER	FRESNO	KINGS BASIN
AGBAYANI VILLAGE	DAC	GROUNDWATER	KERN	POSO CREEK
POND	DAC	GROUNDWATER	KERN	POSO CREEK
POND SCHOOL	SDAC	GROUNDWATER	KERN	POSO CREEK
POPLAR AVE COMMUNITY	DAC	GROUNDWATER	KERN	POSO CREEK
RODRIQUEZ LABOR CAMP	DAC	GROUNDWATER	TULARE	POSO CREEK
SEMITROPIC SCHOOL	SDAC	GROUNDWATER	KERN	POSO CREEK
HARTLAND	SDAC	GROUNDWATER	TULARE	SOUTHERN SIERRA
LAKE SUCCESS MOBILE LODGE	SDAC	GROUNDWATER	TULARE	SOUTHERN SIERRA
RIO VISTA MOBILE HOME PARK	DAC	GROUNDWATER	FRESNO	SOUTHERN SIERRA
SIERRA GLEN MOBILE HOME PARK	DAC	GROUNDWATER	TULARE	SOUTHERN SIERRA
SPRINGVILLE	SDAC	SURFACE WATER	TULARE	SOUTHERN SIERRA

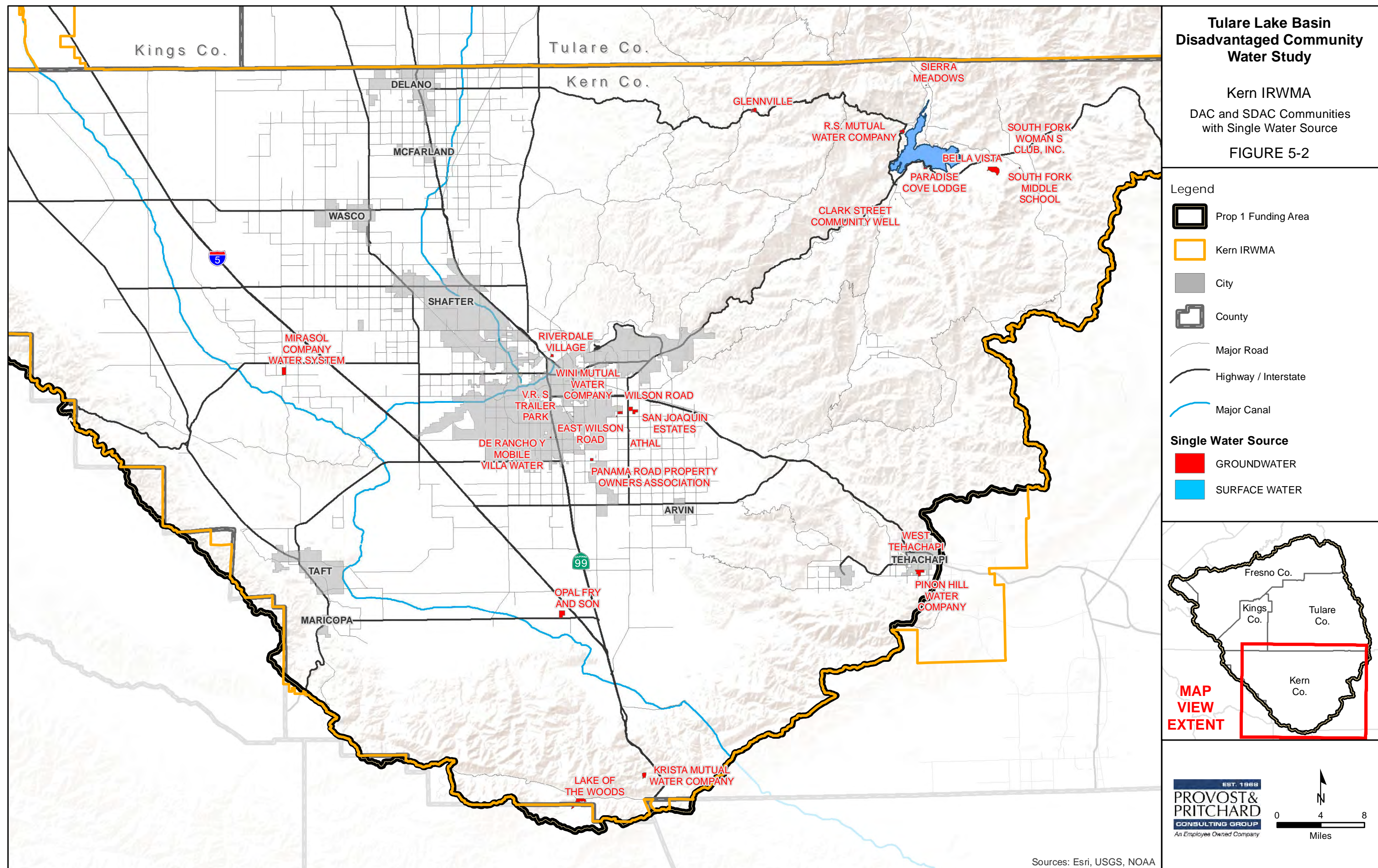


Section Five: Sources of Drinking Water Supply  
Preliminary Needs Assessment

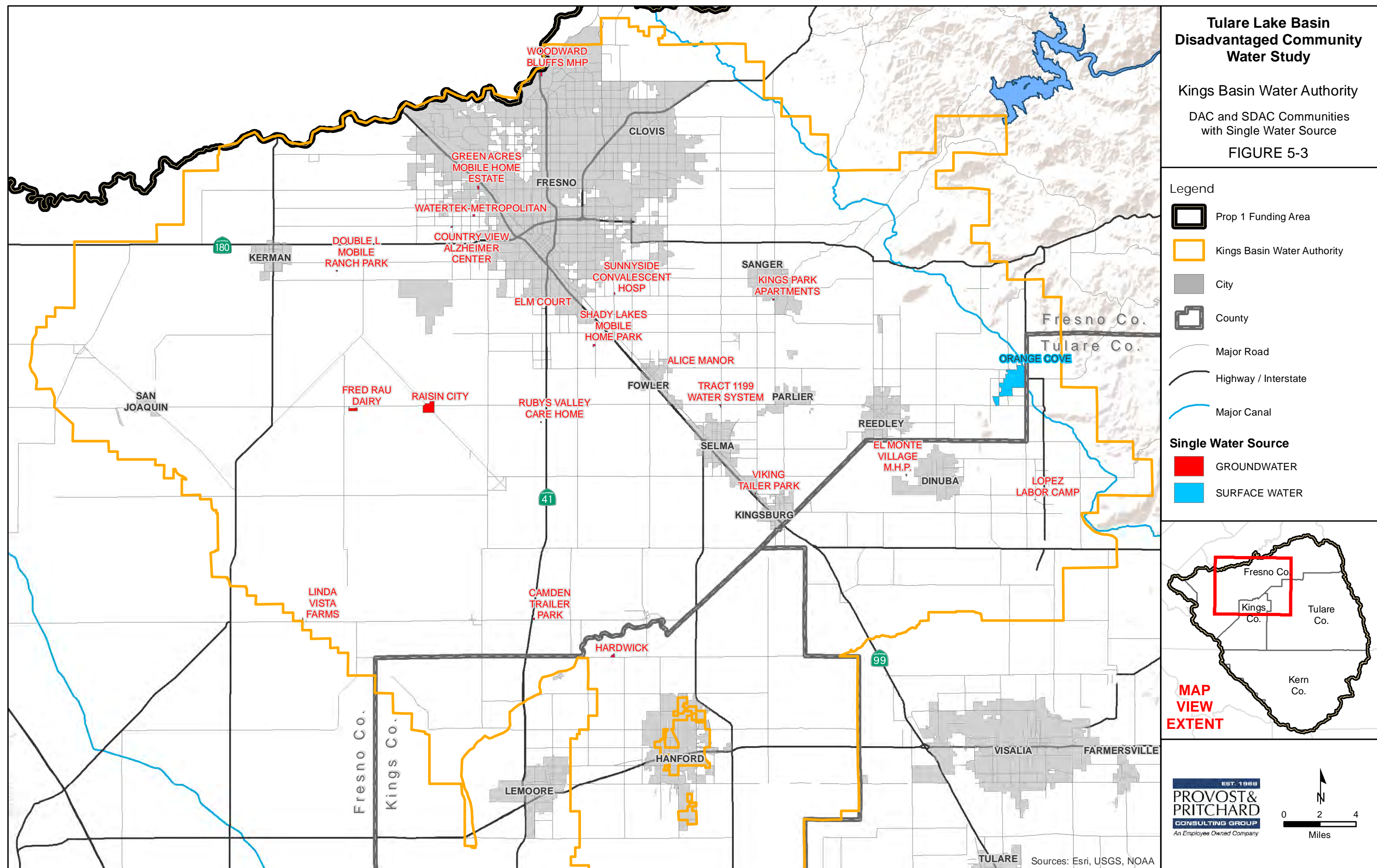
COMMUNITY NAME	DAC STATUS	WATER SOURCE	COUNTY	IRWM
TRACT 327 MUTUAL WATER CO.	SDAC	GROUNDWATER	TULARE	SOUTHERN SIERRA
A & A MHP	DAC	GROUNDWATER	TULARE	TULE
BEVERLY-GRAND MUTUAL WATER	DAC	GROUNDWATER	TULARE	TULE
CASILLAS WATER SYSTEM	SDAC	GROUNDWATER	TULARE	TULE
CENTRAL MUTUAL WATER CO	DAC	GROUNDWATER	TULARE	TULE
E PLANO	DAC	GROUNDWATER	TULARE	TULE
FRIENDS RV PARK	DAC	GROUNDWATER	TULARE	TULE
GRANDVIEW GARDENS	DAC	GROUNDWATER	TULARE	TULE
LAKEVIEW TRAILER PARK	SDAC	GROUNDWATER	TULARE	TULE
MOUNTAIN VIEW DUPLEXES	SDAC	GROUNDWATER	TULARE	TULE
SHADY GROVE MHP	DAC	GROUNDWATER	TULARE	TULE
SHILOH WATER CO.	DAC	GROUNDWATER	TULARE	TULE
SPIEGELBERG	DAC	GROUNDWATER	TULARE	TULE
TEA POT DOME	DAC	GROUNDWATER	TULARE	TULE
WILLIAMS	SDAC	GROUNDWATER	TULARE	TULE
BRITZ/COLUSA	SDAC	SURFACE WATER	FRESNO	WESTSIDE SJ
BRITZ/FIVE POINTS SYSTEM	SDAC	SURFACE WATER	FRESNO	WESTSIDE SJ
CANTUA CREEK	SDAC	SURFACE WATER	FRESNO	WESTSIDE SJ
COIT GINNING COMPANY	SDAC	SURFACE WATER	FRESNO	WESTSIDE SJ
EL PORVENIR	SDAC	SURFACE WATER	FRESNO	WESTSIDE SJ
FARMING D	SDAC	SURFACE WATER	FRESNO	WESTSIDE SJ
FCSA #49	DAC	SURFACE WATER	FRESNO	WESTSIDE SJ
FIVE POINTS RANCH	SDAC	GROUNDWATER	FRESNO	WESTSIDE SJ
FIVE STAR RANCH	SDAC	GROUNDWATER	FRESNO	WESTSIDE SJ
HARRIS FARMS CAMP C #501-523	DAC	SURFACE WATER	FRESNO	WESTSIDE SJ
HARRIS FARMS SOUTH #101-144	SDAC	SURFACE WATER	FRESNO	WESTSIDE SJ
HOULDING FARMS	SDAC	GROUNDWATER	FRESNO	WESTSIDE SJ
HURON	SDAC	SURFACE WATER	FRESNO	WESTSIDE SJ
PAPPAS & CO (FARM HOUSING)	DAC	SURFACE WATER	FRESNO	WESTSIDE SJ
PAPPAS & COMPANY (FARM HOUSING)	DAC	SURFACE WATER	FRESNO	WESTSIDE SJ
PILIBOS BROTHERS RANCH	SDAC	SURFACE WATER	FRESNO	WESTSIDE SJ
SAN ANDREAS FARMS	SDAC	SURFACE WATER	FRESNO	WESTSIDE SJ
SOMMERVILLE RV PARK	DAC	GROUNDWATER	FRESNO	WESTSIDE SJ
STEVE MARKS CATTLE COMPANY	SDAC	SURFACE WATER	FRESNO	WESTSIDE SJ
SUMNER PECK RANCH	SDAC	SURFACE WATER	FRESNO	WESTSIDE SJ
TERRA LINDA FARMS	SDAC	SURFACE WATER	FRESNO	WESTSIDE SJ
VAQUERO FARMS	DAC	SURFACE WATER	FRESNO	WESTSIDE SJ
LEMOORE MOBILE HOME PARK	DAC	GROUNDWATER	KINGS	Outside of IRWM







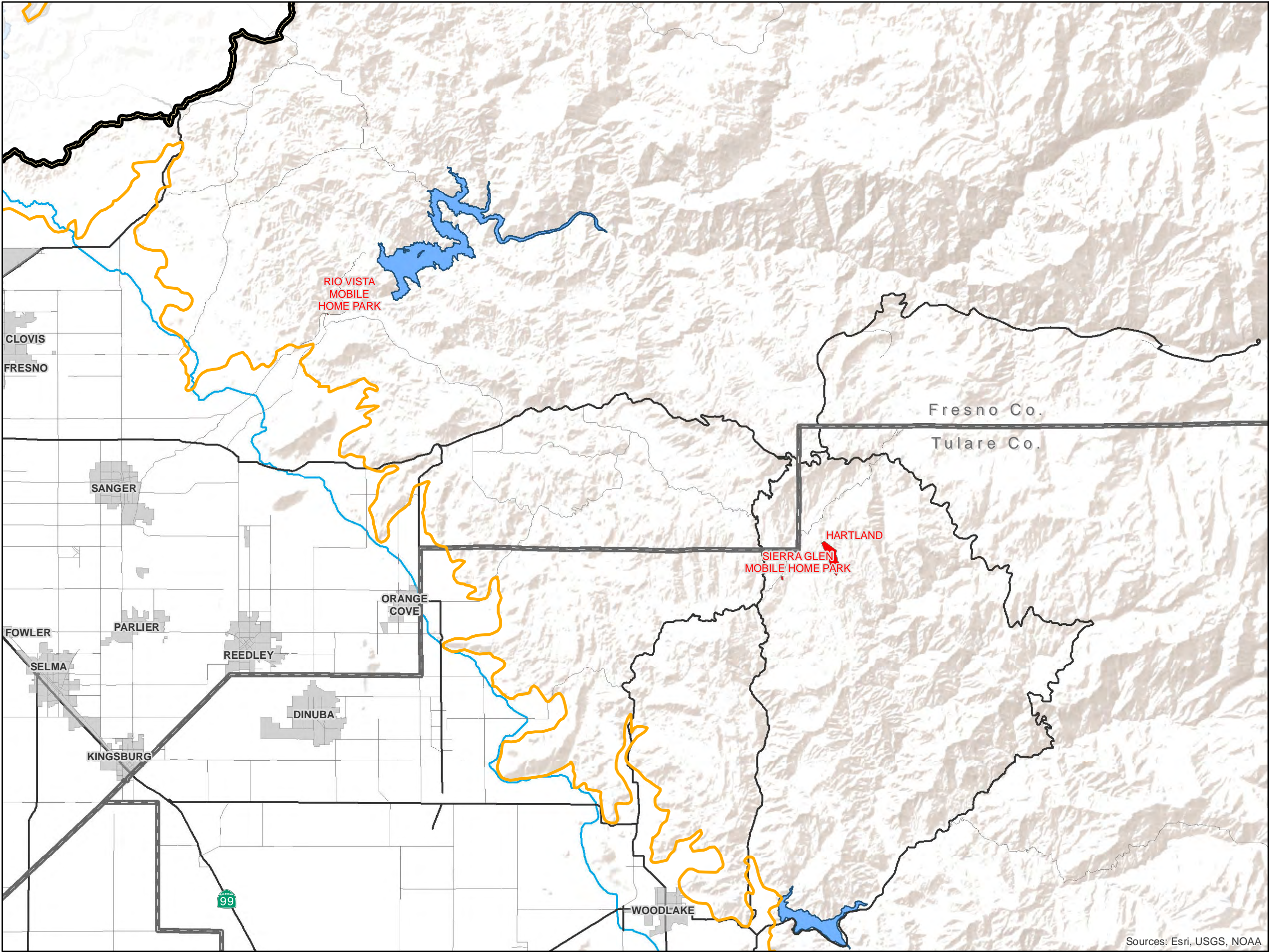



















**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

Southern Sierra IRWMA  
(North)



DAC and SDAC Communities  
with Single Water Source

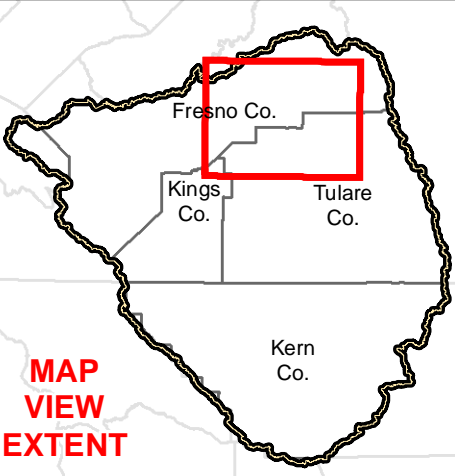
FIGURE 5-5

Legend

-  Prop 1 Funding Area
-  Southern Sierra IRWMA
-  City
-  County
-  Major Road
-  Highway / Interstate
-  Major Canal

**Single Water Source**

-  GROUNDWATER
-  SURFACE WATER



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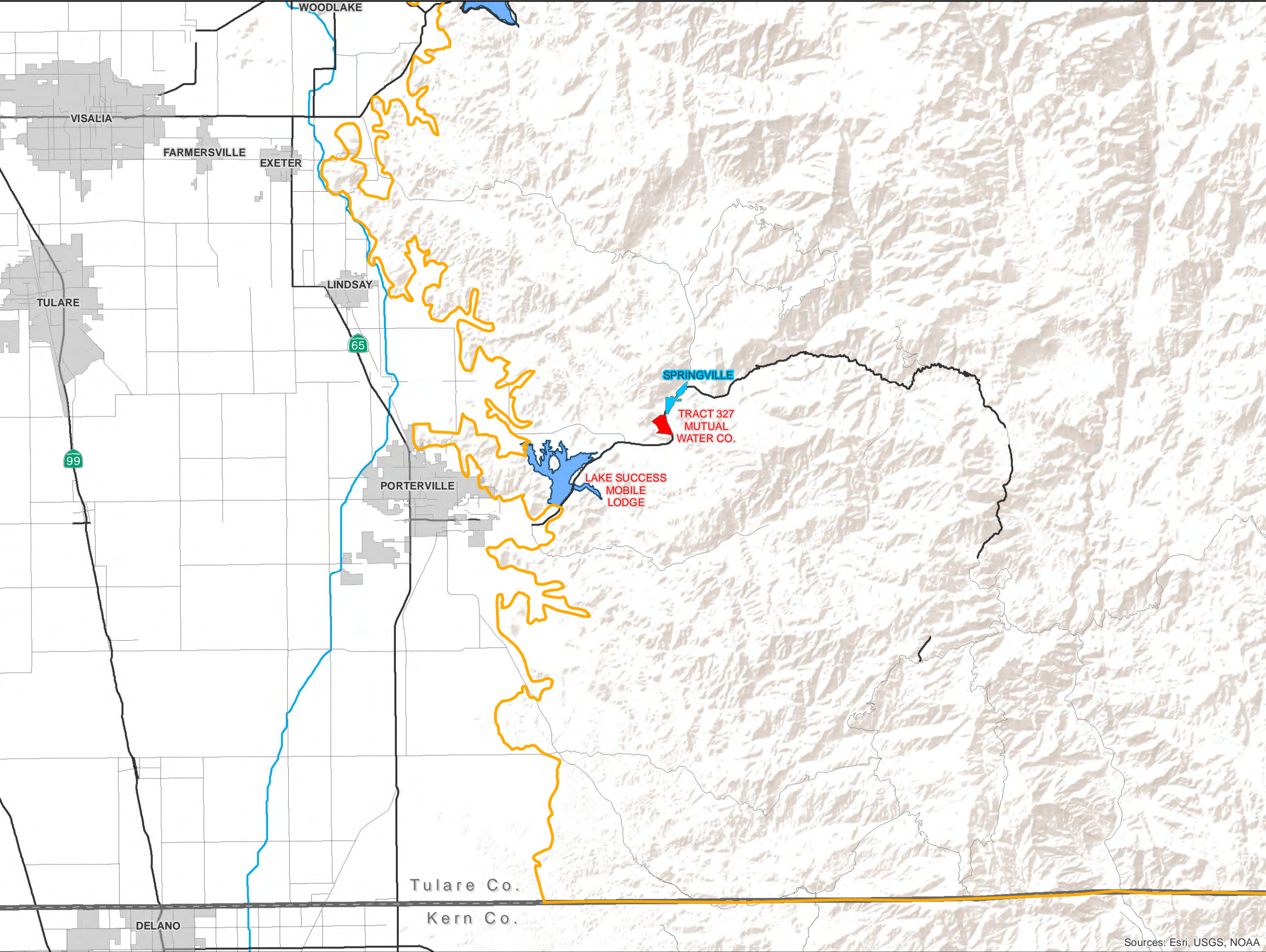
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Sources: Esri, USGS, NOAA





**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

Southern Sierra IRWMA  
(South)

DAC and SDAC Communities  
with Single Water Source

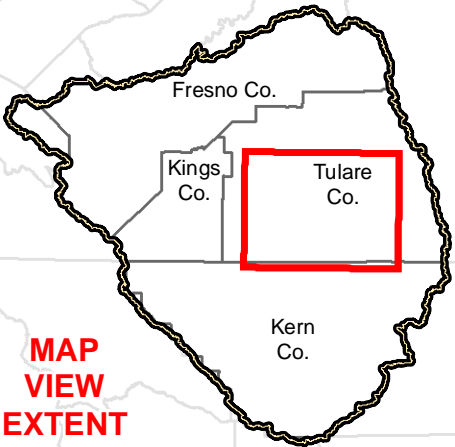
FIGURE 5-6

Legend

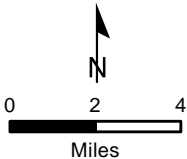
- Prop 1 Funding Area
- Southern Sierra IRWMA
- City
- County
- Major Road
- Highway / Interstate
- Major Canal

Single Water Source

- GROUNDWATER
- SURFACE WATER



EST. 1968  
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Sources: Esri, USGS, NOAA










# Tulare Lake Basin Disadvantaged Community Water Study



Tule River Basin  
IRWMA  
DAC and SDAC Communities  
with Single Water Source

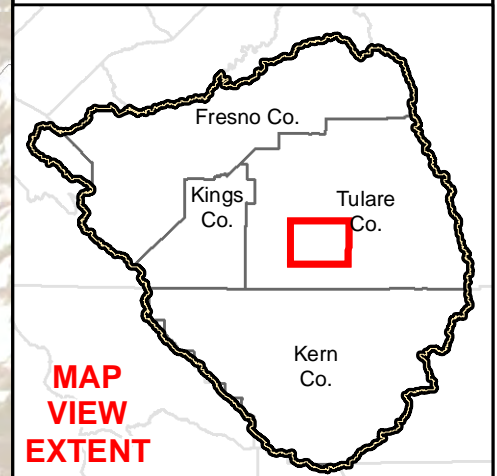
FIGURE 5-7

## Legend

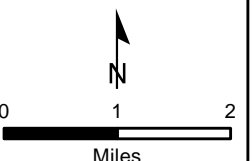
-  Prop 1 Funding Area
-  Tule River Basin IRWMA
-  City
-  County
-  Major Road
-  Highway / Interstate
-  Major Canal

## Single Water Source

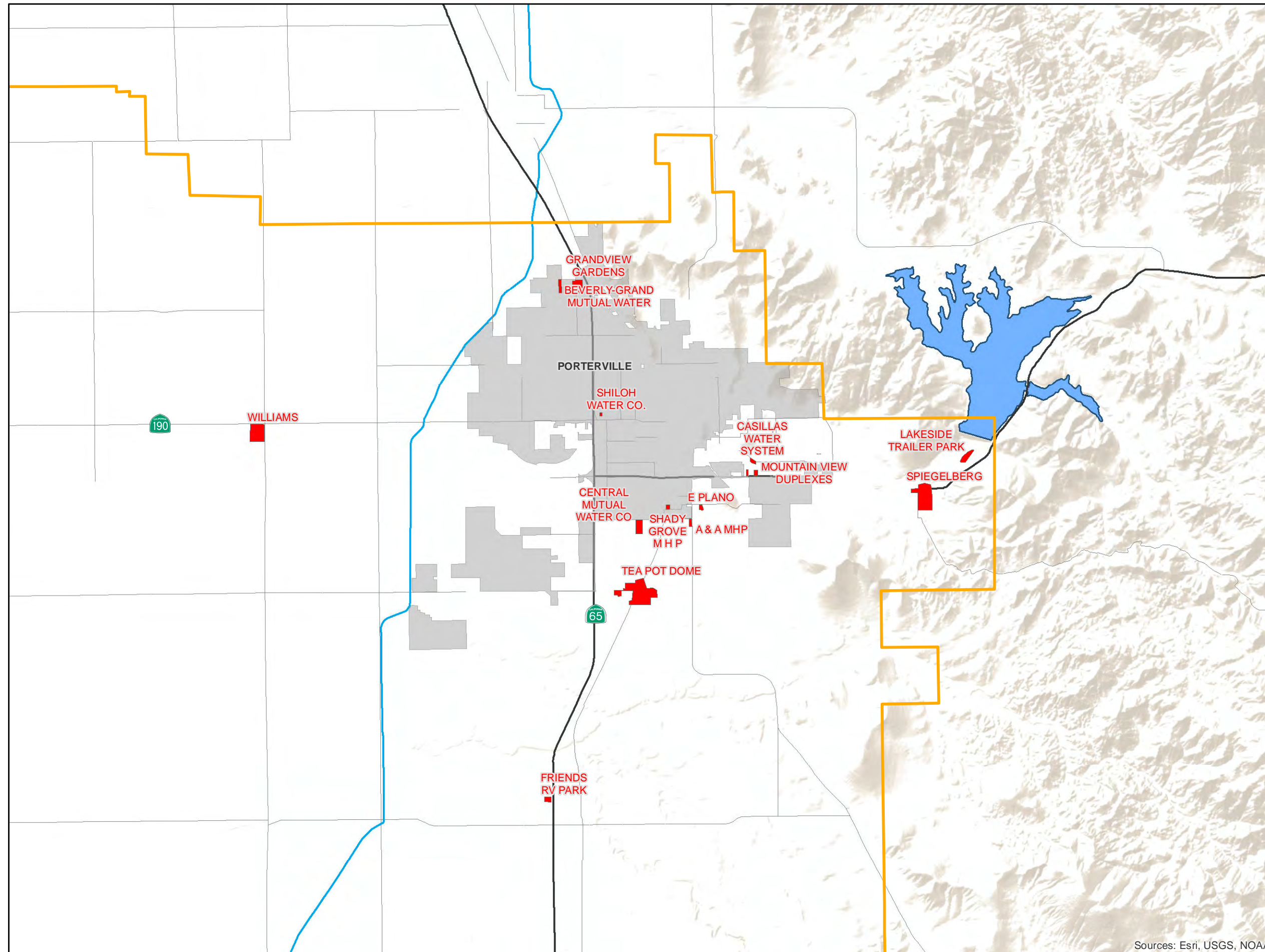
-  GROUNDWATER
-  SURFACE WATER



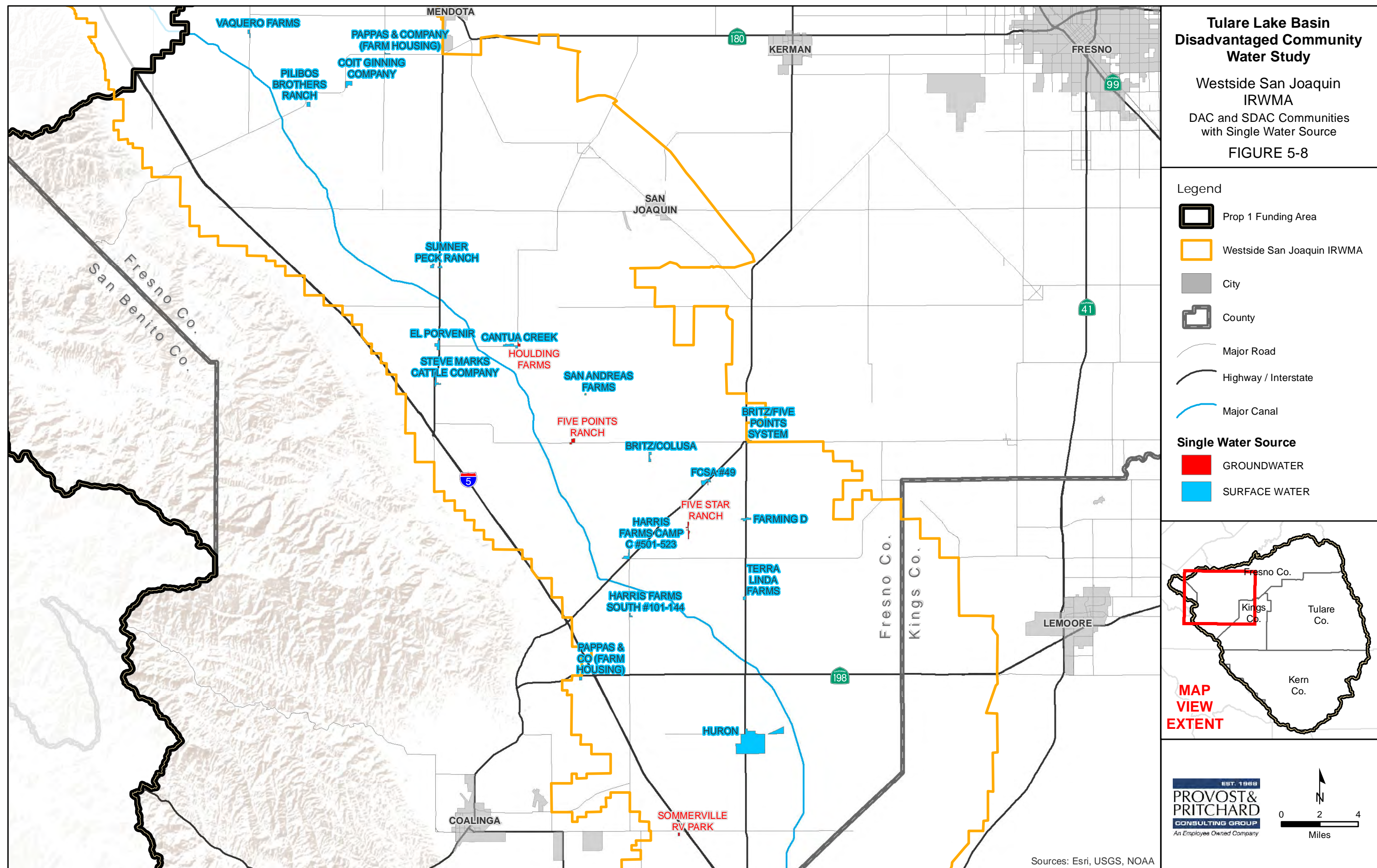
EST. 1988  
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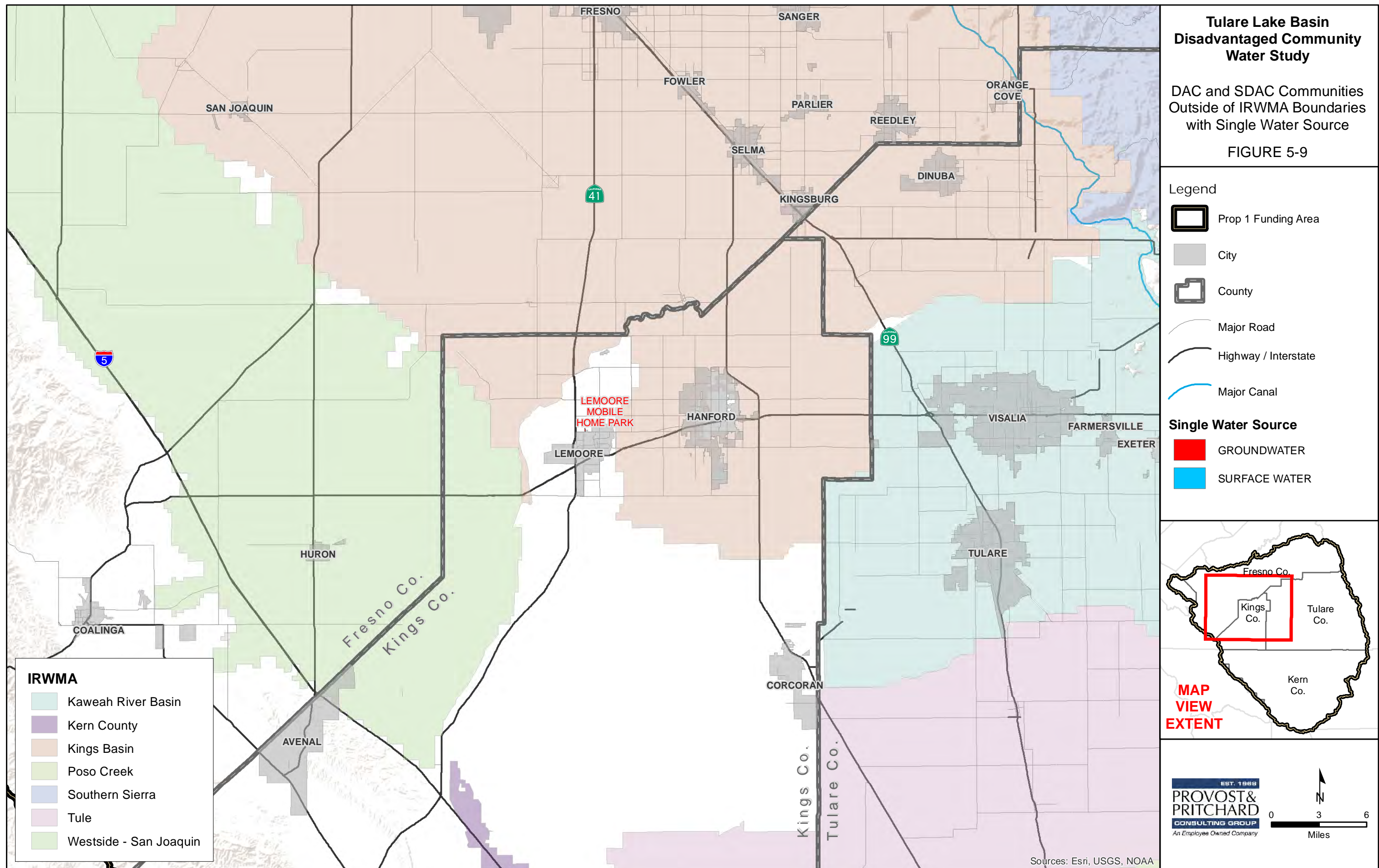
Sources: Esri, USGS, NOAA











## 6 Drinking Water Quality

### 6.1 Water Quality Compliance

For the purposes of this Preliminary Needs Assessment, systems are identified as one of three compliance categories:

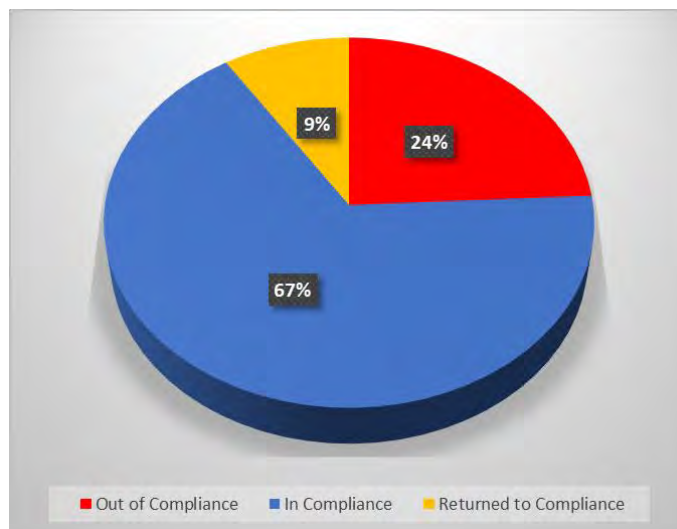
- In Compliance (no current compliance orders)
- Out of Compliance (active compliance order)
- Returned to Compliance (previous compliance order that has been resolved since January 2012)

For those that are Out of Compliance or Returned to Compliance, the contaminant that caused the compliance order is shown on Table 6-1. Compliance issues related to monitoring or reporting issues are not included in this data set. Coliform violations are not used to determine compliance, but if a community is “Out of Compliance” for another contaminant and has a coliform violation, that is noted. The State currently issues citations rather than compliance orders for the coliform MCL. So, communities that have had recent coliform violations are still considered “In Compliance” by the State, and in this report.

There are 273 DACs with water systems within the TKFA. Of the DACs with water systems, 182 (67%) are currently in compliance with water quality standards, 66 (24%) are out of compliance, and 25 (9%) have returned to compliance.

While the majority of systems are identified as being in compliance, they may still have issues that are not reflected by the compliance status. The following are types of issues impacting DACs in the TKFA, which may not be cause for the State to issue a compliance order:

- *Coliform MCL violation*
- *Insufficient water*
- *Distribution system insufficiencies*
- *Vulnerability due to contaminants near the MCL (potential to exceed)*



Also, the MCL for TCP was just implemented one year ago. Many systems have already received compliance orders for TCP violations, and there are systems that may be on the verge of receiving a compliance order. TCP is the subject of ongoing litigation. It is advised that communities consult with legal counsel regarding TCP contamination issues.

The main water quality issues for those systems that are out of compliance include: TCP, arsenic, nitrate, total trihalomethanes (TTHM), and Haloacetic Acids (HAA5). Other compliance orders were for nitrate-nitrite, uranium, fluoride, perchlorate, and 1,2-Dibromo-3-Chloropropane (DBCP).





Table 6-1. Disadvantaged Communities - Compliance Status

COMMUNITY NAME	DAC STATUS	COMPLIANCE STATUS	COMPLIANCE ISSUE	COUNTY	IRWM
EAST TULARE VILLA	DAC	IN COMPLIANCE	N/A	TULARE	KAWEAH
EILERS RANCH	DAC	IN COMPLIANCE	N/A	TULARE	KAWEAH
EL RANCHO - TRACT 191	SDAC	IN COMPLIANCE	N/A	TULARE	KAWEAH
FARMERSVILLE	SDAC	IN COMPLIANCE	N/A	TULARE	KAWEAH
IVANHOE	SDAC	IN COMPLIANCE	N/A	TULARE	KAWEAH
LEMON COVE	DAC	OUT-OF-COMPLIANCE	Nitrate MCL	TULARE	KAWEAH
LINDSAY	SDAC	OUT-OF-COMPLIANCE	TTHM, HAA5 MCL	TULARE	KAWEAH
LINNELL FARM LABOR CENTER	SDAC	IN COMPLIANCE	N/A	TULARE	KAWEAH
MOUNTAIN VIEW M.H.P.	DAC	IN COMPLIANCE	N/A	TULARE	KAWEAH
PATTERSON TRACT	DAC	IN COMPLIANCE	N/A	TULARE	KAWEAH
PLAINVIEW	SDAC	IN COMPLIANCE	N/A	TULARE	KAWEAH
PLAINVIEW MWC CENTRAL WATER	SDAC	OUT-OF-COMPLIANCE	Nitrate, Nitrate-Nitrite MCL	TULARE	KAWEAH
SOULTS TRACT	SDAC	RETURNED TO COMPLIANCE	Nitrate MCL	TULARE	KAWEAH
STRATHMORE	SDAC	IN COMPLIANCE	N/A	TULARE	KAWEAH
STRATHMORE EAST	SDAC	IN COMPLIANCE	N/A	TULARE	KAWEAH
SUNRISE MUTUAL WATER CO.	DAC	IN COMPLIANCE	N/A	TULARE	KAWEAH
TONYVILLE	DAC	OUT-OF-COMPLIANCE	Nitrate, Nitrate-Nitrite, Perchlorate, TTHM, HAA5	TULARE	KAWEAH
TOOLEVILLE	SDAC	IN COMPLIANCE	N/A	TULARE	KAWEAH
TRACT 92	SDAC	IN COMPLIANCE	N/A	TULARE	KAWEAH
TULARE	DAC	OUT-OF-COMPLIANCE	1,2,3-TCP MCL	TULARE	KAWEAH

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COMMUNITY NAME	DAC STATUS	COMPLIANCE STATUS	COMPLIANCE ISSUE	COUNTY	IRWM
TULARE COUNTY WC TRACT NO. 381	DAC	IN COMPLIANCE	N/A	TULARE	KAWEAH
TULARE COUNTY WC TRACTS 344 & 380	DAC	IN COMPLIANCE	N/A	TULARE	KAWEAH
WEST GOSHEN	SDAC	IN COMPLIANCE	N/A	TULARE	KAWEAH
WOODLAKE	SDAC	IN COMPLIANCE	N/A	TULARE	KAWEAH
ALTA SIERRA	SDAC	IN COMPLIANCE	N/A	KERN	KERN
ARDEN	SDAC	IN COMPLIANCE	N/A	KERN	KERN
ARVIN	SDAC	OUT-OF-COMPLIANCE	Arsenic MCL	KERN	KERN
ATHAL	SDAC	OUT-OF-COMPLIANCE	1,2,3-TCP MCL	KERN	KERN
BELLA VISTA	SDAC	IN COMPLIANCE	N/A	KERN	KERN
BLACKWELLS CORNER	SDAC	IN COMPLIANCE	N/A	KERN	KERN
BONANZA FARMS	SDAC	IN COMPLIANCE	N/A	KERN	KERN
BURLANDO HEIGHTS	DAC	IN COMPLIANCE	N/A	KERN	KERN
BUTTONWILLOW	SDAC	IN COMPLIANCE	N/A	KERN	KERN
CANYON MEADOWS	SDAC	IN COMPLIANCE	N/A	KERN	KERN
CASA LOMA WATER CO, INC.	SDAC	IN COMPLIANCE	N/A	KERN	KERN
CLARK STREET COMMUNITY WELL	SDAC	IN COMPLIANCE	N/A	KERN	KERN
COUNTRY ESTATES	DAC	IN COMPLIANCE	N/A	KERN	KERN
COUNTRYWOOD	SDAC	IN COMPLIANCE	N/A	KERN	KERN
CYPRESS CANYON	SDAC	IN COMPLIANCE	N/A	KERN	KERN
DE RANCHO Y MOBILE VILLA WATER	DAC	IN COMPLIANCE	N/A	KERN	KERN
EAST NILES	SDAC	OUT-OF-COMPLIANCE	1,2,3-TCP MCL	KERN	KERN
EAST WILSON ROAD	DAC	OUT-OF-COMPLIANCE	1,2,3-TCP, Nitrate-Nitrite, E. Coli, Nitrate MCL	KERN	KERN
EL ADOBE POA, INC	SDAC	OUT-OF-COMPLIANCE	Arsenic MCL	KERN	KERN
ERSKINE CREEK WC	SDAC	IN COMPLIANCE	N/A	KERN	KERN
FORD CITY	SDAC	IN COMPLIANCE	N/A	KERN	KERN
FOURTH STREET	SDAC	RETURNED TO COMPLIANCE	Arsenic MCL	KERN	KERN
FRAZIER PARK	SDAC	IN COMPLIANCE	N/A	KERN	KERN
FRONTIER TRAIL HOMEOWNERS ASSOC	DAC	IN COMPLIANCE	N/A	KERN	KERN
FULLER ACRES	SDAC	OUT-OF-COMPLIANCE	1,2,3-TCP MCL	KERN	KERN
GLENNVILLE	SDAC	IN COMPLIANCE	N/A	KERN	KERN
GREENFIELD COUNTY WD	DAC	OUT-OF-COMPLIANCE	Arsenic MCL	KERN	KERN
HILLVIEW ACRES	SDAC	IN COMPLIANCE	N/A	KERN	KERN
HUNGRY GULCH	SDAC	OUT-OF-COMPLIANCE	Arsenic, Total Coliform MCL	KERN	KERN
JUNIPER HILLS	SDAC	IN COMPLIANCE	N/A	KERN	KERN



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COMMUNITY NAME	DAC STATUS	COMPLIANCE STATUS	COMPLIANCE ISSUE	COUNTY	IRWM
KERN VALLEY MUTUAL WATER	SDAC	IN COMPLIANCE	N/A	KERN	KERN
KERNALE	SDAC	RETURNED TO COMPLIANCE	Arsenic, Nitrate MCL	KERN	KERN
KERNVILLE	SDAC	OUT-OF-COMPLIANCE	HAA5 MCL	KERN	KERN
KRISTA MUTUAL WATER COMPANY	SDAC	OUT-OF-COMPLIANCE	Fluoride MCL	KERN	KERN
LAKE ISABELLA	SDAC	IN COMPLIANCE	N/A	KERN	KERN
LAKE OF THE WOODS	DAC	OUT-OF-COMPLIANCE	Nitrate, Nitrate-Nitrite, Fluoride	KERN	KERN
LAKELAND	SDAC	IN COMPLIANCE	N/A	KERN	KERN
LAKEVIEW RANCHOS	SDAC	OUT-OF-COMPLIANCE	Arsenic, Combined Uranium MCL	KERN	KERN
LAMONT	SDAC	OUT-OF-COMPLIANCE	1,2,3-TCP, Arsenic MCL	KERN	KERN
LEBEC	SDAC	OUT-OF-COMPLIANCE	Combined Uranium, Fluoride	KERN	KERN
LONG CANYON	SDAC	IN COMPLIANCE	N/A	KERN	KERN
LOST HILLS	SDAC	IN COMPLIANCE	N/A	KERN	KERN
LOWER BODFISH	SDAC	IN COMPLIANCE	N/A	KERN	KERN
MARICOPA	SDAC	IN COMPLIANCE	N/A	KERN	KERN
MCKITTRICK	DAC	IN COMPLIANCE	N/A	KERN	KERN
METTLER	SDAC	OUT-OF-COMPLIANCE	1,2,3-TCP, Nitrate-Nitrite, Nitrate	KERN	KERN
MIRASOL COMPANY WATER SYSTEM	SDAC	IN COMPLIANCE	N/A	KERN	KERN
MOUNTAIN MESA	SDAC	IN COMPLIANCE	N/A	KERN	KERN
OAK KNOLLS MUTUAL WATER COMPANY	SDAC	IN COMPLIANCE	N/A	KERN	KERN
OASIS PROPERTY OWNERS ASSOC	DAC	OUT-OF-COMPLIANCE	Arsenic MCL	KERN	KERN
OILDALE	SDAC	IN COMPLIANCE	N/A	KERN	KERN
ONYX	SDAC	IN COMPLIANCE	N/A	KERN	KERN
OPAL FRY AND SON	SDAC	IN COMPLIANCE	N/A	KERN	KERN
PANAMA ROAD PROPERTY OWNERS ASSOCIATION	SDAC	IN COMPLIANCE	N/A	KERN	KERN
PARADISE COVE LODGE	DAC	IN COMPLIANCE	N/A	KERN	KERN
PINEBROOK	SDAC	IN COMPLIANCE	N/A	KERN	KERN
PINON HILL WATER COMPANY	DAC	RETURNED TO COMPLIANCE	Arsenic MCL	KERN	KERN
PINON PINES MWC	DAC	OUT-OF-COMPLIANCE	Fluoride MCL	KERN	KERN
PONDEROSA PINE	SDAC	OUT-OF-COMPLIANCE	HAA5 MCL	KERN	KERN
R.S. MUTUAL WATER COMPANY	SDAC	OUT-OF-COMPLIANCE	Arsenic, Combined Uranium, Nitrate-Nitrite, Nitrate	KERN	KERN

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COMMUNITY NAME	DAC STATUS	COMPLIANCE STATUS	COMPLIANCE ISSUE	COUNTY	IRWM
RAINBIRD VALLEY	SDAC	OUT-OF-COMPLIANCE	Combined Uranium, Nitrate-Nitrite, Nitrate	KERN	KERN
REEDER TRACT	SDAC	IN COMPLIANCE	N/A	KERN	KERN
REXLAND ACRES	SDAC	IN COMPLIANCE	N/A	KERN	KERN
RIVERDALE VILLAGE	SDAC	IN COMPLIANCE	N/A	KERN	KERN
RIVERKERN	SDAC	IN COMPLIANCE	N/A	KERN	KERN
RIVERNOOK MHP	DAC	IN COMPLIANCE	N/A	KERN	KERN
SAN JOAQUIN ESTATES	DAC	OUT-OF-COMPLIANCE	1,2,3-TCP, Nitrate-Nitrite, Nitrate	KERN	KERN
SHADY LANE MOBILE PARK	SDAC	IN COMPLIANCE	N/A	KERN	KERN
SIERRA BELLA	SDAC	IN COMPLIANCE	N/A	KERN	KERN
SIERRA MEADOWS	DAC	IN COMPLIANCE	N/A	KERN	KERN
SOUTH FORK GRAMMAR SCHOOL	SDAC	IN COMPLIANCE	N/A	KERN	KERN
SOUTH FORK MIDDLE SCHOOL	SDAC	IN COMPLIANCE	N/A	KERN	KERN
SOUTH FORK WOMAN S CLUB, INC.	SDAC	IN COMPLIANCE	N/A	KERN	KERN
SOUTH LAKE	SDAC	IN COMPLIANCE	N/A	KERN	KERN
SOUTH TAFT	DAC	IN COMPLIANCE	N/A	KERN	KERN
SPLIT MOUNTAIN	SDAC	IN COMPLIANCE	N/A	KERN	KERN
SQUIRREL MOUNTAIN VALLEY	DAC	IN COMPLIANCE	N/A	KERN	KERN
TAFT	DAC	IN COMPLIANCE	N/A	KERN	KERN
TAFT HEIGHTS	DAC	IN COMPLIANCE	N/A	KERN	KERN
TEHACHAPI	DAC	IN COMPLIANCE	N/A	KERN	KERN
TRADEWINDS	SDAC	IN COMPLIANCE	N/A	KERN	KERN
TUPMAN	SDAC	IN COMPLIANCE	N/A	KERN	KERN
UPPER BODFISH	SDAC	IN COMPLIANCE	N/A	KERN	KERN
V.R. S TRAILER PARK	SDAC	IN COMPLIANCE	N/A	KERN	KERN
VALLEY ACRES	DAC	IN COMPLIANCE	N/A	KERN	KERN
VALLEY ESTATES	SDAC	IN COMPLIANCE	N/A	KERN	KERN
VALLEY VIEW ESTATES	SDAC	RETURNED TO COMPLIANCE	Nitrate MCL	KERN	KERN
VICTORY MWC	DAC	OUT-OF-COMPLIANCE	1,2,3-TCP MCL	KERN	KERN
WEST MARICOPA	DAC	IN COMPLIANCE	N/A	KERN	KERN
WEST TEHACHAPI	DAC	IN COMPLIANCE	N/A	KERN	KERN
WILSON ROAD	DAC	OUT-OF-COMPLIANCE	1,2,3-TCP, Nitrate-Nitrite, Nitrate	KERN	KERN
WINI MUTUAL WATER COMPANY	DAC	IN COMPLIANCE	N/A	KERN	KERN
ALICE MANOR	DAC	OUT-OF-COMPLIANCE	1,2,3-TCP MCL	FRESNO	KINGS BASIN
ARMONA	DAC	RETURNED TO COMPLIANCE	TTHM, Color MCL	KINGS	KINGS BASIN
BAR 20 PARTNER	SDAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN

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COMMUNITY NAME	DAC STATUS	COMPLIANCE STATUS	COMPLIANCE ISSUE	COUNTY	IRWM
BERAN WAY	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
BIOLA	SDAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
CAMDEN TRAILER PARK	DAC	RETURNED TO COMPLIANCE	Arsenic MCL	FRESNO	KINGS BASIN
CARUTHERS	DAC	OUT-OF-COMPLIANCE	Arsenic MCL	FRESNO	KINGS BASIN
COUNTRY VIEW ALZHEIMER CENTER	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
CUTLER	SDAC	RETURNED TO COMPLIANCE	1,2-Dibromo-3-Chloropropane, Nitrate MCL	TULARE	KINGS BASIN
DEL REY	SDAC	OUT-OF-COMPLIANCE	1,2,3-TCP MCL	FRESNO	KINGS BASIN
DELFT COLONY	DAC	IN COMPLIANCE	N/A	TULARE	KINGS BASIN
DINUBA	SDAC	IN COMPLIANCE	N/A	TULARE	KINGS BASIN
DOUBLE L MOBILE RANCH PARK	SDAC	OUT-OF-COMPLIANCE	1,2,3-TCP, Combined Uranium	FRESNO	KINGS BASIN
EAST OROSI	SDAC	OUT-OF-COMPLIANCE	Nitrate MCL	TULARE	KINGS BASIN
EASTON ESTATES WATER COMPANY	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
EL MONTE VILLAGE M.H.P.	DAC	RETURNED TO COMPLIANCE	Nitrate MCL	TULARE	KINGS BASIN
ELM COURT	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
FOWLER	DAC	OUT-OF-COMPLIANCE	1,2,3-TCP MCL	FRESNO	KINGS BASIN
FRED RAU DAIRY	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
FRESNO	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
GARDEN APARTMENTS	SDAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
GEORGE COX WATER SYSTEM	DAC	OUT-OF-COMPLIANCE	1,2-Dibromo-3-Chloropropane	FRESNO	KINGS BASIN
GLEANINGS FOR THE HUNGRY	SDAC	OUT-OF-COMPLIANCE	Nitrate, Perchlorate MCL	TULARE	KINGS BASIN
GREEN ACRES MOBILE HOME ESTATE	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
HARDWICK	SDAC	RETURNED TO COMPLIANCE	Combined Uranium MCL	KINGS	KINGS BASIN
HOME GARDEN	SDAC	IN COMPLIANCE	N/A	KINGS	KINGS BASIN
KAMM RANCH COMPANY	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
KERMAN	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
KINGS PARK APARTMENTS	SDAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN

COMMUNITY NAME	DAC STATUS	COMPLIANCE STATUS	COMPLIANCE ISSUE	COUNTY	IRWM
LANARE	DAC	OUT-OF-COMPLIANCE	Arsenic MCL	FRESNO	KINGS BASIN
LATON	SDAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
LINDA VISTA FARMS	SDAC	RETURNED TO COMPLIANCE	Combined Uranium MCL	FRESNO	KINGS BASIN
LONDON	SDAC	OUT-OF-COMPLIANCE	1,2,3-TCP MCL	TULARE	KINGS BASIN
LOPEZ LABOR CAMP	SDAC	IN COMPLIANCE	N/A	TULARE	KINGS BASIN
MADDOX DAIRY	SDAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
MALAGA	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
MONSON	DAC	IN COMPLIANCE	N/A	TULARE	KINGS BASIN
ORANGE COVE	SDAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
OROSI	SDAC	IN COMPLIANCE	N/A	TULARE	KINGS BASIN
PARLIER	SDAC	OUT-OF-COMPLIANCE	1,2,3-TCP MCL	FRESNO	KINGS BASIN
PINEDALE	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
RAISIN CITY	SDAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
REEDLEY	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
RIVERBEND MOBILE HOME & RV PARK	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
RIVERDALE	DAC	RETURNED TO COMPLIANCE	Arsenic MCL	FRESNO	KINGS BASIN
RUBYS VALLEY CARE HOME	SDAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
SAN JOAQUIN	SDAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
SANGER	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
SELMA	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
SEVILLE	SDAC	IN COMPLIANCE	N/A	TULARE	KINGS BASIN
SHADY LAKES MOBILE HOME PARK	SDAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
SIERRA MOBILE HOME PARK	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
SULTANA	SDAC	IN COMPLIANCE	N/A	TULARE	KINGS BASIN
SUNNYSIDE CONVALESCENT HOSP	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
SUNSET WEST MOBILE HOME PARK	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN



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COMMUNITY NAME	DAC STATUS	COMPLIANCE STATUS	COMPLIANCE ISSUE	COUNTY	IRWM
THREE PALMS MOBILEHOME PARK	DAC	OUT-OF-COMPLIANCE	1,2,3-TCP MCL	FRESNO	KINGS BASIN
TRACT 1199 WATER SYSTEM	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
TRANQUILLITY	SDAC	RETURNED TO COMPLIANCE	Arsenic, Coliform MCL	FRESNO	KINGS BASIN
TRAVER	SDAC	IN COMPLIANCE	N/A	TULARE	KINGS BASIN
VIKING TAILER PARK	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
WATERTEK-METROPOLITAN	SDAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
WEST MCKINLEY WATER SYSTEM	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
WEST PARK	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
WESTBROOK MOBILE HOME PARK	SDAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
WOODWARD BLUFFS MHP	DAC	IN COMPLIANCE	N/A	FRESNO	KINGS BASIN
YETTEM	DAC	IN COMPLIANCE	N/A	TULARE	KINGS BASIN
ZONNEVELD DAIRY	SDAC	RETURNED TO COMPLIANCE	Arsenic, Nitrate MCL	FRESNO	KINGS BASIN
AGBAYANI VILLAGE	DAC	IN COMPLIANCE	N/A	KERN	POSO CREEK
DELANO	SDAC	OUT-OF-COMPLIANCE	1,2,3-TCP MCL	KERN	POSO CREEK
EARLIMART	SDAC	OUT-OF-COMPLIANCE	1,2,3-TCP MCL	TULARE	POSO CREEK
MCFARLAND	SDAC	OUT-OF-COMPLIANCE	1,2,3-TCP MCL	KERN	POSO CREEK
POND	DAC	RETURNED TO COMPLIANCE	Arsenic MCL	KERN	POSO CREEK
POND SCHOOL	SDAC	IN COMPLIANCE	N/A	KERN	POSO CREEK
POPLAR AVE COMMUNITY	DAC	IN COMPLIANCE	N/A	KERN	POSO CREEK
RICHGROVE	SDAC	IN COMPLIANCE	N/A	TULARE	POSO CREEK
RODRIQUEZ LABOR CAMP	DAC	OUT-OF-COMPLIANCE	1,2,3-TCP MCL, Nitrate MCL	TULARE	POSO CREEK
SEMITROPIC SCHOOL	SDAC	IN COMPLIANCE	N/A	KERN	POSO CREEK
SHAFTER	DAC	OUT-OF-COMPLIANCE	1,2,3-TCP MCL	KERN	POSO CREEK
WASCO	DAC	OUT-OF-COMPLIANCE	1,2,3-TCP MCL	KERN	POSO CREEK
CALIFORNIA HOT SPRINGS	SDAC	IN COMPLIANCE	N/A	TULARE	SOUTHERN SIERRA
DOYAL'S MOBILE HOME PARK	DAC	RETURNED TO COMPLIANCE	Surface Water Treatment Rule	FRESNO	SOUTHERN SIERRA

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COMMUNITY NAME	DAC STATUS	COMPLIANCE STATUS	COMPLIANCE ISSUE	COUNTY	IRWM
HARTLAND	SDAC	IN COMPLIANCE	N/A	TULARE	SOUTHERN SIERRA
LAKE SUCCESS MOBILE LODGE	SDAC	RETURNED TO COMPLIANCE	Nitrate MCL	TULARE	SOUTHERN SIERRA
PINE FLAT	SDAC	IN COMPLIANCE	N/A	TULARE	SOUTHERN SIERRA
RIO VISTA MOBILE HOME PARK	DAC	IN COMPLIANCE	N/A	FRESNO	SOUTHERN SIERRA
SIERRA GLEN MOBILE HOME PARK	DAC	IN COMPLIANCE	N/A	TULARE	SOUTHERN SIERRA
SPRINGVILLE	SDAC	IN COMPLIANCE	N/A	TULARE	SOUTHERN SIERRA
TRACT 327 MUTUAL WATER CO.	SDAC	IN COMPLIANCE	N/A	TULARE	SOUTHERN SIERRA
A & A MHP	DAC	IN COMPLIANCE	N/A	TULARE	TULE
AKIN WATER CO.	DAC	IN COMPLIANCE	N/A	TULARE	TULE
ALLENSWORTH	SDAC	RETURNED TO COMPLIANCE	Arsenic, Coliform MCL	TULARE	TULE
ALPAUGH	DAC	OUT-OF-COMPLIANCE	Arsenic MCL	TULARE	TULE
BEVERLY-GRAND MUTUAL WATER	DAC	OUT-OF-COMPLIANCE	Nitrate MCL	TULARE	TULE
CASILLAS WATER SYSTEM	SDAC	IN COMPLIANCE	N/A	TULARE	TULE
CENTRAL MUTUAL WATER CO	DAC	IN COMPLIANCE	N/A	TULARE	TULE
DUCOR	SDAC	IN COMPLIANCE	N/A	TULARE	TULE
E PLANO	DAC	IN COMPLIANCE	N/A	TULARE	TULE
EAST PORTERVILLE	SDAC	IN COMPLIANCE	N/A	TULARE	TULE
FRIENDS RV PARK	DAC	IN COMPLIANCE	N/A	TULARE	TULE
GRANDVIEW GARDENS	DAC	OUT-OF-COMPLIANCE	Nitrate-Nitrite, Nitrate MCL	TULARE	TULE
JONES CORNER	DAC	IN COMPLIANCE	N/A	TULARE	TULE
LAKESIDE TRAILER PARK	SDAC	IN COMPLIANCE	N/A	TULARE	TULE
MOUNTAIN VIEW DUPLEXES	SDAC	IN COMPLIANCE	N/A	TULARE	TULE
PIXLEY	SDAC	OUT-OF-COMPLIANCE	1,2,3-TCP, Arsenic MCL	TULARE	TULE
POPLAR	SDAC	OUT-OF-COMPLIANCE	Nitrate MCL	TULARE	TULE
PORTERVILLE	DAC	IN COMPLIANCE	N/A	TULARE	TULE
SHADY GROVE M H P	DAC	IN COMPLIANCE	N/A	TULARE	TULE
SHILOH WATER CO.	DAC	IN COMPLIANCE	N/A	TULARE	TULE
SPIEGELBERG	DAC	IN COMPLIANCE	N/A	TULARE	TULE
TEA POT DOME	DAC	OUT-OF-COMPLIANCE	Nitrate MCL	TULARE	TULE
TERRA BELLA	SDAC	IN COMPLIANCE	N/A	TULARE	TULE
TEVISTON	SDAC	OUT-OF-COMPLIANCE	1,2,3-TCP, Coliform MCL	TULARE	TULE
TIPTON	SDAC	IN COMPLIANCE	N/A	TULARE	TULE

Section Six: Drinking Water Quality  
Preliminary Needs Assessment

COMMUNITY NAME	DAC STATUS	COMPLIANCE STATUS	COMPLIANCE ISSUE	COUNTY	IRWM
TIPTON BURNETT ROAD	DAC	IN COMPLIANCE	N/A	TULARE	TULE
TRACT 288	DAC	IN COMPLIANCE	N/A	TULARE	TULE
WILLIAMS	SDAC	IN COMPLIANCE	N/A	TULARE	TULE
WOODVILLE	SDAC	IN COMPLIANCE	N/A	TULARE	TULE
WOODVILLE FARM LABOR CENTER	SDAC	OUT-OF-COMPLIANCE	1,2,3-TCP MCL	TULARE	TULE
BRITZ/COLUSA	SDAC	RETURNED TO COMPLIANCE	TTHM MCL	FRESNO	WESTSIDE SJ
BRITZ/FIVE POINTS SYSTEM	SDAC	RETURNED TO COMPLIANCE	TTHM MCL	FRESNO	WESTSIDE SJ
CANTUA CREEK	SDAC	OUT-OF-COMPLIANCE	TTHM, HAA5 MCL	FRESNO	WESTSIDE SJ
CINCO FARMS	SDAC	IN COMPLIANCE	N/A	FRESNO	WESTSIDE SJ
COIT GINNING COMPANY	SDAC	IN COMPLIANCE	N/A	FRESNO	WESTSIDE SJ
DWS PARTNERS	DAC	IN COMPLIANCE	N/A	FRESNO	WESTSIDE SJ
EL PORVENIR	SDAC	OUT-OF-COMPLIANCE	TTHM, HAA5 MCL	FRESNO	WESTSIDE SJ
FARMING D	SDAC	RETURNED TO COMPLIANCE	TTHM MCL	FRESNO	WESTSIDE SJ
FCSA #49	DAC	OUT-OF-COMPLIANCE	TTHM, HAA5 MCL	FRESNO	WESTSIDE SJ
FELGER FARMS	SDAC	IN COMPLIANCE	N/A	FRESNO	WESTSIDE SJ
FIVE POINTS RANCH	SDAC	RETURNED TO COMPLIANCE	Nitrate MCL	FRESNO	WESTSIDE SJ
FIVE STAR RANCH	SDAC	IN COMPLIANCE	N/A	FRESNO	WESTSIDE SJ
HARNISH FIVE POINTS INC	DAC	IN COMPLIANCE	N/A	FRESNO	WESTSIDE SJ
HARRIS FARMS CAMP C #501-523	DAC	OUT-OF-COMPLIANCE	TTHM, HAA5 MCL	FRESNO	WESTSIDE SJ
HARRIS FARMS SOUTH #101-144	SDAC	OUT-OF-COMPLIANCE	TTHM, HAA5 MCL	FRESNO	WESTSIDE SJ
HOULDING FARMS	SDAC	OUT-OF-COMPLIANCE	Arsenic MCL	FRESNO	WESTSIDE SJ
HURON	SDAC	OUT-OF-COMPLIANCE	TTHM, HAA5, Coliform MCL	FRESNO	WESTSIDE SJ
LA JOLLA FARMS	DAC	IN COMPLIANCE	N/A	FRESNO	WESTSIDE SJ
MURRIETA/WASHOE	SDAC	IN COMPLIANCE	N/A	FRESNO	WESTSIDE SJ
PAPPAS & CO (FARM HOUSING)	DAC	OUT-OF-COMPLIANCE	TTHM, HAA5 MCL	FRESNO	WESTSIDE SJ
PAPPAS & COMPANY (FARM HOUSING)	DAC	IN COMPLIANCE	N/A	FRESNO	WESTSIDE SJ
PILIBOS BROTHERS RANCH	SDAC	IN COMPLIANCE	N/A	FRESNO	WESTSIDE SJ
SAN ANDREAS FARMS	SDAC	OUT-OF-COMPLIANCE	TTHM, HAA5 MCL	FRESNO	WESTSIDE SJ

COMMUNITY NAME	DAC STATUS	COMPLIANCE STATUS	COMPLIANCE ISSUE	COUNTY	IRWM
SHAMROCK FARMING	DAC	IN COMPLIANCE	N/A	KINGS	WESTSIDE SJ
SOMMERVILLE RV PARK	DAC	IN COMPLIANCE	N/A	FRESNO	WESTSIDE SJ
STEVE MARKS CATTLE COMPANY	SDAC	RETURNED TO COMPLIANCE	TTHM MCL	FRESNO	WESTSIDE SJ
SUMNER PECK RANCH	SDAC	RETURNED TO COMPLIANCE	TTHM MCL	FRESNO	WESTSIDE SJ
TERRA LINDA FARMS	SDAC	OUT-OF-COMPLIANCE	TTHM, HAA5 MCL	FRESNO	WESTSIDE SJ
VAQUERO FARMS	DAC	IN COMPLIANCE	N/A	FRESNO	WESTSIDE SJ
WESTRIDGE	SDAC	IN COMPLIANCE	N/A	FRESNO	WESTSIDE SJ
AVENAL	SDAC	RETURNED TO COMPLIANCE	TTHM MCL	KINGS	Outside of IRWM
CORCORAN	SDAC	IN COMPLIANCE	N/A	KINGS	Outside of IRWM
EXETER	DAC	IN COMPLIANCE	N/A	TULARE	Outside of IRWM
HANFORD	SDAC	IN COMPLIANCE	N/A	KINGS	Outside of IRWM
KETTLEMAN CITY	DAC	OUT-OF-COMPLIANCE	Arsenic MCL	KINGS	Outside of IRWM
LEMOORE	DAC	OUT-OF-COMPLIANCE	TTHM, HAA5 MCL	KINGS	Outside of IRWM
LEMOORE MOBILE HOME PARK	DAC	IN COMPLIANCE	N/A	KINGS	Outside of IRWM
MENDOTA	SDAC	IN COMPLIANCE	N/A	FRESNO	Outside of IRWM
STRATFORD	SDAC	IN COMPLIANCE	N/A	KINGS	Outside of IRWM

## 6.2 Water Quality Exceedance

As mentioned in Section 6.1, some systems may currently be in compliance, but may be vulnerable to a water quality issue. While an exceedance of an MCL does not necessarily mean a violation of water quality standards or that a system is out of compliance, it can indicate that there is potential for the system to be in violation of that standard in the future. Table 6-2 shows DACs that have had an exceedance of a primary MCL, and indicates the number of exceedances reported between July 2015 through December 2018. Only the MCLs that are most prevalent in the TKFA are shown.

Additional water quality data has been collected and incorporated in the web portal but is not summarized in this report due to the volume of data for each community. For additional data, refer to the web portal (once it is publicly available) or the State Water Resources Control Board data portals.



Table 6-2. Water Quality Exceedance

COMMUNITY NAME	DAC STATUS	IRWM	1,2,3-TCP	ARSENIC	DBCP	EDB	FLUORIDE	GROSS ALPHA	HAA5	NITRATE	NITRATE + NITRITE	PERCHLORATE	TTHM	URANIUM
EAST TULARE VILLA	DAC	KAWEAH	4							4	1			
IVANHOE	SDAC	KAWEAH	35							34	3	1		
LEMON COVE	DAC	KAWEAH								10	1			
LINDSAY	SDAC	KAWEAH			4				33				33	
MOUNTAIN VIEW M.H.P.	DAC	KAWEAH									2			
PLAINVIEW	SDAC	KAWEAH								2				
PLAINVIEW MWC CENTRAL WATER	SDAC	KAWEAH								1				
SOULTS TRACT	SDAC	KAWEAH								9	1			
STRATHMORE	SDAC	KAWEAH							8	12	1		10	
STRATHMORE EAST	SDAC	KAWEAH							2				5	
TONYVILLE	DAC	KAWEAH		6					7	28	5	18	7	
TULARE	DAC	KAWEAH	161	24						10				
ARVIN	SDAC	KERN	49	277					1	5				
ATHAL	SDAC	KERN	7											
BELLA VISTA	SDAC	KERN											1	
BUTTONWILLOW	SDAC	KERN						3						4
CANYON MEADOWS	SDAC	KERN								1				
EAST NILES	SDAC	KERN	6	137					2	13				
EAST WILSON ROAD	DAC	KERN	5							14				
EL ADOBE POA, INC	SDAC	KERN		15										
ERSKINE CREEK WC	SDAC	KERN								1				
FORD CITY	SDAC	KERN		35							10			
FOURTH STREET	SDAC	KERN		10						3				
FRAZIER PARK	SDAC	KERN					1	13						3
FULLER ACRES	SDAC	KERN	10	6										
GREENFIELD COUNTY WD	DAC	KERN		20										
HUNGRY GULCH	SDAC	KERN		41										
KERNVILLE	SDAC	KERN		7			8		11				5	
KRISTA MUTUAL WATER COMPANY	SDAC	KERN					5							
LAKE OF THE WOODS	DAC	KERN						1		9				
LAKELAND	SDAC	KERN		24			50	26		13				5
LAKEVIEW RANCHOS	SDAC	KERN		19				3						1
LAMONT	SDAC	KERN	74	21										
LEBEC	SDAC	KERN					12	19						14
LONG CANYON	SDAC	KERN	2					1						7
LOST HILLS	SDAC	KERN		64									1	
LOWER BODFISH	SDAC	KERN		23										

COMMUNITY NAME	DAC STATUS	IRWM	1,2,3-TCP	ARSENIC	DBCP	EDB	FLUORIDE	GROSS ALPHA	HAA5	NITRATE	NITRATE + NITRITE	PERCHLORATE	TTHM	URANIUM
MARICOPA	SDAC	KERN		35							10			
MCKITTICK	DAC	KERN		35							10			
METTLER	SDAC	KERN	11							5				
MOUNTAIN MESA	SDAC	KERN		18				1		5				
OASIS PROPERTY OWNERS ASSOCIATION	DAC	KERN		8										
OILDALE	SDAC	KERN	3						15				4	
PINON HILL WATER COMPANY	DAC	KERN		28										
PINON PINES MWC	DAC	KERN		7			13	1						
PONDEROSA PINE	SDAC	KERN		7			8		11				5	
R.S. MUTUAL WATER COMPANY	SDAC	KERN		9				2		7				13
RAINBIRD VALLEY	SDAC	KERN						2		14				24
REEDER TRACT	SDAC	KERN								1				
SAN JOAQUIN ESTATES	DAC	KERN	5							13				
SOUTH FORK MIDDLE SCHOOL	SDAC	KERN						5						
SOUTH TAFT	DAC	KERN		35							10			
SPLIT MOUNTAIN	SDAC	KERN							1					
SQUIRREL MOUNTAIN VALLEY	DAC	KERN												
TAFT	DAC	KERN		35							10			
TAFT HEIGHTS	DAC	KERN		35							10			
TEHACHAPI	DAC	KERN								4				
TRADEWINDS	SDAC	KERN						3						9
TUPMAN	SDAC	KERN		35							10			
UPPER BODFISH	SDAC	KERN		67			9							8
VALLEY ACRES	DAC	KERN		35							10			
VICTORY MWC	DAC	KERN	6											
WEST MARICOPA	DAC	KERN		35							10			
WILSON ROAD	DAC	KERN	4							16				
WINI MUTUAL WATER COMPANY	DAC	KERN	4											
ALICE MANOR	DAC	KINGS BASIN	10		1			4						
ARMONA	DAC	KINGS BASIN		15				1					10	
BIOLA	SDAC	KINGS BASIN								2				
CAMDEN TRAILER PARK	DAC	KINGS BASIN		5										
CARUTHERS	DAC	KINGS BASIN	12	16		2								
CUTLER	SDAC	KINGS BASIN								1				
DEL REY	SDAC	KINGS BASIN	42											
DINUBA	SDAC	KINGS BASIN	15											
DOUBLE L MOBILE RANCH PARK	SDAC	KINGS BASIN	2					12						8
EAST OROSI	SDAC	KINGS BASIN	2							14				

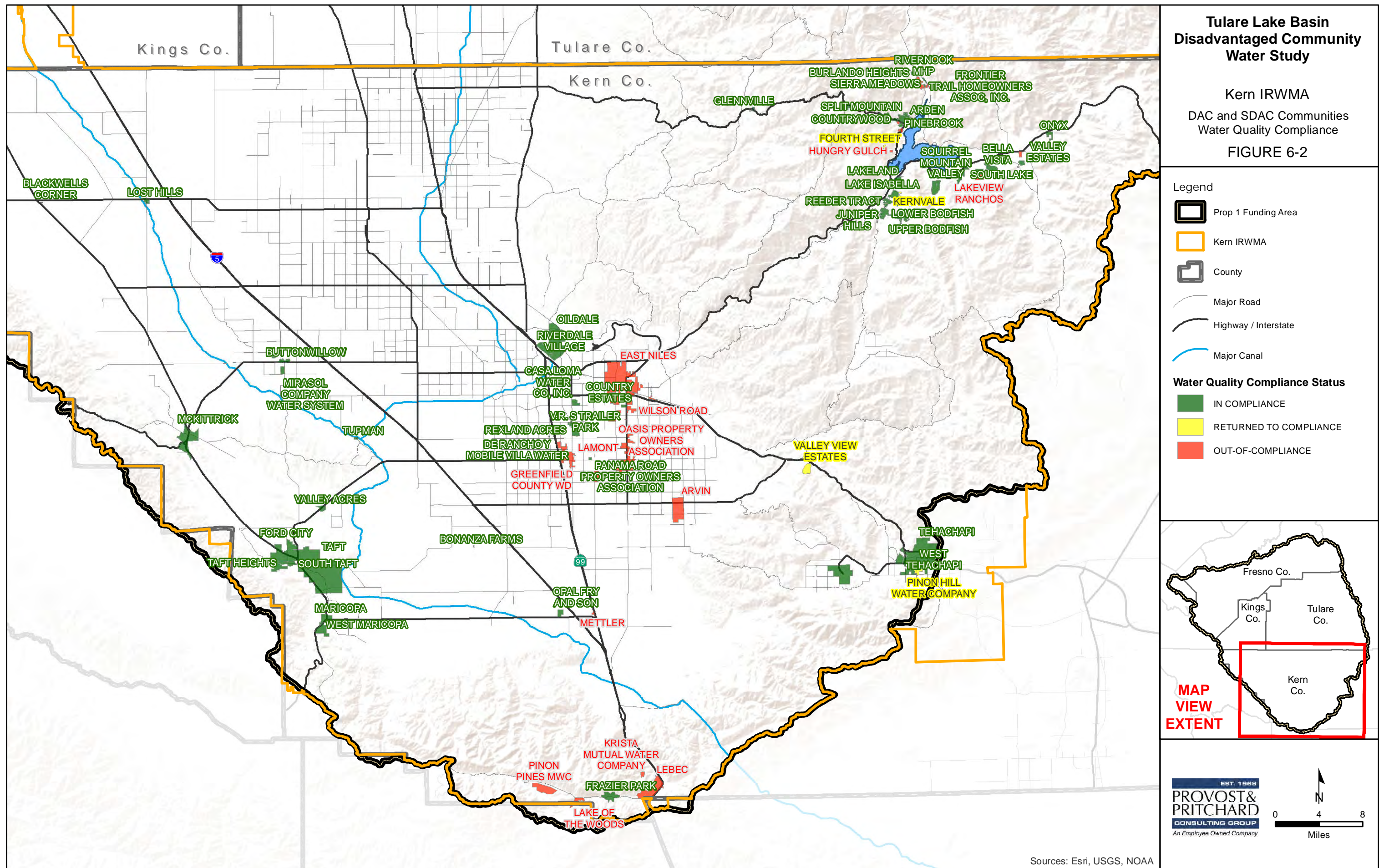
COMMUNITY NAME	DAC STATUS	IRWM	1,2,3-TCP	ARSENIC	DBCP	EDB	FLUORIDE	GROSS ALPHA	HAA5	NITRATE	NITRATE + NITRITE	PERCHLORATE	TTHM	URANIUM
EL MONTE VILLAGE M.H.P.	DAC	KINGS BASIN			2									
FOWLER	DAC	KINGS BASIN	8											
FRESNO	DAC	KINGS BASIN	237	1	122	31		8		171	1			
GEORGE COX WATER SYSTEM	DAC	KINGS BASIN			4									
GLEANINGS FOR THE HUNGRY	SDAC	KINGS BASIN								31	1	29		
HARDWICK	SDAC	KINGS BASIN												3
HOME GARDEN	SDAC	KINGS BASIN		34										
KERMAN	DAC	KINGS BASIN	2					6						2
LANARE	DAC	KINGS BASIN		20										
LATON	SDAC	KINGS BASIN						1						
LINDA VISTA FARMS	SDAC	KINGS BASIN						12						6
LONDON	SDAC	KINGS BASIN	24											
ORANGE COVE	SDAC	KINGS BASIN							4					
OROSI	SDAC	KINGS BASIN	15											
PARLIER	SDAC	KINGS BASIN	46		1									
REEDLEY	DAC	KINGS BASIN	67		38									
SANGER	DAC	KINGS BASIN	8		46			1						1
SELMA	DAC	KINGS BASIN	63											
SHADY LAKES MHP	SDAC	KINGS BASIN						1						
SULTANA	SDAC	KINGS BASIN			1						1			
THREE PALMS MHP	DAC	KINGS BASIN	2											
TRAVER	SDAC	KINGS BASIN	19					1		4				
YETTEM	DAC	KINGS BASIN								14				
ZONNEVELD DAIRY	SDAC	KINGS BASIN		14						1				
DELANO	SDAC	POSO CREEK	42	563						32				
EARLIMART	SDAC	POSO CREEK	26											
MCFARLAND	SDAC	POSO CREEK	8	3						1				
POND	DAC	POSO CREEK		13										
POND SCHOOL	SDAC	POSO CREEK		28										
RICHGROVE	SDAC	POSO CREEK	4	2						2				
RODRIQUEZ LABOR CAMP	DAC	POSO CREEK	3							15				
SHAFTER	DAC	POSO CREEK	179							10	1			
WASCO	DAC	POSO CREEK	67							12				
LAKE SUCCESS MOBILE LODGE	SDAC	SOUTHERN SIERRA								10	1			
PINE FLAT	SDAC	SOUTHERN SIERRA						7						1
SPRINGVILLE	SDAC	SOUTHERN SIERRA							2				1	
ALLENSWORTH	SDAC	TULE		24							1			
ALPAUGH	DAC	TULE		28										

COMMUNITY NAME	DAC STATUS	IRWM	1,2,3-TCP	ARSENIC	DBCP	EDB	FLUORIDE	GROSS ALPHA	HAA5	NITRATE	NITRATE + NITRITE	PERCHLORATE	TTHM	URANIUM
BEVERLY-GRAND MUTUAL WATER	DAC	TULE								15				
CENTRAL MUTUAL WATER CO	DAC	TULE								1				
DUCOR	SDAC	TULE								1				
GRANDVIEW GARDENS	DAC	TULE								14	2			
PIXLEY	SDAC	TULE	8	23										
POPLAR	SDAC	TULE								9				
PORTERVILLE	DAC	TULE						1		1				
TEA POT DOME	DAC	TULE								4				
TEVISTON	SDAC	TULE	4											
TIPTON	SDAC	TULE		1						1				
TIPTON BURNETT ROAD	DAC	TULE		1						1				
WOODVILLE	SDAC	TULE	9							11				
WOODVILLE FARM LABOR CENTER	SDAC	TULE	10											
BRITZ/COLUSA	SDAC	WESTSIDE SJ											2	
BRITZ/FIVE POINTS SYSTEM	SDAC	WESTSIDE SJ											2	
CANTUA CREEK	SDAC	WESTSIDE SJ							9				13	
EL PORVENIR	SDAC	WESTSIDE SJ							10			1	13	
FARMING D	SDAC	WESTSIDE SJ											2	
FCSA #49	DAC	WESTSIDE SJ							4				10	
HARRIS FARMS CAMP C #501-523	DAC	WESTSIDE SJ							6				2	
HARRIS FARMS SOUTH #101-144	SDAC	WESTSIDE SJ							5				1	
HOULDING FARMS	SDAC	WESTSIDE SJ		13										
HURON	SDAC	WESTSIDE SJ							1				22	
PAPPAS & CO (FARM HOUSING)	DAC	WESTSIDE SJ							11				12	
PAPPAS & COMPANY (FARM HOUSING)	DAC	WESTSIDE SJ							8				12	
PILIBOS BROTHERS RANCH	SDAC	WESTSIDE SJ							2				5	
SAN ANDREAS FARMS	SDAC	WESTSIDE SJ							3				4	
STEVE MARKS CATTLE COMPANY	SDAC	WESTSIDE SJ							2				2	
SUMNER PECK RANCH	SDAC	WESTSIDE SJ							2				4	
TERRA LINDA FARMS	SDAC	WESTSIDE SJ							3				2	
VAQUERO FARMS	DAC	WESTSIDE SJ							4				7	
AVENAL	SDAC	Outside of IRWM							3				9	
CORCORAN	SDAC	Outside of IRWM		351						58	1			
HANFORD	SDAC	Outside of IRWM		4									5	
KETTLEMAN CITY	DAC	Outside of IRWM		14										
LEMOORE	DAC	Outside of IRWM		84					3				49	
LEMOORE MHP	DAC	Outside of IRWM		1										

















# Tulare Lake Basin Disadvantaged Community Water Study

Kings Basin Water Authority




DAC and SDAC Communities  
Water Quality Compliance

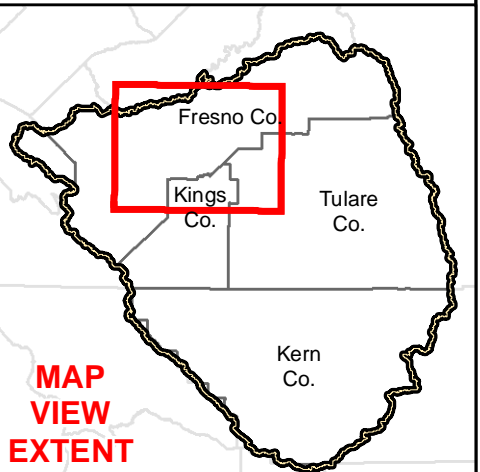
FIGURE 6-3

## Legend

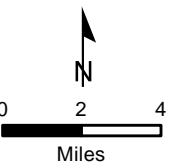
-  Prop 1 Funding Area
-  Kings Basin Water Authority
-  County
-  Major Road
-  Highway / Interstate
-  Major Canal

## Water Quality Compliance Status

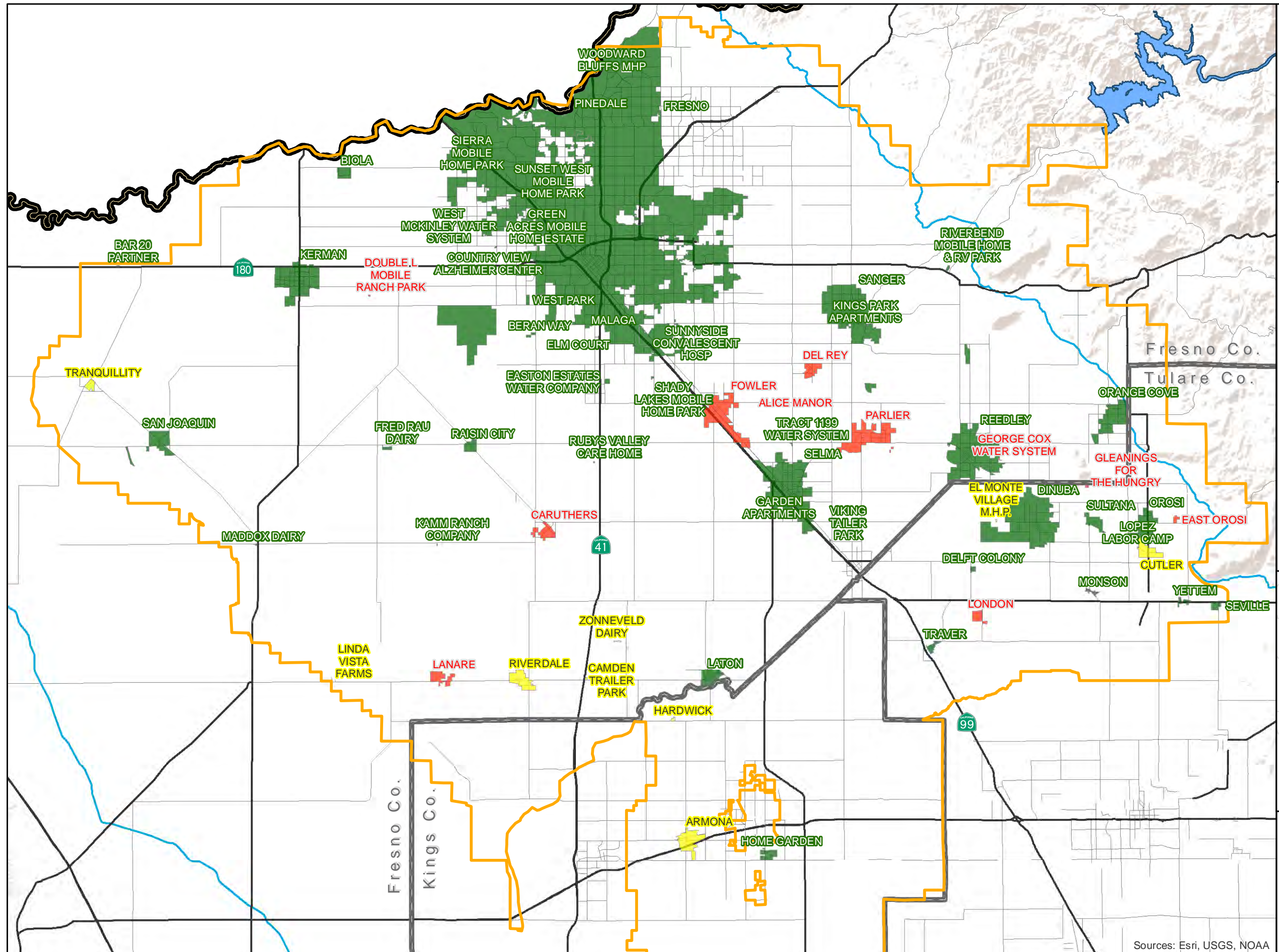
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-  OUT-OF-COMPLIANCE



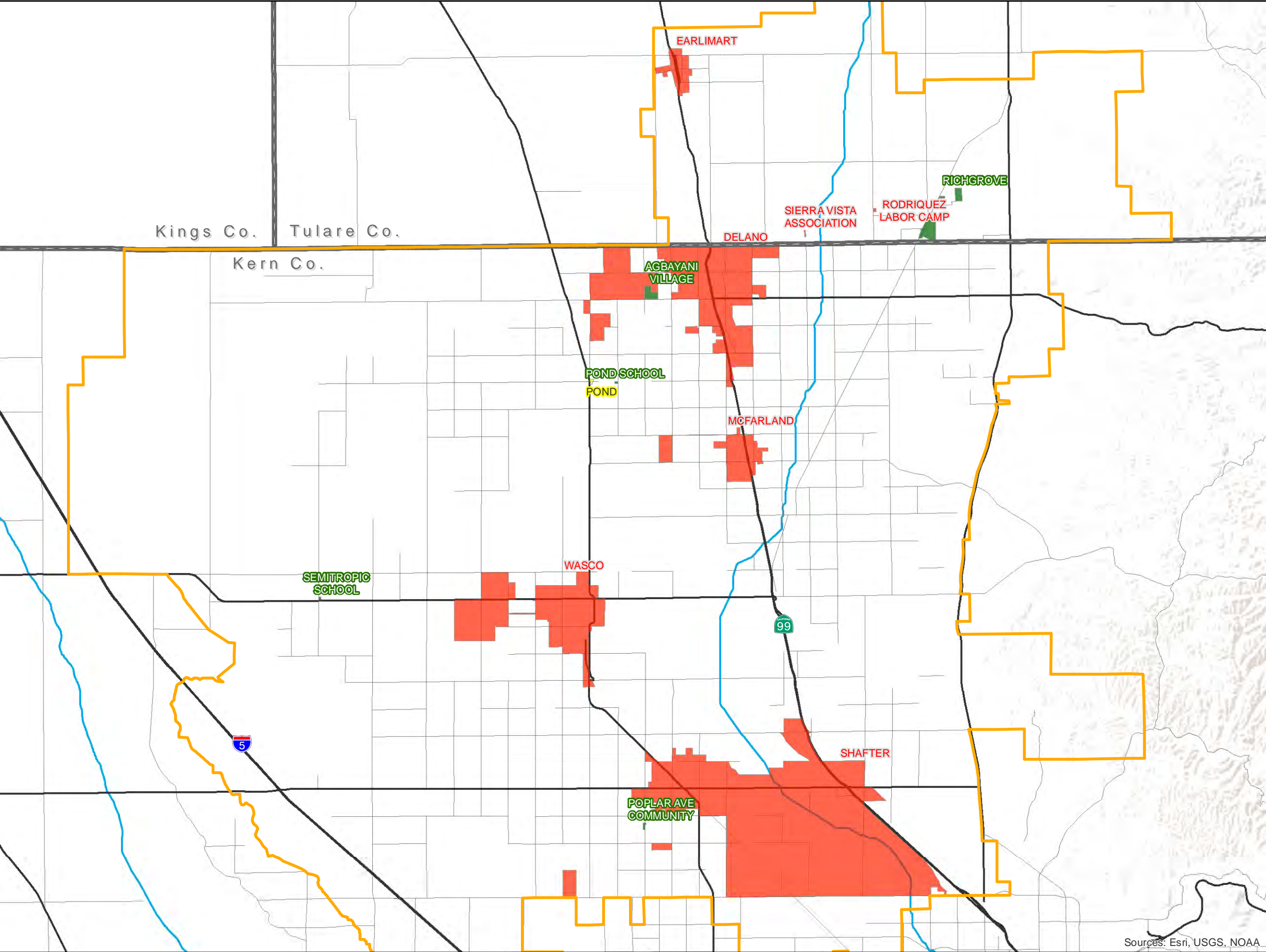
EST. 1968  
**PROVOST & PRITCHARD**  
CONSULTING GROUP  
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Sources: Esri, USGS, NOAA







**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

Poso Creek IRWMA

DAC and SDAC Communities  
Water Quality Compliance

**FIGURE 6-4**

Legend

- Prop 1 Funding Area
- Poso Creek IRWMA
- County
- Major Road
- Highway / Interstate
- Major Canal

**Water Quality Compliance Status**

- IN COMPLIANCE
- RETURNED TO COMPLIANCE
- OUT-OF-COMPLIANCE

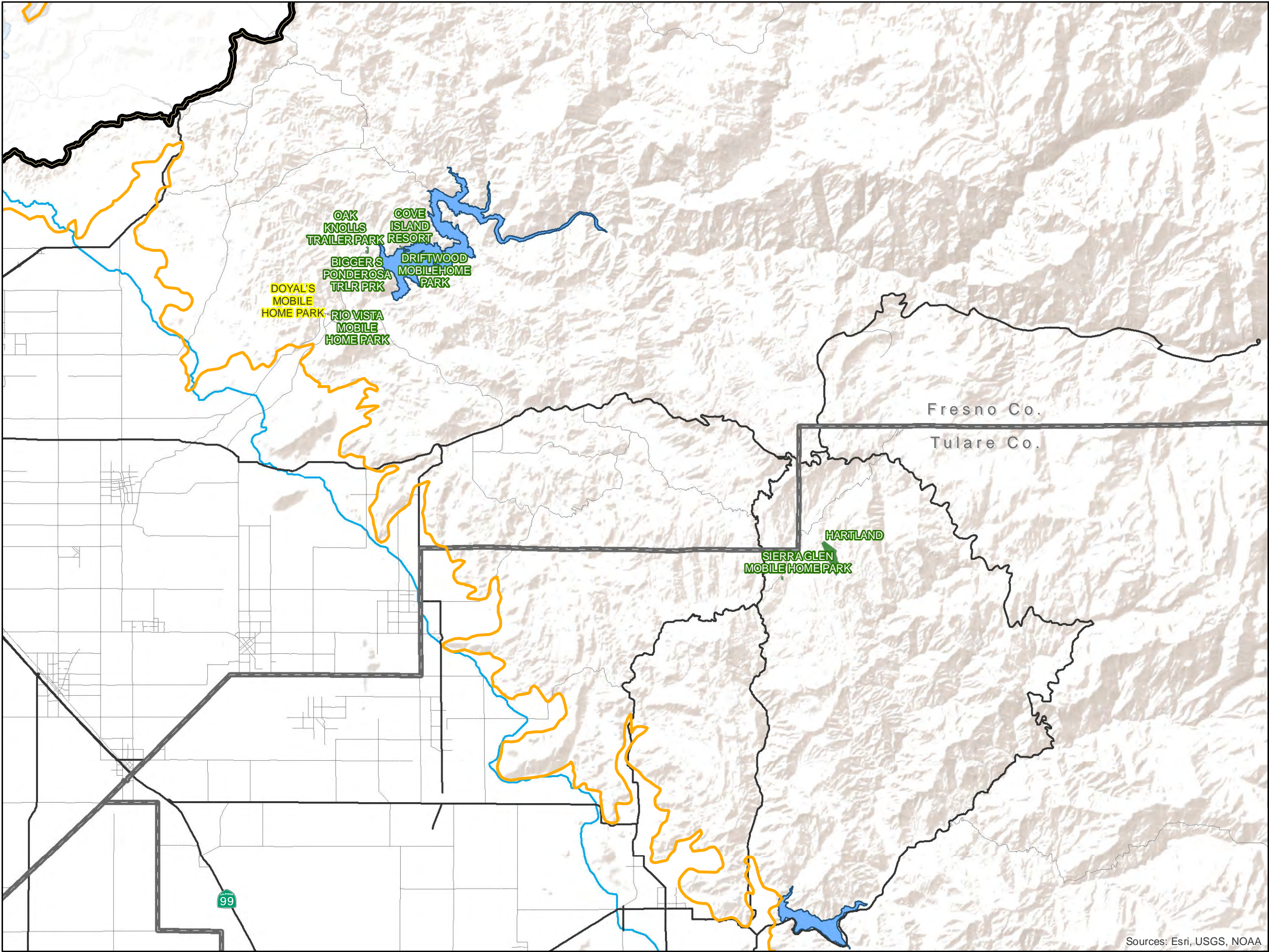
MAP  
VIEW  
EXTENT

EST. 1988  
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Sources: Esri, USGS, NOAA





**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

Southern Sierra IRWMA  
(North)

DAC and SDAC Communities  
Water Quality Compliance

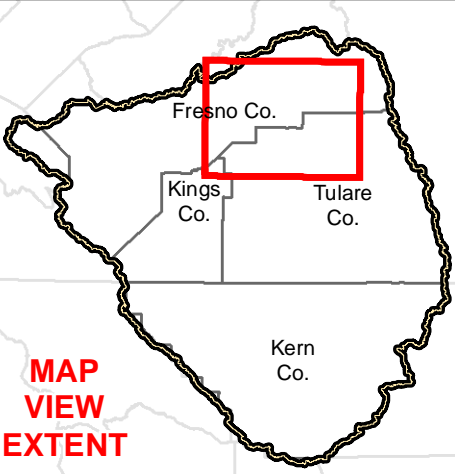
FIGURE 6-5

**Legend**

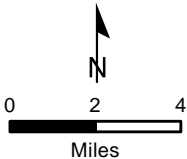
- Prop 1 Funding Area
- Southern Sierra IRWMA
- County
- Major Road
- Highway / Interstate
- Major Canal

**Water Quality Compliance Status**

- IN COMPLIANCE
- RETURNED TO COMPLIANCE
- OUT-OF-COMPLIANCE

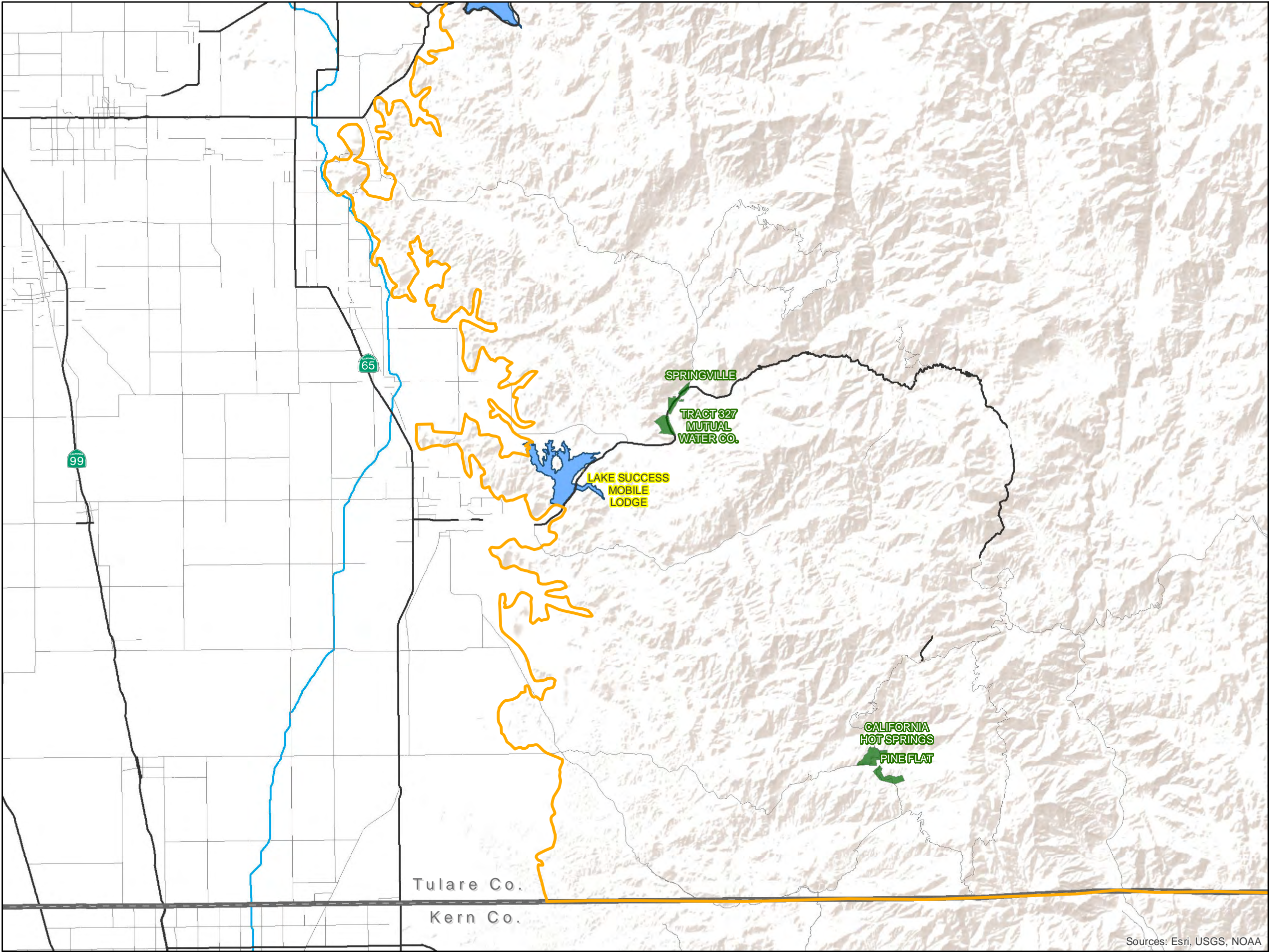


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Sources: Esri, USGS, NOAA











**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

Southern Sierra IRWMA  
(South)




DAC and SDAC Communities  
Water Quality Compliance

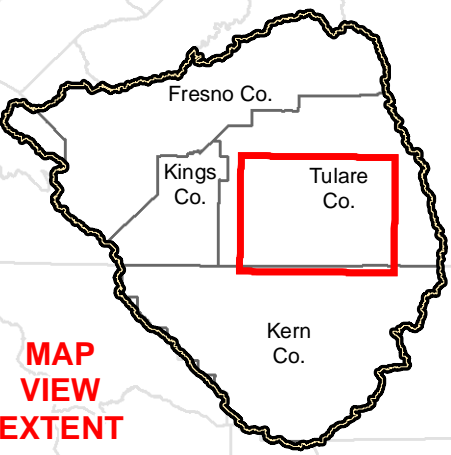
FIGURE 6-6

**Legend**

-  Prop 1 Funding Area
-  Southern Sierra IRWMA
-  County
-  Major Road
-  Highway / Interstate
-  Major Canal

**Water Quality Compliance Status**

-  IN COMPLIANCE
-  RETURNED TO COMPLIANCE
-  OUT-OF-COMPLIANCE

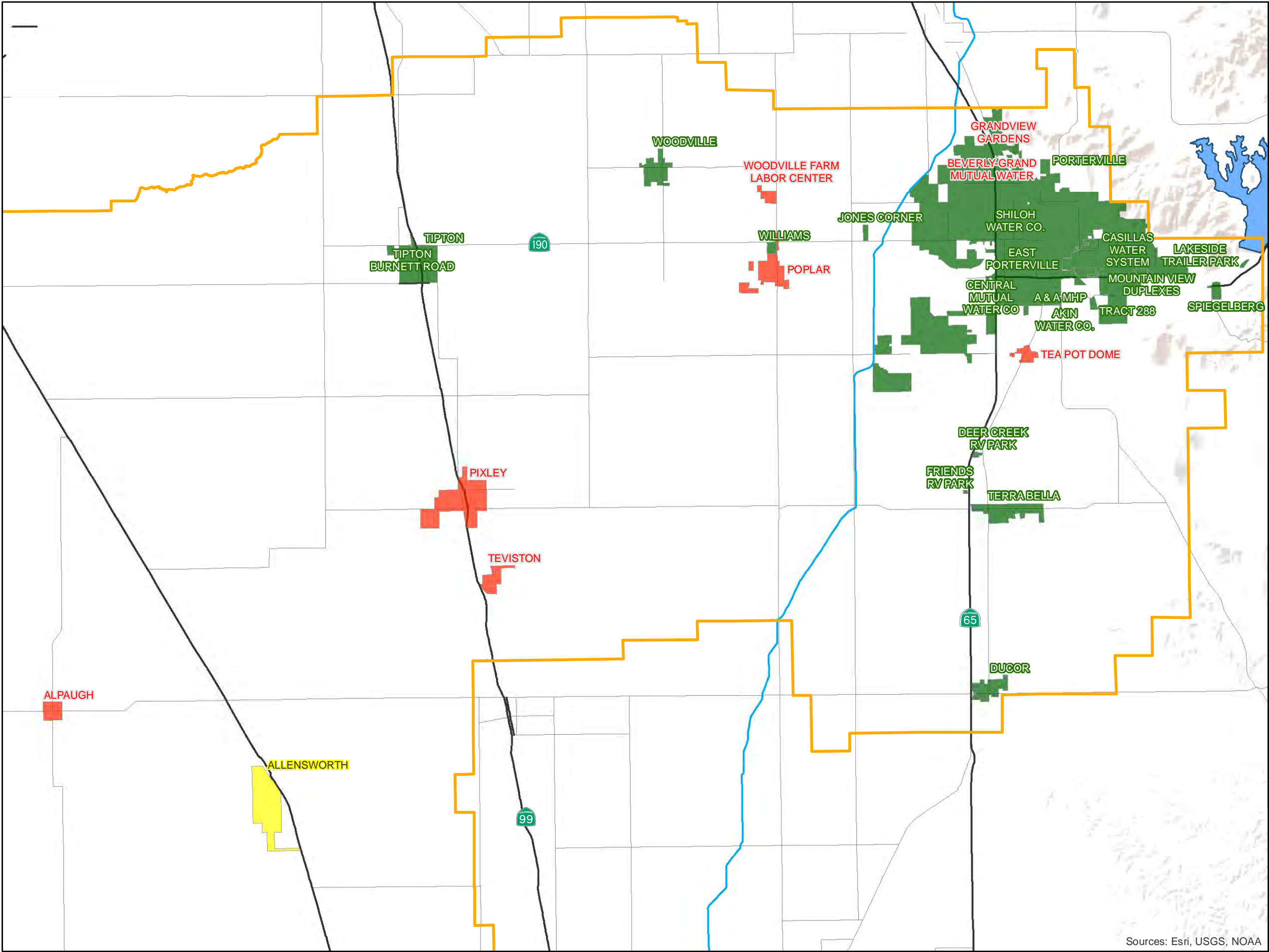


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CONSULTING GROUP  
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Sources: Esri, USGS, NOAA





**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

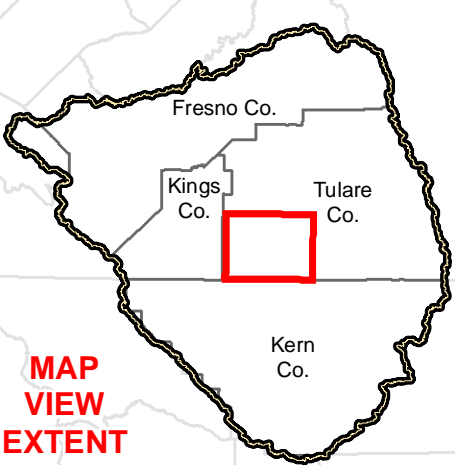
Tule River Basin  
IRWMA  
DAC and SDAC Communities  
Water Quality Compliance  
**FIGURE 6-7**

**Legend**

- Prop 1 Funding Area
- Tule River Basin IRWMA
- County
- Major Road
- Highway / Interstate
- Major Canal

**Water Quality Compliance Status**

- IN COMPLIANCE
- RETURNED TO COMPLIANCE
- OUT-OF-COMPLIANCE



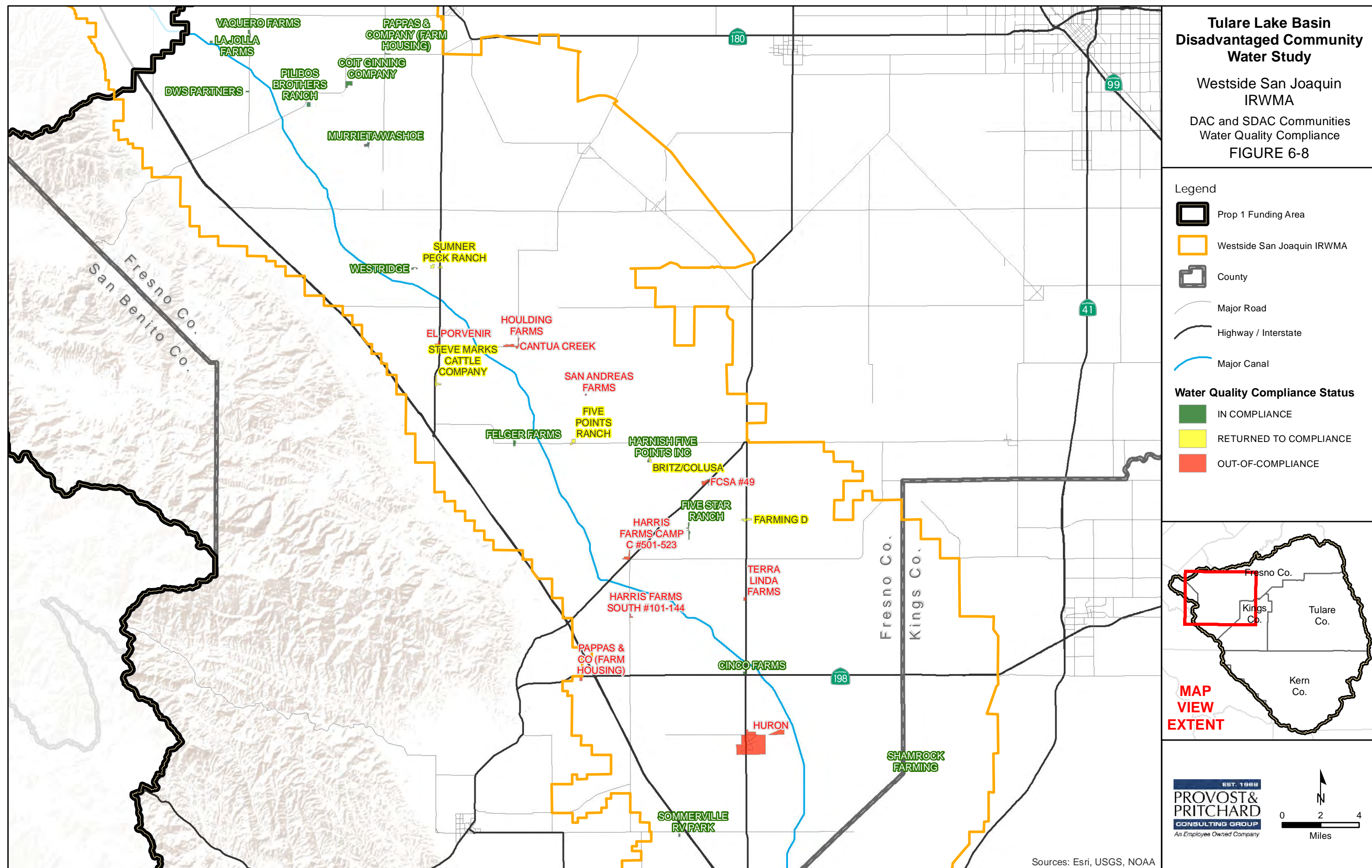
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CONSULTING GROUP  
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EST. 1988

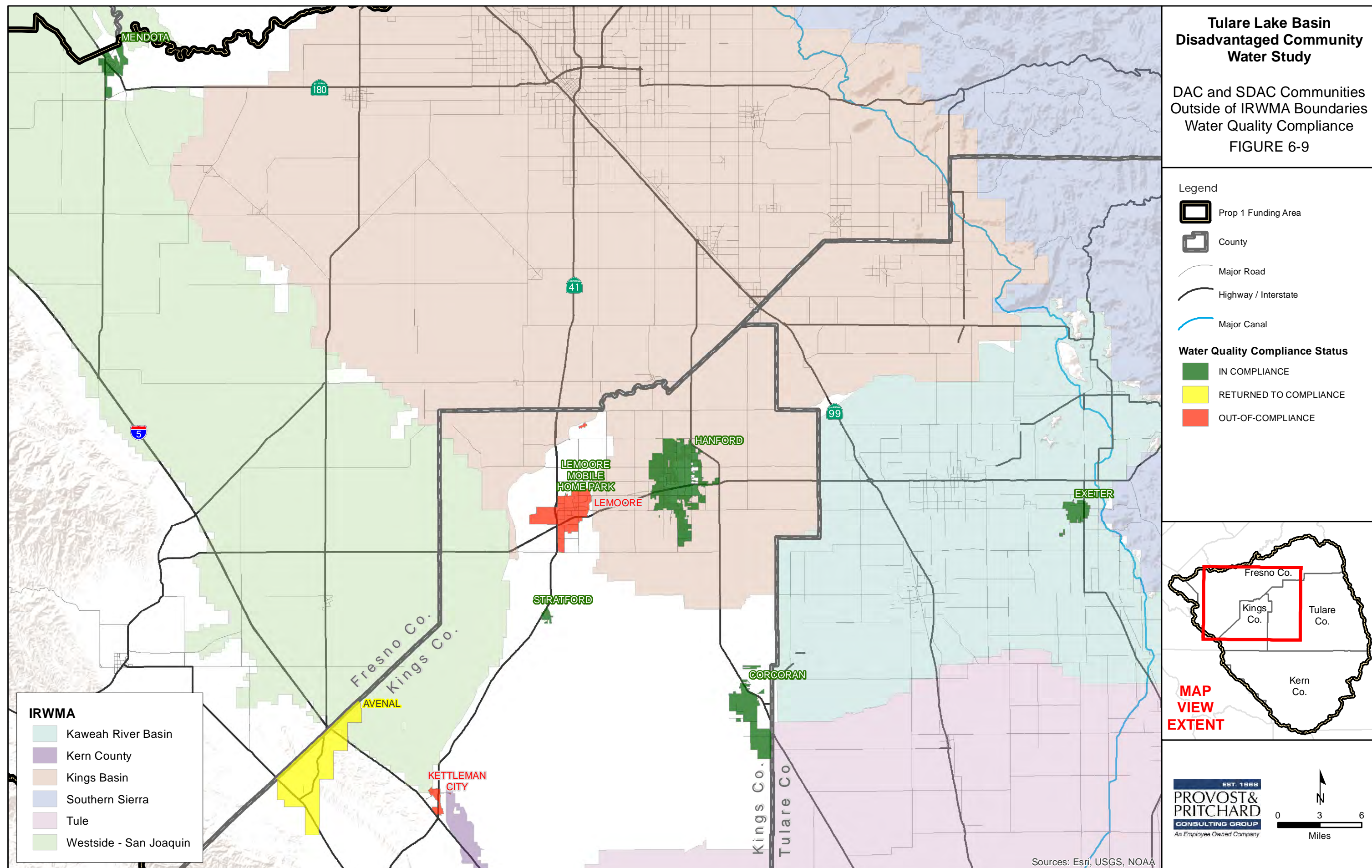
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Sources: Esri, USGS, NOAA











## 6.3 Water Treatment Systems

[Future Section – not included in Preliminary Needs Assessment]

## 7 Consolidated Systems

### 7.1 Consolidated Systems

Several water systems have been consolidated since the TLB Study was completed in 2014. The SWRCB Division of Drinking Water started tracking consolidations in 2017. They did not comprehensively track consolidations prior to 2017.

Consolidation system information included in this Preliminary Needs Assessment is based on:

1. Consolidation statistics from the SWRCB for 2017 and 2018;
2. Comparison of active water system IDs from the TLB Study to present; and
3. System consolidations known by the project team.

There are two main categories of consolidated systems:

1. Small communities that have consolidated with an adjacent city
2. Communities served by a single water provider but remain separate communities (examples include West Kern Water District and Cal Water System)

Both of these types of consolidation are shown on Table 7-1 and Figure 7-1 through Figure 7-9. However, while the small communities that have consolidated with an adjacent city no longer show on the DAC maps in previous sections, those served by a shared water provider remain as separate DACs on the maps.

There have been 64 consolidated systems identified, as shown in Figure 7-1 through Figure 7-9.

Table 7-1. Disadvantaged Communities – Consolidated Systems

COMMUNITY NAME	RECEIVING SYSTEM	COUNTY	IRWM
CAMERON CREEK COLONY	CITY OF FARMERSVILLE	TULARE	KAWEAH
GOSHEN	CWS - VISALIA	TULARE	KAWEAH
LONE OAK TRACT	CITY OF TULARE	TULARE	KAWEAH
MATHENY TRACT	CITY OF TULARE	TULARE	KAWEAH
NORTH OF VISALIA TRACT	CWS - VISALIA	TULARE	KAWEAH
PAIGE-MOORE TRACT	CITY OF LINDSAY	TULARE	KAWEAH
SIERRA SHADOWS MOBILE MANOR	CITY OF LINDSAY	TULARE	KAWEAH
TRACT 396	CWS - VISALIA	TULARE	KAWEAH
WELLS TRACT	CITY OF WOODLAKE	TULARE	KAWEAH
WEST GOSHEN	CWS-VISALIA	TULARE	KAWEAH
WESTLAKE VILLAGE M H P	CWS - VISALIA	TULARE	KAWEAH
ARVIN LABOR CENTER	LAMONT PUBLIC UTILITY DIST	KERN	KERN
BOULDER CANYON	CWS - KERNVILLE SYSTEM	KERN	KERN
BROCK MUTUAL WC	CITY OF BAKERSFIELD	KERN	KERN
COUNTRY ESTATES	EAST NILES CSD	KERN	KERN
DERBY ACRES	WEST KERN CWD	KERN	KERN



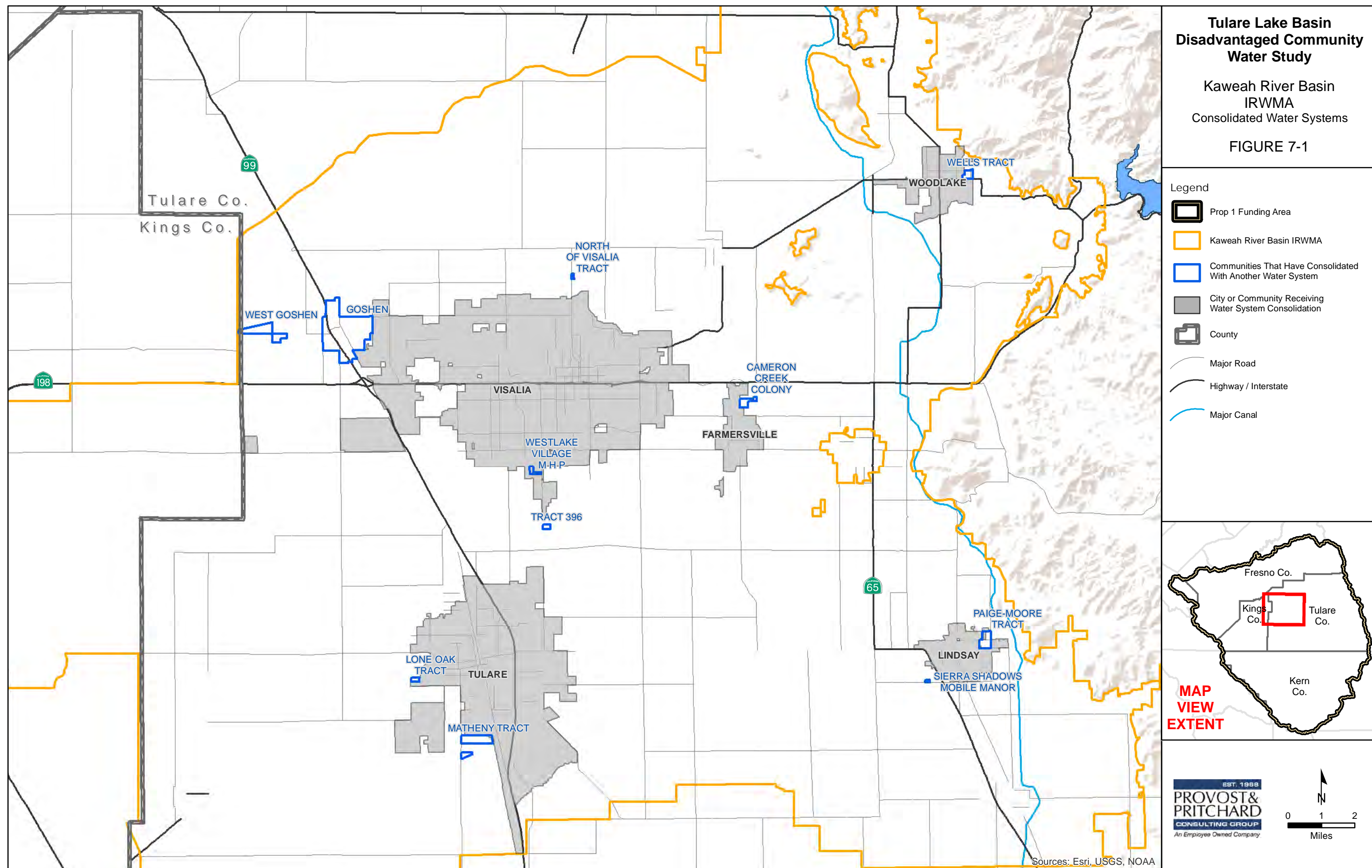
Section Seven: Consolidated Systems  
Preliminary Needs Assessment

COMMUNITY NAME	RECEIVING SYSTEM	COUNTY	IRWM
DUSTIN ACRES	WEST KERN CWD	KERN	KERN
EDMUNDSON ACRES	ARVIN CSD	KERN	KERN
FORD CITY	WEST KERN CWD	KERN	KERN
JUNIPER HILLS	LAKE ISABELLA CSD	KERN	KERN
KERNVILLE	CWS - KERNVILLE SYSTEM	KERN	KERN
LAKE ISABELLA	LAKE ISABELLA CSD	KERN	KERN
MCKITTRICK	WEST KERN CWD	KERN	KERN
MITCHELLS CORNER	ARVIN CSD	KERN	KERN
ONYX	CWS-ONYX	KERN	KERN
PONDEROSA PINE	CWS - KERNVILLE SYSTEM	KERN	KERN
SHADY LANE MOBILE PARK	LAKE ISABELLA CSD	KERN	KERN
SOUTH LAKE	CWS SOUTHLAKE SQUIRREL VALLEY SYSTEM	KERN	KERN
SOUTH TAFT	WEST KERN CWD	KERN	KERN
SQUIRREL MOUNTAIN VALLEY	CWS SOUTHLAKE SQUIRREL VALLEY SYSTEM	KERN	KERN
TAFT HEIGHTS	WEST KERN CWD	KERN	KERN
TUPMAN	WEST KERN CWD	KERN	KERN
TWIN PINES MOBILEHOME PARK	CITY OF BAKERSFIELD	KERN	KERN
VALLEY ACRES	WEST KERN CWD	KERN	KERN
WEST MARICOPA	WEST KERN CWD	KERN	KERN
BERAN WAY	FCSA #39 A&B	FRESNO	KINGS BASIN
CALWA	CITY OF FRESNO	FRESNO	KINGS BASIN
COMMUNITY 227	CITY OF SELMA	FRESNO	KINGS BASIN
COMMUNITY 2512	CITY OF DINUBA	TULARE	KINGS BASIN
DATE STREET	CITY OF KERMAN	FRESNO	KINGS BASIN
FOUR SEASONS MHP	CITY OF HANFORD	KINGS	KINGS BASIN
HAMBLIN	CITY OF HANFORD	KINGS	KINGS BASIN
LACEY COURTS MHP	CITY OF HANFORD	KINGS	KINGS BASIN
MAYFAIR	CITY OF FRESNO	FRESNO	KINGS BASIN
NORSEMAN M.H.P.	CITY OF KINGSBURG	TULARE	KINGS BASIN
SHADY ACRE TRAILER PARK	CITY OF FRESNO	FRESNO	KINGS BASIN
SUNNYSIDE	CITY OF FRESNO	FRESNO	KINGS BASIN
TAFOYA WATER SYSTEM	YETTEM WATER SYSTEM	TULARE	KINGS BASIN
TODD'S TRAILER COURT	CITY OF FRESNO	FRESNO	KINGS BASIN
WEST PARK	FCSA #39 A&B	FRESNO	KINGS BASIN
BISHOP ACRES	CITY OF SHAFTER	KERN	POSO CREEK
CHEROKEE STRIP	CITY OF SHAFTER	KERN	POSO CREEK
MADONNA	CITY OF DELANO	TULARE	POSO CREEK
MAPLE SCHOOL	CITY OF SHAFTER	KERN	POSO CREEK
MEXICAN COLONY	CITY OF SHAFTER	KERN	POSO CREEK
SHAFTER FARM LABOR CENTER	CITY OF SHAFTER	KERN	POSO CREEK
SMITH'S CORNER	CITY OF SHAFTER	KERN	POSO CREEK
SOUTHWEST SHAFTER	CITY OF SHAFTER	KERN	POSO CREEK
THOMAS LANE	CITY OF SHAFTER	KERN	POSO CREEK

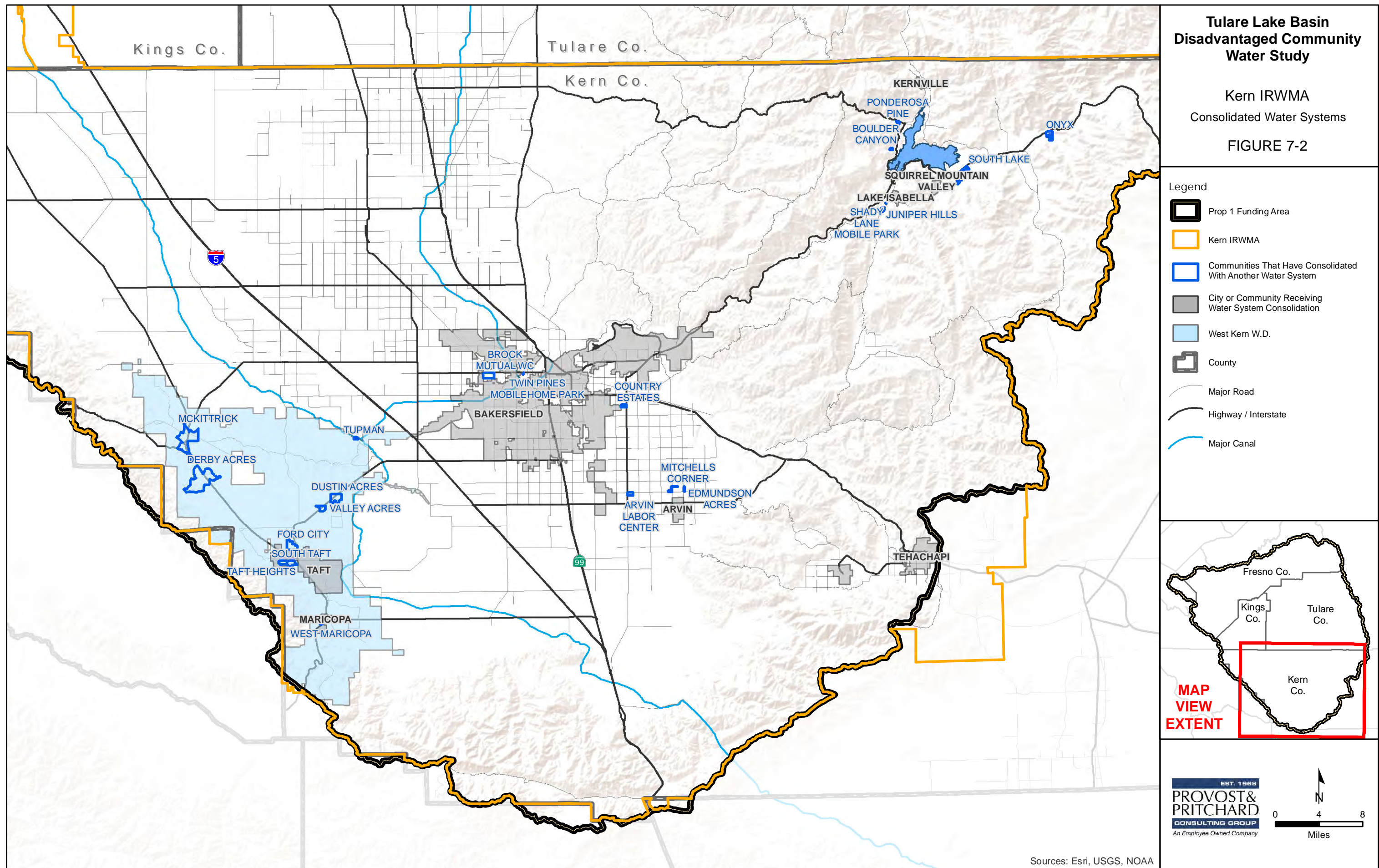
Section Seven: Consolidated Systems  
Preliminary Needs Assessment

COMMUNITY NAME	RECEIVING SYSTEM	COUNTY	IRWM
WEST SHAFTER	CITY OF SHAFTER	KERN	POSO CREEK
GOLDEN KEY APARTMENTS	CITY OF PORTERVILLE	TULARE	TULE
TIPTON BURNETT ROAD	TIPTON CSD	TULARE	TULE
TRACTS 45 - 68 - 157 - 199 - 201 - 319	CITY OF PORTERVILLE	TULARE	TULE
COMMUNITY 259	CITY OF CORCORAN	KINGS	Outside of IRWM














# Tulare Lake Basin Disadvantaged Community Water Study

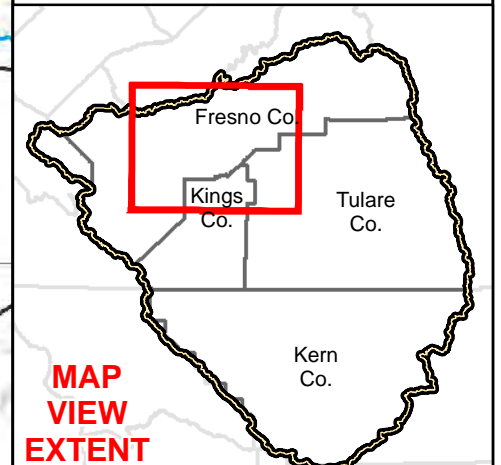
Kings Basin Water Authority

Consolidated Water Systems

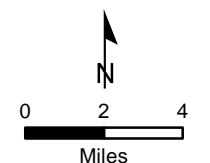
FIGURE 7-3

## Legend

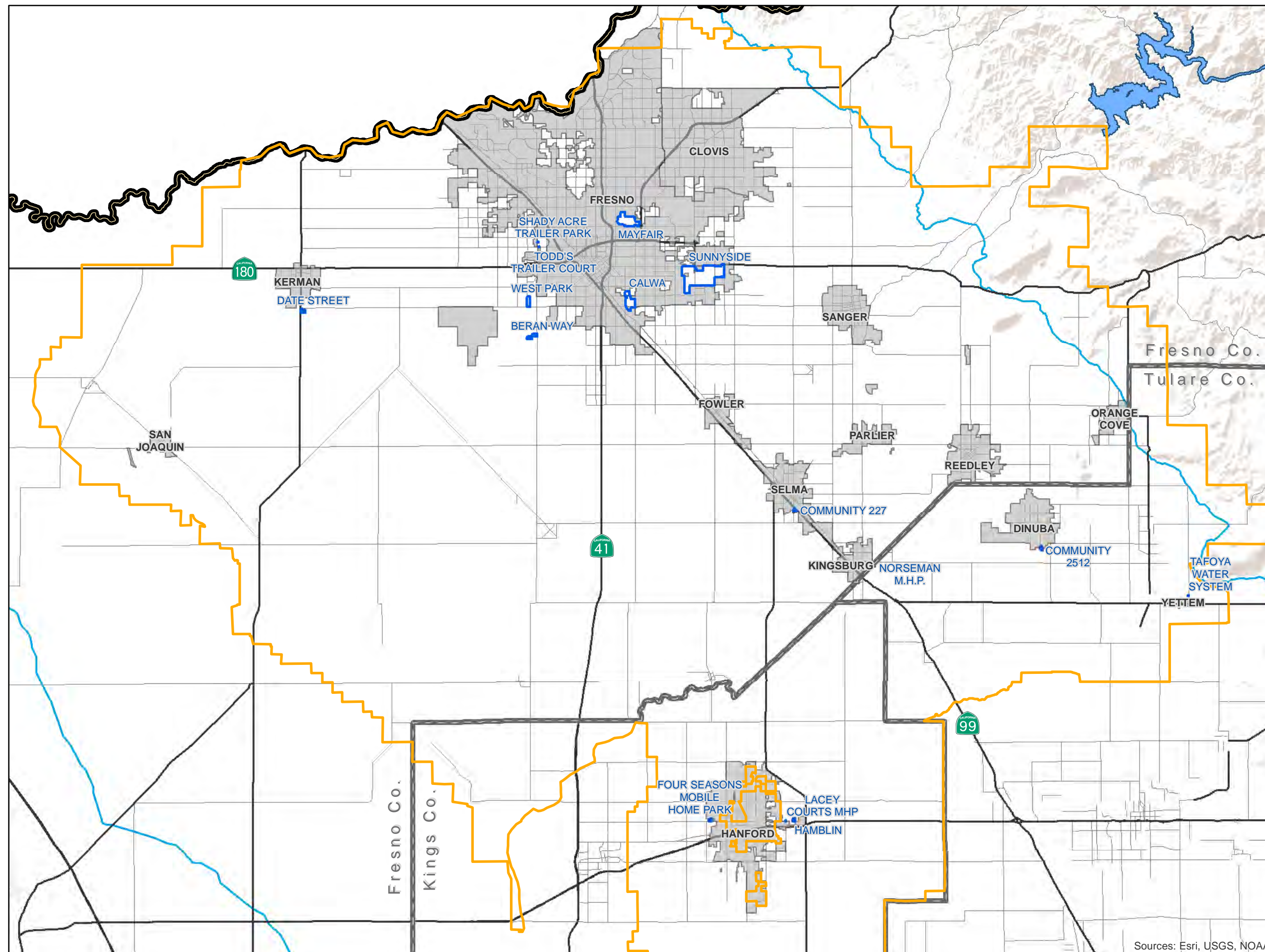
-  Prop 1 Funding Area
-  Kings Basin Water Authority
-  Communities That Have Consolidated With Another Water System
-  City or Community Receiving Water System Consolidation
-  County
-  Major Road
-  Highway / Interstate
-  Major Canal



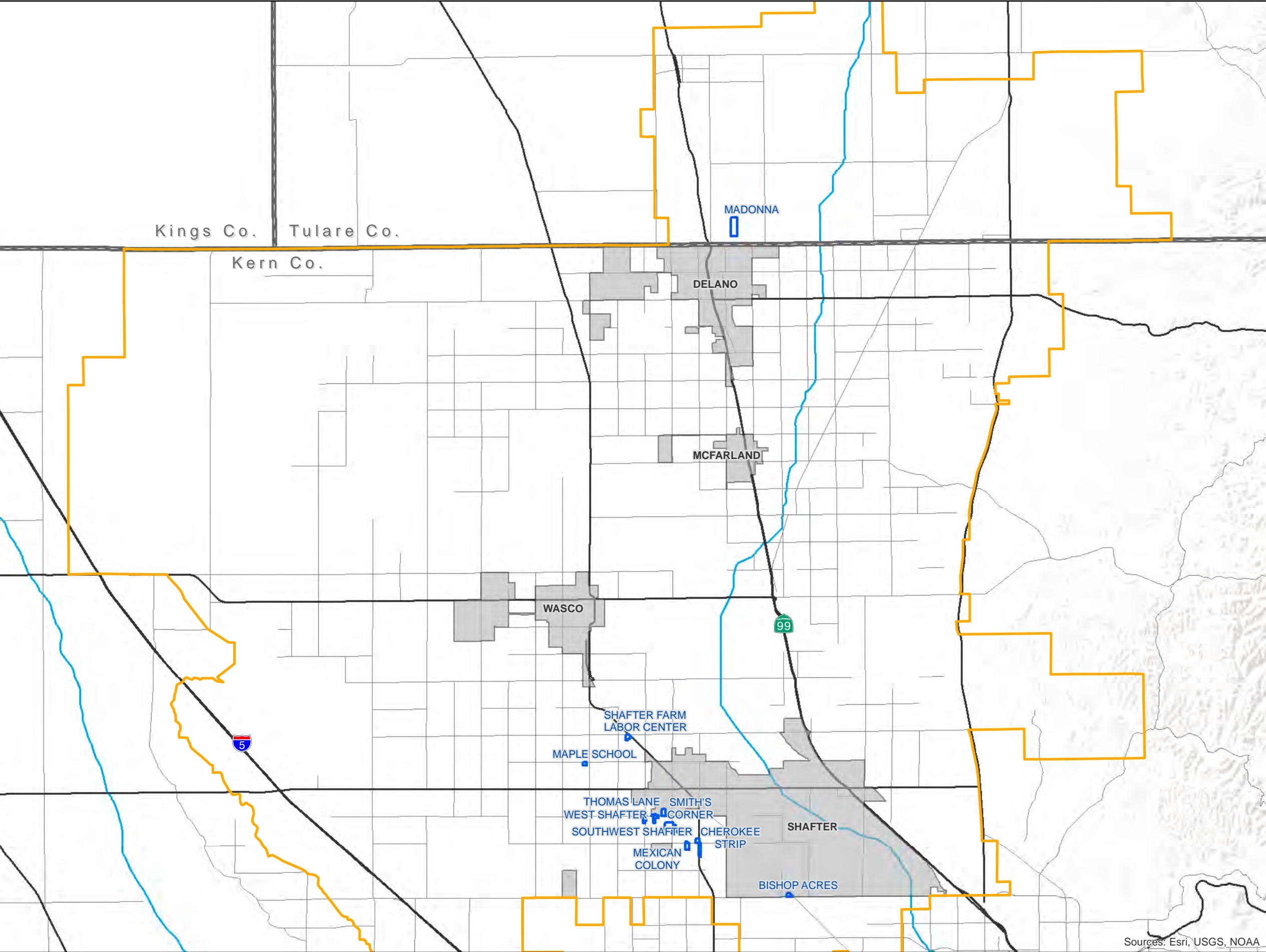
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Sources: Esri, USGS, NOAA










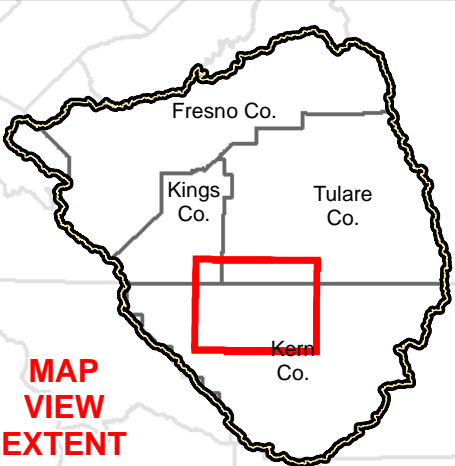


**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

Poso Creek IRWMA  
Consolidated Water Systems

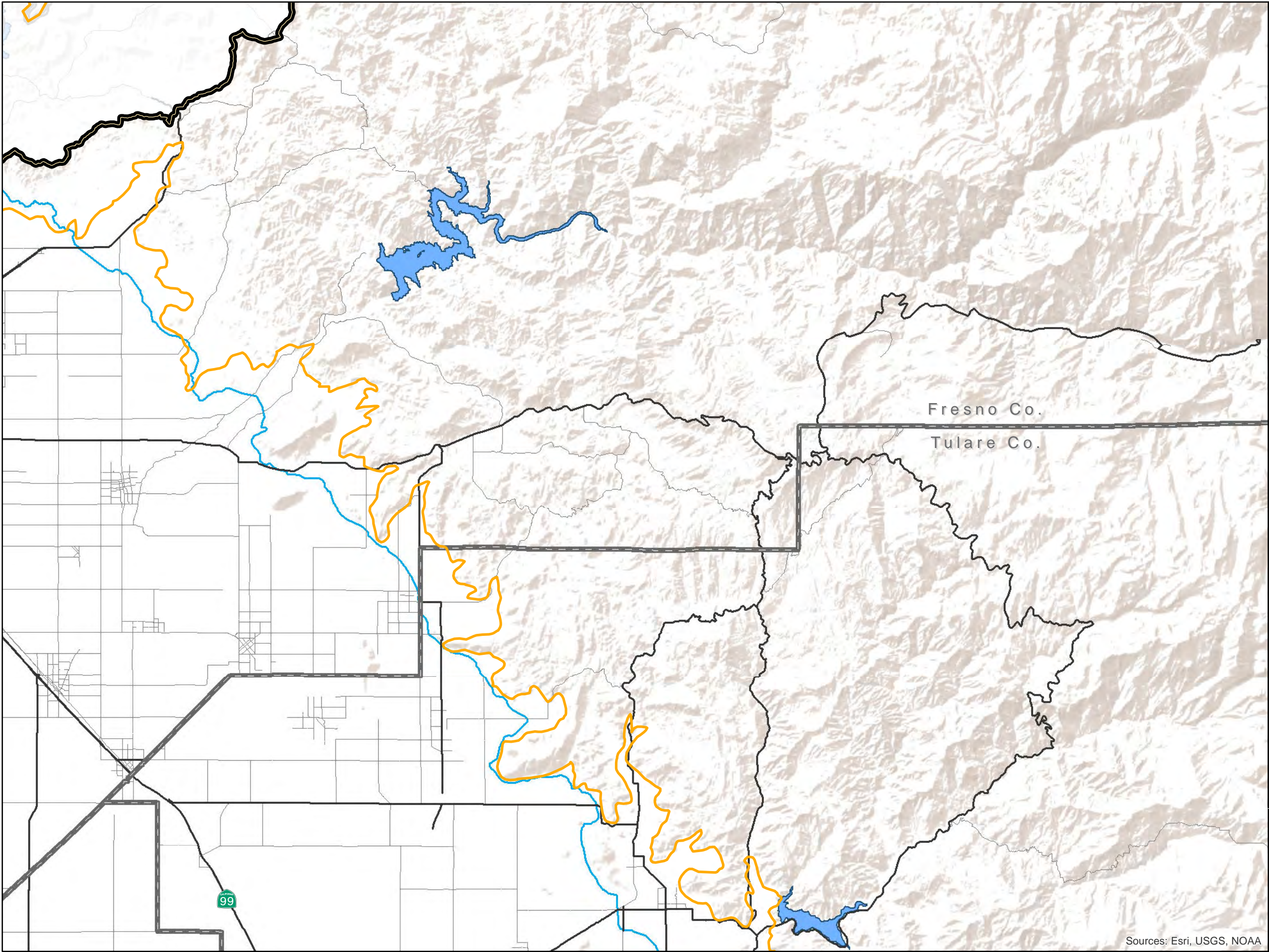
FIGURE 7-4

- Legend
-  Prop 1 Funding Area
  -  Poso Creek IRWMA
  -  Communities That Have Consolidated With Another Water System
  -  City or Community Receiving Water System Consolidation
  -  County
  -  Major Road
  -  Highway / Interstate
  -  Major Canal



Sources: Esri, USGS, NOAA





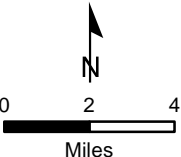
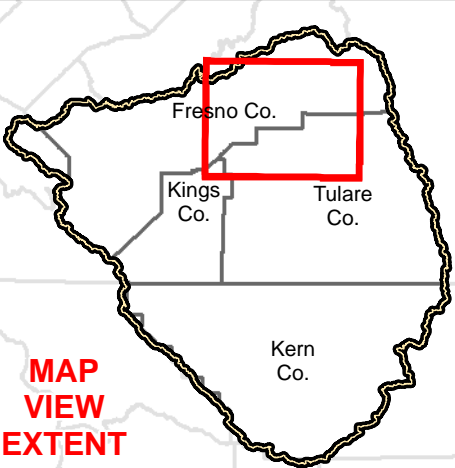
**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

Southern Sierra IRWMA  
(North)  
Consolidated Water Systems

FIGURE 7-5

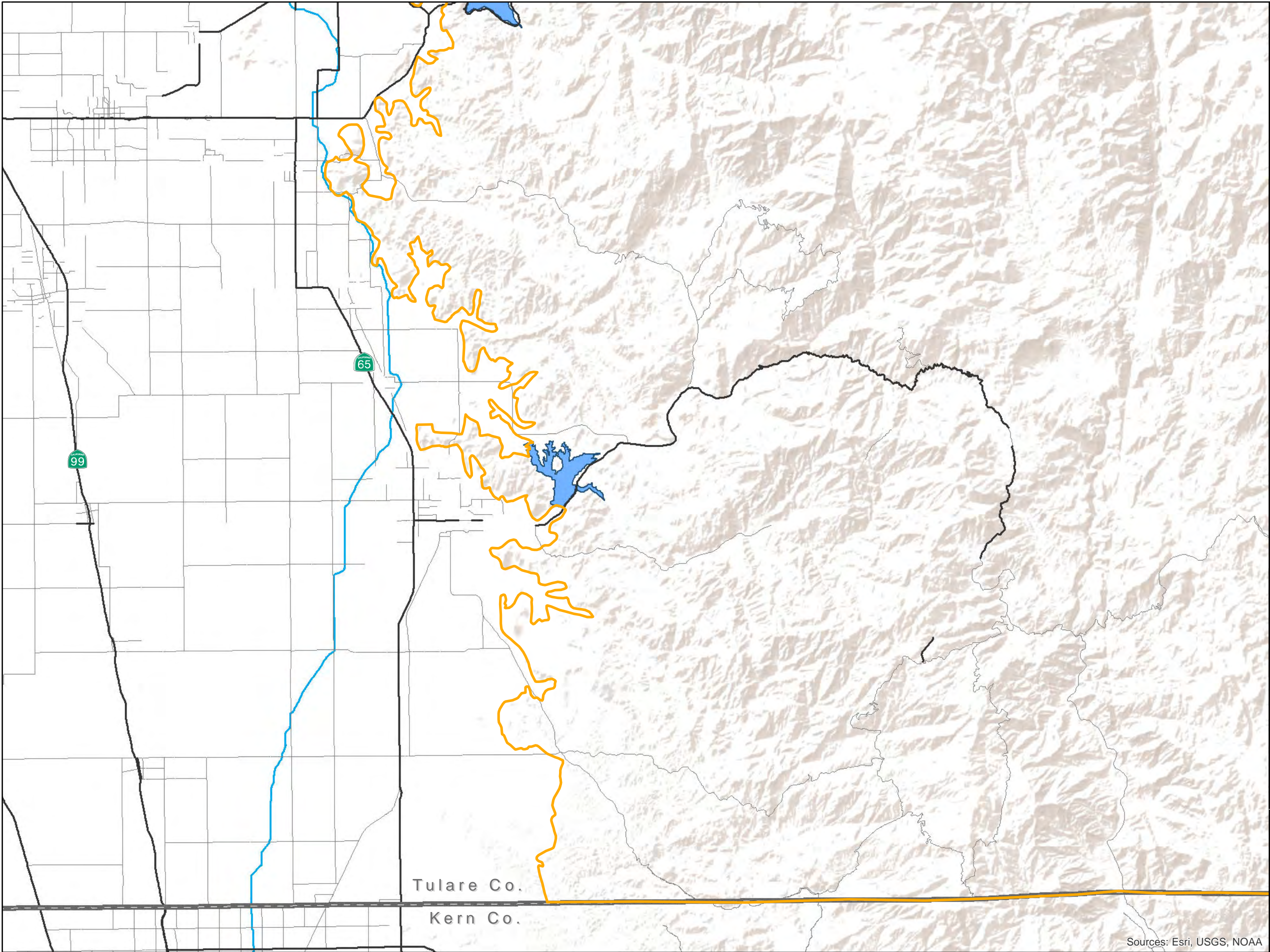
- Legend
- Prop 1 Funding Area
  - Southern Sierra IRWMA
  - Communities That Have Consolidated With Another Water System \*
  - City or Community Receiving Water System Consolidation \*
  - County
  - Major Road
  - Highway / Interstate
  - Major Canal

*\*No Communities That Have Consolidated in this IRWMA, no Cities in this IRWMA*



Sources: Esri, USGS, NOAA





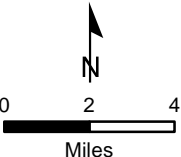
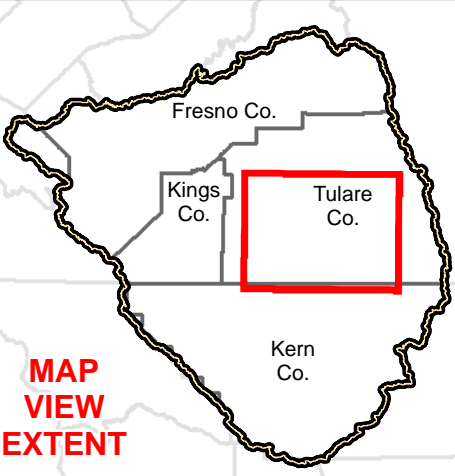
**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

Southern Sierra IRWMA  
(South)  
Consolidated Water Systems

FIGURE 7-6

- Legend
- Prop 1 Funding Area
  - Southern Sierra IRWMA
  - Communities That Have Consolidated With Another Water System \*
  - City or Community Receiving Water System Consolidation \*
  - County
  - Major Road
  - Highway / Interstate
  - Major Canal

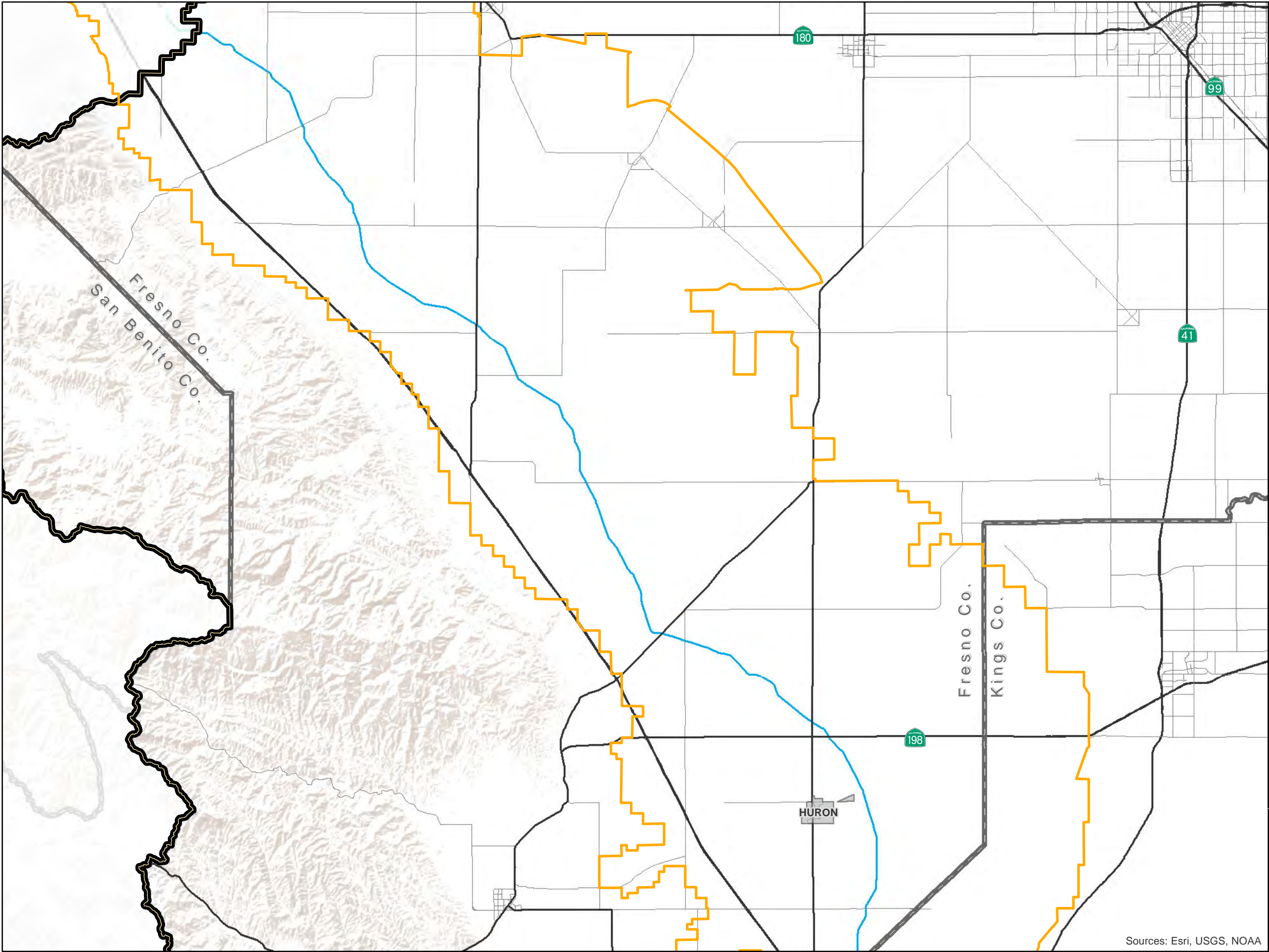
*\*No Communities That Have Consolidated in this IRWMA, no Cities in this IRWMA*



Sources: Esri, USGS, NOAA







**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

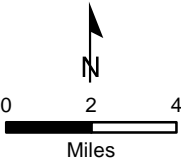
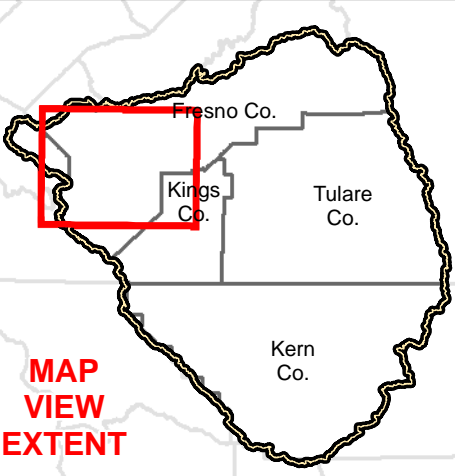
Westside San Joaquin  
IRWMA  
Consolidated Water Systems

**FIGURE 7-8**

**Legend**

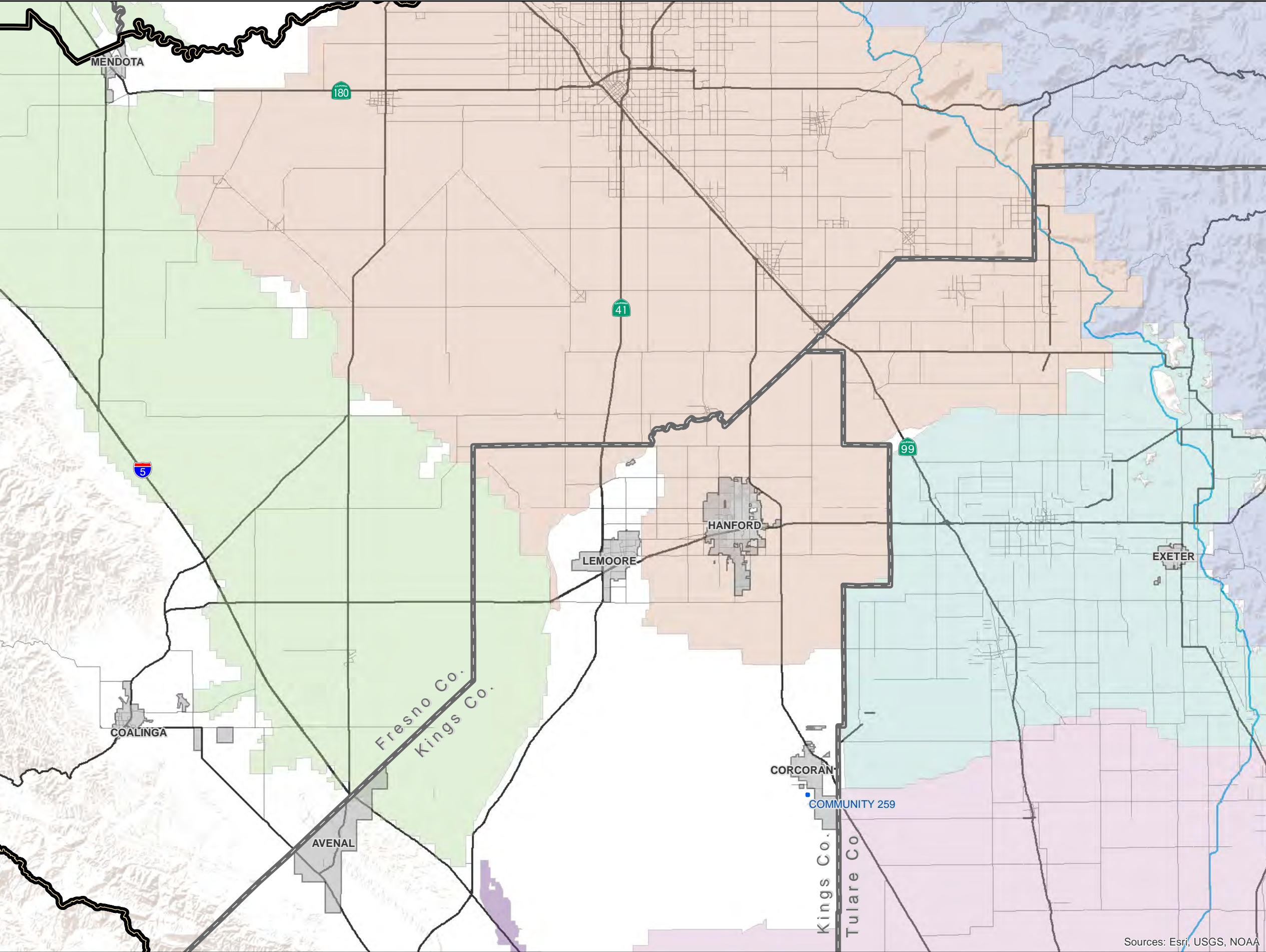
- Prop 1 Funding Area
- Westside San Joaquin IRWMA
- Communities That Have Consolidated With Another Water System \*
- City
- County
- Major Road
- Highway / Interstate
- Major Canal

*\*No Communities That Have Consolidated in this IRWMA*



Sources: Esri, USGS, NOAA





### Tulare Lake Basin Disadvantaged Community Water Study

Outside of IRWMA Boundaries  
Consolidated Water Systems

FIGURE 7-9

Legend

- Prop 1 Funding Area
- Communities That Have Consolidated With Another Water System
- City or Community Receiving Water System Consolidation
- County
- Major Road
- Highway / Interstate
- Major Canal

**IRWMA**

- Kaweah River Basin
- Kern County
- Kings Basin
- Southern Sierra
- Tule
- Westside - San Joaquin

**MAP  
VIEW  
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Sources: Esri, USGS, NOAA

## 7.2 Mandatory Consolidation

Effective June 24, 2015, [Senate Bill 88](#) (Statutes 2015, Chapter 27) added sections 116680-116684 to the California Health and Safety Code, allowing the SWRCB to require certain water systems that consistently fail to provide safe drinking water to consolidate with, or receive an extension of service from, another public water system. The consolidation can be physical or managerial. The changes to the Health and Safety Code give the Division of Drinking Water authority to mandate such consolidations or extension of service following a series of specific actions. The Division of Drinking Water will issue letters to water systems to consolidate with, or seek an extension of service, from a public water system. The recipients of such letters have up to six months from the date the letter is issued to voluntarily consolidate with, or receive extension of service from, a public water system. As letters to public water systems are issued, they are made publicly available. SWRCB is currently or has pursued mandatory consolidation or extension of service for the following DACs, as identified on the SWRCB website (See Table 7-2 below). The last entity listed in the table for each consolidation is the potential receiving water system.

Table 7-2. Mandatory Consolidation or Extension of Service for DACs

Water Systems	6-Month Consolidation Letter	Public Meeting Date <sup>2</sup>	Public Hearing Date <sup>2</sup>	Mandatory Consolidation Order	Resolved to Consolidate Voluntarily
East Orosi CSD	7/13/2018	10/22/2018			
Orosi Public Utility District					
Desert Breeze Mobile Home Estates	4/6/2018	6/12/2018	9/5/2018		
Rosamond CSD					
60th Street Assoc. Water System	12/15/2017	6/12/2018	9/5/2018		
First Mutual Water System					
Lucky 18 on Rosamond, LLC					
Rosamond Mobile Home Park					
Rosamond School Water System					
Rosamond CSD					
MD#08 North Fork	11/16/2017				✓
North Fork Union School					
Yosemite High School	10/24/2017				✓
Hillview Water Company					
Ceres West Mobile Home Park	8/23/2017	5/30/2018	10/1/2018		
City of Ceres <sup>3</sup>					
South Kern Mutual Water Company	11/15/2016	7/10/2017	9/7/2017	<a href="#">9/27/2018</a>	
City of Bakersfield					



Water Systems	6-Month Consolidation Letter	Public Meeting Date <sup>2</sup>	Public Hearing Date <sup>2</sup>	Mandatory Consolidation Order	Resolved to Consolidate Voluntarily
Black Rascal Water Company	9/22/2016	12/8/2016		Note: Determined not to be DAC. Mandatory consolidation ceased.	
City of Merced					
Lakeside School	6/15/2016	2/16/2017	7/11/2017		
City of Bakersfield					
Old River Mutual Water Company	6/15/2016	7/10/2017	9/7/2017	<a href="#">9/27/2018</a>	
City of Bakersfield					
Madera County Maintenance District #19 Parkwood	6/15/2016				✓
City of Madera					
Pratt Mutual Water Company	8/15/2015	3/3/2016	3/17/2016	<a href="#">3/29/2016</a>	
City of Tulare					
Souls Mutual Water Company <sup>4</sup>	8/18/2015	11/14/2017	11/28/2017		✓
City of Tulare					

<sup>1</sup>As defined in SB 88

<sup>2</sup>Meeting completed or scheduled

<sup>3</sup>Voluntary negotiation period extended due to City's 1,2,3-TCP violation.

<sup>4</sup>As an interim measure Souls MWC is purchasing water from the City of Tulare through a wholesale agreement.

## 7.3 Potential Consolidation

In addition to those mandatory consolidations, Table 7-3 provides a summary of water systems serving DACs with water quality or quantity issues that are currently evaluating the feasibility of consolidation or are in a construction project for consolidation through the SWRCB, Division of Financial Assistance. This table is only for those DACs that are within the TKFA. The SWRCB website has a listing of additional water systems evaluating the feasibility of consolidation.

Table 7-3. Potential Consolidation for DACs with Water System Violations

System No.	System Name	Population	County	Compliance Issue	Receiving System	Approximate Consolidation Distance (miles)
<b>CONSOLIDATION PROJECTS FOR DISADVANTAGED COMMUNITIES WITH VIOLATIONS, POTENTIAL MANDATORY CONSOLIDATION PROJECTS</b>						
1500096	Old River Mutual Water Company	48	Kern	Uranium	City of Bakersfield	1.0
1500344	South Kern Mutual Water Company	32	Kern	Uranium	City of Bakersfield	1.0
1502154	Lakeside School	800	Kern	Arsenic	City of Bakersfield	3.0

Section Seven: Consolidated Systems  
Preliminary Needs Assessment

System No.	System Name	Population	County	Compliance Issue	Receiving System	Approximate Consolidation Distance (miles)
<b>SWRCB FUNDED CONSOLIDATION PROJECTS FOR DISADVANTAGED COMMUNITIES WITH VIOLATIONS, ACTIVE PLANNING PHASE OR FUNDING AGREEMENT ANTICIPATED IN OR BEFORE 2018</b>						
1510023	Lake of the Woods Mutual Water Company	945	Kern	Nitrate, Fluoride, water shortage	Frazier Park PUD	2.0 - 2.5
1500459	Lake of the Woods Mobile Village	82	Kern	Nitrate	Frazier Park PUD	2.0 - 2.5
5401003	East Orosi CSD	700	Tulare	Nitrate	Orosi Public Utilities District	1.5
<b>SWRCB FUNDED CONSOLIDATION PROJECTS FOR DISADVANTAGED COMMUNITIES WITH UNSAFE WATER, CONSTRUCTION PROJECTS</b>						
1000276	Orange Center School	410	Fresno	Lead	City of Fresno	1.5
1000221	Washington Union High School	1000	Fresno	Gross Alpha	Washington Colony School	0.5
1000407	George Cox Water System	40	Fresno	DBCP	City of Reedley	0.25
5400655	Central Mutual Water Company	112	Tulare	Water Shortage	City of Porterville	0.5
5400651	Beverly Grand Mutual Water Company	108	Tulare	Nitrate	City of Porterville	0



## 8 Private Well Communities

Private well communities are communities that were identified through the TLB Study and local knowledge, which do not have a Public Water System Identification (PWSID) number. Generally, a community is assumed to be at least 15 homes, however some of the private well communities shown in Table 8-1 only have 8 to 10 homes. Fifty-six (56) private well communities have been identified in the TKFA, as shown in Figure 8-1 through Figure 8-9. Private well communities face unique challenges and are more susceptible than most community water systems to changes in groundwater conditions, drought impacts, and water quality concerns. This is primarily due to the shallow nature of most private wells.

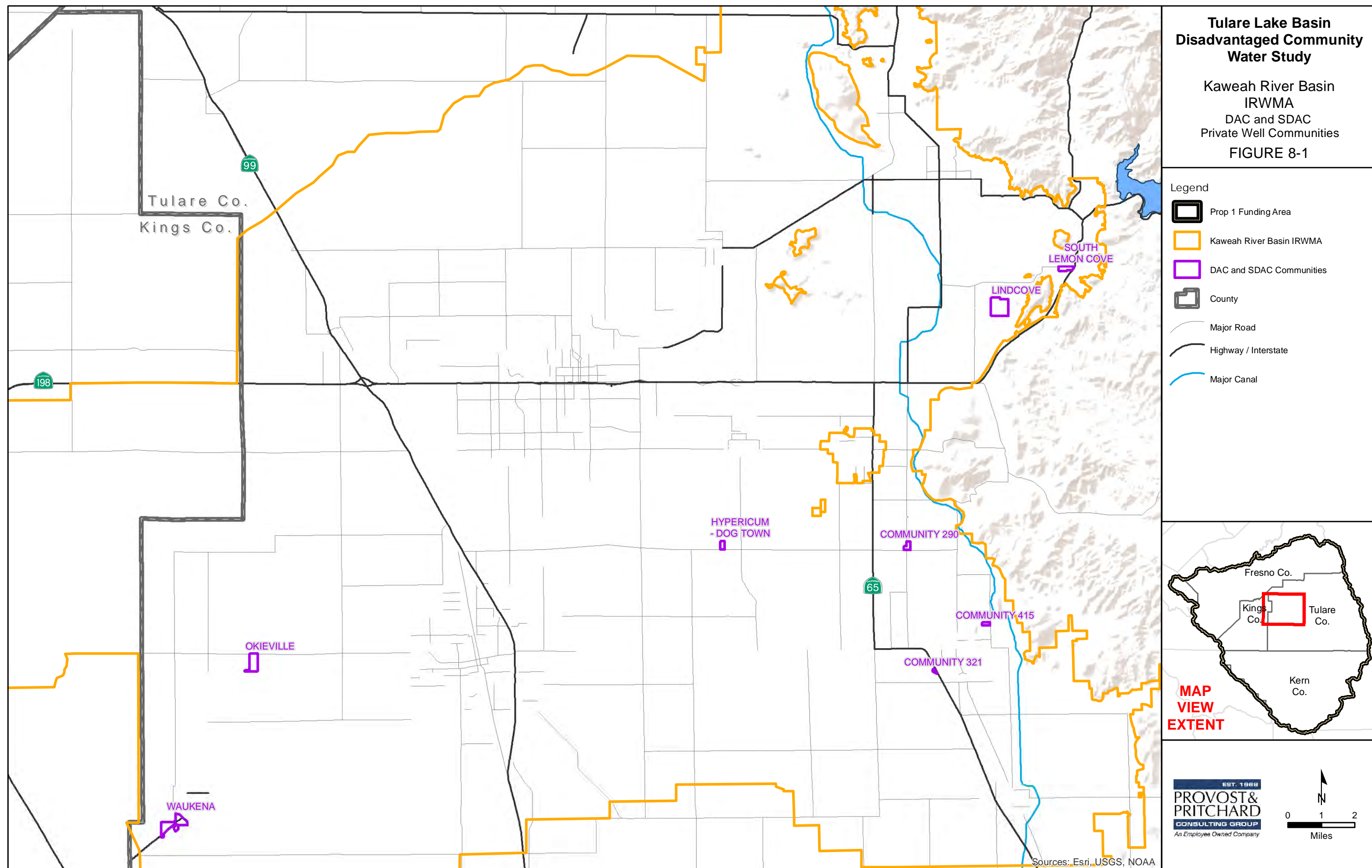
Table 8-1. Disadvantaged Communities – Private Well Communities

COMMUNITY NAME	POPULATION	CONNECTIONS	COUNTY	IRWM
COMMUNITY 290	69	21	TULARE	KAWEAH
COMMUNITY 321	33	10	TULARE	KAWEAH
COMMUNITY 415	50	15	TULARE	KAWEAH
HYPERICUM - DOG TOWN	132	40	TULARE	KAWEAH
LINDCOVE	500	100	TULARE	KAWEAH
OKIEVILLE	231	70	TULARE	KAWEAH
SOUTH LEMON COVE	243	105	TULARE	KAWEAH
WAUKENA	99	30	TULARE	KAWEAH
COMMUNITY 2751	165	50	KERN	KERN
COMMUNITY 362	36	11	KERN	KERN
COMMUNITY 392	594	180	KERN	KERN
COMMUNITY 421	33	10	KERN	KERN
HAVILAH	79	24	KERN	KERN
WOODY	116	35	KERN	KERN
ALKALI FLATS	100	100	FRESNO	KINGS BASIN
BRITTEN	89	27	FRESNO	KINGS BASIN
BURREL	16	16	FRESNO	KINGS BASIN
COMMUNITY 152	877	266	FRESNO	KINGS BASIN
COMMUNITY 168	69	21	FRESNO	KINGS BASIN
COMMUNITY 173	49	13	FRESNO	KINGS BASIN
COMMUNITY 178	148	45	FRESNO	KINGS BASIN
COMMUNITY 180	59	18	FRESNO	KINGS BASIN
COMMUNITY 186	59	18	FRESNO	KINGS BASIN
COMMUNITY 192	33	10	FRESNO	KINGS BASIN
COMMUNITY 197	49	15	FRESNO	KINGS BASIN
COMMUNITY 204	66	20	FRESNO	KINGS BASIN
COMMUNITY 214	42	13	FRESNO	KINGS BASIN
COMMUNITY 215	53	16	FRESNO	KINGS BASIN
COMMUNITY 216	63	19	FRESNO	KINGS BASIN
COMMUNITY 219	49	15	FRESNO	KINGS BASIN
COMMUNITY 235	72	22	FRESNO	KINGS BASIN
COMMUNITY 236	35	10	FRESNO	KINGS BASIN

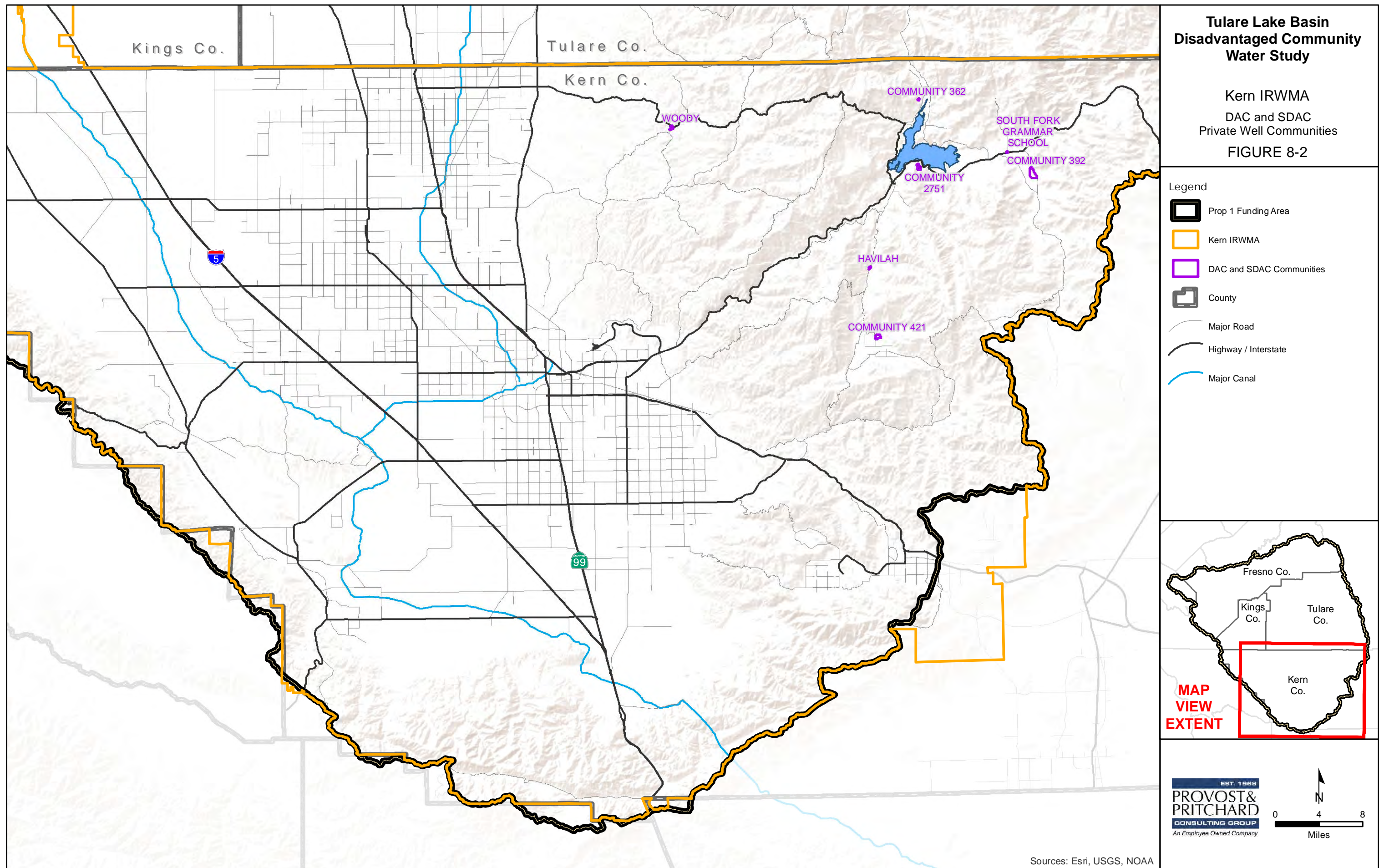
Section Eight: Private Well Communities  
Preliminary Needs Assessment

DALEVILLE	138	42	FRESNO	KINGS BASIN
DOUBLE L NEIGHBORHOOD	70	35	FRESNO	KINGS BASIN
MONMOUTH	120	37	FRESNO	KINGS BASIN
PERRY COLONY	50	50	FRESNO	KINGS BASIN
ROLINDA	20	20	FRESNO	KINGS BASIN
COMMUNITY 477	132	40	KERN	POSO CREEK
COMMUNITY 478	792	240	KERN	POSO CREEK
IDLEWILD	55	24	TULARE	SOUTHERN SIERRA
MCCLENNEY TRACT	10	10	TULARE	SOUTHERN SIERRA
POSEY	79	24	TULARE	SOUTHERN SIERRA
COMMUNITY 330	63	19	TULARE	TULE
COMMUNITY 332	59	18	TULARE	TULE
COMMUNITY 340	116	35	TULARE	TULE
COMMUNITY 342	36	11	TULARE	TULE
MULBERRY ISLAND	455	138	TULARE	TULE
PLANO	241	73	TULARE	TULE
TRACTS 24 - 41	393	119	TULARE	TULE
TRACTS 66 - 90 - 127 - 557	412	125	TULARE	TULE
TRICO OIL ACRES COLONIA	89	27	TULARE	TULE
FARM 1	50	15	FRESNO	WESTSIDE SJ
FARM 2	20	8	FRESNO	WESTSIDE SJ
FARM 3	20	8	FRESNO	WESTSIDE SJ
COMMUNITY 241	165	50	FRESNO	Outside of IRWM
SANTA ROSA INDIAN COMMUNITY OF THE SANTA ROSA RANCHERIA	777	233	KINGS	Outside of IRWM

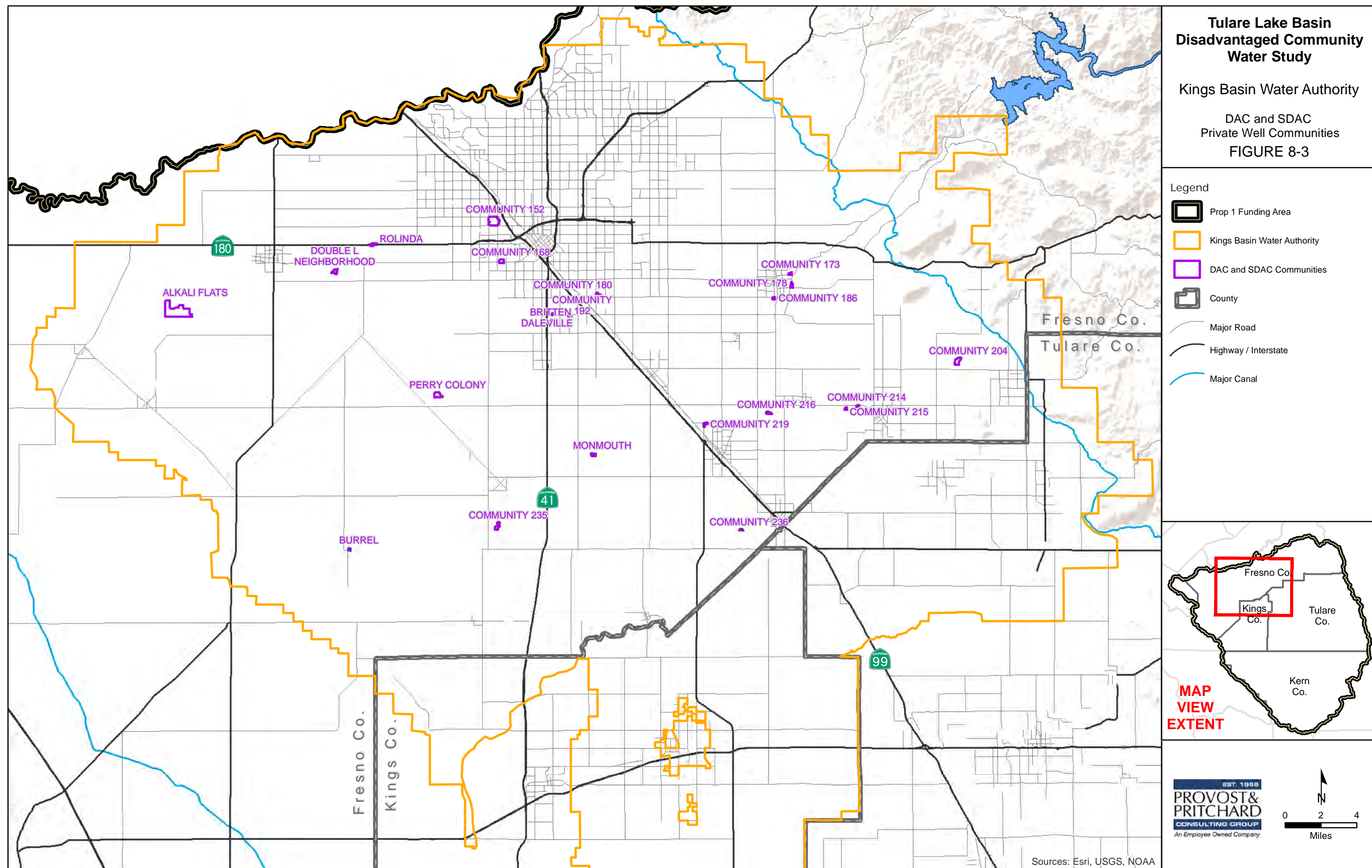


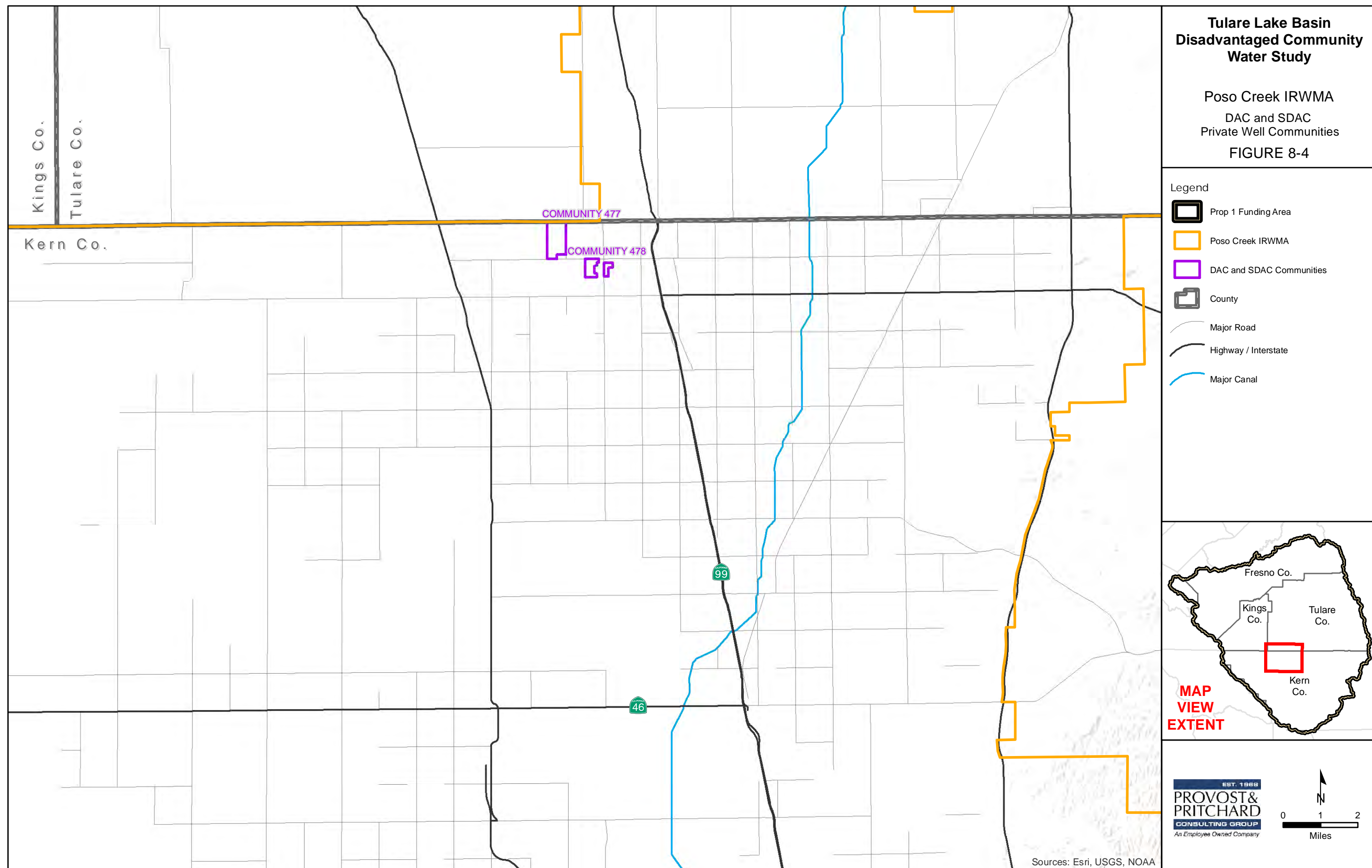




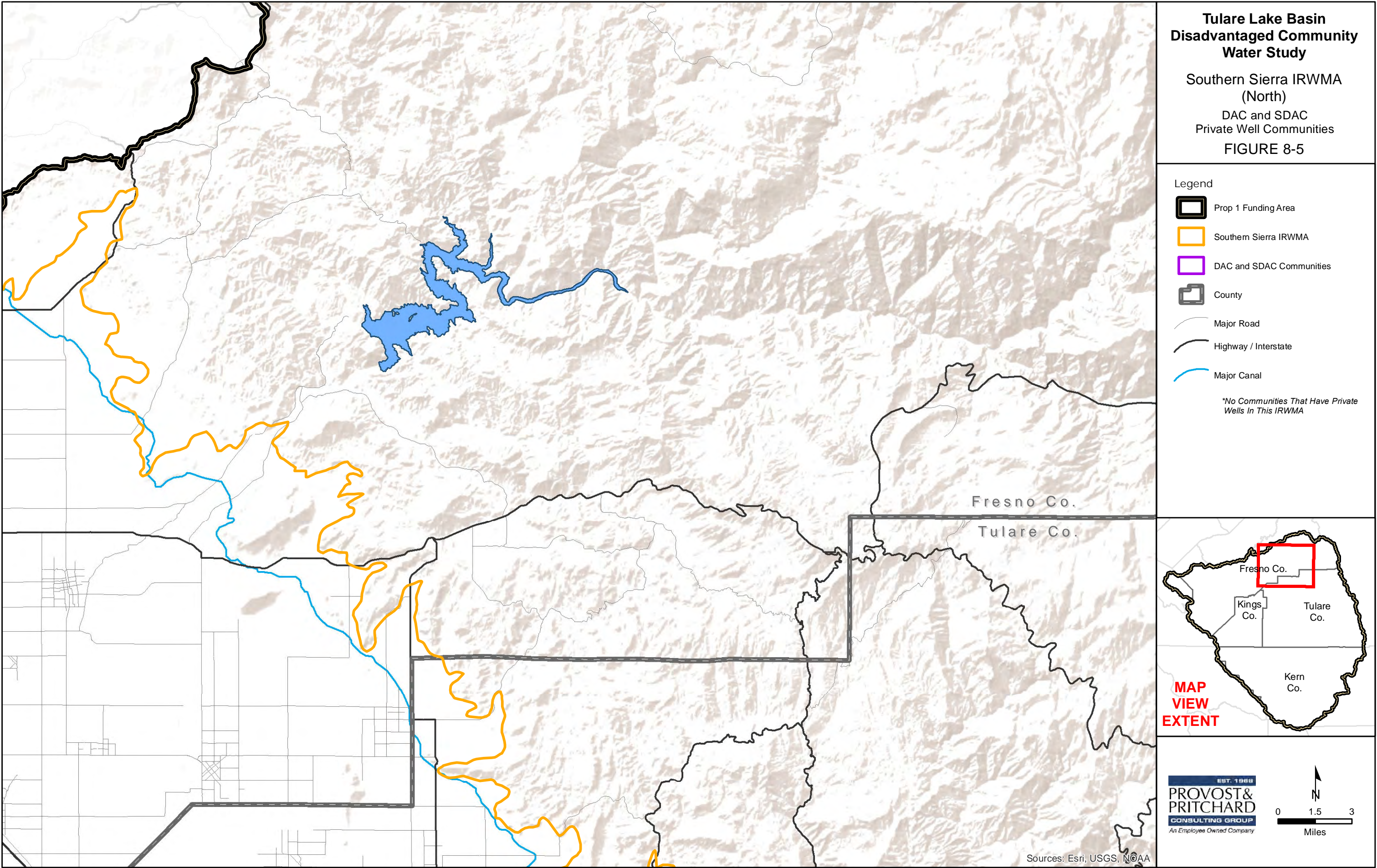




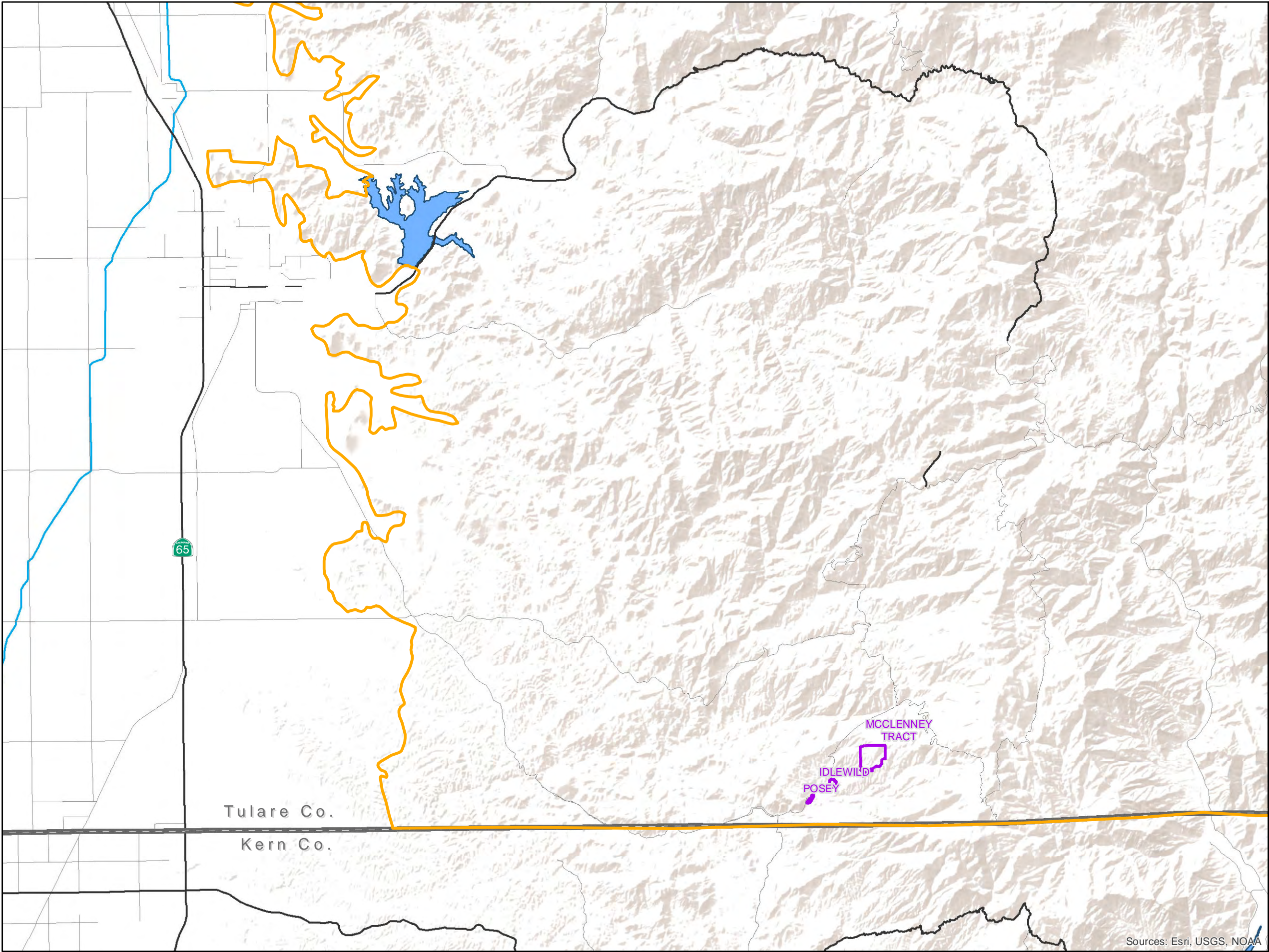



















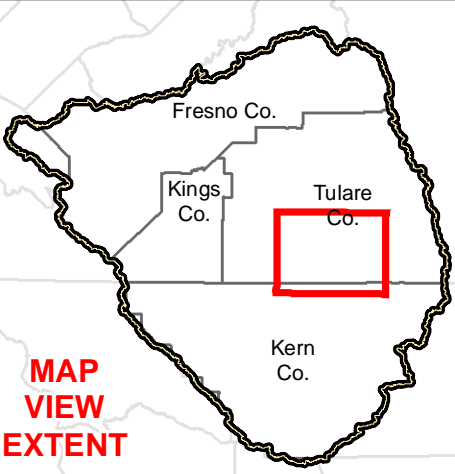
**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

Southern Sierra IRWMA  
(South)

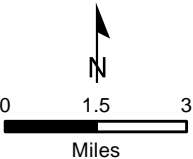
DAC and SDAC  
Private Well Communities

**FIGURE 8-6**

- Legend
-  Prop 1 Funding Area
  -  Southern Sierra IRWMA
  -  DAC and SDAC Communities
  -  County
  -  Major Road
  -  Highway / Interstate
  -  Major Canal

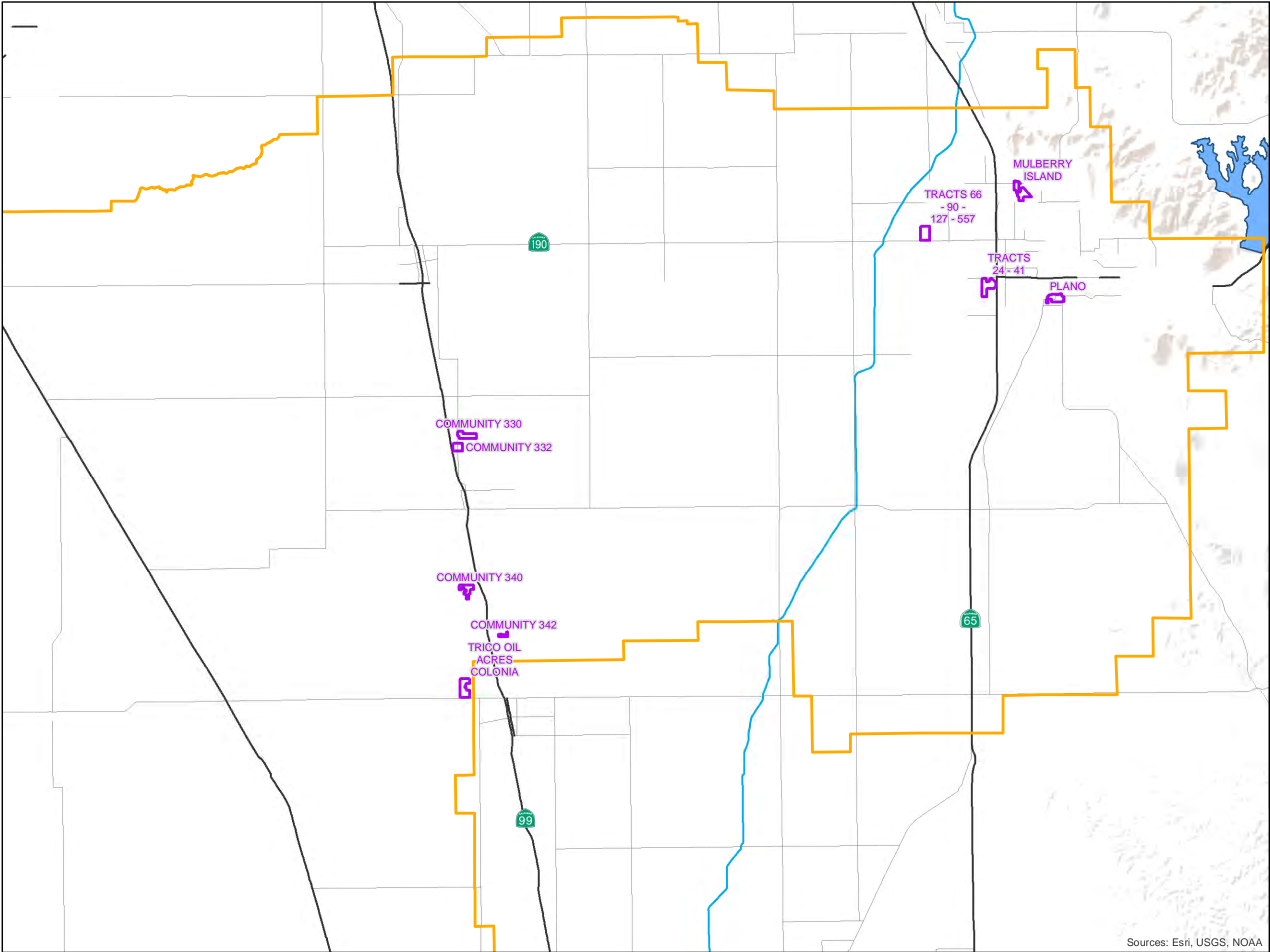


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Sources: Esri, USGS, NOAA





**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

Tule River Basin  
IRWMA

DAC and SDAC  
Private Well Communities

**FIGURE 8-7**

Legend

- Prop 1 Funding Area
- Tule River Basin IRWMA
- DAC and SDAC Communities
- County
- Major Road
- Highway / Interstate
- Major Canal

**MAP  
VIEW  
EXTENT**

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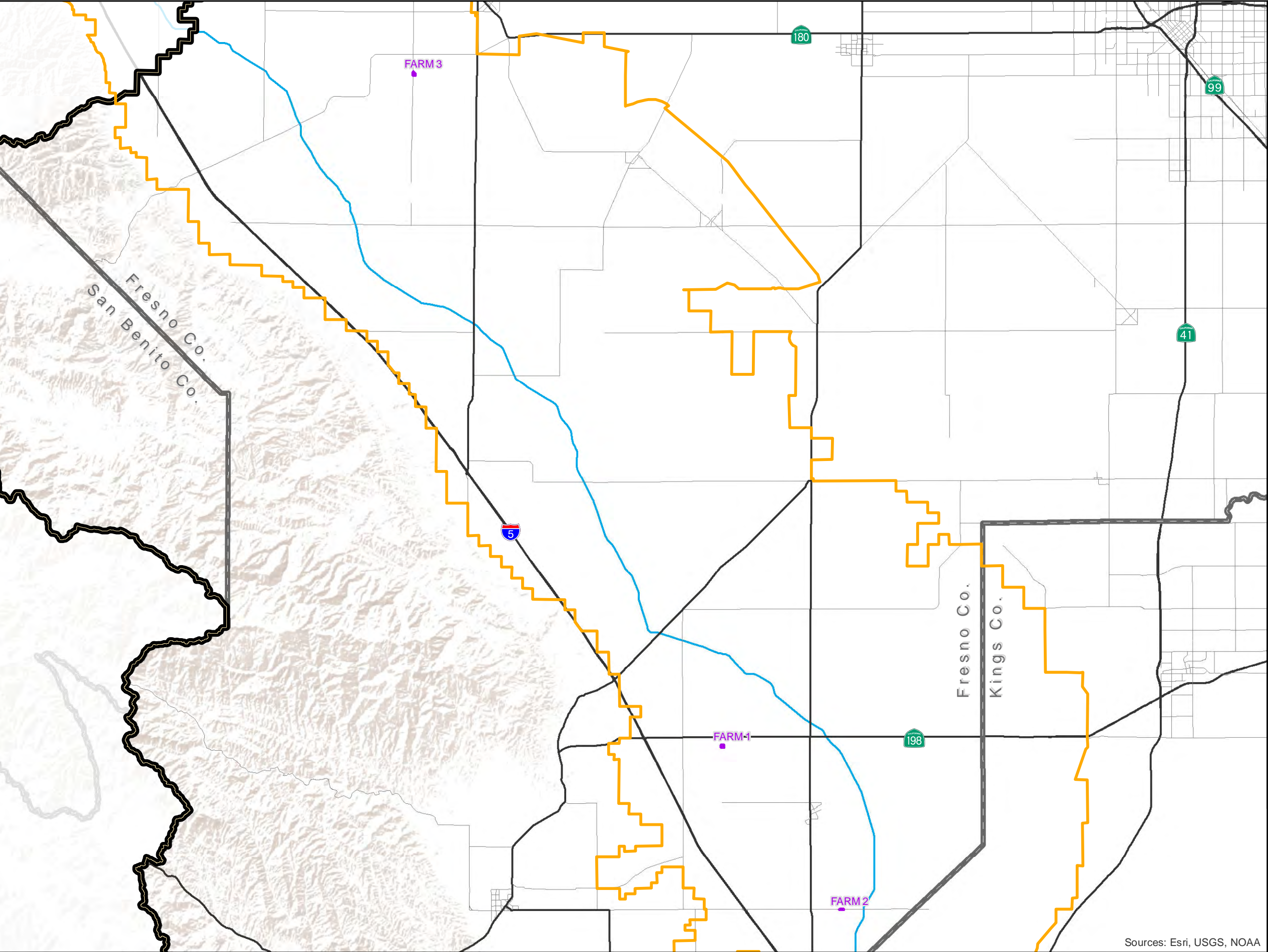
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Sources: Esri, USGS, NOAA



**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

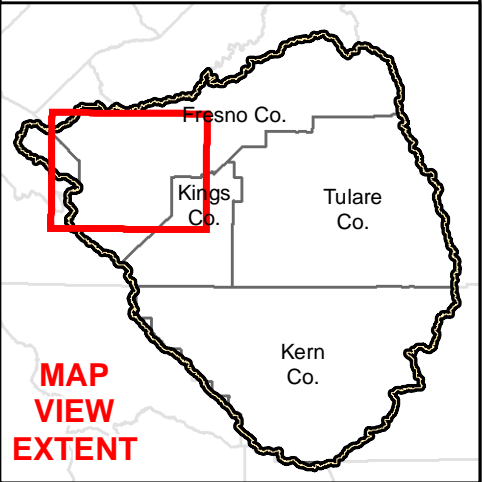
Westside San Joaquin  
IRWMA

DAC and SDAC  
Private Well Communities

**FIGURE 8-8**

**Legend**

- Prop 1 Funding Area
- Westside San Joaquin IRWMA
- DAC and SDAC Communities
- County
- Major Road
- Highway / Interstate
- Major Canal



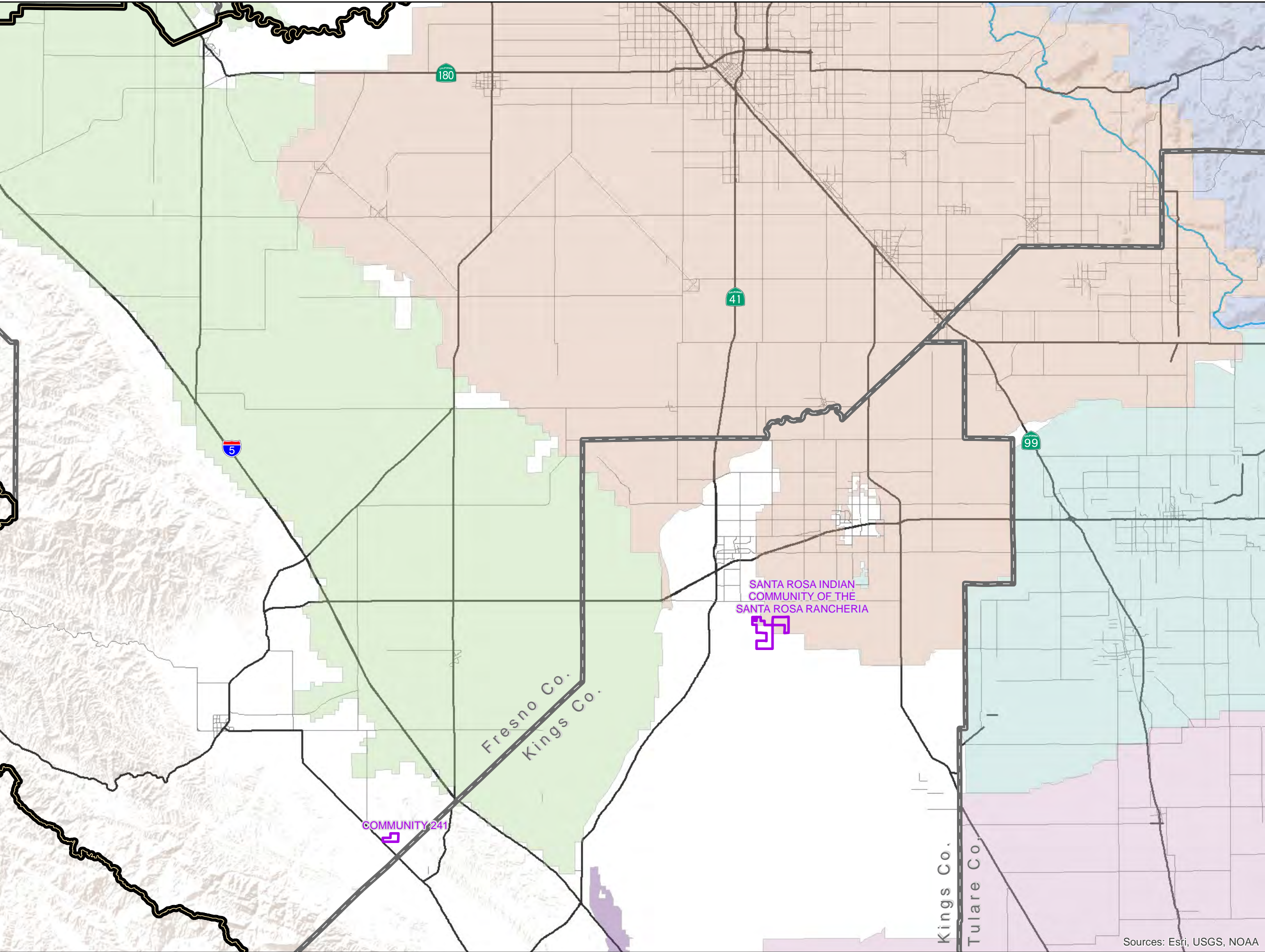
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Sources: Esri, USGS, NOAA





**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

DAC and SDAC  
Private Well Communities  
Outside of IRWMA Boundaries

FIGURE 8-9

Legend

- Prop 1 Funding Area
- DAC and SDAC Communities
- County
- Major Road
- Highway / Interstate
- Major Canal

**IRWMA**

- Kaweah River Basin
- Kern County
- Kings Basin
- Southern Sierra
- Tule
- Westside - San Joaquin

**MAP  
VIEW  
EXTENT**

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Sources: Esri, USGS, NOAA

## 9 Groundwater Level

[Future Section – not included in Preliminary Needs Assessment]



# 10 Surface Water Rights

[Future Section – not included in Preliminary Needs Assessment]

# 11 Wastewater Treatment Facilities

## 11.1 Wastewater Treatment Facilities

In addition to the source water issues faced by DACs in the Funding Area, many communities also face issues with their wastewater. Wastewater challenges include reliance on septic systems that may be failing or potentially contaminating the groundwater, failing or insufficient sewer collection systems, or wastewater treatment systems that are not capable of meeting the limitations set forth in the facility's Waste Discharge Requirements (WDRs).

There are approximately 97 Wastewater Treatment Facilities (WWTFs) with active Waste Discharge Requirements (WDRs) or National Pollutant Discharge Elimination System (NPDES) permits in the TKFA. This includes both DAC and non-DAC communities, cities and county service areas. Of the active WWTFs, approximately 42 have had enforcement actions in the past five years. The Final Needs Assessment will include an assessment of the type of enforcement actions that have been issued.

## 11.2 CV-SALTS

On 31 May 2018, the Central Valley Regional Water Quality Control Board adopted Resolution R5-2018-0034, Amendments to the Water Quality Control Plans for the Sacramento River and San Joaquin River Basins and the Tulare Lake Basin to Incorporate a Central Valley-Wide Salt and Nitrate Control Program.

The State Water Resources Control Board has not yet approved the amendment. However, approval of this amendment could impact waste discharge requirements throughout the TKFA.

The Salt and Nitrate Management Program (SNMP), developed through the CV-SALTS initiative, proposes the establishment of an overarching framework for managing salt and nitrate in the Central Valley. The SNMP goals are prioritized to recognize the need to focus limited resources on the most important water quality concerns. The goals are as follows:

1. Ensure a safe drinking water supply;
2. Achieve balanced salt and nitrate loadings; and
3. Implement long-term and managed aquifer restoration programs where reasonable, feasible and practicable.



Section Eleven: Wastewater Treatment Facilities  
Preliminary Needs Assessment

Table 11-1. Wastewater Treatment Facilities

Community Name	Agency	DAC Status	County	IRWMP	Design Flow (mgd)	Enforcement Actions within 5 Years (#)
FARMERSVILLE	FARMERSVILLE CITY	SDAC	TULARE	KAWEAH	1.25	1
IVANHOE	IVANHOE PUD	SDAC	TULARE	KAWEAH	0.56	0
LEMON COVE	LEMON COVE SANITARY DISTRICT	DAC	TULARE	KAWEAH	0.02	1
LINDSAY	LINDSAY CITY	SDAC	TULARE	KAWEAH	1.24	1
LINNELL FARM LABOR CENTER	TULARE CNTY HOUSING AUTHORITY	SDAC	TULARE	KAWEAH	0.13	0
SIERRA SHADOWS MOBILE MANOR	SIERRA SHADOWS MHP	SDAC	TULARE	KAWEAH	0.009	0
STRATHMORE	STRATHMORE PUD	SDAC	TULARE	KAWEAH	0.4	0
TOOLEVILLE	TULARE CNTY RMA	SDAC	TULARE	KAWEAH	0.035	1
TULARE	TULARE CITY	DAC	TULARE	KAWEAH	16	0
VISALIA	VISALIA CITY	NOT DAC	TULARE	KAWEAH	18	3
WOODLAKE	WOODLAKE CITY	SDAC	TULARE	KAWEAH	1.38	0
ARVIN	ARVIN CITY	SDAC	KERN	KERN	1.45	1
BAKERSFIELD	BAKERSFIELD CITY (WWTP #2)	NOT DAC	KERN	KERN	25	0
BAKERSFIELD	BAKERSFIELD CITY (WWTP #3)	NOT DAC	KERN	KERN	16	0
BEAR VALLEY	BEAR VALLEY CSD	NOT DAC	KERN	KERN	0.25	1
BUTTONWILLOW	BUTTONWILLOW CWD	SDAC	KERN	KERN	0.2	1
GOLDEN HILLS	GOLDEN HILLS SANITATION CO, INC	NOT DAC	KERN	KERN	0.046	2
KEENE	STONYBROOK CORPORATION	DAC	KERN	KERN	0.028	0
LAKE ISABELLA	LIWW, LLC	SDAC	KERN	KERN	0.049	0
LAMONT	LAMONT PUD	SDAC	KERN	KERN	2.0	0
LOST HILLS	LOST HILLS UTILITY DISTRICT	SDAC	KERN	KERN	0.2	0
MARICOPA	MARICOPA CITY	SDAC	KERN	KERN	0.2	0
REEDER TRACT	KERN COUNTY PUBLIC WORKS	SDAC	KERN	KERN	0.04	0
STALLION SPRINGS	STALLION SPRINGS CMSD	NOT DAC	KERN	KERN	0.1	4
STOCO	STOCO MUTUAL WATER & SEWER CO	DAC	KERN	KERN	0.05	0

Section Eleven: Wastewater Treatment Facilities  
Preliminary Needs Assessment

Community Name	Agency	DAC Status	County	IRWMP	Design Flow (mgd)	Enforcement Actions within 5 Years (#)
TAFT	TAFT CITY	DAC	KERN	KERN	1.5	0
TEHACHAPI	TEHACHAPI CITY	DAC	KERN	KERN	0.85	0
BAKERSFIELD (EASTERN)	KERN SANITATION AUTHORITY	NOT DAC	KERN	KERN	7	0
ARMONA	ARMONA CSD	DAC	KINGS	KINGS BASIN	0.4	1
BIOLA	BIOLA CSD	SDAC	FRESNO	KINGS BASIN	0.2	2
CARUTHERS	CARUTHERS CSD	DAC	FRESNO	KINGS BASIN	0.37	1
CLOVIS	CLOVIS CITY	NOT DAC	FRESNO	KINGS BASIN	2.8	1
CUTLER	CUTLER-OROSI JOINT POWERS WW AUTHORITY	SDAC	TULARE	KINGS BASIN	1.5	5
DEL REY	DEL REY CSD	SDAC	FRESNO	KINGS BASIN	0.2	1
DELFT COLONY	TULARE CNTY RMA	SDAC	TULARE	KINGS BASIN	0.0572	1
DINUBA	DINUBA CITY	SDAC	TULARE	KINGS BASIN	3	0
FRESNO	FRESNO CITY DEPARTMENT OF PUBLIC WORKS	DAC	FRESNO	KINGS BASIN	88	0
KERMAN	KERMAN CITY	DAC	FRESNO	KINGS BASIN	1.2	1
LATON	LATON CSD	SDAC	FRESNO	KINGS BASIN	0.2	0
LONDON	LONDON CSD	SDAC	TULARE	KINGS BASIN	0.3	0
MALAGA	MALAGA CWD	DAC	FRESNO	KINGS BASIN	1.2	9
MONTE VERDI	FRESNO COUNTY	NOT DAC	FRESNO	KINGS BASIN	0.0325	1
ORANGE COVE	ORANGE COVE CITY	SDAC	FRESNO	KINGS BASIN	1	1
PARLIER	PARLIER CITY	SDAC	FRESNO	KINGS BASIN	2	0
QUAIL LAKE ESTATES	FRESNO COUNTY	NOT DAC	FRESNO	KINGS BASIN	0.16	1
REEDLEY	REEDLEY CITY	DAC	FRESNO	KINGS BASIN	5	0
RIVERBEND MHP	RMHP, LLC	NOT DAC	FRESNO	KINGS BASIN	0.02	2
RIVERDALE	RIVERDALE PUD	DAC	FRESNO	KINGS BASIN	0.325	0
SAN JOAQUIN	SAN JOAQUIN CITY	SDAC	FRESNO	KINGS BASIN	0.5	1
SANGER	SANGER CITY	DAC	FRESNO	KINGS BASIN	2.9	1
SELMA	SELMA-KINGSBURG-FOWLER CSD	DAC	FRESNO	KINGS BASIN	8	1
SHADY LAKES MHP	MYERS, DON	SDAC	FRESNO	KINGS BASIN	0.017	0
SHERWOOD FOREST MHP	SHERWOOD MHP	NOT DAC	FRESNO	KINGS BASIN	0.015	0
TRANQUILLITY	TRANQUILLITY PUD	SDAC	FRESNO	KINGS BASIN	0.12	1



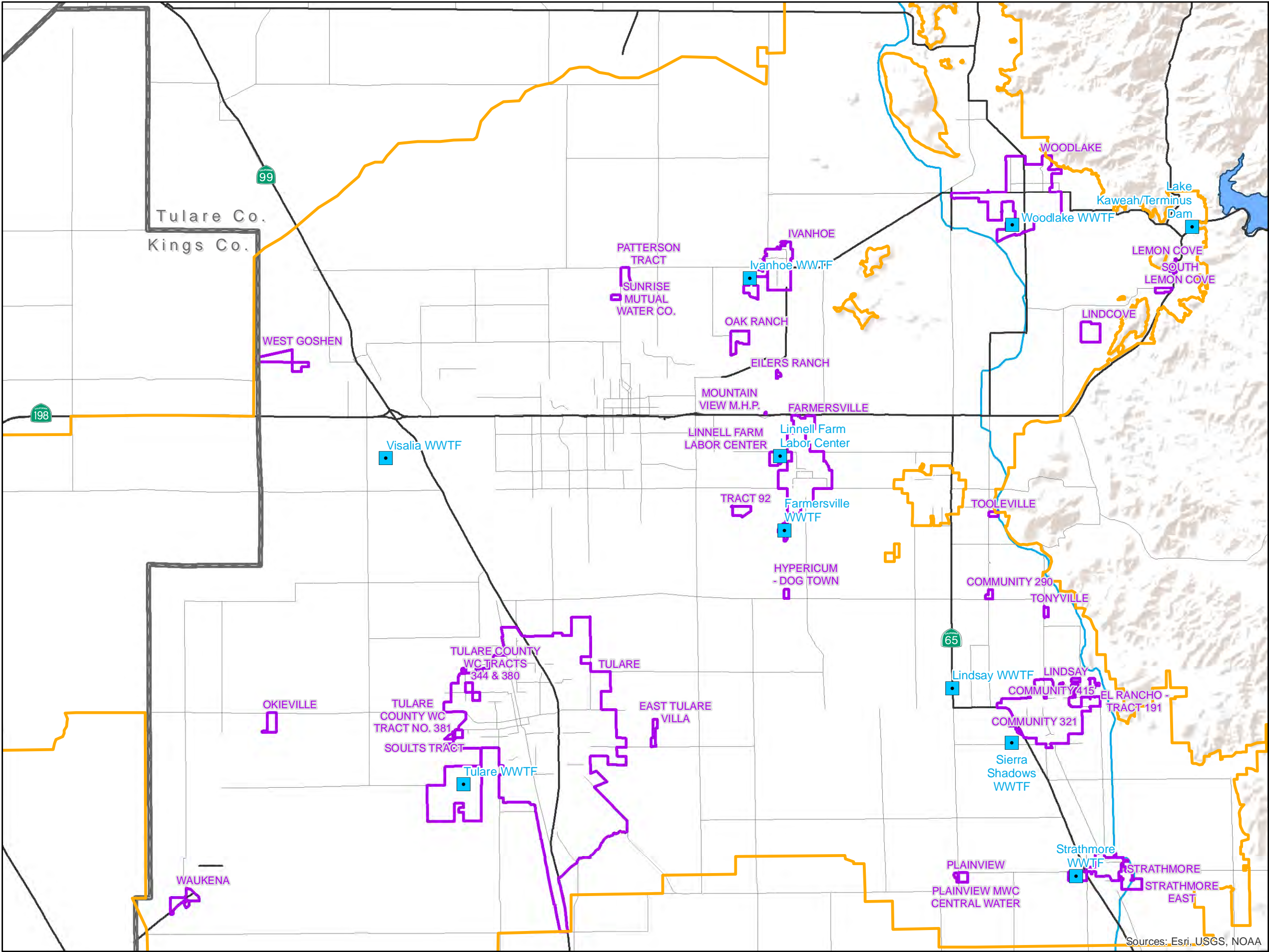
Section Eleven: Wastewater Treatment Facilities  
Preliminary Needs Assessment

Community Name	Agency	DAC Status	County	IRWMP	Design Flow (mgd)	Enforcement Actions within 5 Years (#)
TRAVER	TULARE CNTY RMA	SDAC	TULARE	KINGS BASIN	0.088	1
WILDWOOD ISLAND	STINEHART, RICHARD	NOT DAC	FRESNO	KINGS BASIN	0.02	0
WOODWARD BLUFFS MHP	WOODWARD BLUFFS LLC	DAC	FRESNO	KINGS BASIN	0.04	0
DELANO	DELANO CITY	SDAC	KERN	POSO CREEK	7.2	0
EARLIMART	EARLIMART PUD	SDAC	TULARE	POSO CREEK	0.6	1
MCFARLAND	MCFARLAND CITY	SDAC	KERN	POSO CREEK	1.55	0
RICHGROVE	RICHGROVE CSD	DAC	TULARE	POSO CREEK	0.22	0
SHAFTER FARM LABOR CENTER	KERN CNTY HOUSING AUTHORITY	SDAC	KERN	POSO CREEK	0.028	0
WASCO	WASCO CITY	DAC	KERN	POSO CREEK	1.95	0
CALIFORNIA HOT SPRINGS	CALIFORNIA HOT SPRINGS WATER COMPANY	SDAC	TULARE	SOUTHERN SIERRA	0.015	1
DEL ORO RIVER ISLAND SERV TERR #1	RIVER ISLAND HOA	DAC	TULARE	SOUTHERN SIERRA	0.0565	0
HARTLAND	HARTLAND CHRISTIAN ASSOCIATION	SDAC	TULARE	SOUTHERN SIERRA	0.026	0
KINGS CANYON MOBILE HOME PARK	KINGS CANYON MOBILE HOME PARK	NOT DAC	FRESNO	SOUTHERN SIERRA	0.034	1
SEQUOIA DAWN APARTMENTS	OCEAN PARK MANOR LLC		TULARE	SOUTHERN SIERRA	0.045	3
SHAVER SPRINGS	FRESNO COUNTY	NOT DAC	FRESNO	SOUTHERN SIERRA	0.015	1
SPRINGVILLE	SPRINGVILLE PUD	SDAC	TULARE	SOUTHERN SIERRA	0.06	1
DEER CREEK RV PARK	DEER CREEK RV PARK	NOT DAC	TULARE	TULE	0.0078	0
LAKE SIDE TRAILER PARK	HANNAGAN, JOE & BRAD	SDAC	TULARE	TULE	0.017	0
PIXLEY	PIXLEY PUD	SDAC	TULARE	TULE	0.2	1
POPLAR	POPLAR CSD	SDAC	TULARE	TULE	0.34	0
PORTERVILLE	PORTERVILLE CITY	DAC	TULARE	TULE	8	0
TERRA BELLA	TERRA BELLA SEWER MD	SDAC	TULARE	TULE	0.1	1
TIPTON	TIPTON CSD	SDAC	TULARE	TULE	0.4	1
WOODVILLE	WOODVILLE PUD	SDAC	TULARE	TULE	0.33	0
WOODVILLE FARM LABOR CENTER	TULARE CNTY HOUSING AUTHORITY	SDAC	TULARE	TULE	0.12	0

Section Eleven: Wastewater Treatment Facilities  
Preliminary Needs Assessment

Community Name	Agency	DAC Status	County	IRWMP	Design Flow (mgd)	Enforcement Actions within 5 Years (#)
CANTUA CREEK	FRESNO COUNTY	SDAC	FRESNO	WESTSIDE SJ	0.061	0
COIT GINNING COMPANY	COIT GINNING COMPANY	SDAC	FRESNO	WESTSIDE SJ	0.1	0
EL PORVENIR	FRESNO COUNTY	SDAC	FRESNO	WESTSIDE SJ	0.045	1
FARMING D	PLOW & TILL	SDAC	FRESNO	WESTSIDE SJ	0.4	0
HARRIS FARMS CAMP C #501-523	HARRIS FARMS INC	DAC	FRESNO	WESTSIDE SJ	0.02	0
HURON	HURON CITY	SDAC	FRESNO	WESTSIDE SJ	1	0
PAPPA'S & CO (FARM HOUSING)	HARRIS FARMS INC dba HARRIS RANCH	DAC	FRESNO	WESTSIDE SJ	0.1	1
SOMMERVILLE RV PARK	SOMMERVILLE I-5 PARTNERSHIP	DAC	FRESNO	WESTSIDE SJ	0.0743	1
FARM 2	FAMILY RANCH, INC	DAC	FRESNO	WESTSIDE SJ	0.0022	0
AVENAL	AVENAL CITY	SDAC	KINGS	Outside of IRWM	1	1
COALINGA	COALINGA CITY	NOT DAC	FRESNO	Outside of IRWM	0.93	0
CORCORAN	CORCORAN CITY	SDAC	KINGS	Outside of IRWM	1.45	0
EXETER	EXETER CITY	DAC	TULARE	Outside of IRWM	1.07	0
HANFORD	HANFORD CITY	SDAC	KINGS	Outside of IRWM	8	0
KETTLEMAN CITY	KETTLEMAN CITY CSD	DAC	KINGS	Outside of IRWM	0.22	0
LEMOORE	LEMOORE CITY	DAC	KINGS	Outside of IRWM	2	1
LEMOORE NAS	US NAVY NAVAL AIR STATION LEMOORE		KINGS	Outside of IRWM	4	0
STRATFORD	STRATFORD PUD	SDAC	KINGS	Outside of IRWM	0.15	0





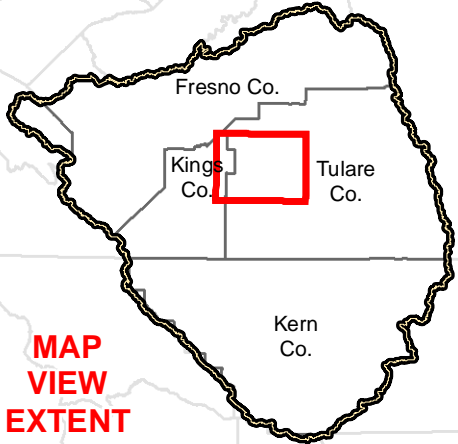
**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

Kaweah River Basin  
IRWMA  
Wastewater Treatment Facilities

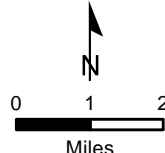
FIGURE 11-1

**Legend**

- Prop 1 Funding Area
- Kaweah River Basin IRWMA
- DAC and SDAC Communities
- Wastewater Treatment Facilities
- County
- Major Road
- Highway / Interstate
- Major Canal

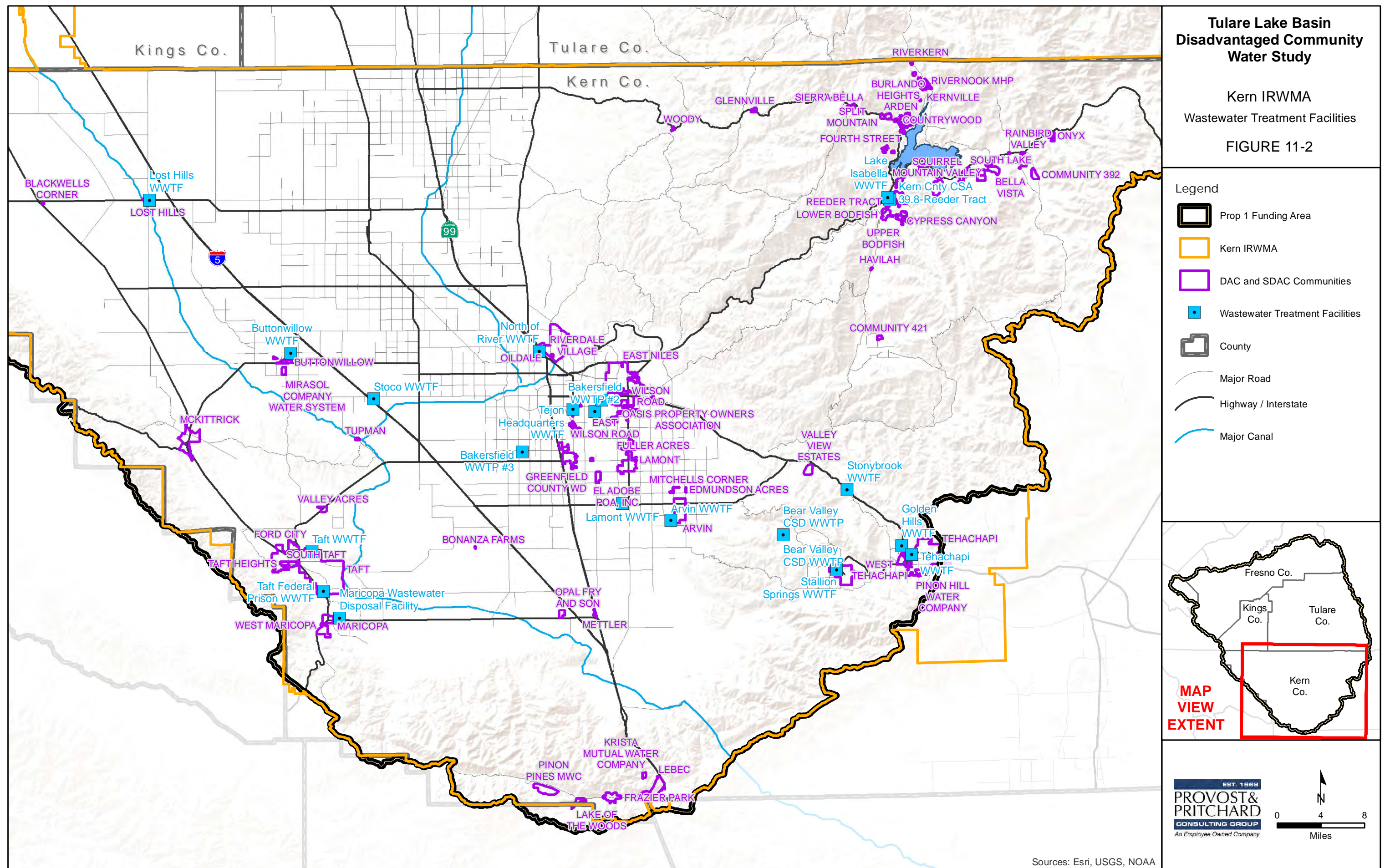


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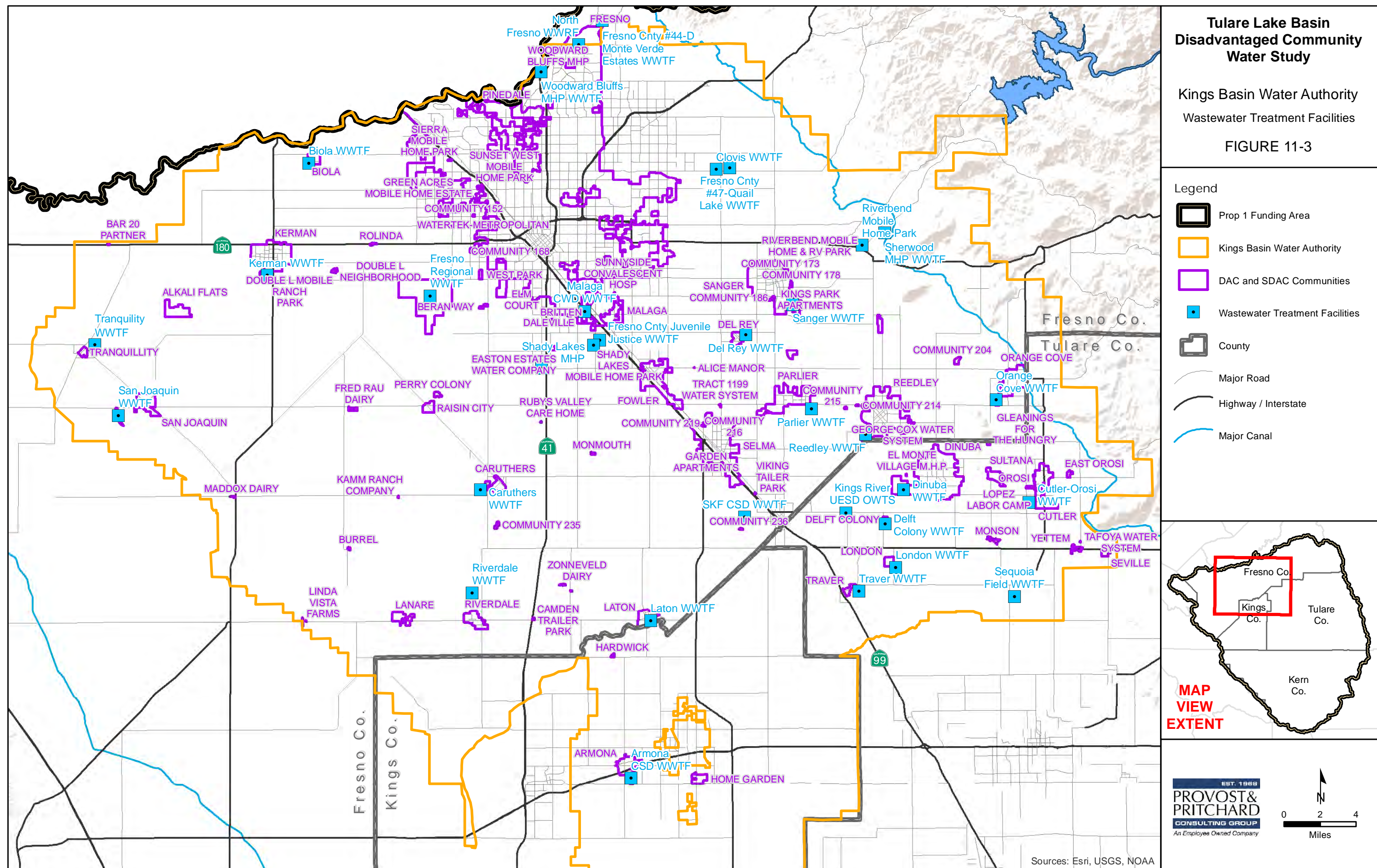


Sources: Esri, USGS, NOAA

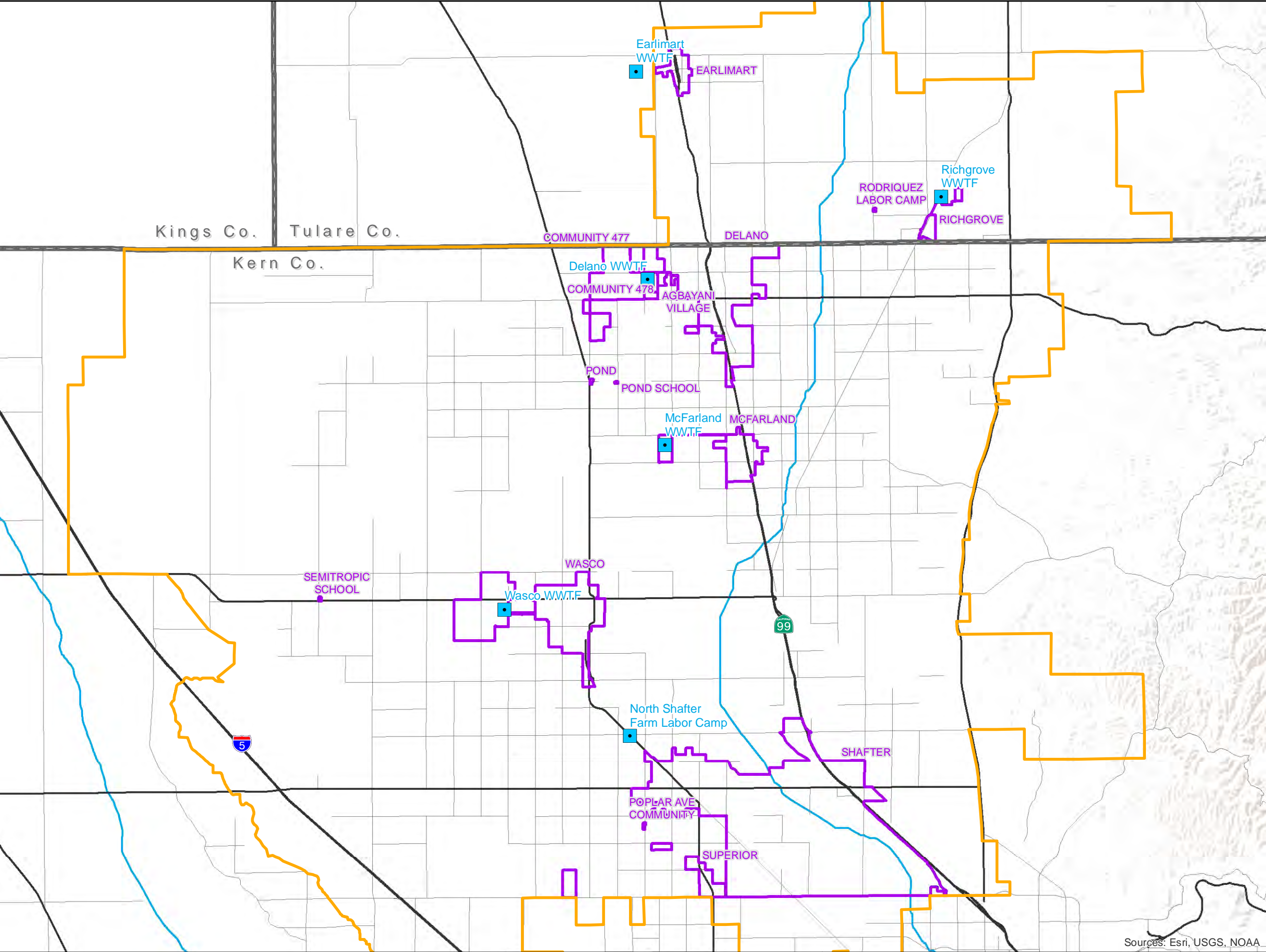










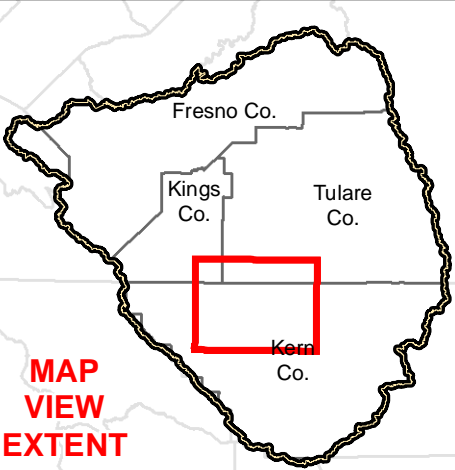


**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

Poso Creek IRWMA  
Wastewater Treatment Facilities

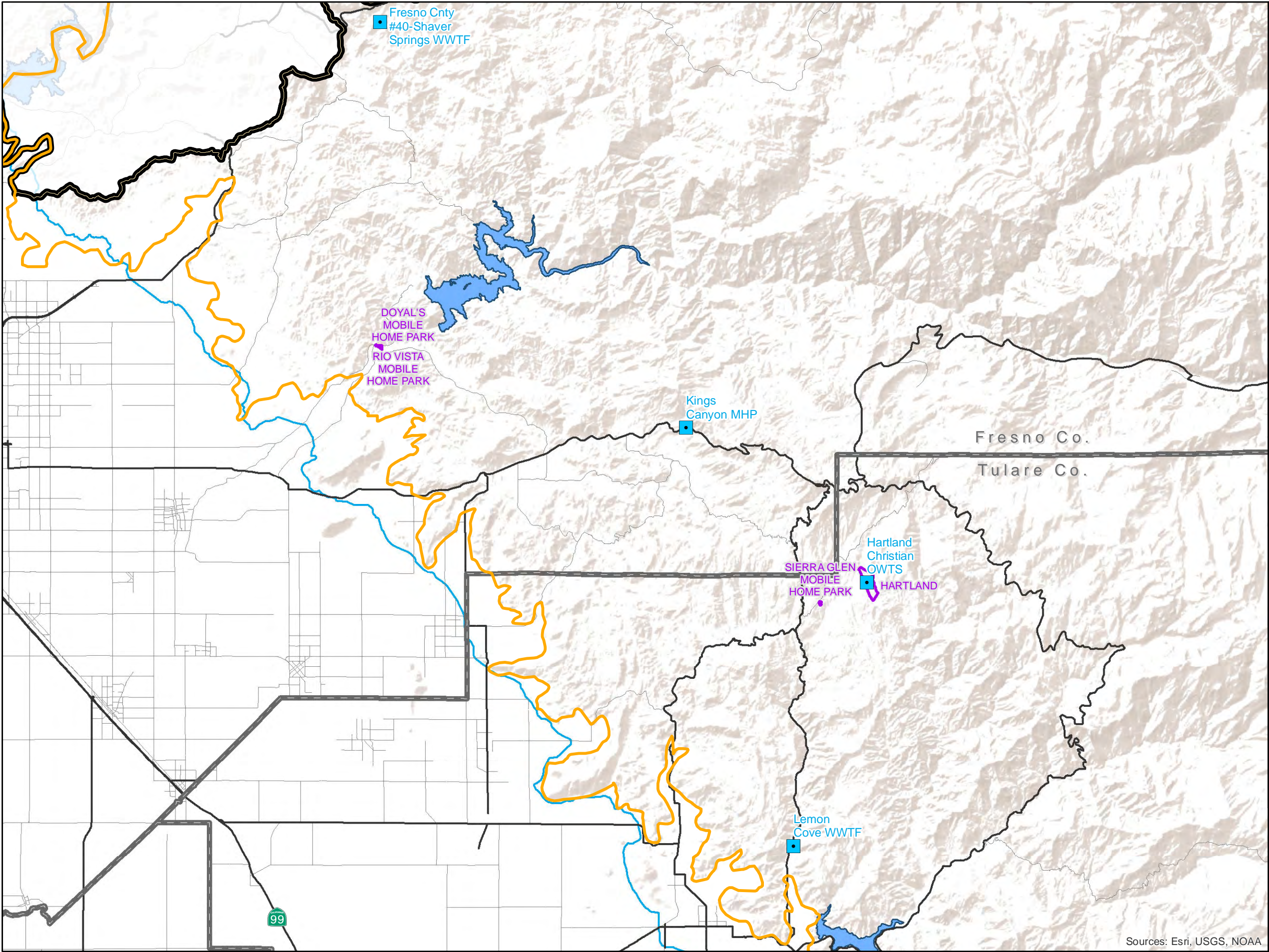
FIGURE 11-4

- Legend
- Prop 1 Funding Area
  - Poso Creek IRWMA
  - DAC and SDAC Communities
  - Wastewater Treatment Facilities
  - County
  - Major Road
  - Highway / Interstate
  - Major Canal



Sources: Esri, USGS, NOAA



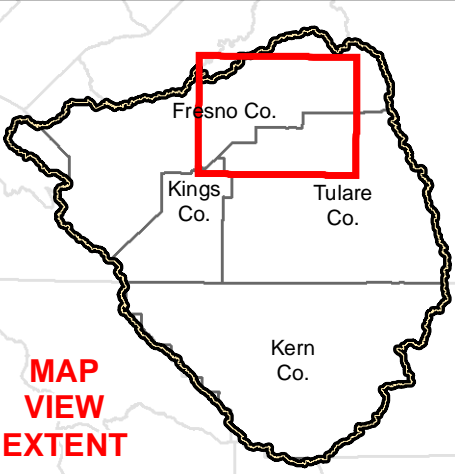


**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

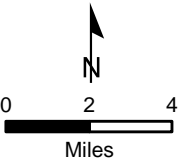
Southern Sierra IRWMA  
(North)  
Wastewater Treatment Facilities

FIGURE 11-5

- Legend
- Prop 1 Funding Area
  - Southern Sierra IRWMA
  - DAC and SDAC Communities
  - Wastewater Treatment Facilities
  - County
  - Major Road
  - Highway / Interstate
  - Major Canal



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Sources: Esri, USGS, NOAA











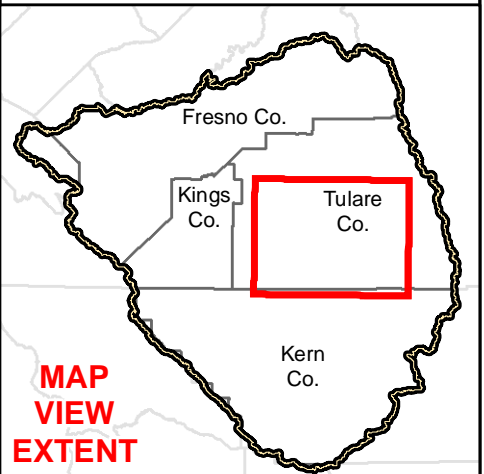
# **Tulare Lake Basin Disadvantaged Community Water Study**

Southern Sierra IRWMA  
(South)  
Wastewater Treatment Facilities

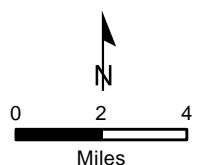
FIGURE 11-6

## Legend

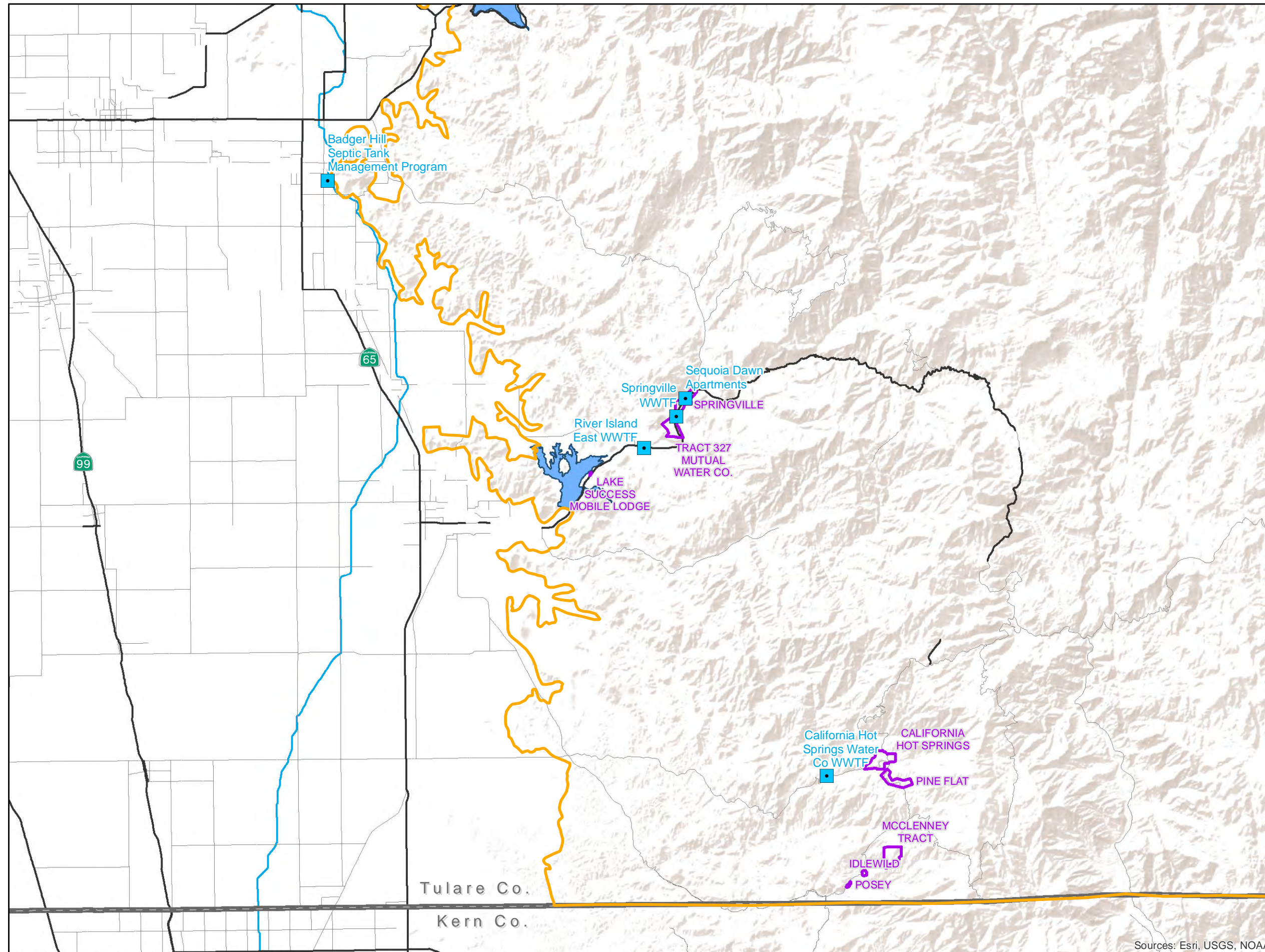
-  Prop 1 Funding Area
-  Southern Sierra IRWMA
-  DAC and SDAC Communities
-  Wastewater Treatment Facilities
-  County
-  Major Road
-  Highway / Interstate
-  Major Canal



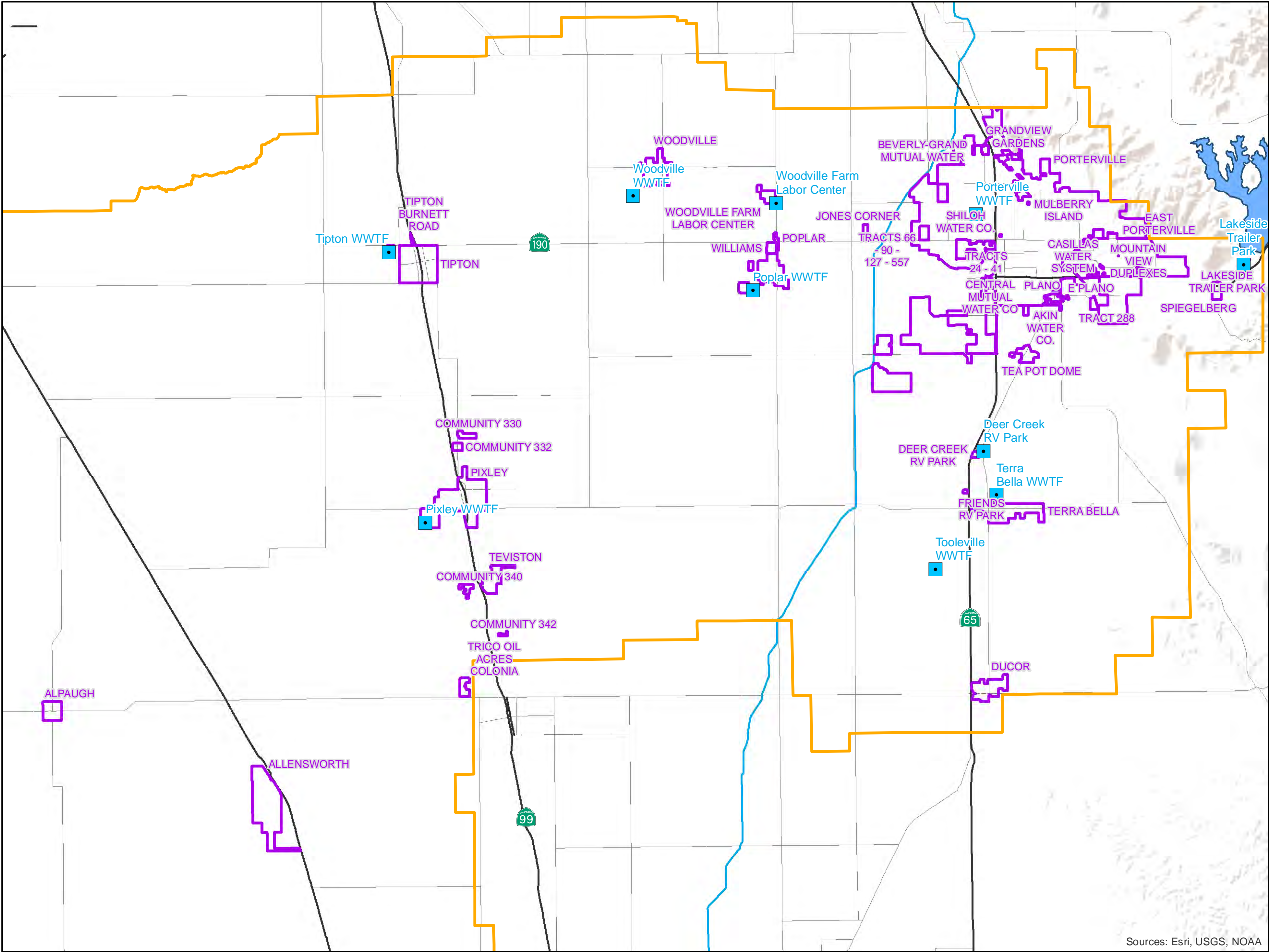
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Sources: Esri, USGS, NOAA





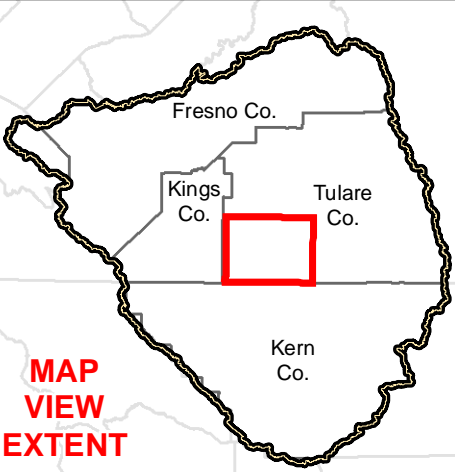


**Tulare Lake Basin  
Disadvantaged Community  
Water Study**

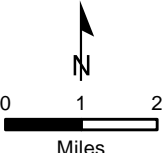
Tule River Basin  
IRWMA  
Wastewater Treatment Facilities

FIGURE 11-7

- Legend
- Prop 1 Funding Area
  - Tule River Basin IRWMA
  - DAC and SDAC Communities
  - Wastewater Treatment Facilities
  - County
  - Major Road
  - Highway / Interstate
  - Major Canal

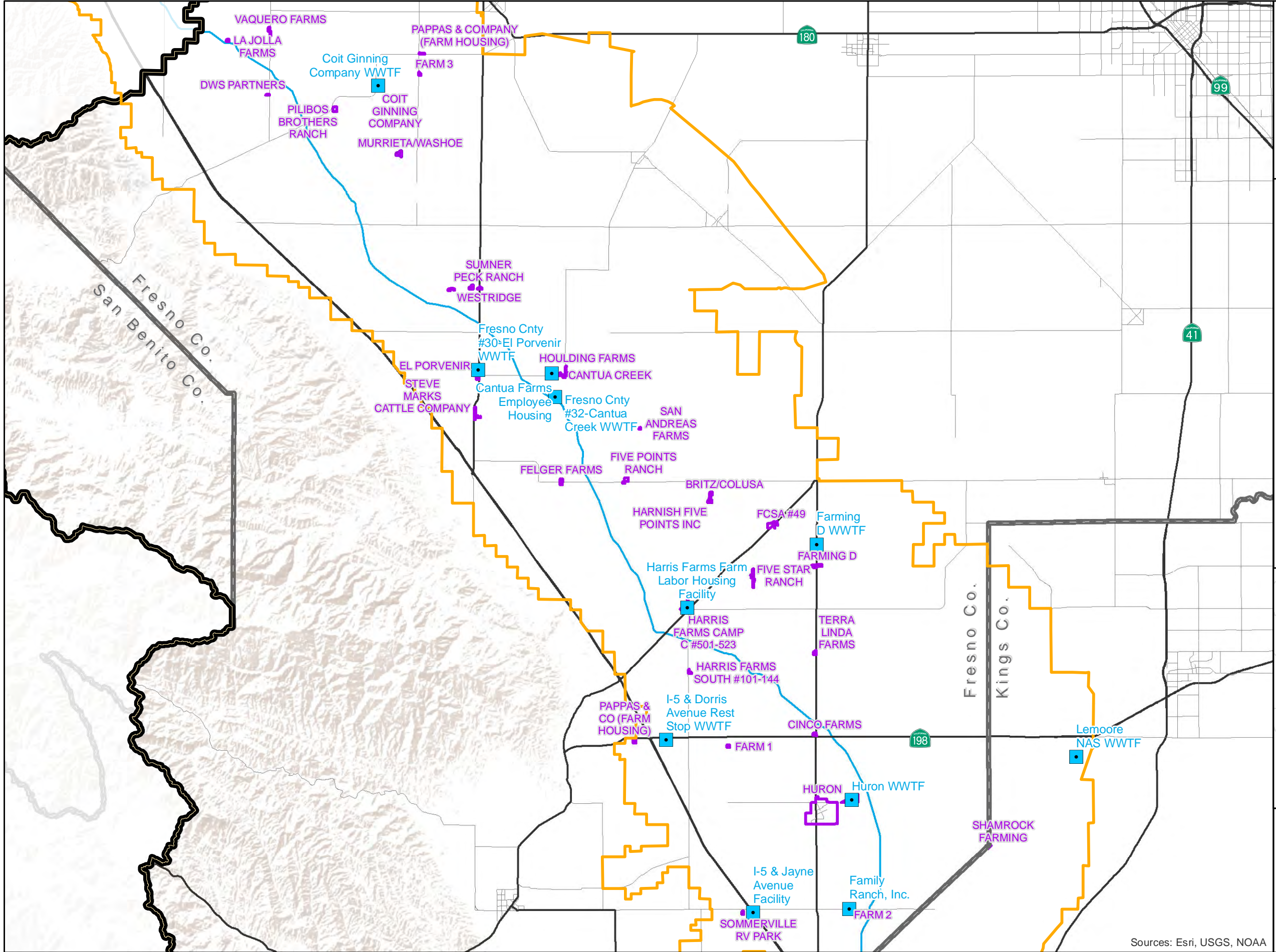


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Sources: Esri, USGS, NOAA





### Tulare Lake Basin Disadvantaged Community Water Study

Westside San Joaquin  
IRWMA

Wastewater Treatment Facilities

FIGURE 10-8

Legend

- Prop 1 Funding Area
- Westside San Joaquin IRWMA
- DAC and SDAC Communities
- Wastewater Treatment Facilities
- County
- Major Road
- Highway / Interstate
- Major Canal

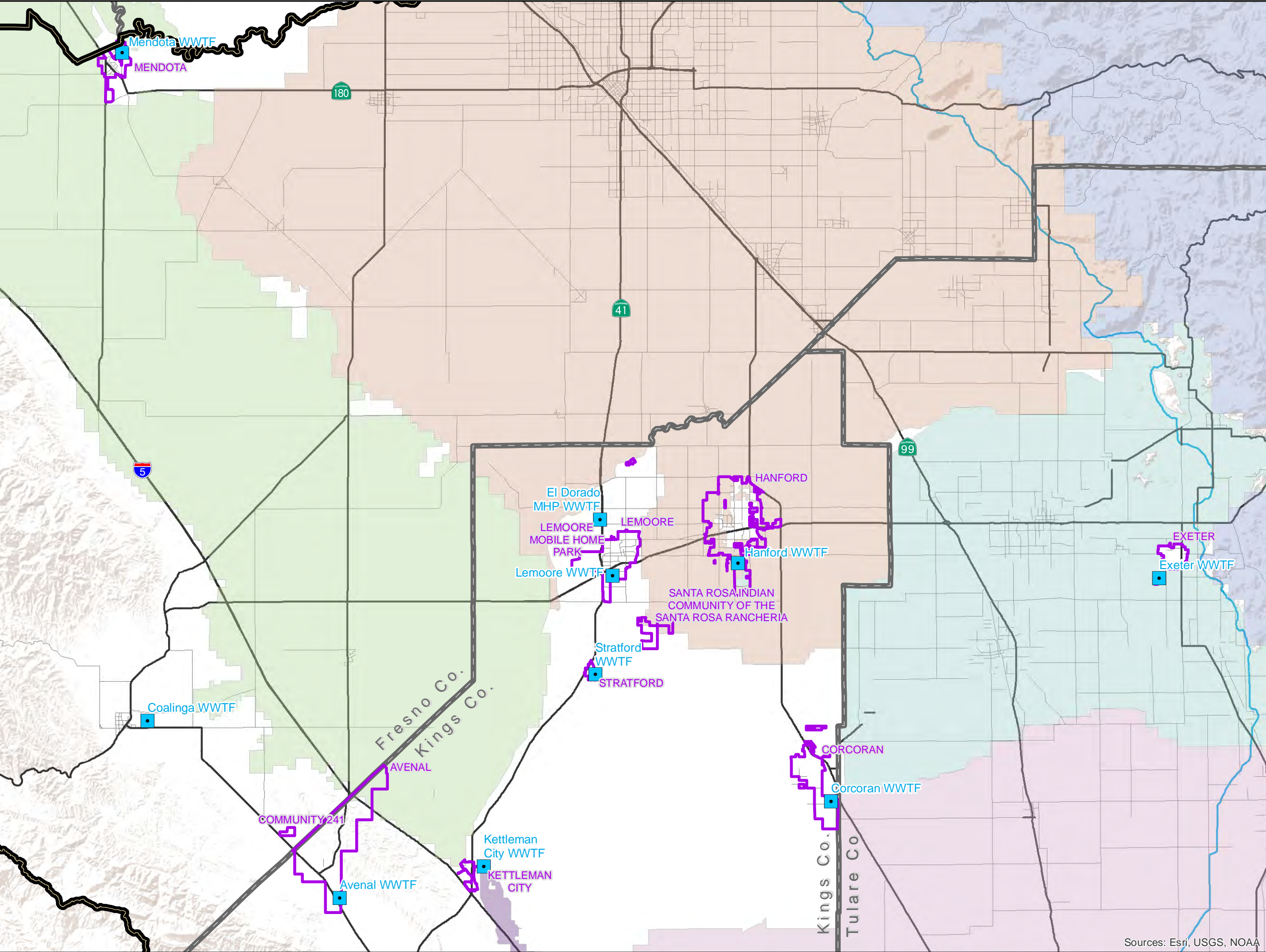
MAP  
VIEW  
EXTENT

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Sources: Esri, USGS, NOAA





### Tulare Lake Basin Disadvantaged Community Water Study

DAC and SDAC Communities  
Outside of IRWMA Boundaries  
Wastewater Treatment Facilities

FIGURE 11-9

Legend

- Prop 1 Funding Area
- DAC and SDAC Communities
- Wastewater Treatment Facilities
- County
- Major Road
- Highway / Interstate
- Major Canal

IRWMA

- Kaweah River Basin
- Kern County
- Kings Basin
- Southern Sierra
- Tule
- Westside - San Joaquin

MAP  
VIEW  
EXTENT

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Sources: Esri, USGS, NOAA

# 12 Septic Density Evaluation

[Future Section – not included in Preliminary Needs Assessment]



# 13 Water and Sewer Rates

[Future Section – not included in Preliminary Needs Assessment]

## 14 Storm Water Facilities

[Future Section – not completed in Preliminary Needs Assessment]

Most cities have storm water collection and storage facilities. However, many smaller unincorporated communities do not have storm water facilities. In general, storm water is not included in the powers of most unincorporated communities, and they have no funding mechanism in place to support such facilities. In those cases, the responsibility for storm water facilities lies with the counties, but it is often not a high priority, as it is not associated with a direct health and safety issue.

### Fresno County:

Generally regarding stormwater, Fresno County is a co-permittee with FMFCD, City of Fresno, City of Clovis, and CSU Fresno for a regional MS4 permit. Within the urban area, the co-permittees are responsible for maintaining their storm drainage pipes/culverts. FMFCD serves as the flood basin maintenance and reporting entity.

In the rural areas of Fresno County, Road Maintenance and Operations (RM&O) Division cleans and maintains the storm drain pipes that transmit stormwater from one side of a road to another or otherwise off the paved travel surface. Our purpose is to keep the roads safe and traversable by the motoring public.

Some unincorporated communities in Fresno County have a storm water system. They include Caruthers, Riverdale, Tranquillity, Laton, and Biola. The County has some copies of storm drain master plans, although in many of the communities, the master plans are not fully built out. RM&O does not necessarily maintain these communities' storm water systems.

### Kings County:

Most of the unincorporated communities in Kings County do not have a comprehensive storm system, as such and due to the disadvantaged community status, they receive an annual waiver for the Phase II MS4 permit. The only storm water system is in Stratford, other communities such as Armona and Kettleman City have segregated storm drain components but no comprehensive system.



## 15 Funding Status

There are several funding programs that provide funding for drinking water or wastewater projects. Many of these funding programs provide grant funds for DACs. The Department of Water Resources, State Water Resource Control Board, and United States Department of Agriculture have historically provided the bulk of public funds available for drinking water infrastructure improvements. Funding alternatives that may be available to DACs would generally include grants, loans, and rate adjustments to increase revenues. Specific sources of funding assistance may include:

- *Drinking Water State Revolving Fund (DWSRF)*
- *Clean Water State Revolving Fund (CWSRF)*
- *State of California Bond Measures, such as Proposition 1 and Proposition 84*
- *SWRCB – Small Community Wastewater Grant Program*
- *Community Development Block Grant (CDBG)*
- *United States Department of Agriculture (USDA) – Rural Utilities*
- *Department of Water Resources (DWR) – Integrated Regional Water Management Planning Program*

There are DACs in the TKFA that are shown to have a water supply or wastewater related issue, but they may already be on track to address those issues. It often takes several years from project conception to completion. A project could be at various phases, including:

1. *Funding application for planning has been submitted and is being reviewed by the Funding Agency*
2. *Planning funds have been awarded and project planning/ design are in progress*
3. *Funding application for construction has been submitted and is being reviewed by the Funding Agency*
4. *Construction funds have been awarded and construction is in progress*
5. *Project is complete, and system is returned to compliance*

Until the final step is completed, and the system is returned to compliance, the system will show in the database to be out of compliance. It is therefore of interest to understand where projects may be in the process, and which communities are still in need of assistance to develop a project. The Drinking Water State Revolving Fund (DWSRF) and Clean Water State Revolving Fund (CWSRF) post updated lists of funded projects, which are summarized in the paragraphs below.

The DACEEP is reviewing projects included in IRWMPs, which will be referenced herein when complete.

In addition, several communities within the TKFA were able to utilize SWRCB Cleanup and Abatement Account (CAA) SB103 Interim Replacement Drinking Water Program funds and AB 91 Interim Emergency Drinking Water Program funds to provide interim water supplies such as:

- *Bottled Water*
- *Well Repair, Well Rehabilitation, and Replacement*
- *Vending Machines*
- *Point of Use Devices*
- *Hauled Water*
- *Emergency Interties*
- *Treatment Systems*

Most of the funding for interim supplies was allocated between 2014-2016. Funding lists are included in **Appendix B**. Some of the systems have been able to implement a permanent solution since that time, while others are still out of compliance and in need of assistance.

## 15.1 Drinking Water State Revolving Fund

As of December 2018, there are sixteen (16) DACs in the TKFA that have active funded drinking water projects through the DWSRF program, as shown in Table 15-1. Some of these are planning projects and others are construction projects. In addition, there are approximately thirty (30) DACs in the TKFA that have started funding applications through the DWSRF program, that have not yet been awarded funding, as shown in Table 15-2.



Table 15-1. DWSRF Funded Projects

COMM_NAME	Funding Recipient	Project Name	Principal Forgiveness Amount	Loan Amount	Total Amount Financed	Initial Funding Date	County	IRWM	DAC Status
AVENAL	City of Avenal	Avenal Water Transmission Line Replacement Planning Project	\$500,000	\$0	\$500,000	10/21/2016	Kings	Outside of IRWM	SDAC
BIOLA	Biola CSD	Biola CSD Water Distribution System Upgrades	\$347,200	\$0	\$347,200	8/2/2016	Fresno	Kings Basin	SDAC
CARUTHERS	Caruthers CSD	New Well No. 7	\$500,000	\$0	\$500,000	1/5/2017	Fresno	Kings Basin	DAC
EAST PORTERVILLE	DWR	The East Porterville Water Supply Construction Project	\$13,300,000	\$0	\$13,300,000	5/16/2017	Kings	Tule	SDAC
EAST PORTERVILLE	DWR	The East Porterville Water Supply Construction Project	\$20,000,000	\$0	\$20,000,000	5/16/2017	Kings	Tule	SDAC
EAST PORTERVILLE	DWR	The East Porterville Water Supply Planning Project	\$5,000,000	\$0	\$5,000,000	11/7/2016	Kings	Tule	SDAC
FRESNO	City of Fresno	Fresno Priority 2 Regional Transmission Mains	\$0	\$63,100,000	\$63,100,000	1/31/2017	Fresno	Kings Basin	DAC
FRESNO	City of Fresno	Kings River Pipeline	\$0	\$65,875,669	\$65,875,669	7/19/2016	Fresno	Kings Basin	DAC
KERMAN	City of Kerman	Double L Mobile Ranch Park consolidation with City of Kerman	\$3,230,000	\$0	\$3,230,000	7/11/2016	Fresno	Kings Basin	SDAC
KETTLEMAN CITY	Kettleman City CSD	New SWTP [Construction Phase]	\$3,000,000	\$1,000,000	\$4,000,000	2/17/2017	Kings	Outside of IRWM	DAC
KRISTA	Krista MWC	Krista Fluoride Contamination Planning Project	\$500,000	\$0	\$500,000	5/9/2017	Kern	Kern	SDAC

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COMM_NAME	Funding Recipient	Project Name	Principal Forgiveness Amount	Loan Amount	Total Amount Financed	Initial Funding Date	County	IRWM	DAC Status
LANARE	Lanare CSD	Distribution System Replacement	\$3,580,000	\$0	\$3,580,000	8/25/2016	Fresno	Kings Basin	SDAC
OKIEVILLE	DWR	Okieville Highland Acres Emergency Water Supply Project	\$2,081,000	\$0	\$2,081,000	5/17/2017	Tulare	Kaweah	SDAC
ORANGE COVE	City of Orange Cove	Water Treatment Plant Expansion and Retention Basin Lining Project	\$500,000	\$0	\$500,000	12/12/2016	Fresno	Kings Basin	SDAC
PLAINVIEW	Plainview MWC	Plainview MWC-Central Water System Nitrate Remediation Project	\$500,000	\$0	\$500,000	5/16/2017	Tulare	Kaweah	SDAC
SAN JOAQUIN	City of San Joaquin	Water Supply, Storage, Treatment, and Distribution Improvements	\$485,000	\$0	\$485,000	10/26/2016	Fresno	Kings Basin	SDAC
STRATFORD	Stratford PUD	Test Well, Facilities Assessment and Municipal Well Contract Documents	\$500,000	\$0	\$500,000	4/13/2017	Kings	Outside of IRWM	SDAC
TEVISTON	Teviston CSD	Teviston South Well Replacement Project	\$475,000	\$0	\$475,000	2/24/2017	Tulare	Tule	SDAC
WOODVILLE	Woodville PUD	Replacement Well Project	\$416,465	\$0	\$416,465	8/26/2016	Tulare	Tule	SDAC



Table 15-2. DWSRF Funding Applications

COMM_NAME	Applicant	Project Title / Description	Project Cost (Estimate)	Funding Date	County	IRWM	DAC Status
ARVIN	Arvin CSD	Sonshine Properties Proposition 84 Project	\$559,330	TBD	Kern	Kern	SDAC
ARVIN	Arvin CSD	Arsenic Mitigation Project - Phase II	\$14,348,615	TBD	Kern	Kern	SDAC
ARVIN	Arvin CSD	123 TCP Treatment for Well No.8 and Well No. 13	\$3,115,350	TBD	Kern	Kern	SDAC
BIOLA	Biola CSD	Biola CSD Water Distribution System Upgrades	\$3,239,000	TBD	Fresno	Kings Basin	SDAC
CARUTHERS	Caruthers CSD	Installation of Arsenic Treatment Facility and Water Meters	\$4,492,230	TBD	Fresno	Kings Basin	DAC
CUTLER	Cutler PUD	Water Supply Improvements Project	\$406,900	TBD	Tulare	Kings Basin	SDAC
DEL ORO RIVER ISLAND SERV TERR #1	Del Oro Water Company	Storage Tank/Clear Well Addition	\$73,000	TBD	Tulare	Southern Sierra	DAC
DEL ORO RIVER ISLAND SERV TERR #1	Del Oro Water Company	Larkspur Meadows - Secondary Well	\$14,450	TBD	Tulare	Southern Sierra	DAC
DEL ORO RIVER ISLAND SERV TERR #1	Del Oro Water Company	River Island Water Treatment Plant	\$5,189,176	TBD	Tulare	Southern Sierra	DAC
DEL ORO, GRANDVIEW GARDENS, E PLANO	Del Oro Water Company	Consolidation of Grandview Gardens & East Plano to City of Porterville	\$347,900	TBD	Tulare	Southern Sierra	DAC
DEL REY	Del Rey CSD	Water Meter Installation Project	\$905,472	TBD	Fresno	Kings Basin	SDAC
EAST NILES	East Niles CSD	North Weedpatch Hwy Water System Consolidation Project	\$15,289,500	TBD	Kern	Kern	SDAC
ENOS LANE PUD	Enos Lane PUD	Nitrate and Arsenic Mitigation Project- Enos Lane PUD	\$495,150	TBD	Kern	Kern	DAC

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COMM_NAME	Applicant	Project Title / Description	Project Cost (Estimate)	Funding Date	County	IRWM	DAC Status
FRAZIER PARK, LAKE OF THE WOODS	Frazier Park PUD	Frazier Park/Lake of the Woods Regional Consolidation Planning Project	\$1,210,550	TBD	Kern	Kern	SDAC
FRESNO	Fresno, City of	Fresno NE Surface Water Treatment Facility 6MG Finished Water Reservoir	\$14,000,000	TBD	Fresno	Kings Basin	DAC
GEORGE COX WATER SYSTEM, REEDLEY	Reedley, City of	George Cox - Reedley Consolidation	\$165,720	TBD	Fresno	Kings Basin	DAC
GREENFIELD COUNTY WD	Greenfield, City of	Apple Avenue Water System Consolidation	\$389,000	TBD	Kern	Kern	DAC
HARDWICK	Hardwick Water Company	Hardwick Water Company Meter and Main Replacement	\$1,086,690	TBD	Kings	Kings Basin	SDAC
HOME GARDEN	Home Garden CSD	Home Garden System Deficiencies Planning Project	\$350,000	TBD	Kings	Kings Basin	SDAC
HURON	Huron, City of	Water Treatment Plant Improvement Project	\$7,700,000	TBD	Fresno	Westside San Joaquin	SDAC
HURON	Huron, City of	Domestic Water Well Planning Project	\$280,000	TBD	Fresno	Westside San Joaquin	SDAC
KERMAN	Kerman, City of	Kerman Hexachromium Planning project	\$2,725,000	TBD	Fresno	Kings Basin	DAC
LAMONT	Lamont PUD	Lamont PUD Arsenic Treatment	\$457,000	TBD	Kern	Kern	SDAC
LAMONT, EL ADOBE POA, INC	Lamont PUD	Lamont PUD and El Adobe POA consolidation project	\$5,000,000	TBD	Kern	Kern	SDAC
LONDON	London CSD	Water System Reliability Project	\$4,944,655	TBD	Tulare	Kings Basin	SDAC
LOST HILLS	Lost Hills Utility District	Well Number Three	\$1,732,039	TBD	Kern	Kern	SDAC
MENDOTA	Mendota, City of	Mendota AMR	\$3,074,561	TBD	Fresno	Outside of IRWM	SDAC
ORANGE COVE	Orange Cove, City of	City of Orange Cove Water Supply Reliability Project	\$481,000	TBD	Fresno	Kings Basin	SDAC



COMM_NAME	Applicant	Project Title / Description	Project Cost (Estimate)	Funding Date	County	IRWM	DAC Status
PARLIER	Parlier, City of	1,2,3-TCP Removal Treatment Systems	\$17,322,726	TBD	Fresno	Kings Basin	SDAC
PINON PINES MWC	Pinon Pines Estates MWC	New well and blending project	\$1,000,000	TBD	Kern	Kern	DAC
PORTERVILLE, AKIN WATER CO.	Porterville, City of	Consolidation of Akin Water Co (5401038)	\$3,387,000	TBD	Tulare	Tule	SDAC
R.S. MUTUAL WATER COMPANY	R.S. MWC	R.S. Mutual Water Company consolidation project	\$538,000	TBD	Kern	Kern	SDAC
SEVILLE	Tulare, County of	Replace Seville Water Distribution System	\$4,028,896	TBD	Tulare	Kaweah	DAC
SEVILLE, YETTEM	Tulare, County of	Seville Water Co. Consolidation with Yettem Water System	\$7,878,775	TBD	Tulare	Kaweah	DAC
SULTANA, MONSON	Sultana CSD	Sultana - Monson Safe Drinking Water Project	\$5,000,000	TBD	Tulare	Kings Basin	SDAC
TERRA BELLA	Terra Bella Irrigation District	Disinfection Byproducts Compliance Project	\$1,186,200	TBD	Tulare	Tule	SDAC
TRANQUILLITY	Tranquillity Irrigation District	Tranquillity Irrigation District Water Meters Project	\$1,400,000	TBD	Fresno	Kings Basin	SDAC
TRANQUILLITY	Tranquillity Irrigation District	TID Rural Water System Improvement Project	\$4,700,000	TBD	Fresno	Kings Basin	SDAC
TRANQUILLITY	Tranquillity Irrigation District	TID Ag Well 19B Treatment	\$4,237,000	TBD	Fresno	Kings Basin	SDAC
TULARE, SOULTS TRACT	Tulare, City of	Consolidation of City of Tulare, Pratt, and Soult's Mutual Water Systems	\$2,000,000	TBD	Tulare	Kaweah	DAC

## 15.2 Clean Water State Revolving Fund

The Clean Water State Revolving Fund program includes funding available from CWSRF, Proposition 1 and the Small Community Grant program. As of December 2018, there are only three (3) DACs in the TKFA that have active funded sewer or wastewater projects through the CWSRF program, as shown in Table 15-3.

All of these projects received funding through the Proposition 1 Small Community Grant program. None of them had a CWSRF loan component. Two of these are planning projects and one is a construction project.

In addition, there are approximately twenty (20) DACs in the TKFA that have started funding applications through the CWSRF program, that have not yet been awarded funding, as shown in Table 15-4.

Table 15-3. CWSRF Funded Projects

COMM_NAME	Funding Recipient	Project Name	Type of Project	Prop 1 SCG Funding Amount	Agreement Date	County	IRWM	DAC Status
BIOLA	Biola CSD	Tertiary WWTP - Feasibility Study	Planning	\$250,000	8/9/2016	Fresno	Kings Basin	SDAC
MARICOPA	City of Maricopa	Sewer Collection and WWTP Improvements	Planning	\$500,000	9/9/2016	Kern	Kern	DAC
SAN JOAQUIN	City of San Joaquin	Sewer Collection System Improvements	Construction	\$3,686,708	1/27/2017	Fresno	Kings Basin	SDAC

Table 15-4. CWSRF Funding Applications

COMM_NAME	Applicant	Project Title / Description	Project Cost (Estimate)	Funding Date	County	IRWM	DAC Status
ALLENSWORTH	Allensworth CSD	Allensworth Wastewater Collection, Treatment, and Disposal Project		TBD	Tulare	Tule	SDAC
AVENAL	Avenal, City of	Solar Photovoltaic Generation System at WWTP	\$4,815,000	TBD	Kings	Outside of IRWM	SDAC
BIOLA	Biola CSD	Improvements Project at Wastewater Treatment Plant		TBD	Fresno	Kings Basin	SDAC
BUTTONWILLOW	Buttonwillow County WD	Buttonwillow Wastewater Collection Lines Project		TBD	Kern	Kern	SDAC
EARLIMART	Earlimart PUD	Interceptor and Sewer Relief Pipelines Project		TBD	Tulare	Poso Creek	SDAC
KERMAN	Kerman, City of	Sewer Collection System and WWTP Improvements		TBD	Fresno	Kings Basin	DAC
SHAFTER	Kern, County of	South Shafter Sewer Project - Private Laterals and Septic Abandonment	\$10,177,563	TBD	Kern	Poso Creek	DAC



COMM_NAME	Applicant	Project Title / Description	Project Cost (Estimate)	Funding Date	County	IRWM	DAC Status
KETTLEMAN CITY	Kettleman City CSD	Kettleman City Waste Water Improvement Project	\$600,000	TBD	Kings	Outside of IRWM	DAC
LANARE	Lanare CSD	Lanare Wastewater Collection, Treatment, and Disposal Project	\$370,000	TBD	Fresno	Kings Basin	SDAC
LOST HILLS	Lost Hills Utility District	Wastewater Treatment Plant Expansion		TBD	Kern	Kern	SDAC
MARICOPA	Maricopa, City of	Sewer Collection System Improvements Project		TBD	Kern	Kern	DAC
MCFARLAND	McFarland, City of	City of McFarland Wastewater Treatment Plant Expansion	\$12,000,000	TBD	Kern	Poso Creek	SDAC
ORANGE COVE	Orange Cove, City of	Orange Cove WWTP Tertiary Treatment & Recycled Water Project	\$7,300,000	TBD	Fresno	Kings Basin	SDAC
PARLIER	Parlier, City of	WWTP Improvements Project	\$8,033,000	TBD	Fresno	Kings Basin	SDAC
PINEDALE	Pinedale CWD	Pinedale County Water District Water Meter Project	\$7,280,000	TBD	Fresno	Kings Basin	DAC
RIVERDALE	Riverdale PUD	Wastewater Treatment Plant Improvement Project	\$10,660,000	TBD	Fresno	Kings Basin	DAC
SPRINGVILLE	Springville PUD	Treated Effluent Disposal Project		TBD	Tulare	Southern Sierra	SDAC
STRATFORD	Stratford PUD	Wastewater Facilities Improvement Project	\$6,568,100	TBD	Kings	Outside of IRWM	SDAC
MATHENY TRACT	Tulare, County of	Matheny Tract Wastewater Collection, Treatment, Disposal Project		TBD	Tulare	Kaweah	SDAC
WOODLAKE	Woodlake, City of	The City of Woodlake Sewer Improvements	\$2,624,583	TBD	Tulare	Kaweah	SDAC

## 15.3 Integrated Regional Water Management Planning Program

Integrated Regional Water Management groups include projects in their IRWMPs. These projects are being summarized through the DACEEP, and will be included in this report, when complete.

# 16 Conclusions and Recommendations

## 16.1 Summary of Findings

The findings of the Preliminary Needs Assessment are summarized in Table 16-1.

Table 16-1. Summary of Findings

	Disadvantaged Community (DAC)	Severely Disadvantaged Community (SDAC)	Total DAC and SDAC
<b>Count</b>	136	197	333
<b>Incorporated</b>	14	16	30
<b>Unincorporated</b>	123	180	303
<b>Population</b>	908,745	496,781	1,405,526
<b>Connections</b>	228,385	117,125	345,510
<b>Single Source</b>	47	52	99
<b>Out of Compliance (Water Quality)</b>	29	37	66
<b>WWTFs with Enforcement Actions (includes Non-DACs)</b>	42		

## 16.2 Recommendations

It is recommended that the Needs Assessment continue with updating, refining and cleaning the existing data, as well as gathering additional data.

For the purpose of the Project Development Activity, the water supply issues (single source), water quality compliance issues, and wastewater compliance issues should be considered when proposing projects, especially for those DACs that do not currently have a funding application or project in progress.

The PAC may choose to prioritize the types of issues to be addressed through the Project Development.

## 16.3 Areas of Additional Research / Next Steps

[Future Section – not included in Preliminary Needs Assessment]



# Appendix A

## Project Advisory Committee Meeting Schedule and Framework

# Disadvantaged Communities Improvement Program/Project

## Advisory Committee

### 2018-2019 Updated Meeting Schedule and Framework

DACIP	Project Advisory Committee
February – April 2018 Execute Agreement with DWR Form Project Advisory Committee (PAC) Plan PAC Kickoff Meeting Distribute Materials	April 2018 Program Kickoff Program Overview Charter Discussion and Finalization DAC Engagement Program and Needs Assessment Discussion
April – July 2018 Prepare Draft Needs Assessment Scope/Proposal Prepare Draft DAC Engagement and Education Program Scope/Proposal Circulate Draft Proposals to PAC for review Conduct interim workshop to review scope/proposal documents, if necessary	May 2018 Discuss components of the Needs Assessment Proposal  June 2018 Review of Draft Needs Assessment Proposal (recommendation for approval) PAC to provide recommendations to County on final Needs Assessment Scope (accept proposal as is, accept with some modifications, or need to re-write)
July 2018– January 2019 Needs Assessment: <ul style="list-style-type: none"> <li>Review database structure</li> <li>Collect data</li> <li>Coordinate with Agencies regarding data sharing</li> <li>Prepare Preliminary Needs Assessment</li> </ul> DAC Engagement & Education Program: <ul style="list-style-type: none"> <li>Evaluate present circumstances of DACs in the TKFA (review IRWMPs, outreach to DACs, etc.)</li> <li>Prepare Present Circumstances and Recommended Actions Report</li> <li>Conduct DAC EE activities</li> <li>Assist with Needs Assessment data verification</li> </ul> Project Development: <ul style="list-style-type: none"> <li>Prepare Draft Project Development Guidelines and Criteria for discussion</li> </ul>	July-August 2018 PAC Meeting August 30, 2018, 9am-12pm Tulare County BOS  Review of Draft DAC Engagement and Education Program Proposal (recommendation for approval) PAC to provide recommendations to County on final DAC Engagement Scope and Guidelines (accept proposal as is, accept with some modifications, or need to re-write) Needs Assessment Updates  September-November 2018 PAC Meeting October 18, 2018, 9am-12pm, Location: Provost & Pritchard, 130 N. Garden St, Visalia.  Needs Assessment Update Review DAC Engagement, Present Circumstances and Recommended Actions Report PAC to consider recommendations from the Report and make a recommendation to the County of activities to be conducted under the DAC Engagement and Education (EE) Program  January 2019 PAC Meeting January 17, 2019, 9am-12pm, Location: Provost & Pritchard, 130 N. Garden St, Visalia.  Review Preliminary Needs Assessment

Documents related to the items on this Agenda, submitted to the Board after distribution of the Agenda packet, are available for public inspection in the Board of Supervisors Office, 2800 W. Burrel Avenue, Visalia, CA during normal business hours. Such documents are also available online, subject to staff's ability to post the documents before the meeting, at the following website: <https://tularelakebasin.com/alliance/index.cfm/tulare-kern-dac-involvement/>

**As a courtesy to those in attendance, please turn off or place in alert mode all cell phones and pagers.**

*In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Clerk of the Board's Office at (559) 636-5000.*



DACIP	Project Advisory Committee
	PAC to provide recommendations to the County to accept Preliminary Needs Assessment Discuss Project Development Guidelines and Criteria Review draft Project Development Guidelines and Criteria PAC to recommend acceptance of Project Development Guidelines and Criteria Determine approach to solicit projects (may vary by IRWM; all must meet defined criteria)
January – March 2019 Continue work on DAC EE and Needs Assessment	March 2019 Review projects recommended by each IRWM PAC to provide recommendations to the County for selected Projects Discuss consultant identification and/or selection for Projects
April - December 2019 Continue work on DAC EE and Needs Assessment  Conduct Project Development Activities	June 2019 TBD Project updates  September 2019 TBD Project updates  December 2019 TBD Project updates
January – March 2020 Finalize DAC EE Program Efforts and Prepare Final Deliverables  Continue work on Needs Assessment  Continue Project Development Activities  Work on drafting Final Report	March 2020 Review DAC Engagement and Education Program Deliverables PAC to provide recommendations to the County to accept DAC Engagement and Education Program Deliverables
April - June 2020 Prepare Final Needs Assessment  Continue Project Development Activities  Continue Drafting Final Report	June 2020 Review Final Needs Assessment PAC to provide recommendations to the County to accept Final Needs Assessment
July - August 2020 Finalize Project Development Activities and prepare summary reports  Continue Drafting Final Report	September 2020 Review Project Development deliverables PAC to provide recommendations to the County to accept the final deliverables for the Project Development

Documents related to the items on this Agenda, submitted to the Board after distribution of the Agenda packet, are available for public inspection in the Board of Supervisors Office, 2800 W. Burrel Avenue, Visalia, CA during normal business hours. Such documents are also available online, subject to staff's ability to post the documents before the meeting, at the following website: <https://tularelakebasin.com/alliance/index.cfm/tulare-kern-dac-involvement/>

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DACIP	Project Advisory Committee
September 2020 – January 2021 Complete Final Report  Project Closeout Activities	January 2021 Review Final Report PAC to provide recommendation to the County to accept Final Report and submit to DWR Project Closeout

*Note: Dates presented are approximate and may change throughout the project.*

Documents related to the items on this Agenda, submitted to the Board after distribution of the Agenda packet, are available for public inspection in the Board of Supervisors Office, 2800 W. Burrel Avenue, Visalia, CA during normal business hours. Such documents are also available online, subject to staff's ability to post the documents before the meeting, at the following website: <https://tularelakebasin.com/alliance/index.cfm/tulare-kern-dac-involvement/>

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# Appendix B

## Interim Drinking Water Program Funding Lists (2014-2015, 2015-2016)

<b>State Water Resources Control Board Cleanup and Abatement Account (CAA)</b> <b>2015-2016 AB 91 Interim Emergency Drinking Water Program</b> <b>Funding List - Updated November 2016</b>					
Interim Emergency Drinking Water for Contaminated Water Supply <b>\$4 Million</b>					
Applicant	County	City	Project Description	CAA Funded Cost	Agreement Executed
Executed Agreements To-Date					
Oak Run Elementary School	Shasta	Oak Run	Project will provide bottled water to students and staff due to E. Coli contamination in the water system.	\$15,000	4/12/2016
Community of Tecopa	Inyo	Tecopa	Additional funding for the Installation of a Water Vending Machine	\$89,749	4/1/2016
Central Unified School District	Fresno	Fresno	Bottled water due to chromium 6 contamination in water supply.	\$50,000	3/11/2016
Reef Sunset Unified School District	Kings	Avenal	Project will provide bottled water to students and staff at the Avenal Elementary School, Tamarack Elementary School, Avenal High School, Reef Sunset Middle School, Sunrise High School and Avenal Adult School.	\$290,914	3/4/2016
Lakeside Union School	Kern	Bakersfield	Project will provide bottled water to Lakeside School students and staff due to arsenic contamination.	\$62,983	3/1/2016
Self Help Enterprises on behalf of Harwick well owners & the Mutual Water Company water system	Kings	Hardwick	Project will provide bottled water to residents in the Hardwick area due to uranium contamination.	\$133,634	1/13/2016
Self Help on behalf of the Fountain Trailer Park	Kern	North Edwards	Project will provide bottled water to Fountain Park residents to address arsenic contamination in the source well.	\$58,075	12/11/2015
Self Help on behalf of Perry Colony & West Church Ave.	Fresno	Fresno	Project will provide bottled water to residents in the rural communities of Perry Colony and West Church due to uranium and nitrate in the water supply.	\$115,647	12/11/2015
Madera County on behalf of MD-7 Marina View Heights	Madera	NA	Project will provide bottled water to the residents of MD-7 due to arsenic, manganese, uranium, and gross alpha contamination in the water supply.	\$339,658	12/11/2015
Rio-Bravo-Greeley Union School District	Kern	Bakersfield	Project will provide bottled water to students and staff at Rio Bravo - Greeley Union School due to nitrate contamination.	\$125,076	12/3/2015
California Rural Legal Assistance on behalf of the El Porvenir watersystem	Fresno	Fresno	Bottled water for El Porvenir residents while the consolidation of their water treatment system with Cantua Creek is underway to address MCL violations for haloacetic acids (HAA5) and total trihalomethanes (TTHMs).	\$259,226	10/19/2015
California Rural Legal Assistance on behalf of the Cantua Creek watersystem	Fresno	Fresno	Bottled water for Cantua Creek residents while the consolidation of their water treatment system with El Porvenir is underway to address MCL violations for haloacetic acids (HAA5) and total trihalomethanes (TTHMs).	\$348,765	10/19/2015
Amargosa Conservancy on behalf of Tecopa well owners	Inyo	Tecopa	Project will continue the bottled water program for the community of Tecopa until the previously funded water vending machine is operational.	\$90,356	10/8/2015
Valley Teen Ranch	Madera	Madera	Bottled water for residential group home	\$14,624	9/10/2015
Sutter County on behalf of the Robbins Elementary School	Sutter	Yuba	Bottled water due to arsenic contamination in water supply.	\$246,330	8/26/2015
Western Water Conservation on behalf of the Ramona Water Company watersystem	Riverside	Anza	Bottled water due to nitrate contamination in drinking water supply and insufficient source capacity.	\$94,185	8/17/2015
Madera County on behalf of MD-6 Lake Shore watersystem	Madera	Bass Lake	Project will provide bottled water to the residents of MD-6 due to arsenic, manganese, uranium, and gross alpha contamination in the water supply.	\$188,763	12/3/2015
Antelope Homewood Mobile Home Park	Tehama	Red Bluff	Project is for the design and construction of an emergency interconnection between the MHP (Antelope water system) and the City of Red Bluff's (City) water system, connection fees, and (Local Agency Formation Commission) LAFCO application fees.	\$36,229	6/28/2016
Potter Valley Community Unified School District	Mendocino	Mendocino	The requested amount of \$7,000 will be used to provide 125 gallons per week of bottled water for 37 weeks (excluding holidays) during the school year beginning August 23, 2016 and ending on June 8, 2017 or until a permanent solution is completed. This is less than the maximum 1/2 gallon per person per day allowed for bottled water projects.	\$7,000	9/2/2016
Village Mobile Home Park	Los Angeles	Los Angeles	Project will provide bottled water to the residents of Village Mobile home Park due to arsenic contamination.	\$56,828	3/21/2016
Self Help Enterprises for Monterey Park Tract	Stanislaus		Project will provide residents with bottled water as an interim solution to their contaminant issues.	\$16,724	6/28/2016
Jamestown/Quartz Hill/ Stent Area (Immediately)	Tuolumne		Distribution System extension	\$318,233	9/16/2016
Kettleman City Community Services District	Kern	Kettleman	The funding will be used to provide bottled water to 358 service connections for up to 33 months. The district's groundwater wells are contaminated with naturally occurring arsenic above the MCL.	\$101,569	9/12/2016
Linns Valley Poso Flat Union School District	Kern	Kern	The project will fund the construction of the permanent connection between the Linns Valley Poso Flat Union School, the three homes connected to the existing system and the Glennville Mutual Water Company. The Project will include the installation of a conveyance pipeline extension, 4 laterals each including a meter and back flow prevention assembly. The project will address the persistent bacterial contamination issue in the existing system.	\$165,912	9/26/2016
Jamestown/Quartz-Hill/Stent - Bottled Water	Tuolumne		The project proposes to continue bottled water deliveries once the Oral Contract has expired for approximately 100 weeks (1 year and 11 months) or until the permanent solution is completed, whichever occurs first.	\$29,700	8/24/2016
Jamestown/Quartz Hill/ Stent Area	Tuolumne		Project will provide bottled water to residents in the Jamestown/Quartz Hill/Stent area for up to 8 weeks while the funding details for the interim and long term solutions are ironed out.	\$20,000	Oral Contracts Issued: 3/30/2016
Linns Valley School	Kern	Kern	Project will provide bottled water to students and staff at Linns Valley School due to bacterial contamination.	\$5,000	Oral Contracts Issued: 5/09/2016
Preliminary Funding Commitment To-Date (Agreement not yet executed)					
Rural Community Assistance Corporation (Short-term)	Kern		Project will extend Operations and Maintenance (O&M), sampling and monitoring, and communications through April 2018 for its existing Point of Use (POU) Device Program in priority community and school areas throughout Arvin, California.	\$128,326	NA
Self-Help Enterprises for Pond Mutual Water Company	Kern		Project will install POU devices at 18 connections to address MCL violations for arsenic.	\$49,794	NA
Rio Bravo- Greeley Union School	Kern	Kern	Project will install POU at two schools to address nitrate contamination.	\$67,861	NA
Warner Springs Unified School District	San Diego	San Diego	Project will provide bottled water to approximately 322 staff and students and install a POU device in the kitchen area for cooking to address arsenic contamination	\$183,650	NA
Fall River CSD McArthur MHP	Shasta	Shasta	Installation of permanent interconnection water pipeline between McArthur MHP and Fall River Valley Community Services District. Well #3 has manganese contamination exceedances around 40 times the secondary MCL of 0.05 mg/L, and 4 times the drinking water notification level of 0.5 mg/L. Shasta County considering issuing a compliance order for manganese exceedances.	\$20,000	NA
				<b>EXECUTED AGREEMENTS:</b>	<b>\$3,255,180</b>
				<b>ORAL AGREEMENTS:</b>	<b>\$25,000</b>
				<b>PRELIMINARY FUNDING COMMITMENTS:</b>	<b>\$449,631</b>
				<b>TOTAL (EXECUTED AGREEMENTS +ORAL AGREEMENTS+ COMMITMENTS):</b>	<b>\$3,729,811</b>
				<b>REMAINING:</b>	<b>\$270,189</b>



State Water Resources Control Board Cleanup and Abatement Account (CAA) 2015-2016 AB 91 Interim Emergency Drinking Water Program Funding List - Updated November 2016					
Drought Emergency or Threatened Emergency Funding Program <b>\$15 Million</b>					
Applicant	County	City	Project Description	CAA Funded Cost	Agreement Executed
Executed Agreements To-Date					
County of Madera on behalf of Chuk Chanse Water System	Madera	NA	Project will drill a new well to replace the existing well that cannot be repaired. Project will also provide hauled water until the new well is up and running.	\$323,000	2/12/2016
Tulare County for East Porterville private wells	Tulare	East Porterville	Installation of a new well to provide capacity to the City of Porterville to fill individual household tanks in East Porterville	\$500,000	1/21/2016
Tulare County on behalf of the Monson well owners	Tulare	Monson	Installation of well and distribution piping for individual well owners in Monson.	\$500,000	1/19/2016
Tulare County on behalf of Seville Water Company	Tulare	Seville	Project will provide bottled water to Seville community residents due to water system outage.	\$100,000	1/19/2016
Tulare County on behalf of county well owners	Tulare	N/A	Project will continue the countywide emergency bottled water program for individual well owners in Tulare County who have been affected by the drought (water outages) and/or have contamination in their water supply well. The County received an additional \$1,455,000 on April 19, 2016 in addition the initial \$500,000 funding from SB103 and subsequent \$750,000 from AB 91 funding awarded to the County for this program.	\$2,205,000	11/2/2015
Cloverdale Mutual Water Company	Ventura	Oxnard	Well design and repair.	\$15,000	9/21/2015
Western Water Conservation on behalf of the Ramona Water Company watersystem	Riverside	Anza	Rehabilitation of Well No. 3	\$15,000	7/3/2015
Golden Valley Unified School District for Sierra View Elementary School	Madera	Madera	Project will install a drinking water well and provide hauled water as an interim solution until the new well is operational. Existing well has gone dry due to the drought.	\$422,583	9/22/2016
Rural Community Assistance Corporation	N/A	N/A	Household and Small Water System Drought Assistance Program	\$1,000,000	6/27/2016
Self-Help Enterprises	N/A	N/A	Household and Small Water System Drought Assistance Program	\$3,500,000	6/27/2016
California Rural Water Association	N/A	N/A	Household and Small Water System Drought Assistance Program	\$500,000	6/27/2016
Adkins Rentals Water System	Fresno	Fresno	Project is for the design and installation of a temporary water tank and hauled water up to 8-months is needed to provide interim emergency drinking water until the permanent solution is in place.	\$50,000	Oral Contract Issued: 4/29/2016
Kings County for the Hardwick Water System	Kings	Hardwick	Project will install a tank to the existing distribution system and purchase hauled water for up to 60 days or until a new well is installed. On 4/29/16 DFA approved an additional \$29,000 for additional hauled water and to cover the cost of the pump and materials.	\$50,000	Oral Contract Issued: 3/18/2016
Sierra View Elementary School	Madera	Madera	Project will purchase and install storage tanks and purchase hauled water due to drought emergency	\$15,000	Oral Contract Issued: 1/8/2016
Fort Bragg	Mendocino	Fort Bragg	Hauled water due to drought emergency.	\$50,000	Oral Contract Issued: 10/30/15
Feather Falls School	Butte	Oroville	Install a temporary tank, plumb it to the school's distribution system via booster pumps, and begin hauling water, as necessary.	\$14,429	Oral Contract Issued: 10/20/15
Dairyland School	Madera	Chowchilla	Pump repair work and bottled water due to a drought emergency that occurred at the end of August.	\$4,000	Oral Contracts Issued: 09/29/15
Sherwood Valley Rancheria	Mendocino	Willits	Project will provide bottled water due to drought.	\$2,000	Oral Contracts Issued: 09/10/15
Madera County Public Works on behalf of the Indian Lakes Water System	Madera	Madera	Hauled Water and Well Repair/ Rehabilitation to address the threatened emergency caused by the drought.	\$50,000	Oral Contracts Issued: 7/29/2015
Mammoth Pool Mobile Home Park	Madera	North Fork	Project consists of hauling water, additional storage capacity and well repairs.	\$11,000	Oral Contracts Issued: 7/10/2015
Bonadelle Ranchos MWC	Madera	Madera	The project will replace the submersible pump in the well and provide bottled water for the customers until the pump can be replaced and the water can be deemed to be safe for domestic use. The Company also plans to lower the pump by approximately 40 feet to ensure an adequate amount of water is available above the pump setting to keep the pump from cavitating .	\$18,000	Oral Contracts Issued: 6/27/2016
Cypress Canyon	Kern	Kern	Hauled Water and Well repair investigation	\$10,000	Oral Contracts Issued: 6/27/2016
<b>EXECUTED AGREEMENTS:</b> <b>ORAL CONTRACTS:</b> <b>PRELIMINARY FUNDING COMMITMENTS:</b> <b>TOTAL (EXECUTED AGREEMENTS + COMMITMENTS + ORAL CONTRACTS):</b> <b>REMAINING:</b>				<b>\$9,080,583</b> <b>\$274,429</b> <b>\$0</b> <b>\$9,355,012</b> <b>\$5,644,988</b>	

**State Water Resources Control Board Cleanup and Abatement Account (CAA)  
2014-2015 SB103 Interim Replacement Drinking Water Program  
Funding List - Updated September 2016**

**Interim Replacement Drinking Water \$4 Million**

Applicant	County	City	Project Description	CAA Funded Cost	Agreement Executed
<b>Executed Agreements To-Date</b>					
Inyo County	Inyo	Tecopa	The funding will be used for a two-step approach. The grant money will provide a temporary supply of bottled water to meet the initial need. The remaining funds will then be used to provide a water vending machine. Residents currently get their water from individual wells. The domestic water sources contain naturally occurring arsenic and fluoride at concentrations exceeding the respective MCLs. Inyo County received an additional \$11,499 in CAA funding.	\$120,321.00	6/26/2014
Souls Mutual Water Company	Tulare	Tulare	The funding will be used to provide approximately 35 residential properties with bottled water for up to 36 months. The supply well is contaminated with nitrate above the Maximum Contaminant Level (MCL).	\$43,200.00	7/15/2014
Tulare County	Tulare	County-Wide	The funding will be used to purchase and distribute emergency bottled water to disadvantaged residents that have contaminated drinking water. The predominant contamination issue is nitrate but different areas also have arsenic, coliform bacteria, uranium, perchlorate, as well as 1,2,3-trichloropropane, and dibromochloropropane above the respective MCLs or other drinking water standards.	\$500,000.00	9/3/2014
Pershing High School	Fresno	Fresno	The funding will be used to provide bottled water to students and staff at Pershing High School. The school's single water supply is contaminated with uranium and nitrate above the respective MCLs.	\$16,900.00	10/3/2014
Allensworth Community Services District	Tulare	Allensworth	The funding will be used to supply bottled water to 152 homes, the school, and the Allensworth State Park (office) for 36 months. The water supply exceeds the MCL for arsenic.	\$242,868.00	10/9/2014
Self Help Enterprises	Fresno	Lanare	The funding will be used to provide bottled water to 151 service connections for up to 33 months. The system's groundwater wells are contaminated with naturally occurring arsenic above the MCL.	\$236,340.00	10/28/2014
Grizzly Lake Community Services District	Plumas	Portola	The funding will be used to evaluate alternative connections from the Delleker water system to the Plumas County Flood Control District's Lake Davis Water Treatment Plant (DWTP). The Delleker water system is contaminated with uranium above the MCL.	\$18,000.00	10/28/2014
Kettleman City Community Services District	Kings	Kettleman City	The funding will be used to provide bottled water to 358 service connections for up to 33 months. The district's groundwater wells are contaminated with naturally occurring arsenic above the MCL.	\$333,033.00	11/3/2014
Tulare County	Tulare	County- Wide	The funding will be used to purchase and distribute emergency bottled water to schools that serve disadvantaged communities and have contaminated drinking water. The predominant contamination issue is one of nitrate but different areas also have arsenic, coliform bacteria, uranium, perchlorate, as well as 1,2,3-trichloropropane and dibromochloropropane (pesticide) above the respective MCLs or other drinking water standards.	\$1,000,000.00	11/6/2014
Self Help Enterprises	Fresno	Orange Center	The funding will be used to provide bottled water to 93 households that rely on individual wells for their drinking water supply; the groundwater exceeds the MCLs for both nitrate and uranium.	\$150,605.00	1/5/2015
Arvin Community Services District	Kern	Arvin	The funding will be used to plan for, install, and operate 3 vending machines at the Arvin Community Services District Office to provide clean drinking water to the approximately 19,000 residents. The District's groundwater wells are impacted by naturally occurring arsenic above the MCL.	\$222,765	3/26/2015
Rural Community Assistance Corporation (RCAC) On behalf Of Arvin CSD	Kern	Arvin	The Funding will be used to provide safe drinking water to the community by installing Point of Use (POU) devices at frequently used locations around the city of Arvin, including schools, parks, and other community facilities. The Arvin CSD uses groundwater wells that are impacted by naturally occurring arsenic above the Maximum Contaminant Level (MCL).	\$439,682	6/9/2015



Oceano Community Services District	San Luis Obispo	Oceano	The funding will be used to rehabilitate one of the District's wells so that it can be put into production and increase the system's reliability for water supply. Several of the District's other wells have been impacted by iron, manganese, and selenium above the respective MCLs and have been taken off-line as a result.	\$121,402	6/26/2015
Leggett Valley Unified School District	Mendocino	Leggett	The funding would be used to implement water treatment system improvements to address detections of Ecoli and/or coliform bacteria in the water supply well. The district has been purchasing bottled water for the past 5 years.	\$234,485	7/21/2015
<p style="text-align: right;"><b>TOTAL (EXECUTED AGREEMENTS + COMMITMENTS): 14 Projects - \$3.68 Million</b>  <b>REMAINING: \$0.32 Million</b></p>					

Interim Replacement Drinking Water \$2 Million (\$2,125,000)					
Applicant	County	City	Project Description	CAA Funded Cost	Agreement Executed
Executed Agreements To-Date					
Sequoia Union School	Tulare	Lemon Cove	The funding will be used to provide bottled water to students and faculty in classrooms, offices, cafeterias, staff rooms, etc for up to 36 months. The two wells providing water to the school are contaminated with nitrate above the MCL.	\$24,930	2/7/2014
Tooleville Mutual Nonprofit Water Association	Tulare	Exeter	The funding will be used to purchase and deliver bottled water to 76 residential homes for up to 36 months. The two wells providing water to the system are contaminated with nitrate above the MCL. Agreement was amended to add an additional \$83,546 in CAA funding.	\$133,538	4/14/2014
Tulare County	Tulare	Seville	The funding will be used to deliver bottled water to approximately 80 homes. Up until recently, residents relied primarily on groundwater that exceeded the MCL for nitrate.	\$45,000	9/3/2014
Beverly-Grand Mutual Water Company	Tulare	Porterville	The funding will be used to distribute bottled water to 28 homes for up to 36 months. The well providing water to the residents exceeds the MCL for nitrate.	\$50,000	9/24/2014
City of Delano	Kern	Delano	The funding will be used for Phase 4 of a pilot study and demonstration project to remove nitrate from groundwater which serves as the City's drinking water supply; the city's well currently exceeds the MCL for nitrate. The goal of the overall project is to determine if biological treatment is a cost-effective sustainable solution.	\$133,620	10/20/2014
Elsinore Valley Water District	Riverside	Lake Elsinore	The funding will be used to supplement a Prop 84 grant providing an emergency intertie for the County Water Company customers to Elsinore Valley Water District. The current water supply is contaminated by nitrate.	\$112,590	10/28/2014
City of Lindsay	Tulare	Lindsay	The funding will be used to provide bottled water to 5 homes impacted by coliform bacteria in one of the city's water supply wells for up to 24 months.	\$16,500	10/29/2014
City of Live Oak	Sutter	Live Oak	The funding will be used to drill test wells at possible suitable sites in order to confirm a future production well site. One of the city's wells was recently taken out of service due to arsenic and nitrate concentrations above their respective MCLs.	\$80,000	11/6/2014
Springfield/Parajo Mesa CSD	Monterey	Royal Oaks	The funding will be used to provide bottled water to 35 connections that are part of the Parajo Mesa CSD and Springfield Water System. The well currently serving the water system is contaminated with nitrate above the MCL.	\$79,164	11/7/2014
East Orosi Community Services District	Tulare	Orosi	The funding will be used to provide bottled water to 105 households that are part of the East Orosi Community Services District. The wells currently serving the water system are contaminated with nitrate above the MCL.	\$199,167	11/17/2014
Yurok Tribe	Humboldt	NA	The funding will be used to provide bottled water to 43 residences located in remote parts of the Yurok Reservation for up to 4 months or until a vending machine is operational. The current water supply is impacted by coliform bacteria and Ecoli. On August 7, 2015, State Water Board Approved an additional \$30,000 to the existing \$32,234 funding to continue and expand the program.	\$62,234	12/11/2014
Yurok Tribe	Humboldt	NA	The funding will be used to install two water vending machines and any associated infrastructure and provide potable hauled water for up to 3 months. The water supply is impacted by coliform bacteria and Ecoli.	\$108,208	2/26/2015
Environmental Justice Coalition for Water (EJCW)	Monterey	various	The funding will be used by the Environmental Justice Coalition for Water to assess communities & their water systems around Springfield Terrace, Moss Landing, and Pajaro areas of the Greater Salinas Valley, to select and implement appropriate interim solutions, including bottled water or POU devices, & to evaluate the effectiveness of these solutions.	\$134,395	4/3/2015
Stockton Baptist Church	San Joaquin	Stockton	The funding will be used to provide bottled water for school children attending the Stockton Baptist School and Noah's Ark Preschool. The current water supply has been impacted by nitrate.	\$10,000	4/29/2015



City of Lindsay	Tulare	Lindsay	The Funding will be used to conduct planning and design for the permanent solution for Well 11 contamination issues.	\$225,000	6/9/2015
Washington Union School	Fresno	Fresno	The funding will be used to lease two Reverse Osmosis (RO) treatment systems at the Washington Union High School Stadium Complex to provide interim potable water to students, faculty, staff, and visitors using the facilities. One of the 3 wells currently providing water to the school is contaminated with the pesticide 1,2-Dibromo-3-chloropropane (DBCP) above the MCL.	\$63,957	6/12/2015
Lassens Pines Mutual Water Company	Shasta	Shasta	The funding would be used to install a water filtration system to address Ecoli and/or coliform in the drinking water supply.	\$150,563	8/12/2015
Self-Help Enterprises on Behalf of Lemon Cove Sanitary District	Tulare	Tulare	The Funding will be used to provide bottled water to 45 residences for up to 30 months due to nitrate contamination above the MCL.	\$81,662	7/1/2016
Preliminary Funding Commitment To-Date (Agreement not yet executed)					
TOTAL (EXECUTIVE AGREEMENTS + COMMITMENTS): 19 Projects (19 Grantee/Applicants) - \$1.71 Million REMAINING: \$.41 Million					