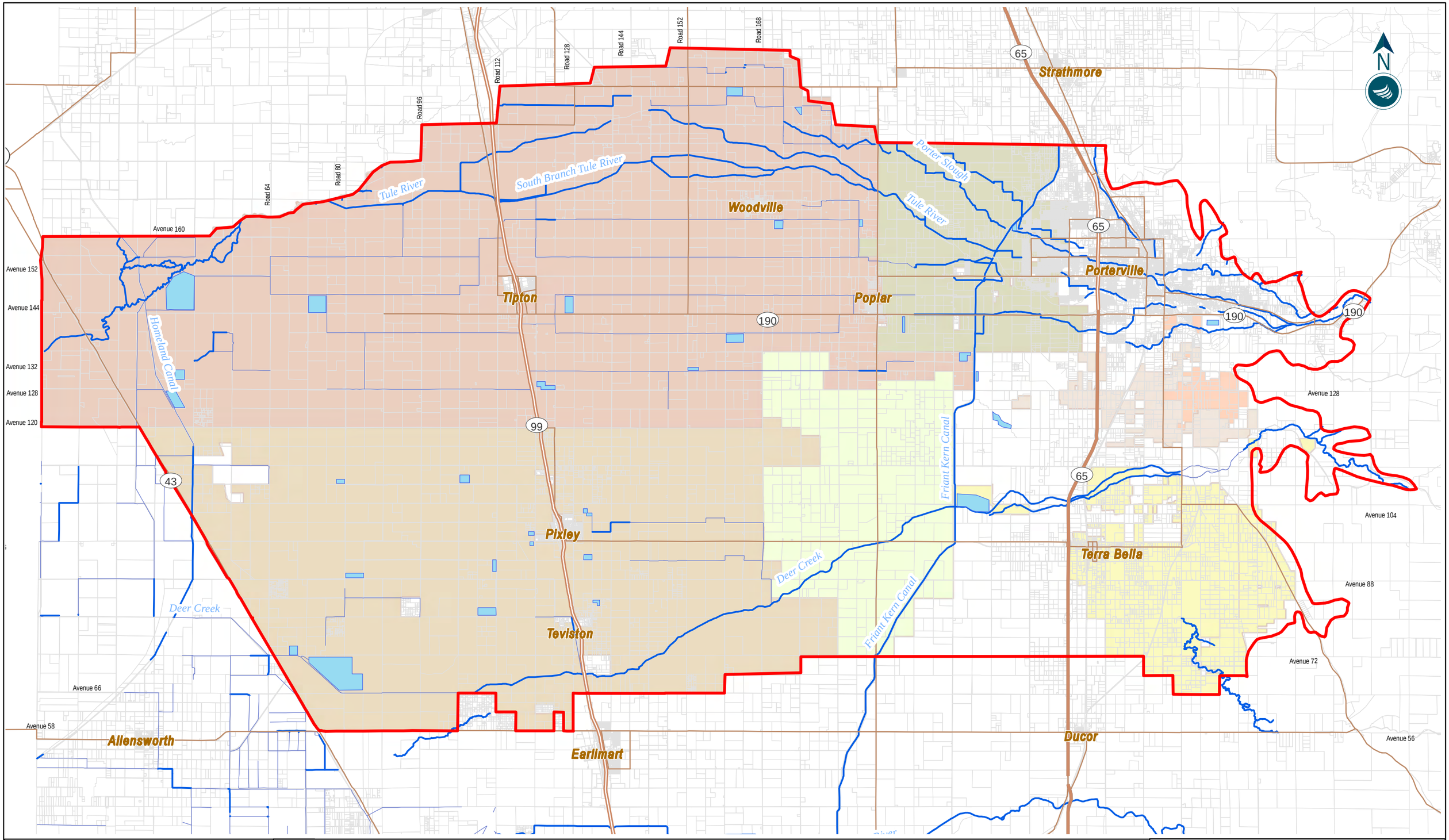


0 0.5 1 2 Miles

4CREEKS
2929 W. Main St., Ste. A
Visalia, California 93291
(559) 802-3052

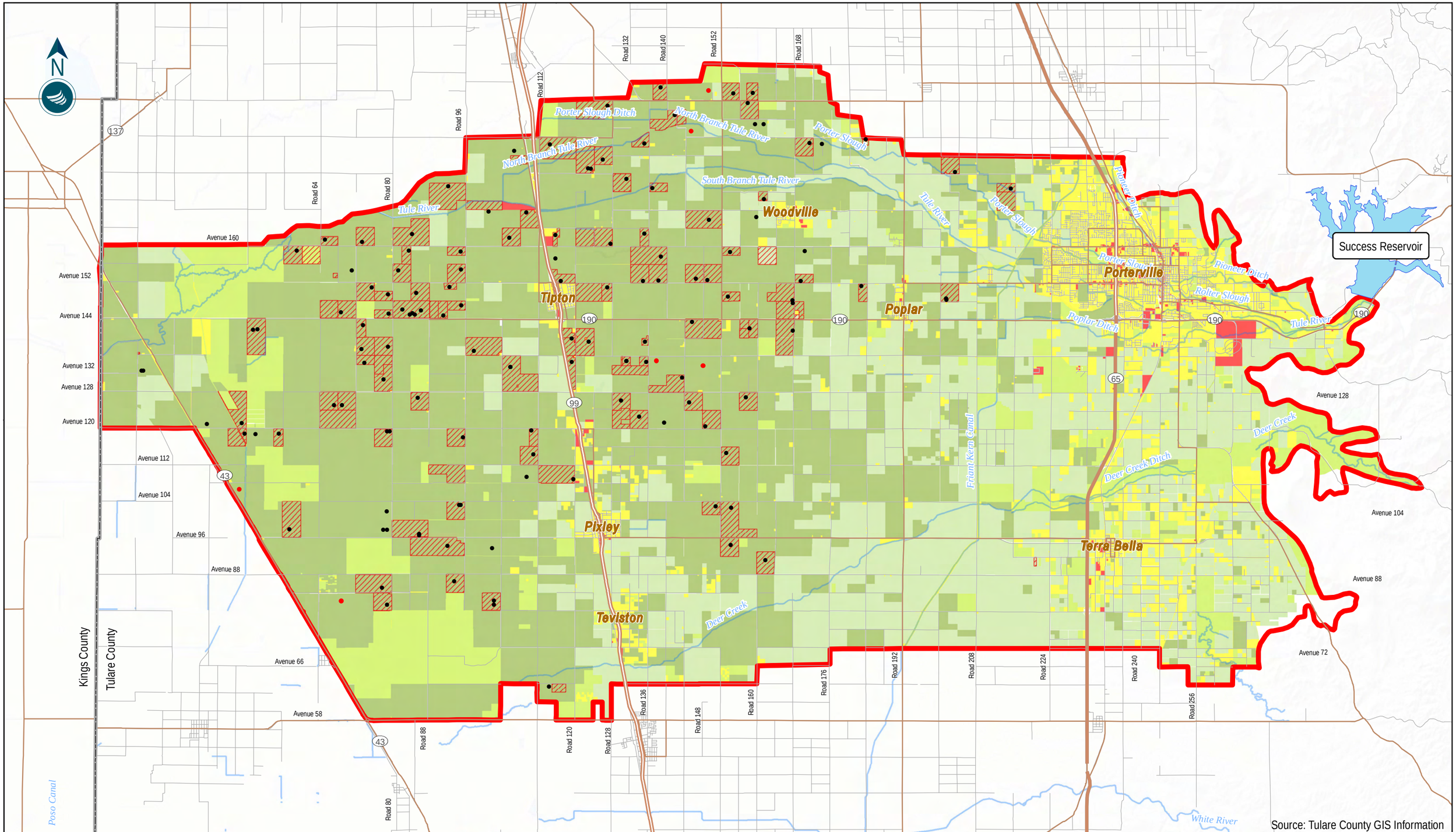
Legend

- Recharge Basins (2,082.8 ac)
- DCTRA Boundary
- Lower Tule River ID (103,034 Ac.)
- Pixley ID (69,014 Ac.)
- Porterville ID (16,997 Ac.)
- Saucelito ID (19,702 Ac.)
- Tea Pot Dome WD (3,481 Ac.)
- Terra Bella ID (15,053 Ac.)
- Vandalia ID (1,379 Ac.)
- Irrigation Canals
- Tule River (58.6 Miles)
- Deer Creek (39.6 Miles)
- Porter Slough (15.5 Miles)

Attachment E

DCTRA Recharge Basins
(LTRID & Pixley ID Distribution Systems)

Deer Creek Tule River Authority
Groundwater Management Plan



0 0.75 1.5 3 Miles

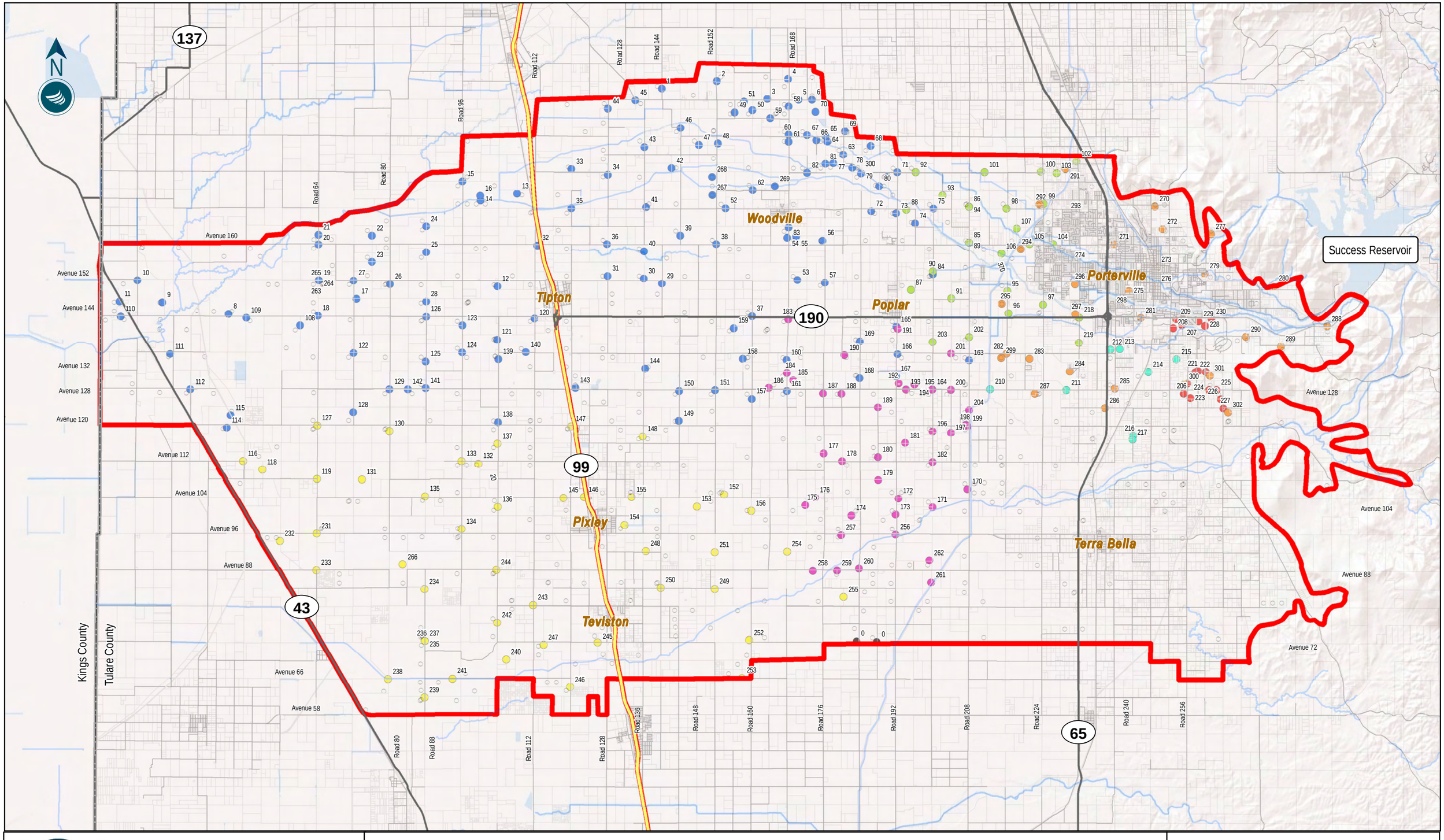
4CREEKS
2929 W. Main St., Ste. A
Visalia, California 93291
(559) 802-3052

Legend

- DCTRA Boundary (289,448 ac.)
- County Boundary
- Tulare County Dairy Facility
- Residential (23,072.0 ac)
- Commercial/Industrial (1,546.7 ac)
- Ag-Permanent Crops (77,640.2 ac)
- Conservation/Recharge/Pasture (35,503.9 ac)
- Ag-Row Crops (138,282.0 ac)
- Dairy Milk Barn Location (136 Total)
- Feed Lot Locations

Attachment F
DCTRA Land Use Map

Deer Creek Tule River Authority
Groundwater Management Plan



0 0.75 1.5 3 Miles

4CREEKS
2929 W. Main St., Ste. A
Visalia, California 93291
(559) 802-3052

Legend

- DCTRA Boundary
- County Boundary
- Historical County Well Data
- DEID
- LTRID
- PID
- PIX ID
- SID
- TDWD
- TRA
- VID

Attachment G

DCTRA Well Location Map

Deer Creek Tule River Authority
Groundwater Management Plan

APPENDIX A

JULY 2006

DEER CREEK AND TULE RIVER AUTHORITY
GROUNDWATER MANAGEMENT PLAN

DENNIS KELLER & ASSOCIATES

GROUNDWATER MANAGEMENT PLAN

DEER CREEK AND TULE RIVER AUTHORITY

JULY 2006

DENNIS R. KELLER / JAMES H. WEGLEY
CONSULTING CIVIL ENGINEERS

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Appendix A - Plan Participants and Basin Stakeholders
Appendix B - Plan Participation Agreement
Appendix C - Alternative Dispute Resolution Policy

SECTION 1
PURPOSE
GROUNDWATER MANAGEMENT PLAN
DEER CREEK AND TULE RIVER AUTHORITY

SECTION 1
PURPOSE
GROUNDWATER MANAGEMENT PLAN
DEER CREEK AND TULE RIVER AUTHORITY

PLAN OBJECTIVE

The members of the Deer Creek and Tule River Authority (Authority) desire to formalize their existing groundwater management practices for the continuance of local management and to enhance existing monitoring activities in a coordinated manner. Through this Groundwater Management Plan (Plan) the Authority will identify and implement modifications to ongoing practices in order to preserve and enhance groundwater resources. The Authority will organize existing and expanded groundwater management activities to facilitate the implementation of the Plan.

Preservation and enhancement of the groundwater resource is vital to sustaining the local economics which have been built up in reliance, in whole or in part, on this resource. The Authority's objective is to preserve the utility of the groundwater resource, both in terms of quantity and quality at the least possible cost. Enhancement or augmentation of the resource is necessary to mitigate the present level of overdraft and the attendant long-term decline in groundwater levels in the overall groundwater basin. The Plan objectives can be accomplished, at least cost, by joint implementation of the Plan through the Authority as opposed to individual implementation by the Authority members.

AUTHORITY

The Authority is organizing current and proposed groundwater management activities

under provision of Part 2.75 of Division 6 of the California Water Code commencing with Section 10750, otherwise known as AB3030, the Groundwater Management Act of 1992. The 1992 Act was amended in 2002 and 2004 to describe specific requirements for the Plan.

For the purpose of groundwater management, powers granted to an entity which adopts a Plan include the powers of a water replenishment district (Part 4, Division 18, California Water Code), to the extent not already possessed by the entity, but not limited to the following:

1. Acquire and operate facilities, waters and rights needed to replenish the groundwater supplies;
2. Store water in groundwater basins, acquire water rights, import water into the Authority and conserve water;
3.. Participate in legal proceedings as required to protect and defend water rights and water supplies and to prevent unlawful exportation of water from the Authority.
4. Under certain conditions to exercise the right of eminent domain;
5. Act jointly with other entities in order to economically perform required activities;
6. Carry out investigations required to implement the Plan;
7. Fix rates for water for replenishment purposes; and
8. Fix the terms and conditions of contracts for use of surface water in-lieu of groundwater.

PLAN ELEMENTS

Part 2.75, Groundwater Management, of the Water Code establishes required (§10753.7) and recommended (§10753.8) elements of a groundwater management plan. Bulletin 118 prepared by the Department of Water Resources (DWR) also provides recommendations for groundwater management plans.

The Authority's Plan has been prepared to address the requirements and recommendations for groundwater management plans. Table 1-1 summarizes these elements and their respective location within the Authority's Plan.

TABLE 1-1
PLAN SUMMARY
GROUNDWATER MANAGEMENT PLAN
DEER CREEK AND TULE RIVER AUTHORITY

SECTION REFERENCE	SUBJECT	PLAN LOCATION
REQUIRED PLAN ELEMENTS (Water Code §10753.7 (a))		
(1)	Basin management objectives	Section 4
(1)	Monitoring and Management: – groundwater levels – groundwater quality – land surface subsidence – changes of surface water flow and quality	 Section 5, Section 6 Section 5, Section 6 Section 5, Section 6 Section 5, Section 6
(2)	Plan to involve other agencies	Section 2, Section 5, Section 7
(3)	Map of groundwater basin and local agencies	Section 2
(4)	Monitoring protocols	Section 6
RECOMMENDED PLAN ELEMENTS (Water Code §10753.8)		
a.	Saline Water Intrusion	Section 5
b.	Wellhead Protection (Recharge Areas)	Section 5
c.	Migration of Contaminated Water	Section 5
d.	Well Abandonment/Destruction	Section 5
e.	Overdraft Mitigation	Section 5
f.	Groundwater Replenishment	Section 5
g.	Groundwater Extractions	Section 5
h.	Groundwater Monitoring	Section 5, Section 6
i.	Conjunctive Use	Section 5
j.	Well Construction Policies	Section 5
k.	Operation of Facilities	Section 5, Section 7
l.	Relationships with Other Agencies	Section 5
m.	Land Use Planning	Section 5

TABLE 1-1 (cont'd)
PLAN SUMMARY
GROUNDWATER MANAGEMENT PLAN
DEER CREEK AND TULE RIVER AUTHORITY

ADDITIONAL PLAN ELEMENTS (DWR Bulletin 118, Appendix C) (1)		
(4)	Advisory Committee of Stakeholders	Section 7, Appendix A
(5)	Groundwater basin description: – physical features and characteristics – historical data – issues of concern – historical and project water demands and supplies	Section 2
(8)	Existing and planned management actions	Section 5, Section 6
(10)	Monitoring program features: – map of monitoring sites – type and frequency of monitoring	Section 6
(12)	Groundwater Management Reports	Section 7
(13)	Plan re-evaluation	Section 7

Note: (1) DWR Bulletin 118, Appendix C outlines 14 required and recommended components for groundwater management plans. Required elements have been documented.

PLAN CONTACT INFORMATION

Questions or requests for additional information regarding the Authority's Plan should be directed to the Program Manager at the following address:

Deer Creek and Tule River Authority
357 East Olive Ave.
Tipton, CA 93272
Phone: 559/686-4716 FAX: 559/686-0151

Business Hours: 8:00 a.m. - 4:30 p.m.
Monday through Friday

The Authority meets on the 3rd Friday of each odd-numbered month. Authority meetings are held at above address and are open to the public.

SECTION 2
GENERAL
GROUNDWATER MANAGEMENT PLAN
DEER CREEK AND TULE RIVER AUTHORITY

SECTION 2
GENERAL
GROUNDWATER MANAGEMENT PLAN
DEER CREEK AND TULE RIVER AUTHORITY

DESCRIPTION OF AUTHORITY

The Deer Creek and Tule River Authority (Authority) is a joint powers Authority comprised of the following members: Lower Tule River Irrigation District, Pixley Irrigation District, Porterville Irrigation District, Saucelito Irrigation District, Stone Corral Irrigation District, Tea Pot Dome Water District and Terra Bella Irrigation District (Districts). The Authority's primary purpose is the joint exercise of the powers of the Authority members in order to facilitate more efficient operations and management of their activities. Integral to this purpose is the joint conjunctive management of the Authority members surface and groundwater supplies. The Authority will work with its members and other water entities to insure an adequate water supply.

The Districts were originally organized to provide a reliable water supply to their landowners. AB 3030 provides a means for local districts to jointly manage their individual supplies. In order to preserve local management and enhance existing groundwater management programs operated over many years by the Districts, the Board of Directors of the Authority on March 24, 1995, adopted a Groundwater Management Plan (Plan) under provisions of AB 3030. The 1994 Plan enabled the Authority to establish policies that served to enhance the overall management of the water supplies available to the Authority members.

In 2002 and 2004, Senate Bill (SB) 1938 and Assembly Bill (AB) 105, respectively, amended the requirements of groundwater management plans. This Plan incorporates the necessary elements to update the Authority's original 1994 Plan.

AB 3030 provides for the development of a groundwater management plan within the boundaries of the Authority members. The underlying groundwater basin is part of the larger Tulare Lake Basin as identified in State of California Bulletin 118. The management area for the Authority's Plan may include, by agreement, adjacent entities whose activities would influence the common groundwater resource. The Authority's member Districts and the Plan area is shown on Figure 2-1.

Plan Participants

The Authority will be responsible for the implementation of the Plan. The Authority's member Districts comprise the primary Plan Participants. The identification and involvement of additional Plan Participants will result from Plan activities.

The Plan Participants are presented in Appendix A. This Appendix will be revised accordingly to reflect the Plan's current participants.

Stakeholders

For the purposes of the Plan, a stakeholder will be defined as any individual, group, or entity located within the Plan Area that may be affected by the implementation of the Plan. Stakeholders can be Plan Participants.

An initial compilation of groundwater basin stakeholders is presented in Appendix A. Additional stakeholders may be identified through Plan activities.

Advisory Committee

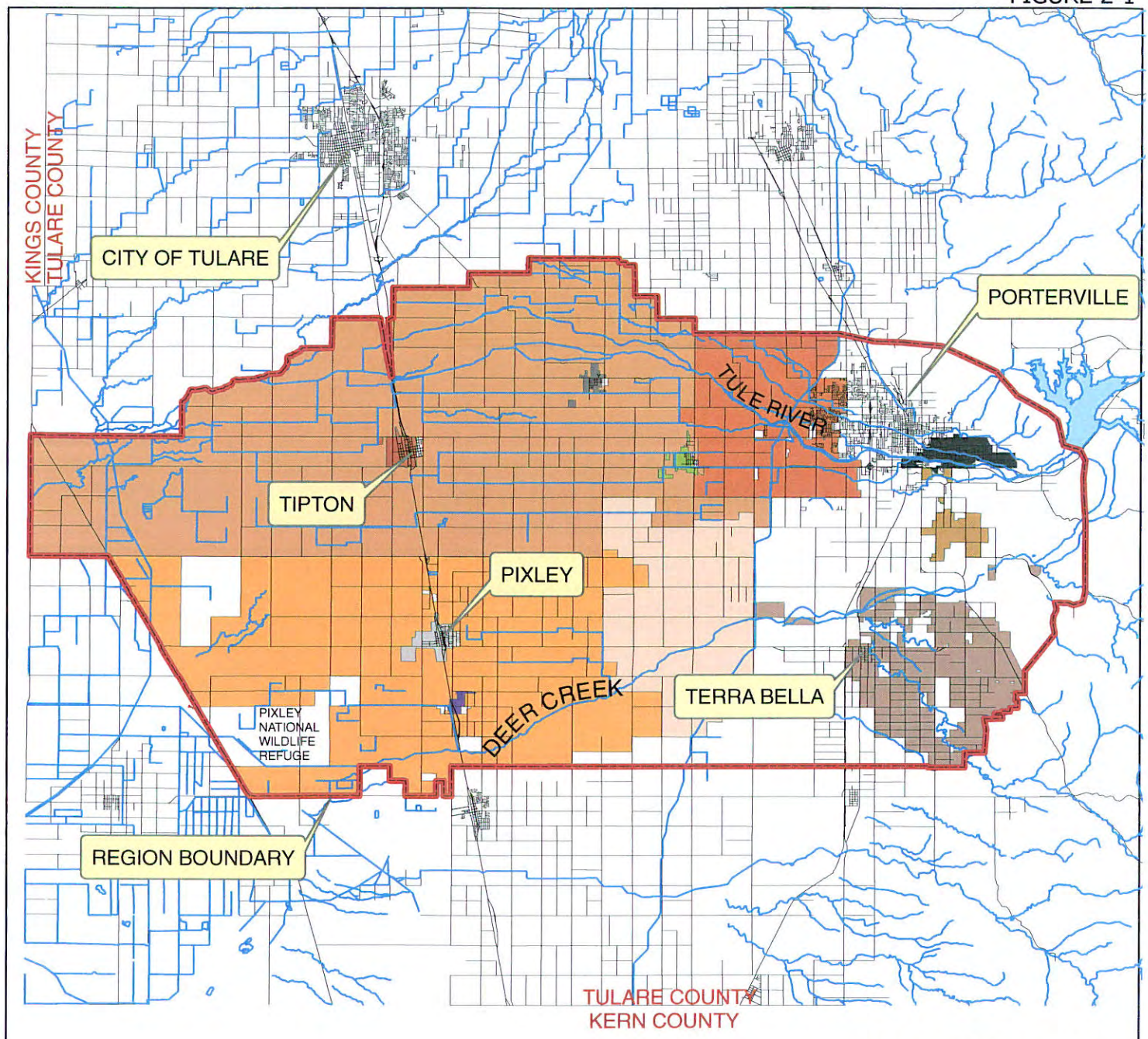
The Authority has created an Advisory Committee to oversee the development, implementation and subsequent refinement of the Plan. The members of the Advisory Committee are presented in Table 2-1.

TABLE 2-1
ADVISORY COMMITTEE MEMBERS
GROUNDWATER MANAGEMENT PLAN
DEER CREEK AND TULE RIVER AUTHORITY

NAME	TITLE	REPRESENTING DISTRICT
Dan Vink	General Manager	Lower Tule River Irrigation District
Dan Vink	General Manager	Pixley Irrigation District
Dave Hoffman	Manager	Porterville Irrigation District
Dave Hoffman	Manager	Saucelito Irrigation District
Keith Norris	Manager	Tea Pot Dome Water District
Sean Geivet	General Manager	Terra Bella Irrigation District
Dennis R. Keller	Consulting Civil Engineer	Authority Consultant

Additional Advisory Committee members may be identified and included during the implementation of the Authority's Plan.

FIGURE 2-1



SOURCE: TULARE COUNTY GRAPHICAL INFORMATION SYSTEM, 1999

LEGEND

GEOGRAPHICAL INFORMATION
- Boundary - Groundwater Management Plan
- Streams
- Streets
- Lake Success

PUBLIC UTILITY DISTRICTS
- Pixley Public Utility District
- Porter Vista Public Utility District
- Woodville Public Utility District

COMMUNITY SERVICES DISTRICTS
- Poplar Community Services District
- Teviston Community Services District
- Tipton Community Services District

IRRIGATION DISTRICTS
- Lower Tule River Irrigation District
- Pixley Irrigation District
- Porterville Irrigation District
- Saucelito Irrigation District
- Terra Bella Irrigation District
- Vandalia Irrigation District

N W E S

10 5 0 10 Miles

PLAN BOUNDARIES
GROUND WATER MANAGEMENT PLAN
DEER CREEK AND TULE RIVER AUTHORITY

KELLER/WEGLEY