

INITIAL

**AGRICULTURAL WATER
MANAGEMENT PLAN**



NOVEMBER 2010

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INTRODUCTION
WATER MANAGEMENT PLAN
KAWEAH DELTA WATER CONSERVATION DISTRICT

The Kaweah Delta Water Conservation District (District) became a water service contractor with the United States Bureau of Reclamation in 2010. This Water Management Plan (Plan) was prepared to comply with and satisfy the “Standard Criteria for Evaluating Water Management Plans” (Criteria). These Criteria were developed by the USBR in response to the Central Valley Project Improvement Act of 1992 (CVPIA) and updated in 2005.

The Criteria identified items that have been and will be evaluated in the 5-year updates of Water Management Plans prepared by districts in the Mid-Pacific Region. These Criteria were required by Public Law 102-575 Section 3405(e). This section of law also requires that all existing Water Management Plans be reviewed for adequacy.

Dennis R. Keller / James H. Wegley, Consulting Engineers, assisted the District in the preparation of this Water Management Plan.

Section 1: Description of the District

District Name: Kaweah Delta Water Conservation District

Contact Name: Mr. Mark Larsen

Title: General Manager

Telephone: (559) 747-5601

E-mail: kaweah@kdwcd.com

A. History

1. Date district formed: 1927 Date of first Reclamation contract: 1958-Short term # 14-06-200-7512)

Original size (acres): 340,000 ± Current year (last complete calendar year): 2007

Note: Historical data also utilized.

2. Current size, population, and irrigated acres

	Current Year
Size (acres)	340,000 ±
Population served	Not Applicable
Irrigated acres	285,000 ±

District is not a water purveyor.
Historical data.

3. Water supplies received in current year

2005 - Calendar Year (compiled from 2004-05, and 2005-06 water year data)

Water Source	AF
Federal urban water	--
Federal agricultural water	0
State water	--
Other Wholesaler (define)	--
Local surface water	943,902
Upslope drain water	--
District ground water	--
Transferred water	--
Recycled water	7,085
Other (define) (Section 215)	17,445
Total	968,432

Historical data.

4. Annual entitlement under each right and/or contract (new contract – 2010)

	AF	Source	Contract #	Contract Restrictions
USBR Urban AF/Y				
USBR Agriculture AF/Y	8,600	Friant-Kern	175r-1809A	water allocations
Other AF/Y				
Other AF/Y				

5. *Anticipated land-use changes*

Retired farmland for development purposes. Extent uncertain.
See Supplement for historical data.

6. *Cropping patterns (Agric only)*

See Supplement (2007 data).

List of current crops (crops with 5% or less of total acreage can be combined in the 'Other' category).

<i>Original Plan</i>		<i>Previous Plan</i>		<i>Current Plan</i>	
<i>Crop Name</i>	<i>Acres</i>	<i>Crop Name</i>	<i>Acres</i>	<i>Crop Name</i>	<i>Acres</i>
Cotton	19,048				
Alfalfa	47,027				
Grain	7,952				
Deciduous & Nuts	57,747				
Grapes	6,742				
Field	91,883				
Citrus	10,832				
<i>Other (<5%)</i>	6,911				
<i>Total</i>	248,142	<i>Total</i>		<i>Total</i>	

Other: Truck – 4,794 acres and pasture – 2,117 acres.

7. *Major irrigation methods (by acreage) (Agric only)*

<i>Original Plan</i>		<i>Previous Plan</i>		<i>Current Plan</i>	
<i>Irrigation Method</i>	<i>Acres</i>	<i>Irrigation Method</i>	<i>Acres</i>	<i>Irrigation Method</i>	<i>Acres</i>
See Supplement					
Table 1-3					
<i>Other</i>		<i>Other</i>		<i>Other</i>	
<i>Total</i>		<i>Total</i>		<i>Total</i>	

B. Location and Facilities

Attachment A shows points of delivery, turnouts (internal flow), and outflow (spill) points, measurement locations, conveyance system, storage facilities, operational loss recovery system, wells, and water quality monitoring locations

1. *Incoming measurement methods and locations*

See Attachment A

<i>Incoming Locations</i>	<i>Type of Measurement Device</i>	<i>Accuracy</i>
See Supplement		

2. <i>Current year Agricultural Conveyance System</i>		See Attachment A (Natural Stream System)	
<i>Miles Unlined - Canal</i>	<i>Miles Lined - Canal</i>	<i>Miles Piped</i>	<i>Miles - Other</i>

3. <i>Current year Urban Distribution System</i>		No Urban System	
<i>Miles AC Pipe</i>	<i>Miles Steel Pipe</i>	<i>Miles Cast Iron Pipe</i>	<i>Miles - Other</i>

4. *Storage facilities*

No storage facilities. The District operates and maintains groundwater recharge basins only. See Attachment F for basin details.

5. *Description of the agricultural spill recovery system*

Natural channels within the District receive agricultural spill water from three locations that serve various irrigation systems. Spills typically occur in above-average rainfall years. Spills are directed to the Kaweah River, Tule River and Cross Creek which all ultimately extend to the Tulare Lakebed. All spill water recovered at locations above the discharge points to the Tulare Lakebed accrues to the groundwater reservoir.

6. *Agricultural delivery system operation*

District does not operate any agricultural delivery systems. District maintains measurement systems for deliveries to other systems.

7. *Restrictions on water source(s)*

No known restrictions.

<i>Source</i>	<i>Restriction</i>	<i>Cause of Restriction</i>	<i>Effect on Operations</i>

8. *Proposed changes or additions to facilities and operations for the next 5 years*

The District proposes additional recharge facilities (basins) and associated diversion structures in the next 5 years.

C. Topography and Soils

1. *Topography of the district and its impact on water operations and management*

See Supplement.

2. *District soil associations (Agric only)*

<i>Soil Association</i>	<i>Estimated Acres</i>	<i>Effect on Water Operations and Management</i>
NRCS Class A	10% ±	High infiltration
NRCS Class B	50% ±	Moderate infiltration
NRCS Class C	25% ±	Slow infiltration
Class D	15% ±	Very slow infiltration

Source: Water Resources Investigation (2003)

See Appendix B, District Soils Map

3. *Agricultural limitations resulting from soil problems (Agric only)* No known limitations.

<i>Soil Problem</i>	<i>Estimated Acres</i>	<i>Effect on Water Operations and Management</i>

D. Climate

1. *General climate of the district service area*

See Supplement

	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Aug</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Annual</i>	
<i>Avg Precip.</i>	2.10	2.09	1.87	0.92	0.39	0.14	0.01	0.04	0.22	0.59	1.22	1.47	11.06	(1)
<i>Avg Temp.</i>	45.8	51.4	55.9	60.9	67.8	74.7	79.3	77.9	73.1	64.9	53.0	45.2	62.5	(1)
<i>Max. Temp. Avg.</i>	54.7	61.6	67.3	73.9	82.0	89.7	94.6	93.1	87.8	78.7	62.6	54.7	75.3	(1)
<i>Min. Temp Avg.</i>	38.4	41.9	45.6	49.1	54.9	60.8	65.3	64.1	59.5	52.1	41.6	37.3	51.0	(1)
<i>ETo</i>	0.76	1.67	2.88	4.15	5.75	7.01	8.07	7.19	5.05	3.30	1.78	0.78	48.39	(2)

Weather station ID 049367 *Data period: Year* 1971 *to Year* 2000 (1)
Visalia (#86) Lindcove 1/05 12/05 (2)

Average wind velocity 7.5 *Average annual frost-free days:* 255
(Ivanhoe Irrigation District, 2003)

2. *Impact of microclimates on water management within the service area*

No known microclimates.

E. Natural and Cultural Resources

1. *Natural resource areas within the service area*

<i>Name</i>	<i>Estimated Acres</i>	<i>Description</i>
Kaweah Oaks Preserve	324	Valley Oak Riparian Forest
J.K. Herbert Wetlands Prairie	725	Wetland Prairie/Grassland Habitat

2. *Description of district management of these resources in the past or present*

District does not have role in management of these areas. Areas are managed by Sequoia Riverlands Trust (Visalia, CA).

3. *Recreational and/or cultural resources areas within the service area* See Supplement

<i>Name</i>	<i>Estimated Acres</i>	<i>Description</i>

F. Operating Rules and Regulations

1. *Operating rules and regulations*
See Attachment C, District Rules and Regulations. District operates pursuant to statutory authority. See Supplement.
2. *Agricultural water allocation policy* No policy required
3. *Official and actual lead times necessary for water orders and shut-off (Agric only)*
Orders are not placed for recharge flows.
4. *Policies regarding surface and subsurface drainage from farms (Agric only)*
There are no subsurface drainage issues. Surface issues addressed by water quality coalition.
5. *Policies on water transfers by the district and its customers*
No transfer policies apply to Reclamation supplies.

G. Water Measurement, Pricing, and Billing

Agricultural Customers District is not a water purveyor. See Supplement.

1. *Number of farms* N/A
2. *Number of delivery points (turnouts and connections)* N/A
3. *Number of delivery points serving more than one farm* N/A
4. *Number of measured ~~delivery~~ points (meters and measurement devices)* 5
District measures flow in system at numerous points. See Attachment A and Supplement B.1
5. *Percentage of delivered water that was measured at a delivery point* 100
6. *Delivery point measurement device table (Agric only)*

<i>Measurement Type</i>	<i>Number</i>	<i>Accuracy (+/- percentage)</i>	<i>Reading Frequency (Days)</i>	<i>Calibration Frequency (Months)</i>	<i>Maintenance Frequency (Months)</i>
<i>Orifices</i>	-				
<i>Propeller meter</i>	9	3%	1 per day	1 per year	1 per year
<i>Weirs</i>	11	3%	2 per day	1 per year	1 per year
<i>Flumes</i>	16	3%	2 per day	1 per year	1 per year
<i>Venturi</i>	-				
<i>Metered gates</i>	-				
<i>Other (define)*</i>	10	8%	2 per day	6 times per month	1 per year
<i>Total</i>	46				

* Control section

Urban Customers Not Applicable

1. Total number of connections _____
2. Total number of metered connections _____
3. Total number of connections not billed by quantity _____
4. Percentage of water that was measured at delivery point _____
5. Percentage of delivered water that was billed by quantity _____

6. Measurement device table

Meter Size and Type	Number	Accuracy (+/-percentage)	Reading Frequency (Days)	Calibration Frequency (Months)	Maintenance Frequency (Months)
5/8-3/4"					
1"					
1 1/2"					
2"					
3"					
4"					
6"					
8"					
10"					
Compound					
Turbo					
Other (define)					
Total					

Agriculture and Urban Customers

1. Current year agriculture and /or urban water charges - including rate structures and billing frequency The District currently does not have any customers and has no basis or party to bill.

2. Annual charges collected from customers (current year data) Not Applicable

Charges (\$ unit)	Charge units (\$/af), (\$/ acre), (\$/hcf), (\$/customer) etc.	Units billed during year (af, acres, hcf, customer) etc.	\$ collected (\$ times units)
Fixed Charges			
Volumetric charges			
Charges (\$ unit)	Charge units (\$/af), (\$/ acre), (\$/hcf), (\$/customer) etc.	Units billed during year (af, acres, hcf, customer) etc.	\$ collected (\$ times units)

3. *Water-use data accounting procedures*

Not Applicable

H. Water Shortage Allocation Policies

1. *Current year water shortage policies or shortage response plan - specifying how reduced water supplies are allocated*

See Supplement on page S1-5.

2. *Current year policies that address wasteful use of water and enforcement methods*

See Supplement on page S1-6. There are currently no customers of the District.

SUPPLEMENT
SECTION 1
DESCRIPTION OF THE DISTRICT
WATER MANAGEMENT PLAN
KAWEAH DELTA WATER CONSERVATION DISTRICT

A. HISTORY

The Kaweah Delta Water Conservation District (District) was formed in 1927 under the provisions of the Water Conservation District Act of 1927. The District is not an agricultural or domestic water purveyor. The District's responsibilities include groundwater supply protection, surface water conservation and flood water control.

The District has contracted with the U.S. Bureau of Reclamation on both a short-term and a temporary basis for surplus surface water from the Friant-Kern Canal since 1958. During the 2005-2006 water year (October-September), the District took delivery of 12,316 acre-feet of surface water. Table 8 of the District's Water Management Plan (Section 2) summarizes the District's contracted water amounts for the previous 10 years. The principal purpose of the District's CVP contract is to provide water for the District's groundwater recharge and conjunctive use efforts.

Since the District is not an agricultural water purveyor, it does not conduct regular surveys of land use changes or crop inventories. The District monitors land use planning within its boundaries as part of its Groundwater Management Plan. The primary land-use change anticipated by the District is the conversion of agricultural land for development purposes. Historical land use data is summarized in Table 1-1. Table 1-2 presents historical crop patterns and other land usage.

TABLE 1-1
COMPARISON OF HISTORICAL LAND USE DATA
WATER MANAGEMENT PLAN
KAWEAH DELTA WATER CONSERVATION DISTRICT

Land Use Category	1958 ⁽¹⁾ (acres)	1968 ⁽²⁾ (acres)	1981 (acres)	1996 (acres)	2007 (acres)
Irrigated	224,800	255,900 ⁽³⁾	263,255	278,555	248,142
Idle or Fallow (including roads and canals)	39,100	27,900 ⁽³⁾	15,968	8,895	26,391
Urban	7,500	10,700	21,352	29,815	46,232
Farmsteads	3,500	4,500	10,397	12,008	10,730
Undeveloped	61,800	37,700	28,833	9,723	9,497
Totals:	336,700	336,700	341,786 ⁽⁴⁾	340,992 ⁽⁴⁾	340,992 ⁽⁴⁾

(1) By USBR and DWR.

(2) By KDWCD.

(3) Gross area; net cropped area is 245,680 acres.

(4) Total area based on GIS output does not equal calculated total. Difference is within 0.5%

TABLE 1-2
SUMMARY OF HISTORICAL LAND USAGE
KAWEAH DELTA WATER CONSERVATION DISTRICT

Category of Land Use	1981		2007	
	Acres	%	Acres	%
<u>Irrigated</u>				
Cotton	94,229	28%	19,048	6%
Alfalfa	33,977	10%	47,027	14%
Grain	65,062	19%	7,952	2%
Deciduous and Nuts	36,502	11%	57,747	17%
Pasture	8,873	3%	2,117	1%
Miscellaneous Field	2,911	1%	91,883	27%
Sugar Beets	1,869	1%	0	0%
Grapes	9,187	3%	6,742	2%
Citrus	6,337	2%	10,832	3%
Rice	313	0%	0	0%
Truck	3,995	1%	4,794	1%
	263,255	79%	248,142	73%
<u>Non-Irrigated</u>				
Urban, Commercial and Industrial	21,352	6%	46,232	14%
Farmsteads, Dairies, Feed Lots	10,397	3%	10,730	3%
Idle (Fallow)	13,923	4%	20,906	6%
Roads, Channel and Canals	2,045	1%	5,485	1%
Undeveloped	28,833	8%	9,497	3%
Unknown	246	0%	0	0%
Subtotal, Non-Irrigated	76,796	23%	92,850	27%
Total	340,051		340,992	

TABLE 1-3

IN-FIELD IRRIGATION EFFICIENCIES

WATER MANAGEMENT PLAN

KAWEAH DELTA WATER CONSERVATION DISTRICT

Crop Group	Period			
	1980-1985 (Percent)	1986-1990 (Percent)	1991-1995 (Percent)	1996-1997 (Percent) (1)
Cotton	70	74	78	78
Alfalfa	70	74	78	78
Grains	70	74	78	78
Deciduous Nuts and Fruits	70	72	75	77
Pasture	70	72	74	77
Miscellaneous Field Crops	70	72	74	77
Sugarbeets	70	72	74	77
Vineyards	70	72	74	77
Citrus	72	75	78	78
Truck Crops	70	72	74	77

(1) Latest period surveyed.

B. LOCATION AND FACILITIES

B.1. – The following are the current points of delivery and details related to these points for the District:

Cottonwood Creek Turnout (MP 66.46)

Cottonwood Creek is an ephemeral stream with a relatively low elevation watershed that principally carries rainstorm event generated flows. It is also used periodically in wet years by Ivanhoe Irrigation District for purposes of groundwater recharge of Friant Division and Kaweah River supplies.

Releases have generally been in the 15 to 25 cubic feet per second (cfs) range for groundwater recharge purposes. Flood flows have been as high as an estimated 5,000 cfs.

Tulare Irrigation District Turnout (MP 68.14)

This is the current diversion point for most of the Friant Division deliveries to the Tulare Irrigation District (TID). Annually, TID diverts in excess of 100,000 af of CVP entitlement on the average with instantaneous flows ranging up to 800 cfs through this turnout and channel system for irrigation and groundwater recharge purposes.

St. John's River Wasteway (MP 69.42)

The St. John's River is used as a primary delivery system for much of the Kaweah River water entitlement and also serves an important flood conveyance function. The District has used the St. John's River in the past to deliver CVP water under temporary and short-term contracts. On the average, over 190,000 af/y of Kaweah water is transported through the St. John's River with flows ranging in excess of 3,500 cfs.

Kaweah River Wasteway/Lower Kaweah River Branch (MP 71.29)

The Lower Kaweah River also is used as a primary delivery system for the Kaweah River water entitlement and also serves a flood conveyance function. The District has used the Lower Kaweah River in the past to deliver CVP water under temporary and short-term contracts. On average, over 200,000 af/y of Kaweah water is transported through the Lower Kaweah River with flows ranging in excess of 2,000 cfs.

Trauger Pumping Plant/Lewis Creek Turnout (MP 85.55)

The Trauger Pumping Plant Turnout from the Friant-Kern Canal is a main delivery point for the Lindsay-Strathmore Irrigation District's (LSID) CVP Friant Division water supply. Valving currently exists which would allow water from the forebay of the pumping plant to be subsequently diverted into Lewis Creek. This would take the cooperation of LSID. Lewis Creek, otherwise, is an ephemeral stream with a relatively low elevation watershed that principally carries rainstorm event generated flows. Except for possibly early in the Friant Division history, little water has been purposefully

diverted into Lewis Creek. It typically only carries flood waters with peak flows (25-year event) in the range of 3,000-4,000 cfs.

C. TOPOGRAPHY AND SOILS

The District is located on the east side of the south-central portion of the San Joaquin Valley. The District is characterized by low topographic relief, with variations rarely exceeding 10 feet except in stream channels. Elevations of the District vary from about 500 feet above sea level near the easterly boundary to about 200 feet at the westerly boundary. District lands generally slope in a southwesterly direction at about 10 feet per mile, with this slope lessening as the westerly boundary is approached.

The southern end of the San Joaquin Valley, also known as the Tulare Basin, is a closed feature without external surface drainage. Tributary streams drain to depressions, the largest of which is Tulare Lake bed located to the west of the District's boundary. The Kings, Kaweah, and Tule Rivers and, on occasion, the Kern River, discharge into Tulare Lake at times when flows exceed the capacity of foothill reservoirs and of the irrigation diversion systems.

The east side of the Valley constitutes a broad plain formed by large coalescing alluvial fans of streams draining the western slope of the Sierra Nevada. The Kaweah River alluvial fan or delta is separated from the large Kings River fan on the north by Cross Creek. On the south, Elk Bayou separates the Kaweah River fan from the Tule River fan. Cottonwood Creek, an intermediate stream between Kings and Kaweah Rivers, discharges onto the interfan area of these two systems. The Kaweah River fan is characterized by a network of natural channels of the Kaweah River and its distributaries as well as numerous canals constructed for irrigation purposes.

Figure 1-1 illustrates general soil classifications for the District. Detailed soil classification is presented in Attachment B.

D. CLIMATE

The climate of the District is typical of the San Joaquin Valley, being semiarid and characterized by mild winters and hot, dry summers. Mean annual temperature for Visalia is 62.5 degrees Fahrenheit. The average annual minimum and maximum temperatures are 50.3 and 75.5 degrees, respectively.

The average yearly rainfall in Visalia, located in the central portion of the District, is 11.06 inches for the period 1971 to 2000.

The climatological data for the District area presented in the preceding tables were obtained from the U.S. Weather Bureau stations at Visalia, for the 30-year period of 1971-2000, inclusive. Additional data was compiled from the California Irrigation Management Information System (CIMIS), Visalia Station.

E. NATURAL AND/OR CULTURAL RESOURCES

There are no significant recreational resources within the District. The District is aware of seasonal use of waterways such as the St. John's River, but activity is not sustainable due to water levels.

Cultural resources within the District are limited to archaeological finds and various historical sites associated with the cities of Visalia and Tulare and other historical communities. The region was home to the Yokut Indians, which used the Kaweah River. Subsequently there exists the potential for archaeological finds, primarily along the Kaweah River and other

undisturbed areas. Most of the District has been developed into agricultural or urban uses which significantly reduce the likelihood of new archaeological finds.

F. OPERATING RULES AND REGULATIONS

The District does not have formal operating rules and regulations. The District conducts activities that are consistent with its charter. The District's formation documentation and charter are included in Attachment C.

G. WATER MEASUREMENT PRICING AND BILLING

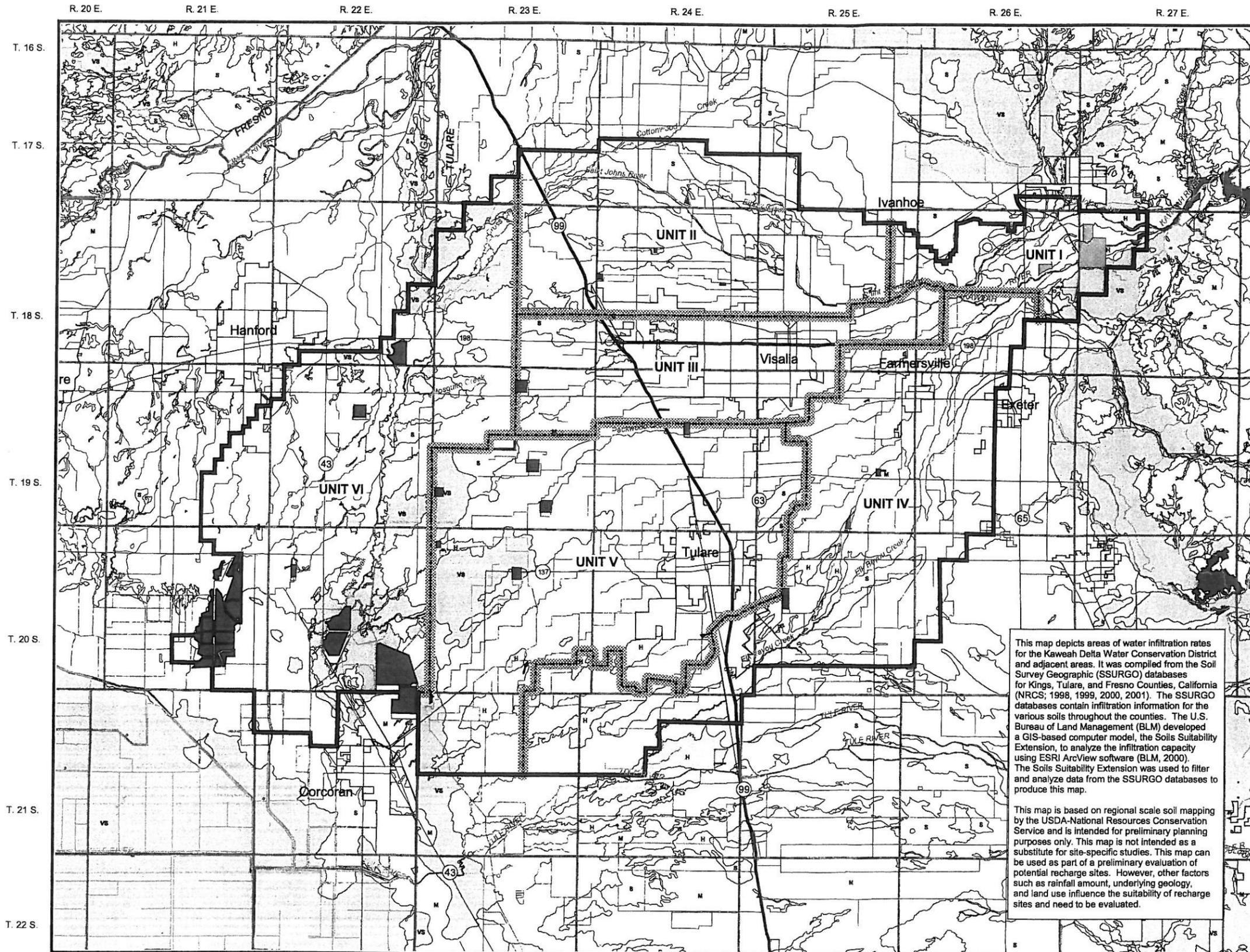
The District is not a water purveyor. Water flows through the District via natural water ways and irrigation district ditches and/or other conveyance facilities. The District utilizes these conveyance elements to deliver water to its groundwater recharge basins. The District utilizes its CVP water for recharge purposes only. The District operates and maintains several flow measurement devices throughout the District.

The District does not utilize a water rate structure to fund water purchases. Property taxes reflect an assessment that is received by the District resulting from a voter approved purchase of surface water rights.

H. WATER STORAGE ALLOCATION POLICIES

The District is not an agricultural or urban water purveyor. The District's water supplies are based upon availability of surface water. The District does not have specific water shortage policies or plans apart from elements of its Groundwater Management Plan (Attachment G). The District's policies aim to conserve water resources within the District.

The District's GMP includes provisions that include the authority to adopt water conservation policies (pg. 47), groundwater exportation measures (pg. 48) and pumping restrictions (pg. 49). At this time, however, the District has not found it necessary to implement these elements.



Legend

- District Boundary
- Hydrologic Unit Boundary
- County Line
- Township and Range Lines
- Streams
- Existing Recharge Basins
- Proposed Recharge Basins
- Urban Areas

Projection: California State Plane, Zone 4, NAD83, Feet

- H** High infiltration—NRCS Class A (low runoff potential). Soils with a high infiltration rate, even when thoroughly wetted. Chiefly consist of deep, well-drained to excessively drained sands or gravels. High rate of water transmission.
- M** Moderate infiltration—NRCS Class B. Soils with a moderate infiltration rate when thoroughly wetted. Chiefly are moderately deep to deep, moderately well-drained to well-drained soils with moderately fine to moderately coarse textures. Moderate rate of water transmission.
- S** Slow infiltration—NRCS Class C. Soils with a slow infiltration rate when thoroughly wetted. Chiefly have a layer that impedes downward movement of water or have a moderately fine to fine texture. Slow rate of water transmission
- SW** Slow infiltration (wet soils)—NRCS Class C/D. Wet soils with a slow infiltration rate. Chiefly have a layer that impedes downward movement of water or have a moderately fine to fine texture
- VS** Very slow infiltration—NRCS Class D (high runoff potential). Soils with a very slow infiltration rate when thoroughly wetted. Chiefly consist of clay soils that have a high swelling potential, soils that have a high permanent water table, soils that have a claypan or clay layer at or near the surface, and shallow soils over nearly impervious materials. Very slow rate of water transmission.
- ND** No data—Soil polygons for which no hydrologic group was assigned in the SSURGO digital database.

This map depicts areas of water infiltration rates for the Kaweah Delta Water Conservation District and adjacent areas. It was compiled from the Soil Survey Geographic (SSURGO) databases for Kings, Tulare, and Fresno Counties, California (NRCS; 1998, 1999, 2000, 2001). The SSURGO databases contain infiltration information for the various soils throughout the counties. The U.S. Bureau of Land Management (BLM) developed a GIS-based computer model, the Soils Suitability Extension, to analyze the infiltration capacity using ESRI ArcView software (BLM, 2000). The Soils Suitability Extension was used to filter and analyze data from the SSURGO databases to produce this map.

This map is based on regional scale soil mapping by the USDA-National Resources Conservation Service and is intended for preliminary planning purposes only. This map is not intended as a substitute for site-specific studies. This map can be used as part of a preliminary evaluation of potential recharge sites. However, other factors such as rainfall amount, underlying geology, and land use influence the suitability of recharge sites and need to be evaluated.



SCALE = 1:250,000



Kaweah Delta Water Conservation District

Soil Infiltration

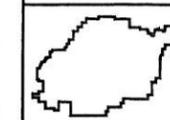


PLATE 24

C. Other Water Supplies

1. "Other" water used as part of the water supply
See the Water Inventory Tables, Table 1

D. Source Water Quality Monitoring Practices

1. Surface water and/or ground water quality problems, and how the quality problems limit the use of that source or affect customer use decisions
See Supplement.

2. Potable Water Quality (Urban only) - None.

3. Agricultural water quality concerns: Yes _____ No _____ **X** _____

4. Description of the agricultural water quality testing program and the role of each participant, including the district, in the program
See Supplement S2-2.

5. Current water quality monitoring programs for surface water by source (Agric only)
See Supplement.

<i>Analyses Performed</i>	<i>Frequency Range</i>	<i>Concentration Range</i>	<i>Average</i>

Current water quality monitoring programs for groundwater by source (Agric only)

District does not conduct groundwater quality monitoring.

<i>Analyses Performed</i>	<i>Frequency Range</i>	<i>Concentration Range</i>	<i>Average</i>

6. Current year total dissolve solid range for surface water and ground water (Agric only)

Surface water: 40 ± ppm Ground water: 260 ± ppm

(Non-storm water)

Source: Kaweah & St. Johns California Water Services Co.
 Rivers Association (Visalia District)

E. Water Uses Within the District

1. Agricultural
See Water Inventory Tables, Table 5 - Crop Water Needs

5. *Ground water recharge / management / banking in current year (Table 6)*

<i>Recharge Area</i>	<i>Method of Recharge</i>	<i>(AF)</i>	<i>Method of Retrieval</i>
Natural Channels	Seepage	74,929	
Irrigation Ditches	Seepage	161,718	
Basins	Percolation	149,000	
	Total	386,000 ±	Note - Water Year '05-'06

Source: 2006 Annual Groundwater Management Plan Report.

6. *Transfers and exchanges into or out of the service area in current year (Table 6)*

- NONE

<i>From Whom</i>	<i>To Whom</i>	<i>(AF)</i>	<i>Use</i>

7. *Trades, wheeling, wet/dry year exchanges or other transactions in current year (Table 6)*

- NONE

<i>From Whom</i>	<i>To Whom</i>	<i>(AF)</i>	<i>Use</i>

8. *Other uses of water in current year*

- NONE

<i>Other Uses</i>	<i>AF</i>

F. Irrigation Drainage from the Service area (Table 7) (Ag only)

Districts included in the drainage problem area, as identified in "A Management Plan for Agricultural Subsurface Drainage and Related Problems on the Westside San Joaquin Valley (September 1990)," should also complete Section 3 D.

District not part of drainage problem area.

See Facilities Map, Attachment A, for the location of surface and subsurface outflow points, outflow measurement points, outflow water-quality testing locations

- e. Ground water recharge (Table 6)*
 - f. Water exchanges and transfers (Table 6)*
 - g. Estimated deep percolation within the service area (Agric. Table 6)*
 - h. Flows to perched water table or saline sink (Agric. Table 7)*
 - i. Irrigation spill or drain water leaving the District (Agric. Table 6)*
 - j. Other*
3. *Overall Water Inventory*
- a. Table 6*

SUPPLEMENT
SECTION 2
INVENTORY OF WATER RESOURCES
WATER MANAGEMENT PLAN
KAWEAH DELTA WATER CONSERVATION DISTRICT

A. SURFACE WATER SUPPLY

Table 1 summarizes the surface water quantities that are measured or monitored by the District as part of its chartered activities, contracted responsibilities and groundwater management plan efforts. Table 1 consists of surface water quantities that are utilized by irrigation districts. The District's CVP water, unappropriated creek flow and stormwater/floodwater represent the surface waters available to the District.

B. GROUNDWATER SUPPLY - *No Additional Information*

C. OTHER WATER SUPPLIES

Other water supplies within the District consist of local Kaweah River water and CVP water that is contracted to other districts. The District monitors the diversion of CVP water into the District as part of its groundwater basin management efforts. The District does not have any rights associated with this CVP water. The District gains benefit for the groundwater through seepage and conveyance losses.

D. SOURCE WATER QUALITY MONITORING PRACTICES

There are no surface water quality problems that limit the use of surface water within the District. The groundwater does experience localized areas of contamination. The most common contaminant is Nitrogen. In general, low levels of contamination do not impact agricultural or

industrial use of groundwater. Contamination limits the use of the groundwater for domestic purposes.

The Kaweah and St. Johns Rivers Association (Rivers Association) conducts monthly monitoring of the surface water within the District as a condition of its Irrigated Lands Regulatory Program compliance. The Rivers Association currently tests for 68 constituents, which are summarized in Table 2-1, when water is present. The Rivers Association currently collects samples at six (6) locations. The sample locations are presented in Attachment A. Tables 2-2 through 2-7 present the results for several general water quality parameters, including bioassays, during times of agricultural water deliveries. Testing has revealed very few occurrences of detectable concentrations of metals and pesticides. The complete semi-annual monitoring reports are available for review at the District office.

E. WATER USES WITHIN THE DISTRICT - *No Additional Information*

F. IRRIGATION DRAINAGE FROM THE SERVICE AREA - *No Additional Information*

G. WATER ACCOUNTING (INVENTORY)

The District compiles water quantity information on a “Water Year” basis which extends from October through September. Calendar year data has been presented when possible. The District also utilized historical data, if current data was not readily available.

Table 1: See Part A, Section 2

Table 2: See Part B, Section 2

Table 3: See Item 4, Part E, Section 2.

The District does not account for recycled wastewater in its management efforts.

Quantity represents less than one (1) percent of surface water supplies.

Table 4: The District has inventoried the lengths of channels that are maintained by the District. The width was established to reflect the District-estimated seepage volume.

Table 5: The District does not compile crop-specific information.

The District summarizes historical total crop demand as part of its Water Resources Investigation efforts.

Table 6: The District is not an agricultural water purveyor and, therefore, does not inventory water supplies for resale purposes. The private groundwater quantity reflects historical (1981-1999) data. Since the crop water needs (Table 5) exceeds the available surface water, additional water will be required from groundwater sources.

Table 7: The District estimates that the annual change in groundwater storage is a decrease of 36,000 acre-feet per year (Water Resources Investigation, 2003).

The District's WRI identified and considered the presence of perched water tables resulting from confining soil layers. Although these conditions exist on the Southwestern portion of the District (near Corcoran), the WRI concluded that the District's groundwater basin can be considered an unconfined source due to considerable inter aquifer flow

(WRI, pg. 45). For the purposes of this Plan, therefore, the District did not consider any perched groundwater tables.

Table 8: See Part C, Section 2. The water quantities tabulated represent volumes that enter the District. The District does not have rights or contracts for all quantities listed. The quantities shown are provided on a water year (October through September) basis.

TABLE 2-1
 SURFACE WATER QUALITY MONITORING CONSTITUENTS (1)
 WATER MANAGEMENT PLAN
 KAWEAH DELTA WATER CONSERVATION DISTRICT

Constituent	Analytical Method	Maximum PQL	Reporting Units	Monitoring Phase	Minimum Sampling Frequency
PHYSICAL PARAMETERS					
Flow	Calculated	1	cfs	Phase 1, 2 & 3	(3)
pH	SM 4500-H&B or EPA 150.1	0.1	pH units	Phase 1, 2 & 3	(3)
Electrical Conductivity	EPA 9050A or EPA 120.1	100	umhos/cm	Phase 1, 2 & 3	(3)
Oxygen, Dissolved	SM 4500	0.1	mg O ₂ /L	Phase 1, 2 & 3	(3)
Temperature	SM 2250	0.1	°C	Phase 1, 2 & 3	(3)
Color	SM 2120B	5	Color Unit	Phase 1, 2 & 3	(3)
Turbidity	SM 2130B or EPA 180.1	1	NTUs	Phase 1, 2 & 3	(3)
Solids, Total Dissolved (TDS)	SM 2540C or EPA 160.1	10	mg/L	Phase 1, 2 & 3	(3)
TOC 5310 C	SM 5310C or EPA 415.1	0.5	ug/L	Phase 1, 2 & 3	(3)
DRINKING WATER					
E. Coli	SM 9221 or SM 9223B	2	MPN/100ml	Phase 1	(3)
TOC 5310 C	SM 5310C or EPA 415.1	0.5	ug/L	Phase 1	(3)
TOXICITY TESTS (2)					
Algae Toxicity	EPA 821-R02-013	NA	% Reduction	Phase 1	(3)
Water Column Toxicity	EPA 821-R02-012	NA	% Survival	Phase 1	(3)
Sediment Toxicity	EPA 600 R99-064	NA	% Survival	Phase 1	(4)
PESTICIDES					
Carbamates					
Aldicarb	EPA 8321A or EPA 632	0.5	ug/L	Phase 2	(3)
Carbaryl	EPA 8321A or EPA 633	0.5	ug/L	Phase 2	(3)
Carbofuran	EPA 8321A or EPA 634	0.5	ug/L	Phase 2	(3)
Methiocarb	EPA 8321A or EPA 635	0.5	ug/L	Phase 2	(3)
Methomyl	EPA 8321A or EPA 636	0.5	ug/L	Phase 2	(3)
Oxamyl	EPA 8321A or EPA 637	0.5	ug/L	Phase 2	(3)
Organochlorines					
DDD	EPA 8081A or 608	0.02	ug/L	Phase 2	(3)
DDE	EPA 8081A or 609	0.01	ug/L	Phase 2	(3)
DDT	EPA 8081A or 610	0.01	ug/L	Phase 2	(3)
Dicofol	EPA 8081A or 611	0.1	ug/L	Phase 2	(3)
Dieldrin	EPA 8081A or 612	0.01	ug/L	Phase 2	(3)
Endrin	EPA 8081A or 613	0.01	ug/L	Phase 2	(3)
Methoxychlor	EPA 8081A or 614	0.05	ug/L	Phase 2	(3)

Note:

1. Sampling and Testing conducted by Kaweah & St. Johns Rivers Association in accordance with its Conditional Waiver of Waste Discharge Requirement for Discharges from Irrigated Lands.
2. In addition to TIEs, sites identified as toxic in the initial screen shall be re-sampled to estimate the duration of the toxicant in the water body. Additional samples upstream of the original site should also be collected to determine the potential source(s) of the toxicant in the watershed.
3. Monitoring frequency is monthly during irrigation season and sampling of two major storm events during the storm season.
4. Sediment Toxicity Monitoring frequency is one sample during the irrigation season and one sample during the dormant season.
5. Alternative methods may be used for analysis of nutrients provided the methods are approved by the National Environmental Laboratory Accreditation must be included in the Coalition Group's QAPP and are subject to approval by the Water Board.

PQL	Practical Quantitation Limit	MPN	Most Probable Number
cfs	Cubic feet per second	NTU	Nephelometric turbidity unit
mg/L	milligrams per liter	ug/L	micrograms per liter
ml	milliliters	mg	milligrams
µmhos/cm	micromhos per centimeter	NA	Not applicable

TABLE 2-1 (continued)
 SURFACE WATER QUALITY MONITORING CONSTITUENTS (1)
 WATER MANAGEMENT PLAN
 KAWEAH DELTA WATER CONSERVATION DISTRICT

Constituent	Analytical Method	Maximum PQL	Reporting Units	Monitoring Phase	Minimum Sampling Frequency
PESTICIDES					
Organophosphorus					
Azinphos-methyl	EPA 8141A or EPA 614	0.1	ug/L	Phase 2	(3)
Chlorpyrifos	EPA 8141A or EPA 615	0.02	ug/L	Phase 2	(3)
Diazinon	EPA 8141A or EPA 616	0.02	ug/L	Phase 2	(3)
Dimethoate	EPA 8141A or EPA 617	0.1	ug/L	Phase 2	(3)
Disulfoton	EPA 8141A or EPA 618	0.1	ug/L	Phase 2	(3)
Malathion	EPA 8141A or EPA 619	0.1	ug/L	Phase 2	(3)
Methamidophos	EPA 8141A or EPA 620	0.2	ug/L	Phase 2	(3)
Methidathion	EPA 8141A or EPA 621	0.1	ug/L	Phase 2	(3)
Parathion-methyl	EPA 8141A or EPA 622	0.1	ug/L	Phase 2	(3)
Phorate	EPA 8141A or EPA 623	0.2	ug/L	Phase 2	(3)
Phosmet	EPA 8141A or EPA 624	0.2	ug/L	Phase 2	(3)
Pyrethroids					
Biphenhrin	EPA 1660 or EPA 8081A	0.05	ug/L	Phase 2	(3)
Cyfluthrin	EPA 1660 or EPA 8081A	0.05	ug/L	Phase 2	(3)
Cypermethrin	EPA 1660 or EPA 8081A	0.05	ug/L	Phase 2	(3)
Esfenvalerate	EPA 1660 or EPA 8081A	0.05	ug/L	Phase 2	(3)
Lambda-Cyhalothrin	EPA 1660 or EPA 8081A	0.05	ug/L	Phase 2	(3)
Permethrin	EPA 1660 or EPA 8081A	0.05	ug/L	Phase 2	(3)
Herbicides					
Atrazine	EPA 619 or EPA 507	0.5	ug/L	Phase 2	(3)
Cyanazine	EPA 619 or EPA 507	0.5	ug/L	Phase 2	(3)
Diuron	EPA 8321 or EPA 632	0.5	ug/L	Phase 2	(3)
Glyphosate	EPA 547	5	ug/L	Phase 2	(3)
Linuron	EPA 8321 or EPA 632	0.5	ug/L	Phase 2	(3)
Molinate	EPA 634 or EPA 507	0.5	ug/L	Phase 2	(3)
Paraquat dichloride	EPA 549.1	0.5	ug/L	Phase 2	(3)
Simazine	EPA 619 or EPA 507	0.5	ug/L	Phase 2	(3)
Thiobencarb	EPA 634 or EPA 507	0.5	ug/L	Phase 2	(3)
METALS					
Arsenic	EPA 200.7, 200.8 or 206.3	1	ug/L	Phase 2	(3)
Boron	EPA 200.7 or 200.8	10	ug/L	Phase 2	(3)
Cadmium	EPA 200.7, 200.8 or 213.2	0.1	ug/L	Phase 2	(3)
Copper	EPA 200.7, 200.8 or 220.2	0.5	ug/L	Phase 2	(3)
Lead	EPA 200.7, 200.8 or 239.2	0.5	ug/L	Phase 2	(3)
Nickel	EPA 200.7, 200.8 or 249.2	1	ug/L	Phase 2	(3)
Selenium	EPA 200.7, 200.8 or 270.3	1	ug/L	Phase 2	(3)
Zinc	EPA 200.7, 200.8 or 289.2	1	ug/L	Phase 2	(3)
NUTRIENTS (5)					
Total Kjeldahl Nitrogen	EPA 351.2 or 351.3	500	ug/L	Phase 2	(3)
Nitrate as NO3	EPA 300.1 or 353.2	50	ug/L	Phase 2	(3)
Nitrite as Nitrogen	EPA 300.1 or 353.2	50	ug/L	Phase 2	(3)
Ammonia	EPA 350.3 or SM4500 NH3	100	ug/L	Phase 2	(3)
Hardness	SM 2340 or EPA 130.1	10,000	ug/L	Phase 2	(3)
Total Phosphorous	EPA 365.1, 365.4, or SM 4500-P	10	ug/L	Phase 2	(3)
Soluble Orthophosphate	EPA 300.1, 365.1, or SM 4500-P	10	ug/L	Phase 2	(3)

Note:

1. Sampling and Testing conducted by Kaweah & St. Johns Rivers Association in accordance with its Conditional Waiver of Waste Discharge Requirement for Discharges from Irrigated Lands.
2. In addition to TIEs, sites identified as toxic in the initial screen shall be re-sampled to estimate the duration of the toxicant in the water body. Additional samples upstream of the original site should also be collected to determine the potential source(s) of the toxicant in the watershed.
3. Monitoring frequency is monthly during irrigation season and sampling of two major storm events during the storm season.
4. Sediment Toxicity Monitoring frequency is one sample during the irrigation season and one sample during the dormant season.
5. Alternative methods may be used for analysis of nutrients provided the methods are approved by the National Environmental Laboratory must be included in the Coalition Group's QAPP and are subject to approval by the Water Board.

PQL	Practical Quantitation Limit	MPN	Most Probable Number
cfs	Cubic feet per second	NTU	Nephelometric turbidity unit
mg/L	milligrams per liter	ug/L	micrograms per liter
ml	milliliters	mg	milligrams
umhos/cm	micromhos per centimeter	NA	Not applicable

TABLE 2-6
GENERAL SURFACE WATER QUALITY TESTING RESULTS - SP-5 (1)
WATER MANAGEMENT PLAN
KAWEAH DELTA WATER CONSERVATION DISTRICT

Constituent	Units	MCL	Basin Plan Objectives (1)	Results
SAMPLE TYPE				Irrigation
SAMPLE DATE				7/19/2006
Physical Parameters				
Flow (2)	cfs		-	250
Temperature (3)	°C		Temp. change < 5 °F	23.1
Color	units	15	No adverse effects.	15
Conductivity (3)	umhos/cm	1600	Irrigation season- 175 Remainder - controlled by storm flows	45
Odor (4)	TON	3	No adverse effects.	NA (4)
Oxygen, Dissolved (3)	mg/L		WARM: > 5.0	7.9
pH (3)	units		6.3 < pH < 8.3 or max. change > 0.3 above ambient	7.68
Solids, Total Dissolved (TDS)	mg/L	1000	-	30
Total Organic Carbon (5310 C)	ug/L		-	2000
Turbidity	NTU	5	No adverse effects.	4.0
Drinking Water (5)				
E. Coli	MPN/100 ml		REC-1: 200 (mean) 5 samples/30 period	276
Decafluorobiphenyl-Surrogate	% Rec			-
Bromodichloromethane	ug/L		-	NA (4)
Bromoform	ug/L		-	NA (4)
Chloroform	ug/L		-	NA (4)
Dibromochloromethane	ug/L		-	NA (4)
Total Trihalomethanes	ug/L	80	-	NA (4)
			No detrimental responses	
Toxicity				
Chronic Selenastrum Algae Growth Bioassay	million/ml	(Control)	-	2.404 (1,490)
Acute 96 Hour Fathead Minnow Biosassay	% Survival		-	46
Acute Ceriodaphnia Survival Biosassay	% Survival		-	100
Toxicity - Sediment (6)				
Hyaella Azteca 10-day Survival Biosassay	% Survival		-	87.5

Notes:

1. Sampling and Testing conducted by Kaweah & St. Johns Rivers Association in accordance with its Conditional Waiver of Waste Discharge Requirement for Discharges from Irrigated Lands.
2. Source - Water Quality Control Plan for the Tulare Lake Basin (Basin Plan), Second Edition, 1995, (RWQCB).
3. Estimate. Source of information - Kaweah Delta Water Conservation District.
4. Field measurement.
5. Not required by MRP Order No. R5-2005-0833. Testing no longer conducted.
6. Constituents tested voluntarily through 2005. Testing no longer conducted on trihalomethanes.
7. Sediment sample collected at the end of irrigation season.

Sample dates:	2004 Annual Report -	10/26/2004
	2005 Annual Report -	11/28/2005
	2006 Irrigation Season Annual Report -	11/24/2006

TABLE 2-7
GENERAL SURFACE WATER QUALITY TESTING RESULTS - SP-6 (1)
WATER MANAGEMENT PLAN
KAWEAH DELTA WATER CONSERVATION DISTRICT

Constituent	Units	MCL	Basin Plan Objectives (1)	Results
SAMPLE TYPE				Irrigation
SAMPLE DATE				7/19/2006
Physical Parameters				
Flow (2)	cfs		-	2
Temperature (3)	°C		Temp. change < 5 °F	35.3
Color	units	15	No adverse effects.	15
Conductivity (3)	umhos/cm	1600	Irrigation season- 175 Remainder - controlled by storm flows	51
Odor (4)	TON	3	No adverse effects.	NA (4)
Oxygen, Dissolved (3)	mg/L		WARM: > 5.0	8.1
pH (3)	units		6.3 < pH < 8.3 or max. change > 0.3 above ambient	9.24
Solids, Total Dissolved (TDS)	mg/L	1000	-	30
Total Organic Carbon (5310 C)	ug/L		-	2400
Turbidity	NTU	5	No adverse effects.	1.8
Drinking Water (5)				
E. Coli	MPN/100 ml		REC-1: 200 (mean) 5 samples/30 period	6
Decafluorobiphenyl-Surrogate	% Rec			-
Bromodichloromethane	ug/L		-	NA (4)
Bromoform	ug/L		-	NA (4)
Chloroform	ug/L		-	NA (4)
Dibromochloromethane	ug/L		-	NA (4)
Total Trihalomethanes	ug/L	80	-	NA (4)
			No detrimental responses	
Toxicity				
Chronic Selenastrum Algae Growth Bioassay	million/ml	(Control)	-	2.487 (1.490)
Acute 96 Hour Fathead Minnow Biosassay	% Survival		-	65
Acute Ceriodaphnia Survival Biosassay	% Survival		-	100
Toxicity - Sediment (6)				
Hyaella Azteca 10-day Survival Biosassay	% Survival		-	90.0

Notes:

1. Sampling and Testing conducted by Kaweah & St. Johns Rivers Association in accordance with its Conditional Waiver of Waste Discharge Requirement for Discharges from Irrigated Lands.
2. Source - Water Quality Control Plan for the Tulare Lake Basin (Basin Plan), Second Edition, 1995, (RWQCB).
3. Estimate. Source of information - Kaweah Delta Water Conservation District.
4. Field measurement.
5. Not required by MRP Order No. R5-2005-0833. Testing no longer conducted.
6. Constituents tested voluntarily through 2005. Testing no longer conducted on trihalomethanes.
7. Sediment sample collected at the end of irrigation season.

Sample dates:	2004 Annual Report -	10/26/2004
	2005 Annual Report -	11/28/2005
	2006 Irrigation Season Annual Report -	11/24/2006

Year of Data **Enter data year here**

Table 1

Surface Water Supply

2005 Month	Federal Ag Water (acre-feet)*	Federal non- Ag Water. (acre-feet)	State Water (acre-feet)	Local Water (acre-feet)	Water (define) (acre-feet)**	Upslope Drain Water (acre-feet)	Total (acre-feet)
Method	M1	-	-	M2	M1	-	
January	0	0	0	59,031	3,426	0	62,457
February	0	0	0	13,311	46,176	0	59,487
March	0	0	0	28,909	46,104	0	75,013
April	7532	0	0	52,261	30,939	0	90,732
May	4917	0	0	104,718	14,333	0	123,968
June	0	0	0	156,605	20,357	0	176,962
July	0	0	0	141,917	34,880	0	176,797
August	4996	0	0	115,883	21,862	0	142,741
September	0	0	0	22,885	4,503	0	27,388
October	0	0	0	5,410	0	0	5,410
November	0	0	0	604	0	0	604
December	0	0	0	19,789	0	0	19,789
TOTAL	17,445	-	-	721,323	222,580	-	961,348

* Section 215 Supplies.

** Non-CVP Transfers.

Table 2
Ground Water Supply

2005	Groundwater Groundwater	
Month	r	r
Method	(acre-feet)	*(acre-feet)
January	0	37,199
February	0	35,386
March	0	44,591
April	0	53,946
May	0	73,738
June	0	105,204
July	0	104,962
August	0	84,630
September	0	16,170
October	0	3,223
November	0	360
December	0	11,787
TOTAL	0	571,196

*normally estimated

Table 3

Total Water Supply

2005 Month	Surface Water Total (acre-feet)	Groundwater r (acre-feet)	M&I Wastewater (acre-feet)	District Water (acre-feet)
Method				
January	62,457	0	0	62,457
February	59,487	0	0	59,487
March	75,013	0	0	75,013
April	90,732	0	0	90,732
May	123,968	0	0	123,968
June	176,962	0	0	176,962
July	176,797	0	0	176,797
August	142,741	0	0	142,741
September	27,388	0	0	27,388
October	5,410	0	0	5,410
November	604	0	0	604
December	19,789	0	0	19,789
TOTAL	961,348	0	0	961,348

*Recycled M&I Wastewater is treated urban wastewater that is used for agriculture.

Table 4

Distribution System

2005 Canal, Pipeline, Lateral, Reservoir	Length (feet)	Width (feet)	Surface Area (square feet)	Precipitation (acre-feet)	Evaporation (acre-feet)	Spillage (acre-feet)	Seepage (acre-feet)	Total (acre-feet)
All Channels - Total	1,102,992	3	3,308,976	83	306	0	243,000	(243,224)
(District maintained only)	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TOTAL			3,308,976	83	306	0	243,000	242,776

Table 6

2005 District Water Inventory

Water Supply	Table 3		961,348
Riparian ET	(Distribution and Drain)	minus	0
Groundwater recharge	intentional - ponds, injection	minus	149,000
Seepage	Table 4	minus	243,000
Evaporation - Precipitation	Table 4	minus	224
Spillage	Table 4	minus	0
Transfers/exchanges/trades/wheel (into or out of the district)		plus/minus	0
Non-Agri deliveries	delivered to non-ag customers	minus	0
Water Available for sale to agricultural customers			569,124
<i>Compare the above line with the next line to help find data gaps</i>			
<u>2005 Actual Agricultural Water Sales</u>	From District Sales Records		0
Private Groundwater	Table 2	plus	571,196
Crop Water Needs	Table 5	minus	710,039
Drainwater outflow	(tail and tile not recycled)	minus	0
Percolation from Agricultural Land	(calculated)		(138,843)

Table 7

Influence on Groundwater and Saline Sink

2005

Agric Land Deep Perc + Seepage + Recharge - Groundwater Pumping = District Influence	392,000
Estimated actual change in ground water storage, including natural recharge)	(36,000)
Irrigated Acres (from Table 5)	270,100
Irrigated acres over a perched water table	0
Irrigated acres draining to a saline sink	0
Portion of percolation from agri seeping to a perched water table	0
Portion of percolation from agri seeping to a saline sink	0
Portion of On-Farm Drain water flowing to a perched water table/saline sink	0
Portion of Dist. Sys. seep/leaks/spills to perched water table/saline sink	0
Total (AF) flowing to a perched water table and saline sink	0

Table 8

Annual Water Quantities Delivered Under Each Right or Contract

Year	Federal Ag Water (acre-feet)	Federal non-Ag Water. (acre-feet)	State Water (acre-feet)	Local Water (acre-feet)	Other Water (define) (acre-feet)	Upslope Drain Water (acre-feet)	Total (acre-feet)
1996	8,461	0	0	574,542	119,880	0	702,883
1997	12,216	0	0	849,710	70,714	0	932,640
1998	1,017	0	0	1,047,804	78,014	0	1,126,835
1999	0	0	0	328,443	124,909	0	453,352
2000	11,062	0	0	398,671	103,174	0	512,907
2001	0	0	0	271,906	23,296	0	295,202
2002	1,611	0	0	274,890	40,043	0	316,544
2003	3,600	0	0	446,482	118,439	0	568,521
2004	0	0	0	306,050	34,374	0	340,424
2005	17,445	0	0	721,323	222,580	0	961,348
Total	55,412	0	0	5,219,821	935,423	0	6,210,656
Average	5,541	0	0	521,982	93,542	0	621,066

Section 3: Best Management Practices (BMPs) for Agricultural Contractors

A. Critical Agricultural BMPs

See Supplement, page S3-1, for introduction.

1. *Measure the volume of contract water delivered by the district for recharge with devices that are operated and maintained to a reasonable degree of accuracy, under most conditions, to +/- 6 percent*

The volume of CVP water delivered to the District is measured by the Friant Water Authority at each turnout. The total amount of CVP water delivered is utilized for recharge by the District and delivery of same to each of the recharge locations is measured. See the attached tabulation of historic CVP deliveries.

Number of delivery points that are unmeasured or do not meet the standards listed above: 0

Number of measurement devices installed last year: 0

Number of measurement devices installed this year: 1

Number of measurement devices to be installed next year: 0

<i>Types of Measurement Devices Being Installed</i>	<i>Accuracy</i>	<i>Total Installed During Current Year</i>
Parshall flume with SCADA link	± 2%	1

2. *Designate a water conservation coordinator to develop and implement the Plan and develop progress reports*

Name: Mr. Mark Larsen *Title:* General Manager

Address: 2975 North Farmersville Boulevard, Farmersville CA 93223

Telephone: (559) 747-5601 *E-mail:* kaweah@kdwcd.com

3. *Provide or support the availability of water management services to water users*

See Supplement, page S3-3.

a. On-Farm Evaluations

1) See Supplement, page S3-4.

	<i>Total in district</i>	<i># surveyed last year</i>	<i># surveyed in current year</i>	<i># projected for next year</i>	<i># projected 2nd yr in future</i>
<i>Irrigated acres</i>		N/A	N/A	40	80
<i>Number of farms</i>		N/A	N/A	1	2

2) Timely field and crop-specific water delivery information to the water user

b. Real-time and normal irrigation scheduling and crop ET information

Weekly and daily forecast information from the Friant Water Authority is available at the District office, along with published information from the California Agricultural Technology Institute and the local CIMIS stations. Website links to be provided in the 2011 water year. Availability to be noted in newsletter publication.

c. Surface, ground, and drainage water quantity and quality data provided to water users

Executive summaries, full reports and excerpts of documents containing water quality and quantity data generated for the Kaweah Basin are available at the District office. Refer to Supplement, page S2-2, repeated herein, for an example of the type and detail of available data. Website link to State database to be developed in 2011 water year. Availability to be noted in newsletter publication.

d. Agricultural water management educational programs and materials for farmers, staff, and the public

<i>Program</i>	<i>Co-Funders (If Any)</i>	<i>Yearly Targets</i>
Friant Water Line	Friant Division Contractors	Monthly
California Ag Tech Institute	Cal State University, Fresno	Continuous web
Ag-Tac (Tulare)	Southern California Edison Co.	Monthly Programs
See Supplement, page S3-5		

4. Pricing structure - based at least in part on quantity delivered

Explanation provided in Supplement, page S3-2.

5. Evaluate the need for changes in policies of the institutions to which the district is subject

The District has requested that Reclamation consider the development of Water Management Plan Guidelines for groundwater recharge/banking/management entities. In addition, the District is engaged with policy issues related to the Sacramento – San Joaquin Rivers delta, the restoration of the San Joaquin River and adequate evaluation of local project impacts utilizing CEQA.

6. Evaluate and improve efficiencies of district pumps

All diversions for the District are currently accomplished by gravity. No pumping installations currently exist.

B. Exemptible BMPs for Agricultural Contractors

1. *Facilitate alternative land use*

See Supplement, page S3-5.

<i>Drainage Characteristic</i>	<i>Acreage</i>	<i>Potential Alternate Uses</i>
<i>High water table (<5 feet)</i>		
<i>Poor drainage</i>		
<i>Ground water Selenium concentration > 50 ppb</i>		
<i>Poor productivity</i>		

2. *Facilitate use of available recycled urban wastewater that otherwise would not be used beneficially, meets all health and safety criteria, and does not cause harm to crops or soils*

<i>Sources of Recycled Urban Waste Water</i>	<i>AF/Y Available (Water Year)</i>	<i>AF/Y Currently Used in District</i>
City of Visalia	10,400	All
City of Tulare	6,500	All
City of Farmersville	850	All

3. *Facilitate the financing of capital improvements for on-farm irrigation systems*

See Supplement, page S3-6.

4. *Incentive pricing*

See Supplement, page S3-6.

5. a) *Line or pipe ditches and canals*

See Supplement, page S3-7.

<i>Canal/Lateral (Reach)</i>	<i>Type of Improvement</i>	<i>Number of Miles in Reach</i>	<i>Estimated Seepage (AF/Y)</i>	<i>Accomplished/Planned Date</i>

b) Regulatory reservoirs

(None in District)

<i>Reservoir Name</i>	<i>Annual Spill in Section (AF/Y)</i>	<i>Estimated Spill Recovery (AF/Y)</i>	<i>Accomplished/Planned Date</i>

6. *Increase flexibility in water ordering by, and delivery to, water users*

See Supplement, page S3-7.

7. *Construct and operate district spill and tailwater recovery systems*

<i>Distribution System Lateral</i>	<i>Annual Spill (AF/Y)</i>	<i>Quantity Recovered and reused (AF/Y)</i>
All federal water supply delivered to channels and basins. No spill is developed		
Total		

<i>Drainage System Lateral</i>	<i>Annual Drainage Outflow (AF/Y)</i>	<i>Quantity Recovered and reused (AF/Y)</i>
No drainage water recovery systems exist.		
Total		

8. *Optimize conjunctive use of surface and ground water*

See Supplement, page S3-8.

9. *Automate canal structures*

See Supplement, page S3-8.

10. *Facilitate or promote water customer pump testing and evaluation*

See Supplement, page S3-8.

C. Provide a 3-Year Budget for Implementing BMPs (2009 – first year)

1. Amount actually spent during current year.

<i>BMP #</i>	<i>BMP Name</i>	<i>Actual Expenditure (not including staff time)</i>	<i>Staff Hours</i>
A1	Measurement	\$45,000	50
2	Conservation staff	\$2,000	416
3	On-farm evaluations / water delivery info	\$164,000 (A)	78 (A)
	Irrigation Scheduling	\$0	0
	Water quality	\$46,000 (B)	24 (B)
	Agricultural Education Program	\$0	0
4	Quantity pricing	\$0	0
5	Policy changes	\$0	0
6	Contractor's pumps	\$0	0
B1	Alternative land use	\$500	104
2	Urban recycled water use	\$0	0
3	Financing of on-farm improvements	\$0	0
4	Incentive pricing	\$0	0
5	Line or pipe canals/install reservoirs	\$0	0
6	Increase delivery flexibility	\$0	0
7	District spill/tailwater recovery systems	\$0	0
8	Optimize conjunctive use	\$500	208
9	Automate canal structures	\$0	0
10	Customer pump testing	\$0	0
	<i>Total</i>	<u>\$258,000</u>	<u>880</u>

Notes: (A) Cost includes update of the District's Water Resources Investigation and development of a satellite – imagery based crop demand model.

(B) Includes District's share of cost in participating in the regional water quality coalition efforts.

2. Projected budget summary for the next year. (2010)

<i>BMP #</i>	<i>BMP Name</i>	<i>Budgeted Expenditure (not including staff time)</i>	<i>Staff Hours</i>
A1	Measurement	\$0	0
2	Conservation staff	\$2,000	416
3	On-farm evaluations / water delivery info	\$237,000 (A)	122 (A)
	Irrigation Scheduling	\$0	0
	Water quality	\$46,000 (B)	24 (B)
	Agricultural Education Program	\$0	0
4	Quantity pricing	\$0	0
5	Policy changes	\$0	0
6	Contractor's pumps	\$0	0
B1	Alternative land use	\$500	104
2	Urban recycled water use	\$0	0
3	Financing of on-farm improvements	\$0	0
4	Incentive pricing	\$0	0
5	Line or pipe canals/install reservoirs	\$0	0
6	Increase delivery flexibility	\$0	0
7	District spill/tailwater recovery systems	\$0	0
8	Optimize conjunctive use	\$500	208
9	Automate canal structures	\$100,000	100
10	Customer pump testing	\$0	0
	<i>Total</i>	<u>\$386,000</u>	<u>974</u>

3. Projected budget summary for 3rd year. (2011)

<i>BMP #</i>	<i>BMP Name</i>	<i>Budgeted Expenditure (not including staff time)</i>	<i>Staff Hours</i>
A1	Measurement	\$0	0
2	Conservation staff	\$2,000	416
3	On-farm evaluations / water delivery info	\$150,000 (A)	70 (A)
	Irrigation Scheduling	\$0	0
	Water quality	\$49,000 (B)	24 (B)
	Agricultural Education Program	\$0	0
4	Quantity pricing	\$0	0
5	Policy changes	\$0	0
6	Contractor's pumps	\$0	0
B1	Alternative land use	\$500	104
2	Urban recycled water use	\$0	0
3	Financing of on-farm improvements	\$0	0
4	Incentive pricing	\$0	0
5	Line or pipe canals/install reservoirs	\$0	0
6	Increase delivery flexibility	\$0	0
7	District spill/tailwater recovery systems	\$0	0
8	Optimize conjunctive use	\$500	208
9	Automate canal structures	\$300,000	200
10	Customer pump testing	\$0	0
	<i>Total</i>	<u>\$502,000</u>	<u>1,022</u>

D. Drainage Problem Area Programs

(for districts located in the drainage problem area, as defined in Attachment A)

The following programs have been incorporated in the district water conservation programs to improve conditions in the drainage problem areas.

No identified drainage problems exist.

<i>Activity</i>	<i>Program Description</i>	<i>Budget</i>	<i>Results</i>
<i>Source Control</i>			
<i>Land Retirement</i>			
<i>Drainage Water Treatment</i>			
<i>Drainage Water Reuse</i>			
<i>Shallow Groundwater Pumping</i>			
<i>Evaporation Ponds</i>			

The following programs were not been implemented because:

See Supplement, page S3-9

E. District Quantifiable Objectives (QOs)

(QOs for each district are identified in the QO Agency document in the Planner, Chapter 10)

See Supplement, page S3-9.

Discussion of District participation in the QOs that apply to the District See below

<i>Name of QO</i>	<i>Related BMP</i>	<i>Interest in Outside Funding</i>	<i>Agency Role</i>

SUPPLEMENT
SECTION 3
BMPs FOR AGRICULTURAL CONTRACTORS
WATER MANAGEMENT PLAN
KAWEAH DELTA WATER CONSERVATION DISTRICT

GENERAL

The District has, as its principal purposes, management of Kaweah River storm and flood flows and augmentation of the groundwater reservoir. The District utilizes its pre-1914 water rights and contracted CVP, Friant Division supplies for groundwater recharge purposes.

Several agricultural water supply contractors supply lands within the District. These contractors are:

1. Exeter Irrigation District;
2. Ivanhoe Irrigation District;
3. Kings County Water District (temporary);
4. Lakeside Irrigation Water District (temporary); and
5. Tulare Irrigation District.

The long-term CVP contractors are required to complete and maintain a Water Management Plan. Best Management Practices (BMP) selection and implementation are the responsibility of each respective entity.

A. CRITICAL AGRICULTURAL BMPs

The District currently is a member of the Southern San Joaquin Water Quality Coalition and, specifically, the Kaweah River Sub-watershed. The Kaweah and St. Johns Rivers Association (Rivers Association), of which the District is a member, is a copartner in the

Kaweah Sub- watershed and compiles semi-annual surface water quality data as part of its Waste Discharge Requirements for Discharges from Irrigated Lands monitoring and reporting efforts. The Rivers Association summarizes this data semi-annually. The monitoring and reporting program has been in place since 2004. The semi-annual reports are discussed at Rivers Association Board of Directors meetings which are open to the public for the water quality segment. The water quality data is readily available to the District.

The District measures and monitors surface water quantities throughout the District. The District compiles surface water quantity data for its Annual Groundwater Management Plan Report (Annual Report). The District presents this data at its annual Groundwater Management Plan meeting. The 2006 Annual Report is included as an example of the data which is compiled, analyzed and published. This Report is included herein as Attachment X.

The results of the District's groundwater monitoring efforts are also presented in the Annual Report. The District compiles groundwater elevation measurements as an assessment of overdraft conditions. In 2003, the District completed its Water Resource Investigation which estimated groundwater inflow, outflow and yield for the groundwater basin. An update to that report is currently in the process of being prepared. The District's Groundwater Management Plan identified the need to develop a groundwater quality monitoring program. The District is working to develop this element of said plan.

The District relies on property tax apportionment as its principal source of income. This source is supplemented by interest from funds held on account and a variable source of revenue from the net of produced power sold to production and capital replacement expense. Thus, parties extracting groundwater have contributed to the cost of recharge expense through payment of their property taxes. They incur additional expense in the groundwater extraction process in

the form of expense for well construction, pump and driver purchase and installation, electrical service and controls installation and maintenance and replacement activities related to these items. Additional costs are incurred for power purchases of the driver purchase and installation, electrical service and controls installation and maintenance and replacement activities related to these items. Additional costs are incurred for power purchases if the driver is electrical and for fuel and engine servicing if the driver is gasoline, diesel or natural gas powered. For the District area, these costs range from approximately \$30 per acre-foot on the east side, to in excess of \$100 per acre-foot on the west side. Of these amounts, \$18 per acre-foot is for energy charges on the east side and \$85 per acre-foot is for energy charges on the west side.

3. Water Management Services

GENERAL

To date, the District has made available the names and locations of sources of water management services to those interested parties requesting such information. The current information which is provided includes the following agencies:

- California Agricultural Technology Institute
- California Water Institute
- Center for Irrigation Technology
- Farm Advisors office, Agricultural Commissioner, Kings County
- Farm Advisors office, Agricultural Commissioner, Tulare County
- Irrigation and Training Research Center
- National Weather Service
- Northwest Kern Resource Conservation District (Pond-Poso)
- University of California – Agricultural Extension
- USDA – ARS Water Management Research Laboratory
- USDA – Farm Service Agency

The District has chosen to provide a fixed annual contribution to a mobile lab program to implement on-farm irrigation and drainage system evaluations. As additional support in this regard, a specific segment of the newsletter will be dedicated to the availability of the service and the related contact information. Additional information will be developed for informational purposes related to the benefits to be achieved as a result of an evaluation being performed. The informational efforts and mobile lab financial support will be an ongoing commitment.

The District is evaluating the creation of a summary publication, scheduled to be updated semi-annually, to be made available to interested parties. This publication would contain the information referenced above, along with the applicable contact data and specific area of emphasis. Listing of private consultants is being considered for inclusion. The District has committed to distribute the first newsletter no later than March 30, 2011. A draft of the proposed format and content will be submitted to Reclamation for comment in advance of publication and distribution. Distribution will initially be to participants in the Kaweah sub-watershed water quality coalition effort which has a membership of 576 landowners covering 147,362 acres. This distribution will be supplemented by one for the District's database of landowners holding in excess of 240 acres within the District boundaries. Currently there are 239 owners of land in this category covering a total of 163,000 acres. An evaluation of the combined distribution list will occur to determine if a sufficient percentage of landowners has been obtained. If not, additional efforts will be undertaken to reach out to the remaining RRA land ownership inventory containing 2,010 owners of the remaining 86,000 acres. Cross over issues between the RRA database and the water quality database will need to be addressed.

A.3.d. Supplemental Educational Program Efforts

In addition to the agricultural water management educational programs and information distribution listed, the District undertakes the following efforts on an annual basis:

Water Education Foundation – Central Valley Tour sponsorship. Involves afternoon tour of Lake Kaweah Enlargement Project, water supply discussion conducted by District staff and sponsorship of dinner. \$1,800 annual cost.

Sequoia For Youth – Involves morning program at start of 3-day watershed education program for middle school students with park rangers conducted by District staff. 4 sessions conducted annually.

EAT Foundation (Education and Ag Together) – Annual Ag II "Ag Water" education credits for teachers. Involves morning program at start of 2-day ag/urban water issues education program conducted by District staff and sponsor attending teachers tuition at \$5,000 annually. 2 sessions conducted annually.

World Ag Expo – Annual session on local water supply and groundwater issues by District staff.

Cal Farm Water Coalition – Sponsorship of efforts. \$2,500 annual cost support.

California Water Awareness Campaign – Sponsorship of efforts. \$1,500 annual cost support.

Family Water Alliance – Sponsorship of efforts. \$250 annual cost support.

Groundwater Resources Association – Membership. \$100 annual dues.

American Groundwater Trust – Membership. \$30 annual dues.

B. EXEMPTIBLE BMPs FOR AGRICULTURAL CONTRACTORS

1. Alternative Land Use

The District participates in land use planning activities as a part of its Groundwater Management Plan activities. The cities within the District and the County of Tulare maintain the District on their mailing list. The District is thereby informed of pending land use actions and is

provided an opportunity to comment on each one. To the extent that the District has knowledge or information regarding drainage characteristics, such information can be passed on to the final decision making body.

With specific reference to the drainage characteristic table, the District does not have lands which exhibit unaddressed high water table, poor drainage, adverse groundwater Selenium concentrations or poor productivity characteristics.

2. Recycle Urban Wastewater

Three domestic wastewater treatment facilities discharge treated wastewater to storage and reclamation areas. Disposal methods consist of evaporation, percolation and irrigation. The facilities manage the recycling of wastewater locally on municipality-owned land or adjacent farmland. The District benefits indirectly through groundwater recharge and additional supplemental surface water supplies.

3. Financing

While the District does not have the capability to directly finance on-farm irrigation system improvements, they are developing, within their newsletter mechanism, the capability to inform landowners within the District of available programs which do have that objective and capability. Website links will also be developed and will be available by the 2011 water year.

4. Incentive Pricing

As a part of their educational outreach process, the District is committed to address pricing related issues. These pricing related issues include those related to power consumption patterns, such as time-of-use pricing and those related to actual irrigation practices such as timing of use of groundwater within a season and weekend versus weekday use of surface water. Beyond these efforts, the District is unable to fully address the BMP requirements. As surface

water is not delivered, currently, to any landowners/growers, the District does not exercise control over any specific pricing mechanism(s).

5. Lining Channels and Reservoirs

One of the District's primary functions is to promote groundwater recharge. Lining of channels or piping of canals would directly counter the District's efforts. The District uses its contract water supply for groundwater recharge purposes. The District does not own, operate or maintain any reservoirs which are used for water use regulation. Reservoirs are used only for groundwater recharge and storm water control purposes.

6. Flexibility in Water Deliveries

The Kaweah River system operates as an on-demand system relative to the delivery of Kaweah River based supplies. The District's supply is utilized for recharge purposes. The delivery of the supply is not subject to the schedule of a specific user. Ordering of water from the Friant Water Authority by the District is based on the proper management of the supply for recharge purposes only at the current time.

7. Spill and Tailwater Recovery

The District utilizes surface waters for groundwater recharge purposes. Surface waters that cannot be used by the District and, therefore leave the District, remain available for downstream water needs including the Tulare Lakebed. Flows to the Tulare Lakebed can be stored there until they are rediverted and put to reasonable beneficial use. Project water is not ordered or diverted into the District if it cannot be properly managed within the District boundaries.

8. Conjunctive Use

The objective of this BMP is the integral component of the District's Groundwater Management Plan and integrated water resources management efforts. The District actively pursues surplus surface waters for groundwater recharge that subsequently may be utilized by landowners during low water years. Additional details regarding the District's conjunctive use efforts are described in Attachment X, the adopted Groundwater Management Plan and in the outcomes described in the District's Water Resource Investigation publication.

9. Automate Canal Structures

The District is a majority participant in the Kaweah River Power Authority. The Authority, in partnership with other member units of the Kaweah and St. Johns Rivers Association, has initiated improvements to the control structures associated with the Kaweah River and its distributaries. In conjunction with these structural improvements, a SCADA based control system has been designed and elements are being fabricated and installed on a planned, incremental basis. The control base for this system is in the District office.

Control gate installation and related SCADA controls are scheduled to be completed for the McKay Point structure during 2010. Operation of this structure allows for control of and division of flows between the Lower Kaweah River and the St. Johns River.

For 2011, planning is underway for improvements to the Wutchumna Water Company diversion from the Kaweah River including new physical control works and expansion of the District based SCADA control system.

10. Pump Testing and Evaluation

The District provides information related to pump testing and pump evaluation efforts. The list is currently short as there are limited sources for these services. These service contacts

will be contained in the upcoming newsletter as well as available links provided on the District's website.

C. BUDGETS FOR IMPLEMENTING BMPs

The District is in the process of developing specific budget line items to cover activities associated with surface water and groundwater management. Resources associated with BMPs, subsequently, are included in the District's general operating budget. The District has provided estimates of the level of effort for the reporting year and estimates for two (2) future years.

D. DRAINAGE PROBLEM AREA PROGRAMS - *No Additional Information*

E. DISTRICT QUANTIFIABLE OBJECTIVES

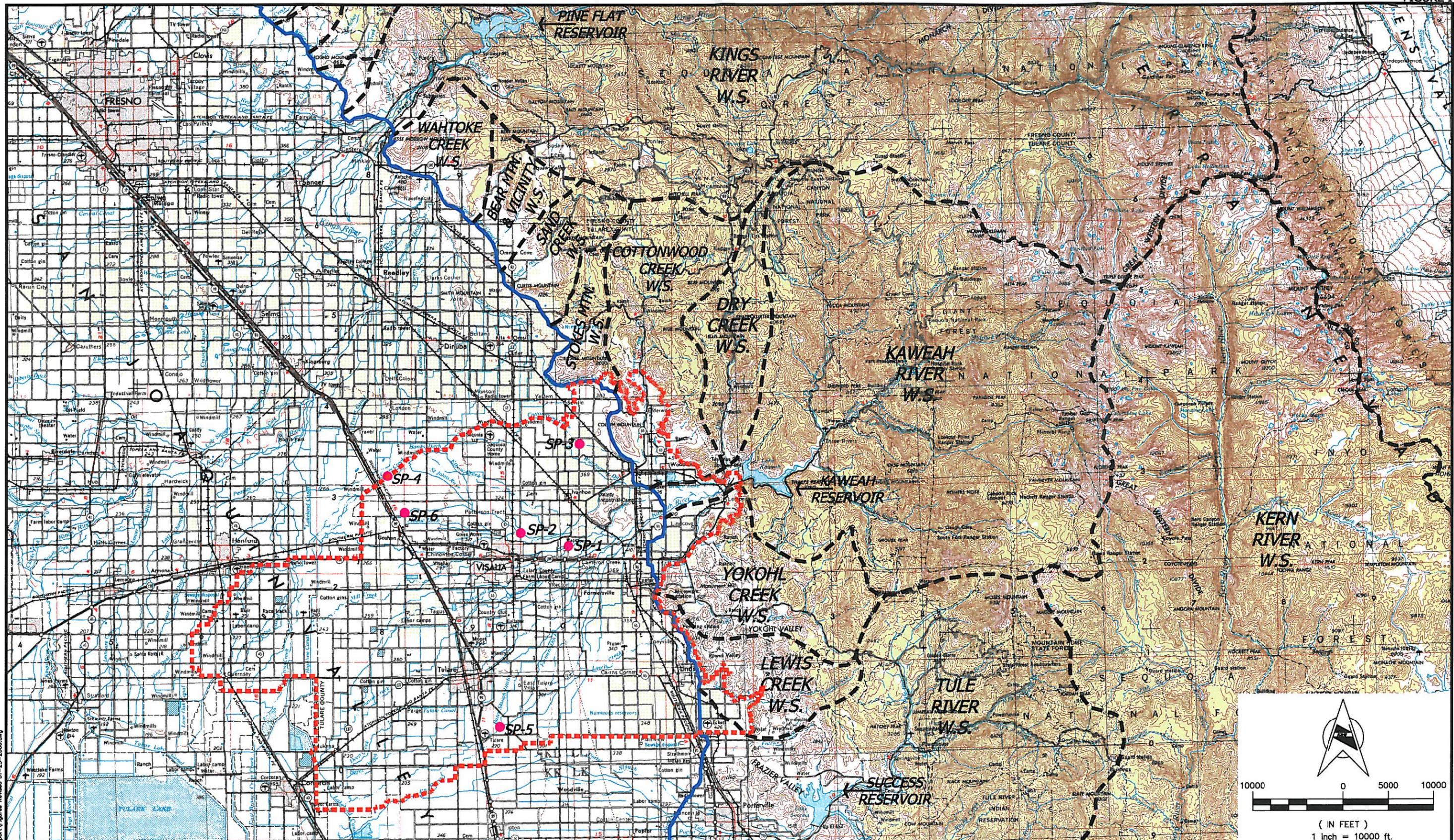
The District has recently become a long-term contractor and, therefore, does not currently have any identified quantifiable objectives listed in Part 10 of the Water Management Planner. Three irrigation districts (Exeter, Ivanhoe and Tulare) that have lands within the District have quantifiable objectives. The identified quantifiable objectives address increasing the water supply for beneficial uses by providing long-term diversion flexibility to benefit Pixley National Wildlife Refuge and the supply to salt impacted soils and to decreasing flows to salt sinks to increase the water supply for beneficial uses.

In addition to importing surface water for irrigation and groundwater recharge purposes, the District is developing potential projects to capture and retain floodwaters for beneficial uses during wet years, thus decreasing flows to the Tulare Lake Bed area. The District currently has no plans in place that would make water available to the Pixley National Wildlife Refuge. The District has multiple habitat preservation and restoration sites which are the candidate areas for

conserved water supply diversions. The District is in the process of developing a Habitat Conservation Plan and a Natural Communities Conservation Plan which will identify areas where conserved supplies could be directed to benefit habitat related areas.

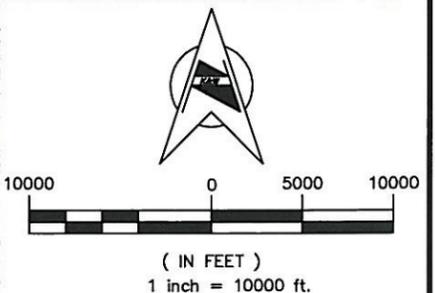
ATTACHMENT A

DISTRICT FACILITIES MAP(S) / FIGURES



- SAMPLING POINT LEGEND**
- SP-1 KAWEAH RIVER
 - SP-2 ST. JOHNS RIVER
 - SP-3 STONE CORRAL I.D. DISCHARGE
 - SP-4 CROSS CREEK @ HWY. 99
 - SP-5 ELK BAYOU
 - SP-6 GOSHEN DITCH

- LEGEND**
- FRIANT-KERN CANAL
 - WATERSHED BOUNDARY
 - SUB-WATERSHED BOUNDARY
 - SAMPLE POINT

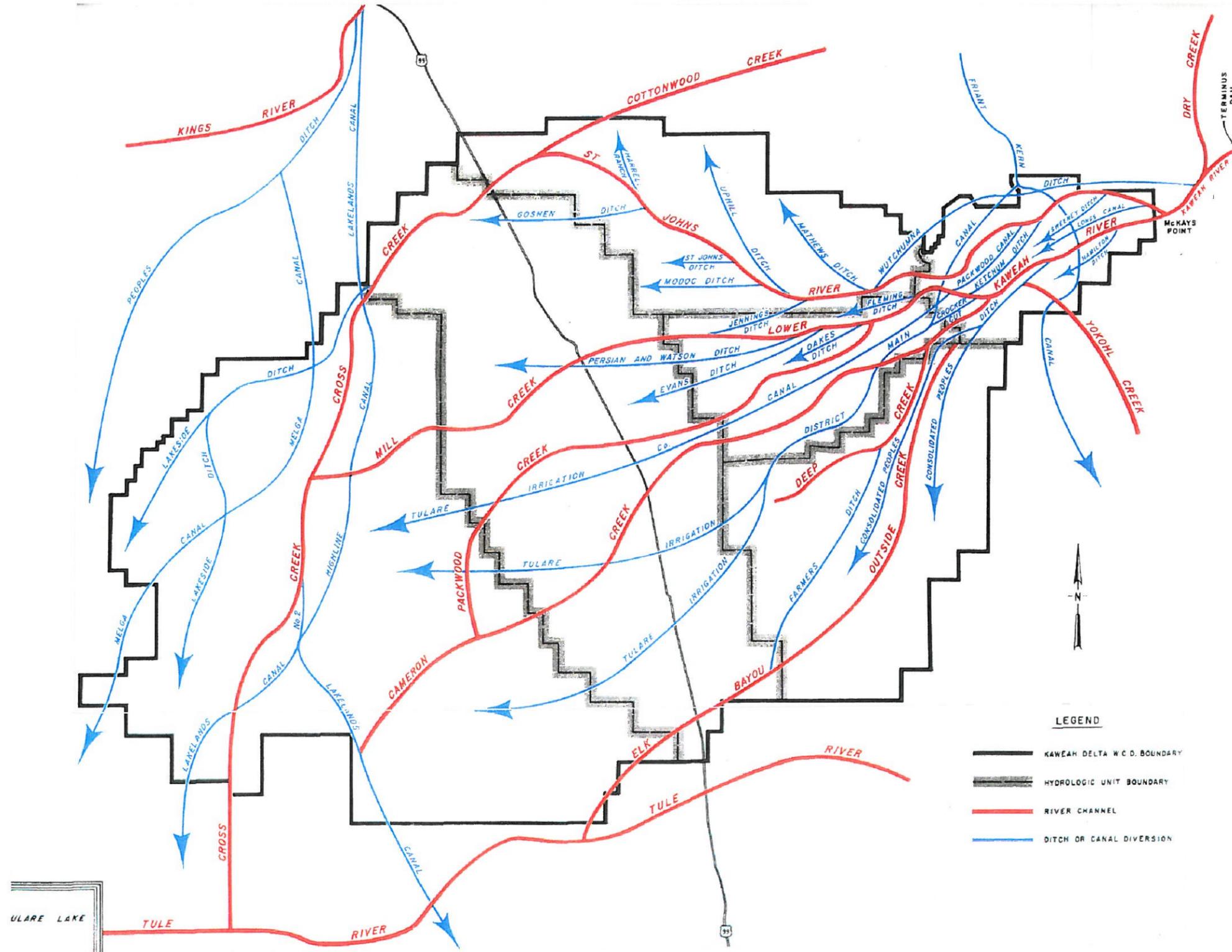


SOURCE:
 U.S.G.S. 1°x2° SERIES QUAD
 SHEET, FRESNO, CA 1962

Revision	Date	Description
2	01/23/06	Added SP-5 and SP-6
1	08/10/05	Relocated SP-4 upstream of Hwy. 99/R.R.

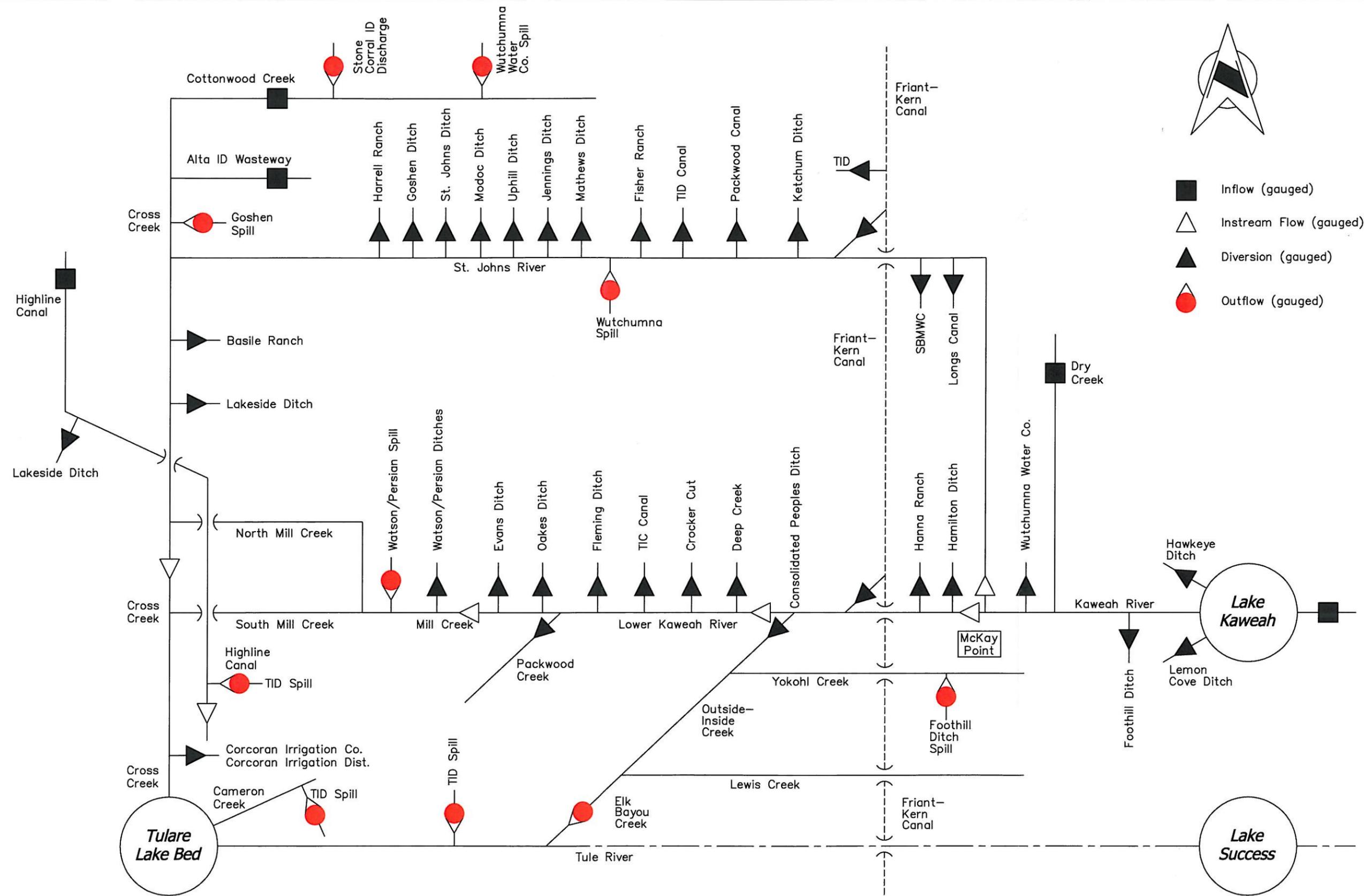
BASIN MAP
MONITORING AND REPORTING PROGRAM PLAN
 KAWEAH & ST. JOHNS RIVERS ASSOCIATION
 KELLER/WEGLEY

V:\SBA\2004 Annual Monitoring Report\Figures Revised 01-23-2006.dwg



Source:
Bookman and Edmonston, 1972

CHANNELS AND DIVERSIONS
KAWEAH & ST. JOHNS RIVERS ASSOCIATION



- Inflow (gauged)
- Instream Flow (gauged)
- Diversion (gauged)
- Outflow (gauged)

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KAWEAH RIVER SYSTEM SCHEMATIC
KAWEAH & ST. JOHNS RIVERS ASSOCIATION

ATTACHMENT B

DISTRICT SOILS MAP

TABLE B-1
SOILS INFORMATION - TULARE COUNTY (CENTRAL)
WATER MANAGEMENT PLAN
KAWEAH DELTA WATER CONSERVATION DISTRICT

Soil Classification No.	Soil Name (with slopes, if known)	Leaching Potential	Permeability	Soil Type
106	BLASINGAME SANDY LOAM, 15 TO 30 PERCENT SLOPES	Low	Moderate	Steep Upland Soils
124	EXETER LOAM, 0 TO 2 PERCENT SLOPES	Moderate	Moderate	Hardpan Soils
131	GRANGEVILLE SILT LOAM, DRAINED	Low	Rapid	Sandy Loam and Loam Soils
134	HAVALA LOAM, 0 TO 2 PERCENT SLOPES	Moderate	Moderate	Sandy Loam and Loam Soils
139	HONCUT SANDY LOAM, 0 TO 2 PERCENT SLOPES	Low	Rapid	Sandy Loam and Loam Soils
146	PITS	Rock	Rock	Rock
151	RIVERWASH	Under Water	Under Water	Water
153	SAN EMIGDIO LOAM	Moderate	Rapid	Sandy Loam and Loam Soils
154	SAN JOAQUIN LOAM, 0 TO 2 PERCENT SLOPES	Low	Moderate	Hardpan Soils
155	SAN JOAQUIN LOAM, 2 TO 9 PERCENT SLOPES	Low	Moderate	Hardpan Soils
164	TUJUNGA SAND	High	Very Rapid	Sandy Loam and Loam Soils
176	YETTEM SANDY LOAM, 0 TO 2 PERCENT SLOPES	Moderate	Rapid	Sandy Loam and Loam Soils
178	WATER	Under Water	Under Water	Water

Source of Data: Tulare County Graphical Information System (GIS), 1999;
based upon Soil Survey of Tulare County - Central Part, United States Department of Agriculture, 1982.

TABLE B-2
SOILS INFORMATION - TULARE COUNTY (WEST)
WATER MANAGEMENT PLAN
KAWEAH DELTA WATER CONSERVATION DISTRICT

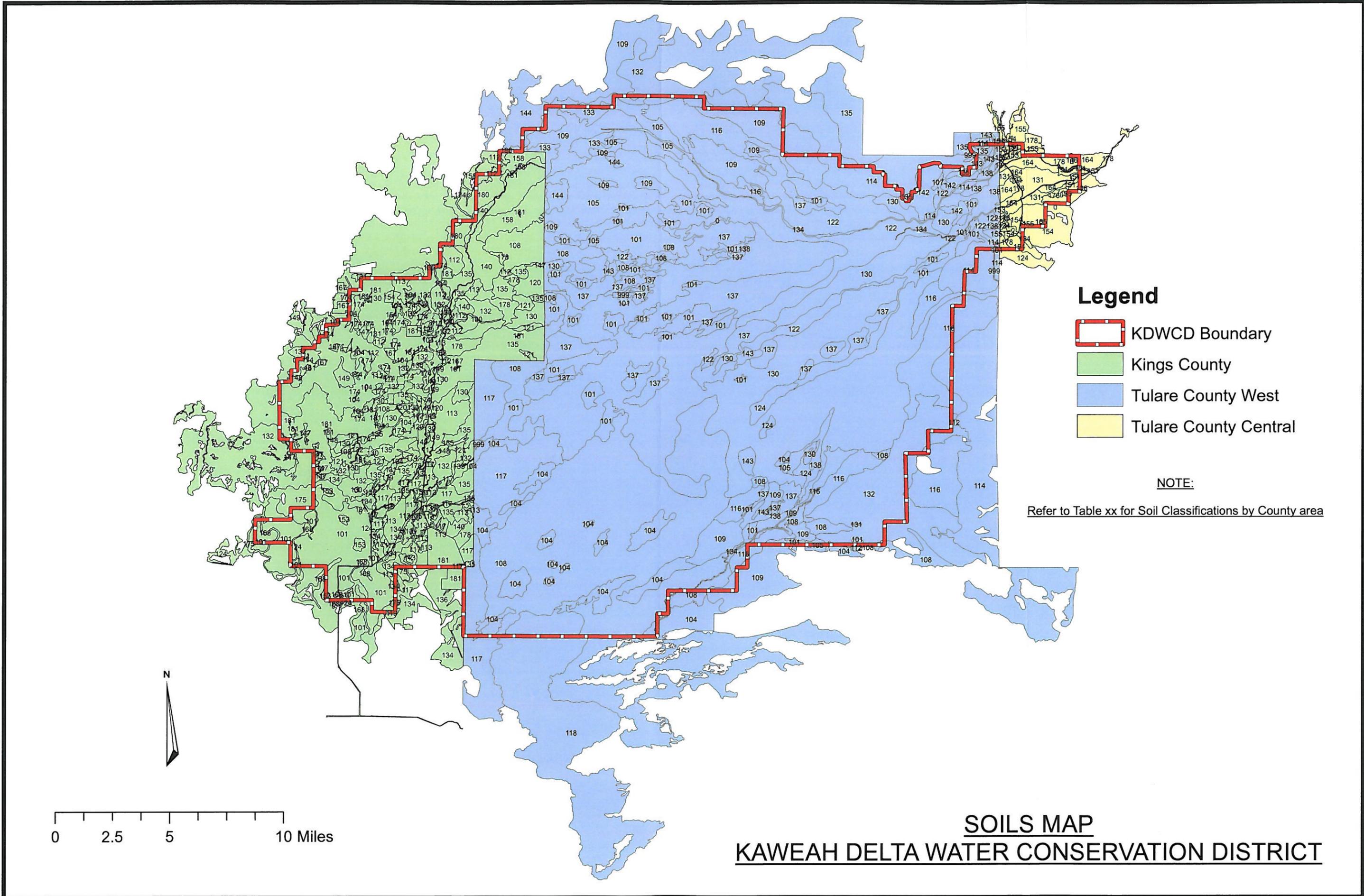
Soil Classification No.	Soil Name (with slopes, if known)	Leaching Potential	Permeability	Soil Type
101	Akers-Akers	High	Moderate	Deep Saline-Alkaline Soils
104	Biggriz-Biggriz	High	Moderate	Deep Saline-Alkaline Soils
105	Calgro-Calgro	Moderate	Moderate	Hardpan Soils
107	Centerville clay, 2-5% slope	High	Slow	Clay Soils
108	Colpien loam	Moderate	Moderate	Sandy Loam and Loam Soils
109	Crosscreek-Kai association	High	Moderate	Hardpan Soils
112	Dumps	Very Low	Rock	Rock
114	Exeter loam, 0-2% slope	Moderate	Moderate	Hardpan Soils
116	Flamen loam	Low	Moderate	Hardpan Soils
117	Gambogy loam	Moderate	Moderate	Sandy Loam and Loam Soils
118	Gambogy-Biggriz association	Moderate	Moderate	Deep Saline-Alkaline Soils
122	Grangeville sandy loam	Low	Rapid	Sandy Loam and Loam Soils
124	Hanford sandy loam	High	Rapid	Sandy Loam and Loam Soils
130	Nord fine sandy loam	Moderate	Moderate	Sandy Loam and Loam Soils
131	Pits	Rock	Rock	Rock
132	Quonal-Lewis association	High	Slow	Hardpan Soils
133	Remnoy silt loam	Low	Slow	Hardpan Soils
134	Riverwash	Under Water	Under Water	Water
134	Riverwash	Under Water	Under Water	Water
135	San Joaquin loam	Low	Moderate	Hardpan Soils
137	Tagus loam	Moderate	Moderate	Sandy Loam and Loam Soils
138	Tujungna loamy sand	High	Very Rapid	Sandy Loam and Loam Soils
142	Wutchumna-Rock outcrop association	Rock	Rock	Rock
143	Yettem sandy loam	Moderate	Rapid	Sandy Loam and Loam Soils
144	Youd loam	Low	Slow	Hardpan Soils
999	Water	Under Water	Under Water	Water

Source of Data: Tulare County Graphical Information System (GIS), 1999;
based upon Soil Survey of Tulare County - Western Part, United States Department of Agriculture, 1982.

TABLE B-3
SOILS INFORMATION - KINGS COUNTY
WATER MANAGEMENT PLAN
KAWEAH DELTA WATER CONSERVATION DISTRICT

Soil Classification No.	Soil Name (with slopes, if known)	Leaching Potential	Permeability	Soil Type
101	Armona loam, partially drained			
104	Cajon sandy loam	n/a	n/a	Loam
108	Corona silt loam	n/a	n/a	Sandy Loam
112	Excelsior sandy loam	n/a	n/a	Silt Loam
113	Garces loam	n/a	n/a	Sandy Loam
117	Goldberg loam, drained	n/a	n/a	Loam
119	Grangeville sandy loam, saline-alkali	n/a	n/a	Loam
120	Grangeville fine sandy loam, partially drained	n/a	n/a	Sandy Loam
121	Grangeville fine sandy loam, saline-alkali, partia	n/a	n/a	Fine Sandy Loam
124	Homeland fine sandy loam, partially drained	n/a	n/a	Fine Sandy Loam
130	Kimberlina fine sandy loam, saline alkali	n/a	n/a	Fine Sandy Loam
131	Kimberlina fine sandy loam, sandy substratum	n/a	n/a	Fine Sandy Loam
132	Kimberlina, saline alkali Garces complex	n/a	n/a	Fine Sandy Loam
134	Lakeside loam, partially drained	n/a	n/a	Garces Complex
135	Lakeside clay loam, drained	n/a	n/a	Loam
136	Lakeside clay, partially drained	n/a	n/a	Clay Loam
140	Melga silt loam	n/a	n/a	Clay
147	Nord fine sandy loam	n/a	n/a	Silt Loam
148	Nord fine sandy loam, saline alkali	n/a	n/a	Fine Sandy Loam
149	Nord complex	n/a	n/a	Fine Sandy Loam
153	Pitco clay, partially drained	n/a	n/a	Nord Complex
154	Pits and Dumps	n/a	n/a	Clay
158	Remnoy very fine sandy loam	n/a	n/a	Miscellaneous
167	Urban land	n/a	n/a	Very Fine Sandy Loam
168	Vanguard sandy loam, partially drained	n/a	n/a	Miscellaneous
174	Wasco sandy loam, 0 to 5 % slopes	n/a	n/a	Sandy Loam
175	Westcamp loam, partially drained	n/a	n/a	Sandy Loam
178	Westhaven clay loam, saline alkali, 0 to 2 % slope	n/a	n/a	Loam
179	Whitewolf coarse sandy loam	n/a	n/a	Clay Loam
180	Youd fine sandy loam	n/a	n/a	Course Sandy Loam
181	Ponding Basins, evaporation ponds, canals, & other	n/a	n/a	Fine Sandy Loam
				Miscellaneous

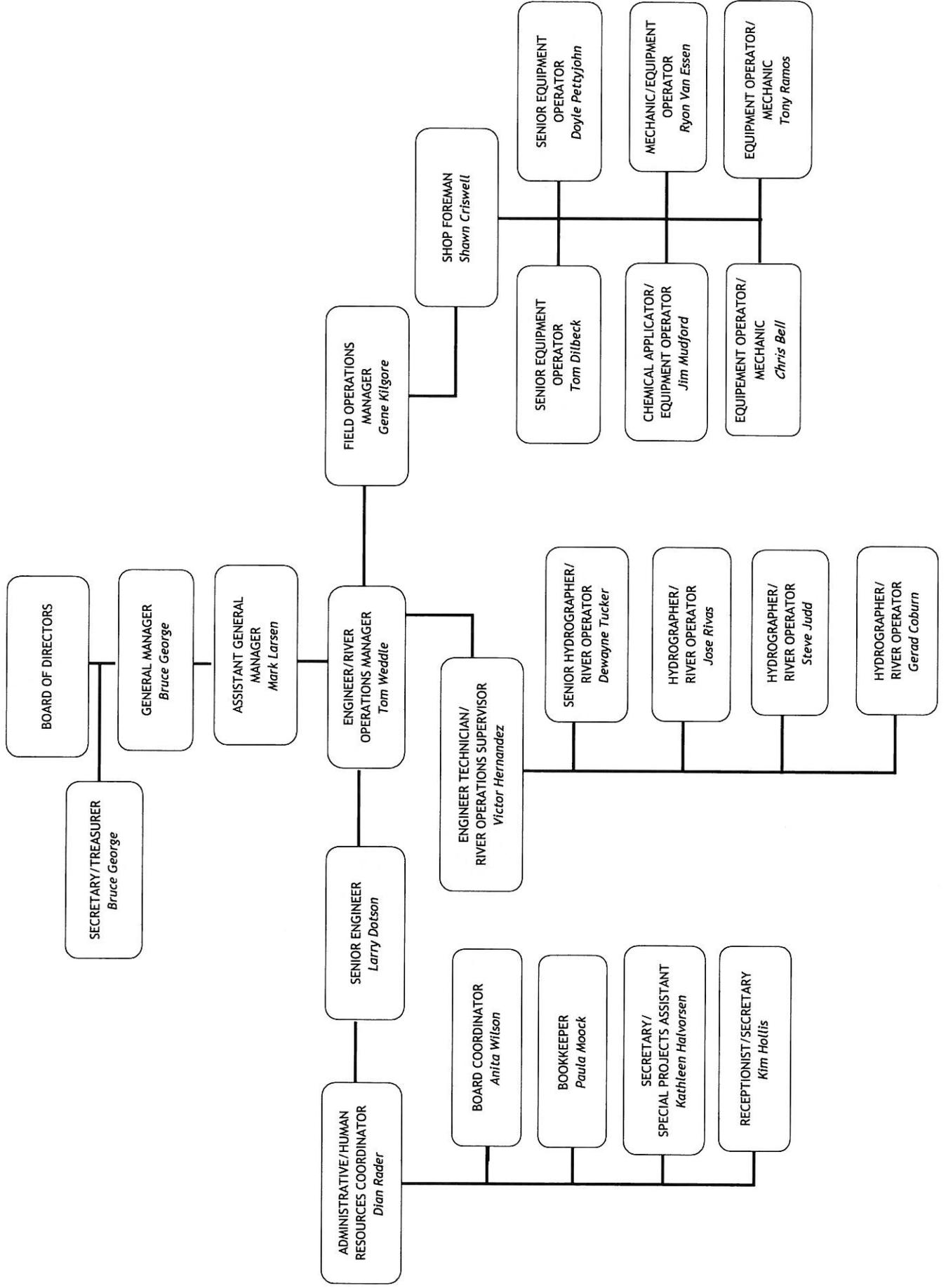
Source of Data: Kings County Graphical Information System (GIS).



ATTACHMENT C

DISTRICT RULES AND REGULATIONS
(FORMATION DOCUMENTS AND CHARTER)

KAWEAH DELTA WATER CONSERVATION DISTRICT ORGANIZATION CHART



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WEST'S ANNOTATED CALIFORNIA CODESWATER CODE APPENDIXCHAPTER 34. WATER CONSERVATION ACT OF 1927

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Current through end of 2001-02 Reg. Sess. and 1st through 3rd Ex. Sess.

and Nov.5, 2002 election

GENERAL NOTES

1968 Main Volume

<An Act to provide for the organization and government of water conservation districts for the purpose of conserving and storing the waters of any stream of water or unnavigable river by spreading and sinking such waters, and, for that purpose, to construct or acquire spreading basins, sinking wells and sinking basins and other works and property; and for the purpose of appropriating, acquiring and conserving water and water rights, and taking any and all actions and proceedings that may be necessary or advisable to conserve and protect the waters or water rights within the district used or useful for any purpose of the district, or of common benefit to the lands situated therein, and to prevent interference with or diminution of the natural flow of any stream or unnavigable river, including the natural subterranean supply of waters therefrom; to provide for the levying and collecting of taxes and special assessments to pay the costs and expenses incurred in relation thereto; to prohibit any director of a district from being interested in any contract with the district of which he is a director and making a violation of such provisions a misdemeanor; and to provide a method of dissolving such districts. (Stats.1927, c. 91, p. 160.)>

§ 34-1. District organization

Sec. 1. ORGANIZATION OF WATER CONSERVATION DISTRICTS. Water conservation districts may be organized and established by the board of supervisors of any county in this state, as herein expressly provided, when the conditions stated in this act are found to exist, and may exercise the powers herein expressly granted, or necessarily implied. Such districts may be entirely within unincorporated territory or partly within unincorporated and partly within incorporated territory, and within one or more counties of this state.

Whenever fifty or more owners, or the owners of more than one-half, of any body or bodies of land, situate within, and comprising the whole or a part or parts of the watershed of any stream of water or unnavigable river, or situate adjacent thereto, or deriving its water supply, in whole or in part, from such stream or river or the subterranean supply of waters therefrom, shall desire to conserve the waters of such stream or unnavigable river, they may propose the organization of a water conservation district under the provisions of this act, and, when so organized, such district shall have the powers, rights and duties conferred, or which may be conferred, by law, upon such water conservation districts. The equalized county assessment roll next preceding the presentation of a petition for the organization of a water conservation district under the provisions of this act, shall be sufficient evidence of ownership for the purposes of this act; *provided*, that no person who has received or acquired title to lands within such proposed district for the purpose of enabling him or her to join in such petition, or to become an elector of said district, shall be allowed to sign such petition or to vote at any election to be held in such district under the provisions of this act. Such illegal signing, however, shall not invalidate such petition when there shall be found a sufficient number of other legal petitioners.

§ 34-1.5. Limitation on formation of districts

Sec. 1.5. No water conservation district shall be performed pursuant to this act after September 17, 1965.

§ 34-2. Powers

Sec. 2. Any water conservation district organized and established as herein provided shall have all of the following powers:

- A. Succession.** To have perpetual succession.
- B. Suits.** To sue and be sued, except as otherwise provided herein or by law, in all actions and proceedings in all courts and tribunals of competent jurisdiction.
- C. Seal.** To adopt a seal and alter it at pleasure.
- D. Property.** To take by grant, appropriation, purchase, gift, devise, condemnation, or lease, and to hold, use, enjoy, and to sell, lease, or otherwise dispose of, real and personal property of every kind, within or without the district, necessary or convenient to the full exercise of its powers.
- E. Agreements with United States.** To make and perform any agreement with the United States, under the federal reclamation laws or otherwise, to the extent that it is not inconsistent with any state law applicable to the district, or with any state, county, district of any kind or zone or subdivision of such district, public corporation, or any person or any number of them, for any of the following purposes:
- (1) For the joint acquisition, disposition, or operation of any property of a kind which might be acquired by the district.
 - (2) To cooperate to obtain rights, permits, or licenses to appropriate water, and to purchase, acquire, sell, lease, or otherwise transfer or dispose of those rights, permits, or licenses in accordance with the agreement.
 - (3) For the transfer of assets, for the public purpose of water conservation, to the United States, the state, or any county, district of any kind, or zone or subdivision of such district, or a public corporation of the state, having power to use those assets for purposes of water conservation and to make the transfer without consideration.
 - (4) To acquire assets, for the public purpose of water conservation, by transfer without consideration from the United States, the state, or any county, district of any kind, or zone or subdivision of such district, or a public corporation of the state, having the power to use those assets for purposes of water conservation.
 - (5) To acquire, store, and distribute a surface water supply for purposes of irrigation, seasonal storage, or underground replenishment, or for any or all those purposes.
 - (6) To provide for the construction, operation, or maintenance of such works, facilities, or operations within or without the district boundaries as the board deems necessary to protect the land in or property of the district, from damage by flood or overflow, to replenish underground water, or to store, supply, or distribute surface waters to lands within the district, and to contribute to the cost or expense thereof out of its general fund or any special fund provided therefor. Nothing contained in this act shall be deemed to empower a district organized hereunder to acquire a supply of water or any right to a supply of water from an underground source. However, this limitation does not apply to any district, all or any portion of the water supply of which is secured from an underground source on October 1, 1953; except that the acquisition is authorized if acquired incidental to acquisition of land for other purposes of the district; provided, that the district shall not exercise those rights so acquired.

F. Surveys, conservation, etc. To make surveys and investigations of the water supply and resources of the district; to conserve and store water by acquiring dams, dam sites, reservoirs, reservoir sites, canals, ditches and conduits, and constructing dams and reservoirs for storage of water, and by spreading and sinking water; to build, construct, or acquire the necessary dams, dam sites, reservoirs, reservoir sites, canals, ditches and conduits, spreading basins, sinking wells, and sinking basins therefor; to maintain, operate, and repair any of the constructions herein named; to appropriate, acquire, and conserve water and water rights for any useful purpose; to commence, maintain, intervene in and compromise, in the name of the district, and to assume the costs of, any action or proceeding involving or affecting the ownership or use of water or water rights within the district, used or useful for any purpose of the district, or of common benefit to the lands situated therein; to commence, maintain, intervene in, defend, and compromise actions and proceedings to prevent interference with or diminution of the natural flow of any stream or unnavigable river, including the natural subterranean supply of waters therefrom, which may be used, or useful, for any purpose of the district, or a common benefit to the lands within the district or its inhabitants; and to commence, maintain, and defend actions and proceedings to prevent any such interference with those waters as may endanger the inhabitants or lands of the district.

G. Eminent domain. To exercise the right of eminent domain to take any property necessary to be used for spreading basins, sinking wells, or sinking basins, or to operate or to make use of them, or otherwise necessary to accomplish the purposes of this act.

H. Taxation. To cause taxes to be levied, as herein provided, for the purpose of paying any obligations of the district and to accomplish the purposes of this act in the manner herein provided.

I. Contracts. To make contracts, to employ labor, and to do all acts necessary for the full exercise of the powers herein granted; provided, that the district shall not have power to commence, intervene in, compromise, maintain, or defend actions, or pay their costs in controversies between the owners of lands or water rights within the boundaries of the district and which do not involve taking water outside of, or away from, the district.

J. Tolls and charges. To fix and collect tolls or charges for water supplied for surface irrigation.

K. Contract validation proceedings. To submit any contract or proposed contract to the superior court of the county in which is situated the office of the board to determine the validity thereof and the authority of the district to make the contract. The validation proceedings shall be had as in the ordinary case of the judicial determination of the validity of irrigation district bonds, and with like effect.

L. Works and facilities. To provide for, construct, maintain, and operate such works and facilities, within or without its boundaries, as the board may deem necessary to protect the land in, or the property of, the district, from damage by flood or overflow, or to store, supply, or distribute surface waters to lands within the district, and to pay the cost and expense thereof out of its general fund or any special fund provided therefor. Nothing contained in this act shall be deemed to empower a district organized hereunder to acquire a supply of water or any right to a supply of water from an underground source. However, this limitation does not apply to any district, all or any portion of the water supply of which is secured from an underground source on October 1, 1953; except that the acquisition is authorized if acquired incidental to acquisition of land for other purposes of the district; provided, that the district shall not exercise those rights so acquired.

M. Rules and regulations. To establish rules and regulations regarding the sale of water, its distribution, and the collection of tolls and charges therefor, and to therein provide for payment in advance of delivery and for refusal of water delivery to persons against whom there are delinquent water tolls or charges. Nothing herein shall be construed as requiring the district to deliver water to any person or lands within the district, ratably or otherwise.

N. **Hydroelectric power.** To generate and sell at wholesale hydroelectric power to the United States of America or any board, department, or agency thereof, to the state for the purposes of the State Water Resources Development System, and to any other public agency or district, private corporation, or any other person or entity, or any combination thereof, engaged in the sale of electric power at retail, and to construct or otherwise acquire and operate and maintain any and all works and facilities necessary or convenient for the generation, transmission, and sale of hydroelectric power. The power to acquire works and facilities shall not include, and nothing in this act shall be construed to allow, the acquisition of property already employed in the generation of hydroelectric power for public utility purposes, except by mutual agreement between the district and the owner of the property.

§ 34-3. Petition; petitioners' bond; publication

Sec. 3. PETITION TO BOARD OF SUPERVISORS. BOND, PUBLICATION. In order to propose the organization of a water conservation district a petition shall be presented to the board of supervisors of the county, in which the lands within the proposed district, or the greater portion thereof, are situated, signed by the required number of owners of lands within such proposed district, which petition shall set forth and particularly describe the proposed boundaries of such district, and shall pray that the same be organized under the provisions of this act, and propose a name by which such district shall be known. The territory to be included within the district need not be contiguous. The petitioners must accompany the petition with a good and sufficient bond, to be approved by the said board of supervisors, in double the amount of the probable cost of organizing such district, conditioned that the obligors will pay all the costs in case such an organization will not be effected. The petition shall be presented at a regular meeting of said board of supervisors, and shall have been published once a week for at least three weeks before such presentation in some newspaper printed and published in the county where the petition is presented, together with a notice stating the date of the meeting of said board at which the petition will be presented; and if any portion of the proposed district lies within another county, or counties, then said petition and notice shall be likewise published in a newspaper printed and published in each of said counties. Such petition may consist of any number of separate instruments, and, when contained upon more than one instrument, one copy only of such petition need be published, but the names of all the petitioners shall be published the same as if appended to the original petition. All such copies of petition, filed prior to the hearing of said petition, shall be considered by the board of supervisors the same as though filed with the petition first placed on file.

§ 34-4. Petition; hearing; determination of boundaries

Sec. 4. HEARING ON PETITION. When such petition is presented, the board of supervisors shall hear the same, and may adjourn such hearing from time to time. If any hearing or continued hearing shall be continued to a time more than sixty days from the date of the order making such continuance, a notice of such continued hearing shall be published, in some newspaper or newspapers printed and published in each of the counties in which any portion of the proposed district lies, once a week for at least two weeks immediately prior to the time appointed for such continued hearing. On the final hearing said board shall make such changes in the proposed boundaries as may be deemed advisable, and shall define and establish such boundaries. But said board shall not modify said boundaries so as to exclude from said proposed district any territory which would be benefited by the formation of such district; nor shall any land be included within such proposed district which will not, in the judgment of said board, be benefited by the organization of such district. Any person whose lands would be benefited by such district may, upon his application and in the discretion of the board of supervisors, have such lands included within such proposed district. Upon such hearing of such petition the board of supervisors shall determine whether or not said petition complies with the requirements of sections 1 and 3 of this act, and for that purpose must hear all competent and relevant testimony offered in support thereof or in opposition

thereto. No defect in the contents of the petition, or in the title to or form of the notice or signature, shall vitiate any proceedings thereon, provided such petition or petitions have a sufficient number of qualified signatures attached thereto. The determination of the board of supervisors shall be entered upon the minutes of said board.

§ 34-4.5. Majority protest; termination of proceedings

Sec. 4.5. If the board of supervisors finds that protests have been made, prior to its final determination for formation of the district, by the owners of real property within the proposed district, the assessed valuation of which, as shown by the last equalized assessment roll, constitutes more than one-half of the total assessed value of the real property within the proposed district, the proceeding shall terminate. The board of supervisors shall order the proceeding terminated when such protests are received.

§ 34-4.6. "Equalized county assessment roll next preceding" and "next preceding assessment roll" defined

Sec. 4.6. As used in this act, the terms "equalized county assessment roll next preceding" and "next preceding assessment roll" shall be deemed to refer to the last equalized assessment roll of the county.

§ 34-5. District divisions; directors

Sec. 5. DISTRICT DIRECTORS. When, under the provisions of the preceding sections, the boundaries of the proposed district are defined and established, said board shall make an order dividing said district into three or five or seven divisions, as requested in the petition. Such divisions shall be as nearly equal in area as practicable and shall be numbered consecutively, and one director, who shall be an elector of the division, shall be elected, as hereinafter provided, by each division; *provided*, that, when requested in the petition, and in accordance therewith, no divisions shall be established, and, in such case, three or five or seven directors, according to the petition, shall be elected at large by the qualified electors of the district. No person may be elected a director who shall not be a qualified elector of the district, and who shall not be a resident of the county, or of one of the counties in which the district is situated.

§ 34-6. Organization election; first directors; precincts; board of election; notice; ballots; candidates; voters; conduct of election

Sec. 6. ELECTION TO DETERMINE PROPOSED ORGANIZATION. ELECTION OF DIRECTORS. NOTICE. BALLOTS. CANDIDATES FOR OFFICE OF DIRECTOR. QUALIFICATION OF ELECTORS. CONDUCT OF ELECTION. The board of supervisors shall then call an election within the proposed district for the determination of the question whether the proposed district shall or shall not be organized, and also to elect the number of directors which shall be prescribed pursuant to the next preceding paragraph of this act. The board of supervisors shall divide said district, and the divisions thereof, into convenient precincts and fix a polling place in each precinct; *provided*, there shall be at least one precinct in each division of the district, where the district is divided into divisions. The board of supervisors shall appoint an inspector, a judge and two clerks for each of the precincts thus established to conduct said election. The inspector, judge and clerks of election in each precinct shall constitute the board of election for that precinct. The inspector shall be chairperson of the election board, and may administer all oaths required in the progress of an election, and appoint judges and clerks, if, during the progress of the election, any judge or clerk ceases to act. Any member of the board of election may administer and certify oaths required to be administered during the progress of the election. If the board of election, or any member thereof fails to appear at the opening of the polls on the morning of the election, the electors of the precinct present at that hour may appoint a board or supply the place of an

absent member thereof. The election must be held within 40 days from the date of the order calling the election.

NOTICE. The election shall be called by publication of notice thereof pursuant to Section 6063 of the Government Code in a newspaper in each of the counties in which the district is situate, if there be one, and by posting notice thereof in three public places in the proposed district. If the district is divided into divisions, notices of the election shall be posted in three public places in each division. The notice shall designate a name for the proposed district, and describe the boundaries thereof and designate the respective election precincts and the polling place in each, and the election officers, and the time of the election, and the hours during which the polls will be kept open; provided, that the polls must be opened not later than 1 o'clock p.m. and kept open until 7 o'clock p.m.

BALLOTS. CANDIDATES FOR OFFICE OF DIRECTOR. The board of supervisors shall require the clerk of said board to provide and furnish ballots for said election. No particular form of ballot shall be required except that the same shall contain the words "Water Conservation District--Yes" or "Water Conservation District--No," or words equivalent thereto, and shall also contain the names of candidates for the position of director of the district who shall have been endorsed by a petition to the board of supervisors containing the names of 10 or more electors of the district (or 50 percent of the qualified electors if the same is less than 10), petitioning that the names of candidates designated in the petition be placed upon the ballot to be voted on at the election; provided, that, when the district is divided into divisions, the nominating petitions for a director in any division must be signed by 10 or more electors entitled to vote in the division (or 50 percent of the qualified electors if the same is less than 10); and provided, that, in any case, the petitions be filed with the board of supervisors calling the election within 15 days from the first publication of the notice calling the election. The ballots shall contain instructions that the voter shall write or print or stamp a cross after the words that indicate his or her choice, together with the number of votes he or she is entitled to cast therefor, as hereinafter provided, and that the voter shall vote for one or more persons to fill the office of director (designating the number), according to the divisions of the proposed district as prayed for in the petition and ordered by the board of supervisors, with the right to vote for each director to be elected the number of votes which the voter shall be entitled to cast as hereinafter provided. The ballots shall contain as many blank spaces for the names of directors as there are directors to be elected, and the writing of the name of any qualified person in any of the spaces shall be deemed to be a vote for that person according to the number of votes set opposite that name, not in excess of the number of votes which the voter shall be entitled to cast.

QUALIFICATION OF ELECTORS. No person shall be entitled to vote at any election held under the provisions of this act, unless he or she is the owner of land situate within the district. Each and every owner of land within the district shall be entitled to vote in person or by proxy, at any election held under the provisions of this act, and shall have the right to cast one vote for each acre of real estate owned by him or her in the district. An owner of land within the district comprising less than one acre shall be entitled to one vote. In calculating the number of acres owned by any voter any fraction of an acre in excess of the integral number owned by him or her shall be disregarded. Ownership shall be determined from the next preceding assessment roll of the county or counties in which the lands of the district are situated, and the board of supervisors of each county in which any part of the district is located, prior to each election held under the provisions of this act, at the expense of the district holding the election, shall cause to be prepared and certified and furnished to the board of election at each voting place a true and correct copy of the entries upon the next preceding assessment rolls of those counties, so far as those assessment rolls apply to any lands within that district, to the extent of showing the names of the owner and the number of acres assessed to each owner and the certified entries from those rolls shall be used by the boards of election in determining the number of votes each voter is entitled to cast. In the event the district is divided into divisions, the copies of the entries upon those assessment rolls shall show the number of acres owned by each voter within each division. And, in that case, each voter shall be entitled

to vote in each division the number of votes equal to the number of acres owned by him or her in the division.

Where land is owned by two or more persons, the votes shall be divided in accordance with the interests of each owner. Where land is assessed to unknown owners any person producing an affidavit of a searcher of records certifying the true ownership of the land at the date of the election or at any time five days previous thereto, accompanied by an affidavit by the person certified to be the owner that he or she is the owner of the property at that time, the person so certified to be the owner shall be entitled to vote in like manner as if his or her name appeared upon the assessment rolls as above mentioned. Where corporations or partnerships appear as the owners of property, the votes of the owners shall be cast by any person holding a proxy from that corporation or firm. Executors, administrators, special administrators and guardians and trustees may cast the votes of the estates represented by them upon filing with the board of election a certified copy of their letters testamentary or of administration or guardianship or of appointment as trustee. No person shall vote by proxy at the election unless authority to cast a proxy vote shall be evidenced by an instrument in writing duly acknowledged and certified in the same manner as grants of real property, and filed with the board of election.

CONDUCT OF ELECTION. The election shall be conducted pursuant to this act or the Uniform District Election Law (Part 3 (commencing with Section 23400) of Division 14 of the Elections Code). The election officer in delivering to each voter his or her ballot shall ascertain and write upon the ballot the number of votes the holder of the ballot is entitled to cast, and in canvassing the returns shall see to it that the number of votes cast does not exceed the number of votes that voter was entitled to cast. If there is an excess, the ballot shall not be disregarded or invalidated, but only the number which the voter was entitled to cast shall be counted. The election officers shall publicly count the votes immediately after close of the election, and make a report of the result of the election to the board of supervisors within five days after the election.

§ 34-7. Organization election; canvass; order declaring organization

Sec. 7. CANVASS OF RETURNS. DECLARATION OF ORGANIZATION. The said board of supervisors shall, on the first Monday succeeding such election, if then in session, or at its next meeting, general or special, proceed to canvass the votes cast at such election, and, if upon such canvass it determines that a majority of all the votes cast are "Water Conservation District--Yes," the board shall by an order entered in its minutes declare such territory duly organized as a water conservation district, under the name theretofore designated, and shall declare the persons receiving, respectively, the highest number of votes for director to be duly elected to such offices.

§ 34-8. Order declaring organization; recordation; completion of organization

Sec. 8. COPY OF ORDER TO BE RECORDED. The board shall then cause a copy of such order, duly certified by the clerk of said board of supervisors to be immediately filed for record in the office of the county recorder of any county in which any portion of the lands embraced in such district shall be situated, and must also immediately forward a copy thereof to the clerk of the board of supervisors of each of said last mentioned counties. From and after such filing, the organization of the district shall be complete.

§ 34-8.5. Filing certificate with secretary of state

Sec. 8.5. The clerk of the board of supervisors shall immediately file with the Secretary of State a certificate listing:

- (a) The name of the district.

(b) The date of formation.

(c) The county or counties in which the district is located, and a description of the boundaries of the district, or reference to a map showing such boundaries, which map shall be attached to the certificate, or reference to the county recorder's office where a description of such boundaries has been recorded.

If the order declaring the district organized contains all of the information required to be in the certificate, the clerk of the board may file a copy of the order in lieu of the certificate.

§ 34-9. Organization election; contest

Sec. 9. ELECTION MAY BE CONTESTED. Such election on organization may be contested by any person holding property within the proposed district liable to be assessed or taxed for the raising of funds to carry out the purposes of the district. The directors elected at such election shall be made parties defendant. Such contest shall be brought in the superior court of the county where the petition for organization is filed; *provided*, if more than one contest be pending, they shall be consolidated and tried together. The court having jurisdiction shall immediately try such contest, and determine, upon the hearing, whether the election was fairly conducted and in substantial compliance with the requirements of this act, and enter its judgment accordingly. Such contest must be brought within twenty days after the canvass of the votes and declaration of the result by the board of supervisors. The right of appeal is hereby given to either party to the record within thirty days from entry of judgment. The appeal must be heard and determined by the supreme court within sixty days from the time of filing the notice of appeal.

§ 34-10. First directors; commencement of duties; tenure

Sec. 10. WHEN DIRECTORS SHALL ENTER UPON DUTIES. The directors elected at the election hereinbefore provided for shall immediately enter upon their duties as such upon qualifying in the manner hereinafter provided. Such directors shall hold office respectively until their successors are elected and qualified.

§ 34-11. First directors; meeting; classification; organization; president; secretary

Sec. 11. TERM OF OFFICE. PRESIDENT AND SECRETARY. The directors of any district who shall be thus elected, on the first Tuesday after their election, after they shall have qualified, shall meet and classify themselves by lot into two classes, as nearly equal in number as possible, and the term of office of the class having the greater number shall expire at the next general February election in this act provided for; and the term of office of the class having the lesser number shall terminate at the next general February election thereafter. After such classification, said directors shall organize as a board, shall elect a president from their number, and appoint a secretary, who shall each hold office during the pleasure of the board. The secretary need not be one of the directors. The salary of the secretary and the amount of the bond to be given for the faithful performance of his duty shall be fixed by the board of directors. The bond of the secretary of the district shall be recorded in the office of the recorder of the county in which the district is organized and then filed with the district.

§ 34-12. Directors; biennial election; vacancies; oath and bond

Sec. 12. Biennial Election of Directors. Official Bonds. Vacancies, How Filled. Office Board. In each district organized as provided herein, and except as provided in Section 14, an election shall be held on the first Tuesday in February of each odd-numbered year, after the organization of the district, at which directors for the district, as provided in Section 5 of this act, shall be elected to fill the offices of the directors whose terms of office shall then expire, in accordance with the provisions of this act. Vacancies

in the offices of directors appointed pursuant to subdivision (b) of Section 14 occurring in the board of directors, by reason of death, resignation or otherwise, shall be filled by appointment by the supervisors of the county where such district is organized. A director so appointed shall hold such office for the unexpired term of his predecessor. The person receiving the highest number of votes for the office to be filled at such election is elected thereto. Within 10 days after receiving their respective certificates of election, or notice of appointment, each person who shall be elected or appointed to the office of director shall qualify as such by taking and subscribing an official oath and filing a bond as herein provided. Each director shall execute an official bond in the sum of one thousand dollars (\$1,000) which shall be approved by the judge of the superior court of the county where the organization of the district was effected, and shall be recorded in the office of the county recorder of such county, and then, together with his official oath, filed with the secretary of the board of directors. All official bonds herein provided for shall be in the form prescribed by law for the official bonds of county officers. Vacancies occurring in the offices of directors who are elected to the board of directors, by reason of death, resignation or otherwise, shall be filled pursuant to Section 1780 of the Government Code.

§ 34-13. Directors; organization after election; term of office; office of board

Sec. 13. ORGANIZATION AFTER ELECTION. TERM OF OFFICE. On the first Tuesday in March next following the election, the directors shall meet and organize as a board, elect a president and appoint a secretary, who shall each hold office during the pleasure of the board. The full term of office of directors is hereby fixed at four years. The office of the board of directors of any such district may be established by said board of directors at some proper and convenient place within or near the district, but after the office is once established, it shall not be changed without giving notice thereof by posting in three public places in the district and by publishing a similar notice for thirty days in some newspaper of general circulation published in the county where such district is organized.

§ 34-14. Biennial elections

Sec. 14. APPOINTMENT OF ELECTION BOARD: NOTICE OF ELECTION: APPOINTMENT OF SOLE NOMINEES WITHOUT ELECTION: PETITIONS FOR ELECTIONS: NOTICE OF ABANDONMENT OF ELECTION: FURNISHING OF BALLOTS: CONDUCT OF ELECTION. (a) **Precincts; election boards; notice of election.** At a meeting of the board of directors of the district, to be held not less than 80 days before the time for any biennial election of officers, the board shall divide the district into convenient election precincts, appoint election boards, and do all things (applicable thereto) for the holding of such election, in the manner herein required to be done by the board of supervisors for the holding of an election on the question of formation of district. The clerk of the board of directors shall cause notice of such election to be given by having such notice published and posted in the manner required by this act for giving notice of election on formation of district, excepting that the notice shall be published once a week for not less than two weeks, pursuant to Section 6066 of the Government Code. Such publication shall commence not more than 60 days and not less than 20 days before the date of election. Such notice shall be posted as required by this act not later than the day publication commences and in addition shall be likewise posted in the office of the board of directors. Such notice shall designate the directoral positions to be filled, the term for which each is to be elected, the respective election precincts and the polling place in each, the election officers, the time of the election and the hours during which the polls will be kept open.

(b) **Appointment of sole nominee without election.** If no more than one nomination has been made, or if no person has been nominated, for any directoral position to be filled, no election shall be held with respect to such directoral position, and the board of directors at its first meeting after the election date shall appoint such sole nominee or any qualified person if no person has been nominated to the position to

be filled, unless within 10 days after the first publication of the notice of election a petition requesting the holding of the election and signed by at least twenty-five percent (25%) of the voting strength of the directoral division or, if there be none, of the district has been filed with the clerk of the district.

(c) **Abandonment of election.** If there shall be but one nominee or no nominee for any directoral position and no petition requiring the holding of an election with respect thereto, the board of directors shall cause a notice of abandonment of election to be published (one time) pursuant to Section 6061 of the Government Code, such publication to be made not later than the fifth day before the election date previously determined.

(d) **Ballots.** No particular form of ballot shall be required to be used. The clerk shall, however, furnish ballots which shall contain the names of the candidate for the offices who shall be endorsed by petition signed as hereinbefore provided and filed with the clerk of the board of directors within seven days after the first publication of the notice of election. The ballot shall contain as many blank spaces as there are directors to be elected. The election shall be conducted in the manner herein required for the conduct of elections on the formation of districts.

§ 34-14.1. Publication of notice that appointment may be made

Sec. 14.1. Notice that such appointment may be made in the event that only one or no nomination is made and no petition requesting an election is filed, shall be published in a newspaper of general circulation in the district, once, not less than seven days and not more than 14 days prior to the final day on which nominations may be made.

§ 34-15. Biennial elections; returns

Sec. 15. ELECTION RETURNS. As soon as all the votes are read off and counted, a certificate shall be drawn up on each of the papers containing the poll lists and tallies, or attached thereto, stating the number of votes each one voted for has received, and designating the office to fill which he was voted for, which number shall be written in figures and in words at full length. Each certificate shall be signed by the election officers. One of said certificates with the poll list and the tally paper to which it is attached shall be retained by the inspector, and preserved by him at least six months. The ballots shall be strung upon a cord or thread by the inspector during the counting thereof in the order in which they are entered upon the tally list by the clerks; and said ballots together with the other of said certificates, with the poll list and tally paper to which it is attached, shall be sealed by the inspector in the presence of the judges and clerks and endorsed "election returns of (naming the precinct) precinct" and be directed to the secretary of the board of directors and shall be immediately delivered by the inspector, or by some other safe and responsible carrier designated by said inspector, to said secretary, and the ballots shall be kept unopened for at least six months, and if any person be of the opinion that the vote of any precinct has not been correctly counted he may appear on the day appointed for the board of directors to open and canvass the returns and demand a recount of the vote of the precinct that is so claimed to have been incorrectly counted.

§ 34-16. Biennial elections; canvass

Sec. 16. CANVASS OF RETURNS. No list, tally paper, or certificate from any election, shall be set aside or rejected for want of form if it can be satisfactorily understood. The board of directors must meet at its usual place of meeting on the first Monday after each election to canvass the returns. If, at the time of the meeting, the returns of each precinct in the district in which the polls were opened have been received, the board of directors must then and there proceed to canvass the returns; but if all the returns have not been received, the canvass must be postponed from day to day until the returns have been

received, or until six postponements have been had. The canvass must be made in public and by opening the returns and determining the vote of the district for each person voted for and declaring the result thereof.

§ 34-17. Biennial elections; statement of results; certificates of election

Sec. 17. STATEMENT OF RESULTS. The secretary of the board of directors must, as soon as the result is declared, enter in the records of the board a statement of such result, which statement must show: (a) the whole number of votes cast in the district and in each precinct thereof if there be more than one precinct; (b) the names of the persons voted for; (c) the office to fill which each person was voted for; (d) the number of votes given in each precinct to each of said persons; (e) the number of votes given in each division for the office of director. The board of directors must declare elected the persons having the highest number of votes given for each office. The secretary must immediately make out and deliver to each of such persons a certificate of election, signed by him and authenticated with the seal of the board.

§ 34-18. Directors; change in number

Sec. 18. NUMBER OF DIRECTORS MAY BE CHANGED. At any time not less than 130 days before a general election of a district organized under this act, the owners of more than 10 percent of the acres of land comprising the district (to be determined from the next preceding assessment rolls of the county or counties in which the lands of the district are situate) may present a petition to the board of directors of the district petitioning said board to change the number of divisions in the district and the number of directors, or to change the manner of electing the directors. Thereupon the board shall call a special election and submit to the voters in the district the question of whether or not the number of divisions in the district and the number of directors shall be changed, or the question of whether the manner of electing the directors shall be changed, pursuant to said petition. Notice of such election shall be given, and the same shall be held, and the result thereof determined and declared, in conformity with the provisions of this act governing the biennial elections of directors, insofar as applicable. The notice must set forth a copy of said petition, but need not include the names of the signers of said petition. At such election the ballots shall contain a brief statement of the change proposed by said petition, and shall contain the words "Petition--Yes" and "Petition--No". If the votes cast as "Petition--Yes" constitute a majority of the total number of votes cast at such election, then, but not otherwise, on and after the next ensuing general election for the district, there shall be either three or five or seven directors, as so petitioned, and said directors shall be elected by the district at large or by divisions, as so petitioned; and at said next election, and thereafter, the directors shall be so elected; and if it was so petitioned that the directors be elected by divisions instead of at large, said board shall make an order dividing the district into three, five or seven divisions, as so petitioned, in the same manner as divisions are established by the board of supervisors in proceedings for the formation of a district under this act. At the first election after the making of such order, a full board of directors shall be elected in accordance with such order, to succeed the electors then in office, and upon the qualification (in the manner hereinbefore provided) of the directors so elected, they shall classify themselves by lot and hold office in the manner and for the terms as herein provided for the directors elected at the time of the formation of the district.

§ 34-19. Directors; meetings; minutes; financial statement

Sec. 19. MEETINGS. FINANCIAL STATEMENT. The board of directors shall hold regular meetings in their office on the first Tuesday in March, June, September and December, and such special meetings as may be required for the proper transaction of business; *provided*, that all special meetings must be ordered by a majority of the members of the board by an order, to be entered in the minutes, specifying the business to be transacted. Three days' notice to any member not joining in the order must be given by

the secretary, by mailing same to him at his last address, and only the business specified in the order must be transacted at such special meeting. All meetings of the board must be public, and a majority of members shall constitute a quorum for the transaction of business. A minute of all proceedings of the board shall be kept by the secretary, and all records of the board shall be open to public inspection during business hours. The board of directors shall, on the first Tuesday in March of each year, make and render, a verified statement of the financial condition of the district, showing particularly the receipts and disbursements of the last preceding year, together with the source of such receipts and purpose of such disbursements. Such statement shall be placed on file in the office of the district and be opened to public inspection during office hours.

§ 34-20. Directors; powers and duties; restrictions

Sec. 20. POWERS AND DUTIES OF BOARD OF DIRECTORS. The board of directors shall have the power and it shall be its duty to manage and conduct the business and affairs of the district; to make and execute all necessary contracts; to adopt a seal for the district to be used in the attestation of proper documents; to provide for the payment, from the proper fund, of all the debts and just claims against the district; to cause such work to be done and to acquire such property as it shall deem necessary or advisable to accomplish the purposes of the district, and to estimate the cost thereof, together with rights of way for the purpose of ingress to and egress from the works of the district; to appoint and employ such engineer or engineers and such attorney or attorneys as the board may deem necessary or advisable to accomplish the purposes of the district; to employ and hire such men, teams, tools, implements, machinery and equipment as the board of directors may deem expedient or advisable to perform the work which it shall deem necessary or advisable to accomplish the purposes of the district; and generally may perform all acts as shall be necessary to fully carry out the purposes of this act.

LIMITATION ON POWERS OF DIRECTORS. *Provided, however,* that the powers of this act vested in the board of directors are vested subject to the conditions, restrictions and limitations imposed by the act of the State of California creating the water commission of the state, and subject to the powers therein vested in the said water commission.

§ 34-20.5. Filing certificate with secretary of state

Sec. 20.5. The board of directors of a district in existence on the effective date of this section shall file a certificate with the Secretary of State on or before January 1, 1964, listing:

- (a) The name of the district.
- (b) The date of formation.
- (c) The county or counties in which the district is located, and a description of the boundaries of the district, or reference to a map showing such boundaries, which map shall be attached to the certificate, or reference to the county recorder's office where a description of such boundaries has been recorded.

If the order declaring the district organized contains all of the information required to be in the certificate, the board may file a copy of the order in lieu of the certificate.

§ 34-21. Claims; prerequisite to payment

Sec. 21. WHEN CLAIMS SHALL BE ALLOWED. No claim shall be paid by the treasurer until allowed by the board of directors, and only upon a warrant of the county auditor drawn upon an order signed by the president and countersigned by the secretary of the board of directors.

§ 34-22. Directors; compensation

Sec. 22. Per Diem of Directors. Each director shall receive compensation in an amount not to exceed fifty dollars (\$50) per day for each day's attendance at meetings of the board or for each day's service rendered as a director by request of the board, not exceeding a total of six days in any calendar month, together with any expenses incurred in the performance of his duties required or authorized by the board.

§ 34-23. Repealed by Stats.1970, c. 447, p. 897, § 53

Section 26 [Water C.App. § 34-26] is superseded by provisions of the Eminent Domain Law. See Code Civ.Proc. § § 1230.020 (uniform procedure), 1240.010 (declaration that a use is a public use is unnecessary), 1250.210 (identification of plaintiff).

§ 34-24. Indebtedness; restrictions on power to incur

Sec. 24. RESTRICTIONS OF POWER. The board of directors shall have no power to incur any debt or liability whatever, in excess of the express provisions of this act; and any debt or liability incurred in excess of such express provisions shall be and remain absolutely void; except that, for the purposes of organization, or for any of the purposes of this act, the board of directors may incur, before the collection of the first assessment, an indebtedness not exceeding in the aggregate an amount equivalent to twenty-five cents for each acre of land in the district, and may cause warrants of the district to issue therefor bearing interest at seven per cent per annum from date of issue until the treasurer shall have available funds for payment thereof. The expenses of organization, including the fees of attorneys and others employed to conduct the organization proceedings, shall be deemed to be a charge upon the district, and be payable by the district.

§ 34-24.5. Issuance of bonds under Revenue Bond Law of 1941; purposes

Sec. 24.5. Notwithstanding any provision to the contrary in this act or in the organization proceeding had for the formation of a district under the provisions of this act, a district formed under this act may issue bonds under the provisions of the Revenue Bond Law of 1941 (commencing with Section 54300 of the Government Code) for the purpose of financing the purchase, production, transmission, and distribution of water for beneficial use and for the construction of facilities necessary thereto, including any contributions by a district to another agency under a contractual agreement or for cost incurred in the construction of joint use facilities.

A district formed under this act may also issue bonds under the provisions of the Revenue Bond Law of 1941 (commencing with Section 54300 of the Government Code) for the purpose of financing the generation, transmission, and sale of hydroelectric power.

§ 34-25. Change of division boundaries

Sec. 25. CHANGE OF BOUNDARIES OF DIVISIONS. The board of directors, when it deems it advisable or for the best interests of the district and for the convenience of the electors thereof, may at any time, but not less than sixty days before an election to be held in the district, change the boundaries of the divisions of the district; *provided*, such changes shall be made to keep each division as nearly equal in area as may be practicable. Such changes of boundaries of the divisions must be shown on the minutes of the board. Before any such change of the boundaries of the divisions shall be made, the board of directors shall give notice of its intention to make a change or changes therein. Such notice shall specify, in a general way, the changes which the board proposes to make and a time and place at which any owner of land in the district may appear before the board and object to the making of the proposed change or changes, or petition that a change be made otherwise than as proposed, and at which the board will hear

any such objection or petition. Such notice shall be published at least once a week for two weeks, before the time appointed for the hearing, in some newspapers published in each of the counties in which any part of the district is situated. At the time and place appointed for such hearing, or at the time and place to which such hearing may be adjourned, the board shall hear all such objections and petitions which may be presented to the board, and, thereupon, the board may make such change or changes in the boundaries of the divisions as it may determine to be for the best interests of the district.

§ 34-26. Repealed by Stats.1975, c. 586, p. 1285, § 11

Section 26 [Water C.App. § 34-26] is superseded by provisions of the Eminent Domain Law. See Code Civ.Proc. § § 1230.020 (uniform procedure), 1240.010 (declaration that a use is a public use is unnecessary), 1250.210 (identification of plaintiff).

§ 34-27. Property; title; powers; court appearances

Sec. 27. TITLE TO PROPERTY OF DISTRICT. The legal title to all property acquired by the district under the provisions of this act shall immediately and by operation of law vest in such district, and shall be held by such district in trust for and as hereby dedicated and set apart for the uses and purposes set forth in this act. And said board is hereby authorized and empowered to hold, use, acquire, manage, occupy, possess, sell, lease or otherwise dispose of said property as herein provided. The said board is hereby authorized and empowered to take conveyances or other assurance for all property acquired by it under the provisions of this act, in the name of such water conservation district, to and for the uses and purposes herein expressed, and to institute and maintain any and all actions and proceedings, suits at law or in equity, necessary or proper in order to fully carry out the provisions of this act, or to enforce, maintain, protect or preserve any and all rights, privileges and immunities created by this act, or acquired in pursuance thereof. And in all courts, actions, suits or proceedings the said board may sue, appear and defend in person or by attorneys, and in the name of such water conservation district.

§ 34-28. Tax levy; amount

Sec. 28. Preparation of Estimates of Moneys Needed: Tax Limit. The board of directors shall, on or before the first day of August of each year, furnish the board of supervisors and the auditor of the county wherein the district is situated, or if such district is not entirely within one county, then, as hereinafter provided, to the supervisors and auditors of each county in which any portion of the district is situated, an estimate in writing of the amount of money needed for the purpose of the district for the ensuing fiscal year. This amount must be sufficient to raise a sum of money which shall be sufficient to pay the incidental expenses of the district, and the cost of the work of spreading and sinking waters which the board of directors may deem advisable to be done during the ensuing year, the estimated cost of repairs to and maintenance of any property or works of the district, the estimated amount necessary for the payment of the costs of any action or proceeding which may be taken by the district, including the cost of employment of attorneys and engineers; and such estimates may also include such an amount as the board of directors may deem advisable to expend in the acquisition or construction of settling basins, wells and other works for the spreading and sinking of waters, together with necessary rights-of-way for use of same; provided, however, the tax levied during any year for the raising of said funds shall not exceed two and one-half mills (\$0.0025) on each one hundred cents (100 cents) of the assessed values of the lands within the district, together with the improvements thereon, according to the last assessment rolls.

§ 34-29. Estimate of money needed; apportionment when district in multiple counties; determination of value

Sec. 29. WHEN DISTRICT IS IN MORE THAN ONE COUNTY. When a district is in more than one county the total estimate as provided for in the preceding section shall be divided by the board of directors in proportion to the value of the real property of the district in each county, with the improvements thereon. This value must be determined from the equalized values of the last assessment rolls of such counties, as revised by said board of supervisors. When such division of the estimate has been made, the board shall furnish the supervisors and auditors of the respective counties a written statement of the part of the estimate apportioned to that county.

§ 34-30. Tax levy; determination of rate

Sec. 30. LEVY OF TAXES: DETERMINATION OF RATE. The board of supervisors of each county wherein is situated a district, or any part thereof, organized under the provisions of this act, must, annually, at the time of levying county taxes, levy a tax to be known as the "..... (name of district) Water Conservation District Tax," sufficient to raise the amount reported to them as herein provided by the board of directors. The supervisors must determine the rate of such tax by deducting 15 percent for anticipated delinquencies from the total assessed value of the real property in the district within the county, including improvements thereon, as it appears on the assessment roll of the county, and then dividing the sum reported by the board of directors, as required to be raised, by the remainder of such total assessed value; provided, that if a fraction of a cent occur on a valuation of one hundred dollars (\$100), it shall be taken as a full cent. If the rate thus determined should be in excess of two and one-half mills (\$0.0025) on each one hundred cents (100 cents) of such assessed values, the board of supervisors shall then levy a tax of two and one-half mills (\$0.0025) upon each one hundred cents (100 cents) of such assessed values.

§ 34-31. Tax; entry on assessment roll; levy by auditor; collection

Sec. 31. DUTY OF AUDITOR. The tax so levied shall be computed and entered on the assessment roll by the county auditor, and if the supervisors fail to levy the tax as provided in the preceding section, then the auditor must do so. Such tax shall be collected at the same time and in the same manner as state and county taxes, and when collected shall be paid into the county treasury for the use of said district.

§ 34-32. Tax; law applicable

Sec. 32. GENERAL REVENUE LAWS GOVERN. The provisions of the Political Code of this state, prescribing the manner of levying and collecting taxes and the duties of the several county officers with respect thereto, are, so far as they are applicable and not in conflict with the specific provisions of this act, hereby adopted and made a part hereof. Said officers shall be liable upon their several official bonds for the faithful discharge of the duties imposed upon them by this act.

§ 34-32.5. Alternative disbursement of district funds by board; resolution; appointment of treasurer; surety bond; annual audit

As an alternative to the functions of the county treasurer and the county auditor provided in this act, the board may elect to disburse funds of the district. The election shall be made by resolution of the board and the filing of a certified copy thereof with the county treasurer. The county treasurer shall thereupon deliver to the district all funds of the district. The funds shall be deposited by the board in a bank or banks approved for deposit of public funds and shall be withdrawn only by written order of the board, signed by the president and secretary. The order shall specify the name of the payee and the fund from

which it is to be paid and shall state generally the purpose for which payment is to be made. The order shall be entered in the minutes of the board. The board shall appoint a treasurer who shall be responsible for the deposit and withdrawal of the funds of the district. The treasurer shall deposit with the district, prior to October 1 of each year, a surety bond in an amount annually fixed by the board. The deposit and withdrawal of funds of the district shall thereafter be subject to the provisions of Article 2 (commencing with Section 53630) of Chapter 4 of Part 1 of Division 2 of Title 5 of the Government Code. Any district electing to disburse funds pursuant to this section shall file with the board of supervisors an annual audit of those disbursements that meets the approval of the board of supervisors.

§ 34-33. Repository of funds

Sec. 33. WHAT TREASURY SHALL BE REPOSITORY. If the district is in more than one county, the treasury of the county where the district was organized shall be the repository of all the funds of the district. For this purpose, the treasurers of any other counties wherein is situated a portion of said district, must, at any time, not oftener than twice a year, upon the order of the board of directors, settle with said board and pay over to the treasurer of the county where the district was organized all monies in their possession belonging to the district. Said last named treasurer is authorized and required to receive and receipt for the same, and to place the same to the credit of the district. He shall be responsible upon his official bond for the safe keeping and disbursement, in the manner herein provided, of these and all monies of the district held by him.

§ 34-34. Treasurer; disbursements; reports

Sec. 34. TREASURER'S REPORTS. The treasurer shall pay out the monies of the district only upon warrants of the county auditor, drawn upon order of the board of directors signed by the president and attested by the secretary. The treasurer shall report in writing at each regular meeting of the board of directors and as often thereafter as requested by the board the amount of money on hand, the amount of receipts since his last report, and the amounts paid out; such reports shall be verified and filed with the secretary of the board.

§ 34-34.5. Claims for money or damages; law governing

Sec. 34.5. All claims for money or damages against the district are governed by Part 3 (commencing with Section 900) and Part 4 (commencing with Section 940) of Division 3.6 of Title 1 of the Government Code except as provided therein, or by other statutes or regulations expressly applicable thereto.

§ 34-35. Special assessment; election; maximum rate

Sec. 35. MAY CALL SPECIAL ELECTIONS. The board of directors, by a vote of two-thirds of the whole number of directors, may at any time, when in their judgment it may be deemed advisable, call a special election, and submit to the qualified electors of the district the question, whether or not a special assessment shall be levied, in addition to the tax herein provided for, for the purpose of raising money to be applied to any of the purposes provided in this act. Such election must be called upon a notice prescribed and the same shall be held and the results thereof determined and declared in all respects in conformity with the provisions of this act governing the biennial elections of directors. The notice must specify the amount of money proposed to be raised and the purpose for which it is intended to be used. At such elections the ballots shall contain the words "Assessment--Yes" or "Assessment--No". If a majority of the votes cast are "Assessment--Yes", the board shall proceed in the manner hereinbefore prescribed for raising the annual funds by taxation. When collected, the money shall be paid into the district treasury for the purposes set forth in the notice of such special election. Such special assessment shall not exceed, in any case, three mills upon each one hundred cents of the assessed values of the lands

and improvements thereon situate within the district, according to the last preceding assessment roll or rolls. If the money raised by any such special assessment shall exceed the amount necessary to be expended for the purpose for which it was levied, the excess shall be transferred to the general fund of the district and may be used for any purpose of the district.

§ 34-35.5. Cooperation with United States

Sec. 35.5. CO-OPERATION. A. **Authority to contract; procedure.** Contracts pursuant to the powers and for the purposes set forth in Section 2, subdivision E of this act, shall be made as in this section provided, and not otherwise, except that pursuant to the general powers of the district the board of directors by a majority vote may enter into any contracts which do not require the levy of the special assessment provided for in this section, and the provisions of this section shall not apply to any such contracts.

B. **Special election.** The board of directors must call a special election and submit to the qualified voters of the district the question of whether or not a proposal to enter into any contract pursuant to Section 2, subsection E of this act requiring the levy of special assessments on lands within the district, in addition to any other district tax or assessment, for the purpose of raising money required under any such contract, shall be authorized. Notice of such election shall be given, and the same shall be held, and the result thereof determined and declared, in conformity with the provisions of this act governing the biennial elections of directors, insofar as applicable. The notice must specify the maximum amount of money required under the proposed contract and state, generally, the nature and terms of the proposed contract. At such election the ballots shall contain the words "Contract--Yes" and "Contract--No." If the votes cast as "Contract--Yes" constitute a majority of the total number of votes cast at such election, then, but not otherwise, the board shall proceed with such other and further steps as may be required to enter into, validate, perform and carry out said contract, including the levy and collection of special assessments for the purpose, as provided in subdivision C of this Section 35.5 of this act.

C. **Inadequate revenues; special tax or assessment.** Notwithstanding any provision of this act or other law, when any district has contracted pursuant to this act or any other law for the purposes set forth in this act, if the revenue of the district from water tolls or charges are, or in the judgment of the board are likely to be, inadequate to pay all charges payable under the contract, then any tax or special assessment levied for the payment of any such contract charges shall be levied only upon land within the district, exclusive of improvements and personal property. When collected, the moneys shall be paid into the district treasury for the purpose set forth in the notice at such special election. If the money raised by any such assessment shall exceed the amount necessary to be expended under the contract, the excess shall be held in a special fund of the district and shall be used for fulfilling the obligations of the district under such contract in the next succeeding year. Except as in this Section 35.5 provided, such special tax or assessment shall be assessed, levied, collected, and disbursed in conformity with the provisions of this act relating to the annual general tax as set forth in Sections 30 to 34, inclusive, of this act.

D. **Petition to exempt land from or reduce rate of tax or assessment.** Any person having an interest in land within the district claiming that such land will not be benefited under any contract for which a special assessment is required under the terms of this Section 35.5 may file with the secretary a verified petition alleging all of the following:

- (1) That his land, or a described portion of it, is not and will not be benefited by the operations of the district in a manner that would justify his taxation at the special contract rate of taxation.
- (2) That said land is entitled to a reduced rate of taxation.

Such petition shall request that the board determine what percentage of the special contract rate of taxation of the district should be used in levying such special contract tax on the land described in the

petition. No such petition may be filed or considered with reference to the annual general assessment of the district provided for in Section 30 of this act.

Cost of publication and hearing. The petitioner shall pay all cost of publication of the notice and other expenses of the hearing, and such hearing shall be reported and transcribed by a phonographic reporter, and such transcript shall be filed with the board. If more than one petition shall be heard at the same time or upon the same notice, the cost and expenses of such hearing shall be equitably divided among all petitioners in such manner as may be determined by the board.

Hearing; notice; publication. The board shall set a time and place for the hearing of the petition, or of all the petitions if more than one has been filed, and shall give notice of such hearing by publication pursuant to Section 6066 of the Government Code in a newspaper published in the county where the office of the district is situated, the first publication shall be at least 14 days before the date of such hearing. Such notice shall state all of the following:

- (1) Petitions have been presented to the board praying for a determination that certain land, which need not be described in the notice, is entitled to a reduced rate of taxation.
- (2) The names of the petitioners.
- (3) The time and place set for the hearing.

The board shall meet at the time and place set for the hearing and proceed in the order it deems proper to hear the petitions, and shall hear all competent and relevant evidence offered in support of any petition or in opposition to it, and may adjourn the hearing from time to time.

Finding for petitioner; action of board. After the conclusion of the hearing, if the board finds that any of the land described in any petition is not and will not be benefited by the operations of the district in a manner that would justify its taxation at the special contract rate of taxation, the board shall reduce the rate of taxation on the land in a resolution entered in full upon its minutes.

Resolution. The resolution shall:

- (1) Describe the land entitled to a reduced rate of taxation, or the respective parcels of it if separate parcels are to be assessed.
- (2) Fix the percentage of the special contract rate of taxation which shall be applied in levying such taxes on the land described, or on each parcel of it if various parcels are found to be entitled to different reduced rates, in order that such taxes to be levied on such land will be proportionate with the benefits which it receives or will receive from the contract for which such special assessments are levied; and if any such parcel receives and will receive no such benefits, fix such percentage at zero.

Assessor's duties. A certified copy of the resolution determining that any land is entitled to a reduced rate of taxation shall be delivered to the assessor, and thereafter until notified of a change in the determination, he shall enter the land described in the resolution separately on the assessment roll and as designate it and the percentage of the special contract rate of taxation to which it is entitled so that it may readily be distinguished from other land not entitled to a reduced rate.

Entry on assessment roll. After a copy of the resolution is delivered to the assessor, the officer charged with the duty of entering on the assessment roll the amount of district taxes on the land shall in making the entry observe and conform to the resolution.

Finding against petitioner. If the board determines that any of the land described in any petition is not entitled to any reduced rate of taxation, such determination shall be entered in full upon its minutes.

Rehearing; judicial review. The determination of the board granting or denying a reduced rate of taxation as to any land after a hearing pursuant to this article shall not be changed by the board unless the board, on petition by a party affected, consents to another hearing, or on its own motion causes notice to

be served on the owner of the land to show cause why the determination should not be changed, in either of which cases another hearing shall be advertised and held as provided in this subsection E; provided, however, that any person aggrieved by the determination of the board granting or denying a reduced rate of taxation may commence, at any time within 30 days after the entry of such determination on the minutes of the board, a proceeding in the superior court of the county in which the principal office of the district is located to have such determination corrected, modified or annulled.

§ 34-36. Change of boundaries; authorization

Sec. 36. BOUNDARIES MAY BE CHANGED. The boundaries of any water conservation district organized under this act may be changed, and tracts of land, which were included within the boundaries of such district at or after its organization, may be excluded therefrom, or tracts of land may be included within the district, in the manner herein prescribed.

§ 34-36.1. Exclusion of territory; resolution; notice of hearing

Sec. 36.1. The board of directors, by resolution, may initiate proceedings for the exclusion of territory from the district. Such resolution shall be filed with the board of supervisors of the county in which the district was organized and shall contain a description of the lands which the board of directors desires to have excluded from the district. Thereupon the board of supervisors shall set up a time for a hearing on such exclusion, which shall be the next regular meeting of the board after the full publication of the notice thereof hereinafter required, and shall cause the clerk of such board of supervisors to give notice of such hearing by publishing such notice once a week for at least two weeks, prior to the hearing, in some newspaper or newspapers of general circulation published in each of the counties in which any portion of such district is situated. If no newspaper be published in either of such counties then such notice shall be posted for the same length of time in at least three public places in a portion of the district situated within the county wherein no newspaper is published and be published as aforesaid in the remaining counties in which the district is situated. Such notice shall state the filing of the resolution, a description of the lands mentioned in the resolution, and, substantially, any other matter contained in the resolution, and the time of the hearing; and it shall notify all persons interested in, or who may be affected by, such a change in the boundaries of the district, to appear at the office of the board of supervisors at the time of the hearing, and show cause in writing, if any they have, why the change of the boundaries of the district, as proposed in the resolution, should not be made.

§ 34-36.2. Exclusion of territory; hearing

Sec. 36.2. The board of supervisors, at the time and place mentioned in the notice, or at the time or times to which the hearing on such exclusion may be adjourned, shall proceed to hear the matter contained in the resolution and all evidence and proof that may or shall be introduced by or on behalf of the board of directors, and all objections to such resolution that may or shall be presented in writing by any person showing cause as aforesaid, and all evidence and proofs that may be introduced in support of such objections. The failure of any person interested in the district to show cause, in writing, why the tract or tracts of land mentioned in the resolution should not be excluded from the district, shall be deemed and taken as an assent by him to the exclusion of such tract or tracts of land, or any part thereof, from the district.

§ 34-36.3. Exclusion of territory; order of board

Sec. 36.3. If, upon the hearing of any such exclusion, no evidence or proof in support thereof be introduced, or if the evidence fails to sustain such exclusion, or if the board of supervisors deem it not for the best interests of the district that the lands, mentioned in the resolution or some portion thereof, should

be excluded from the district, the board shall order that such exclusion be denied as to such lands; but if the board deems it for the best interests of the district that the lands mentioned in the resolution be excluded from the district, and, if no person interested in the district show cause in writing why the lands, or some portion thereof, should not be excluded from the district, or if, having shown cause, withdraws the same, or upon the hearing fails to establish such objections as he may have made, then it shall be the duty of the board to, and it shall forthwith, make an order that the lands mentioned and described in the resolution, or some defined portion or portions thereof, as the board may deem proper, be excluded from the district pursuant to the resolution. In the event the board of supervisors shall exclude any lands from the district pursuant to the provisions of this section, it shall then proceed pursuant to the provisions of Sections 40 and 40.1 of this act.

§ 34-37. Change of boundaries; initiation by landowners; petition; notice of hearing

Sec. 37. Change of Boundaries; Initiation by Landowners; Petition; Notice of Hearing. The owner or owners of any tract or tracts of land which constitute a portion of any such district may file with the board of supervisors of the county in which the district was organized a petition praying that such tract or tracts of land, or some defined portion thereof, may be excluded from the district, and the owner or owners of any tract or tracts of land, which, in their judgment, would be benefited by being included within the boundaries of any such district, may file with such board of supervisors a petition to have such tract or tracts of land, or a defined portion thereof, included therein. Such petition shall contain a description of the lands which the petitioner or petitioners desire to have excluded from or included with the district, and shall designate the owner or owners of the respective parcels of such lands. Thereupon the boards of supervisors shall set a time for the hearing on such petition, which shall be the next regular meeting of the board after the full publication of the notice thereof hereinafter required, and shall cause the clerk of said board of supervisors to give notice of such hearing by publishing such notice once a week for at least two weeks, prior to the hearing, in some newspaper or newspapers of general circulation published in each of the counties in which any portion of such district is situated. If no newspaper be published in either of such counties then such notice shall be posted for the same length of time in at least three public places in the portion of the district situate within the county wherein no newspaper is published and be published as aforesaid in the remaining counties in which the district is situated. Such notice shall state the filing of the petition, the names of the petitioners, a description of the lands mentioned in the petition and, substantially, the prayer of the petition, and the time of the hearing; and it shall notify all persons, interested in, or who may be affected by, such a change in the boundaries of the district, to appear at the office of said board of supervisors at the time of the hearing, and show cause in writing, if any they have, why the change of the boundaries of the district, as proposed in the petition, should not be made.

§ 34-38. Change of boundaries; hearing; objections; costs

Sec. 38. HEARING OF PETITION. The board of supervisors, at the time and place mentioned in the notice, or at the time or times to which the hearing of said petition may be adjourned, shall proceed to hear the petition and all evidence and proofs that may or shall be introduced by or on behalf of the petitioner or petitioners, and all objections to such petition that may or shall be presented in writing by any person showing cause as aforesaid, and all evidence and proofs that may be introduced in support of such objections. The failure of any person interested in said district to show cause, in writing, why the tract or tracts of land mentioned in said petition should not be excluded from or included in the district, shall be deemed and taken as an assent by him to the exclusion or inclusion of such tract or tracts of land, or any part thereof, from or in said district; and the filing of such petition with said board, as aforesaid, shall be deemed and taken as an assent by each and all petitioners to the exclusion from such district or inclusion therein of the lands mentioned in the petition, or of any part or parts thereof. The expenses of

giving said notice and all expenses of the proceedings for changing the boundaries of the district shall be paid by the person or persons filing such petition. And the board of supervisors may require such security for the payment of such expenses as it may deem proper.

§ 34-39. Change of boundaries; grant or denial of petition

Sec. 39. BOARD MAY DENY PETITION OR MAY GRANT IT IN WHOLE OR IN PART. If, upon the hearing of any such petition, no evidence or proofs in support thereof be introduced, or if the evidence fail to sustain such petition, or if the board of supervisors deem it not for the best interests of the district that the lands, mentioned in the petition, or some portion thereof, should be excluded from the district, or included therein, as the case may be, the board shall order that said petition be denied as to such lands; but if the said board deem it for the best interests of the district that the lands mentioned in the petition, or some portion thereof, be excluded from or included within the district, and, if no person interested in the district show cause in writing why the said lands, or some portion thereof, should not be excluded from or included within the district, or if, having shown cause, withdraws the same, or upon the hearing fails to establish such objections as he may have made, then it shall be the duty of the board to, and it shall forthwith, make an order that the lands mentioned and described in the petition, or some defined portion or portions thereof, as the board may deem proper, be excluded from said district, or included therein, pursuant to the prayer of the petition.

§ 34-40. Change of boundaries; recordation; effect upon obligations; conditions of inclusion

Sec. 40. CHANGE OF BOUNDARIES SHALL BE RECORDED. In the event said board of supervisors shall exclude any lands from said district, or include any lands therein, upon petition therefor, it shall be the duty of the board of supervisors to make its order, to be entered in the minutes of the board, describing the boundaries of the district, or the territory comprising same, as modified, and, in the case of the inclusion of any lands, shall designate the division or divisions of the district (if it be then divided into divisions) of which the included lands shall become and be a part; and for that purpose the board of supervisors may cause a survey to be made of such portions of the district as the board may deem necessary; and a certified copy of the entry in the minutes of the board, excluding or including any land, certified by the clerk of the board, shall be filed for record in the recorder's office of each county within which are situated any of the lands of the district, and shall also be filed with the clerk of the board of directors of the district; and thereafter the boundaries of the district and the territory comprising the same shall be according to such order; but such district, notwithstanding such exclusion or inclusion, shall be and remain a water conservation district as fully to every intent and purpose as it would be had no change been made in the boundaries of the district, or had the lands excluded therefrom never constituted a portion of the district, or the lands included therein had been so included at the time of the organization of the district. Nothing herein provided shall operate, in any manner, to release any of the land so excluded from the district from any obligation to pay any tax or assessment levied against said land, for the purposes of the district, prior to the making of the order of exclusion, but said land shall remain liable therefor the same as if no order of exclusion had been made; but any land so excluded shall not be held liable or chargeable for any obligation of any nature or kind which may be incurred by the district after the making of such order of exclusion. Before making any order including any land in the district, the board of supervisors may require, as a condition precedent thereto, that the petitioners shall pay to the district such respective sums as will, in the judgment of the board, be equitable in consideration of the benefits to the petitioners by the inclusion of the lands within the district.

§ 34-40.1. Exclusion or inclusion of lands; certificate; filing and contents; filing order in lieu of certificate

In the event the board of supervisors shall exclude or include lands, the clerk of said board shall file a certificate with the Secretary of State listing:

- (a) The name of the district.
- (b) The effective date of the exclusion or inclusion.
- (c) The county or counties in which the district is located, and a description of the excluded or included land, or reference to a map showing the boundaries of such excluded or included land, which map shall be attached to the certificate, or reference to the county recorder's office where a description of such boundaries has been recorded.

If the exclusion or inclusion order contains all of the information required to be in the certificate, the clerk of the board may file a copy of the order in lieu of the certificate.

§ 34-40.5. Consolidation of districts

Sec. 40.5. A district may be consolidated in the same manner as is provided for the consolidation of county water districts in Chapter 3 (commencing with Section 32650) of Part 8 of Division 12 of the Water Code.

§ 34-41. Dissolution; petition; hearing; special election; obligations; disposition of property

Sec. 41. DISSOLUTION OF DISTRICT. SPECIAL ELECTION. Any such district may be dissolved by the board of supervisors in the county in which it is organized in the manner following: Upon receiving a petition signed by fifty owners of land within the district, or by the owners of one-half of the lands comprising the district, requesting the dissolution of the district, the board of supervisors shall publish a notice once a week for two weeks in some newspaper in the county in which the district was organized, and also in each county in which any part of the district lies, giving notice that such petition has been filed with said board of supervisors, and that the board will hear said petition, and all objections thereto, at the next regular meeting of said board after the expiration of the time of publishing said notice (specifying the date), and directing all persons interested therein to show cause at such time, if any they have, why such district should not be dissolved. At the time appointed for such hearing, or at any time to which the same may be adjourned, the board of supervisors shall hear and pass upon said petition, and may grant or deny the same, and, if its decision shall be against the dissolution of the district, such decision shall be final and conclusive.

If such petition be granted, the board of supervisors shall, by resolution, provide for and order the holding of a special election in such district, and shall submit to the qualified electors of the district the proposition whether or not the district shall be dissolved. The resolution shall recite the filing of the petition for dissolution, and the approval of the same by the board of supervisors, and fix a time for the holding of such election. Such election shall be noticed, conducted, and the returns thereof made and canvassed, in the same manner as is provided in this act for the election upon the question whether or not the district should be organized, excepting that the ballots to be used at said election shall contain the words, "Dissolution of District-- Yes" or "Dissolution of District--No," or words equivalent thereto. If votes representing sixty per cent of the total number of acres of land in the district are cast in favor of the dissolution of such district, then the board of supervisors shall enter an order to that effect upon its minutes, declaring such district dissolved, and upon the entry of such order said district shall be dissolved; *provided, however*, if there shall be any outstanding indebtedness of such district, at the time

of the dissolution thereof, the board of supervisors shall levy taxes for the payment of such indebtedness in like manner as though such district had not been dissolved, until all such indebtedness shall be fully paid, and shall cause such obligations to be paid according to their tenor out of the moneys raised from such taxes.

Upon the dissolution of any such district, any and all real property belonging to the district, shall become and be the property of the county in which the same is situate; and the personal property belonging to the district shall be sold by the board of supervisors of the county in which the district was organized, and the proceeds from such sale, together with all moneys of the district, remaining after the payment of all of the obligations of the district, shall be paid into the general funds of the counties in which any part of the district lies in the same proportions that the assessed values of the lands and improvements thereon (according to the last assessment rolls) within the district in each of said counties bear one to the other.

§ 34-41.5. Filing certificate with secretary of state

Sec. 41.5. Upon dissolution of a district, the clerk of the board of supervisors shall file a certificate with the Secretary of State listing:

- (a) The name of the district.
- (b) The effective date of dissolution.
- (c) The county or counties in which the district was located.

If the order declaring the district dissolved contains all of the information required to be in the certificate, the clerk of the board may file a copy of the order in lieu of the certificate.

§ 34-42. Liberal construction

Sec. 42. CONSTRUCTION OF ACT. This act shall be liberally construed to carry out the purposes and intent hereof.

§ 34-43. Partial invalidity

Sec. 43. CONSTITUTIONALITY. In case any section or sections, or a part of any section, of this act shall be found to be unconstitutional, the remainder of the act shall not be invalidated thereby, but shall remain in full force and effect.

§ 34-44. Effect upon other acts

Sec. 44. ALTERNATIVE ACT. All existing laws of the state, and parts of laws, relating to water conservation, or subjects of which this act treats, shall not be affected in any other way by this act, but this act shall be treated as, and shall be in effect, an alternative act thereto.

§ 34-45. Title of act

Sec. 45. TITLE. This act may be known and cited as the "Water conservation act of 1927."

ATTACHMENT D

DISTRICT SAMPLE BILLS
NOT APPLICABLE

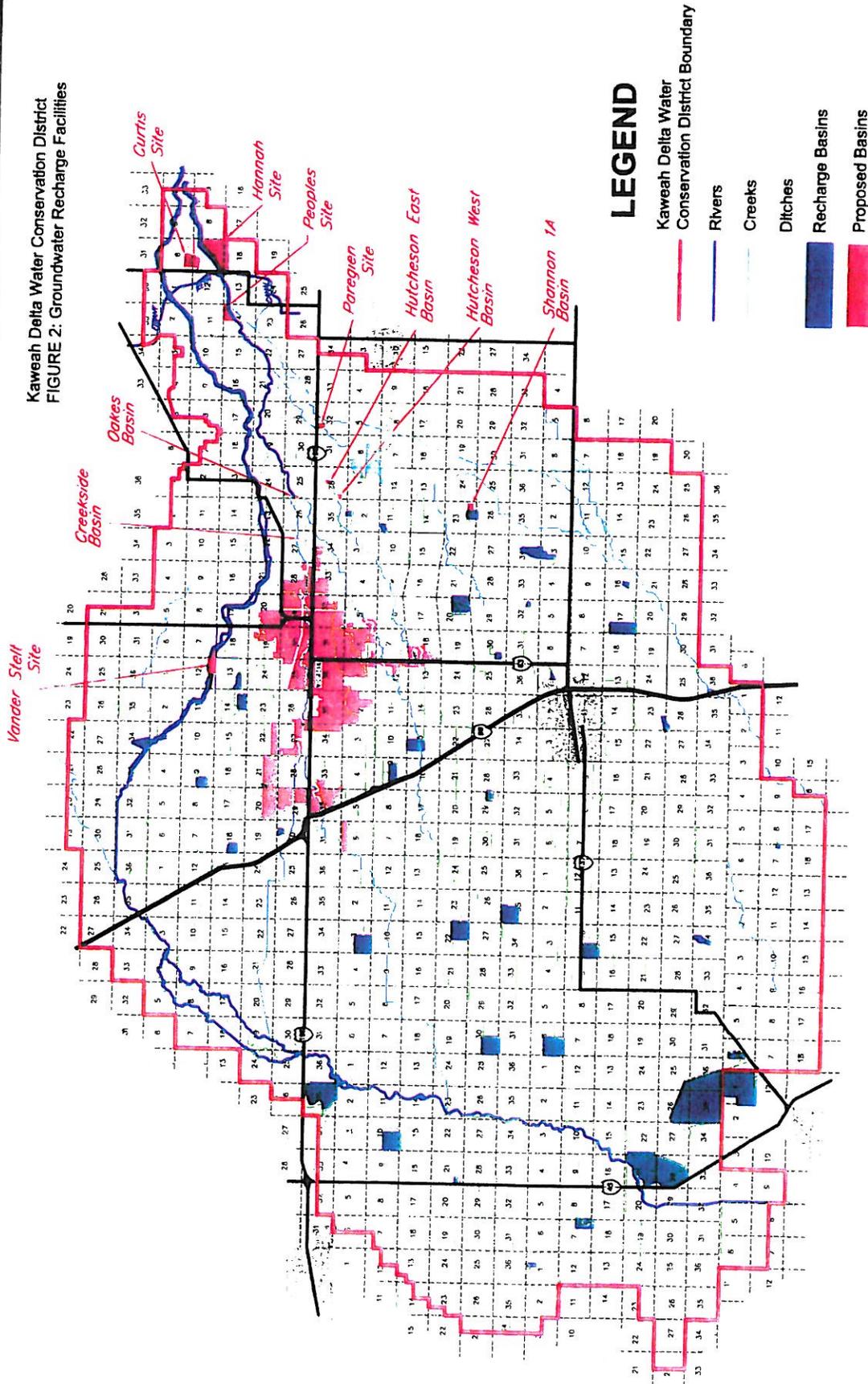
ATTACHMENT E

DISTRICT WATER SHORTAGE PLAN
(NONE)

ATTACHMENT F

DISTRICT MAP OF GROUNDWATER FACILITIES

Kaweah Delta Water Conservation District
FIGURE 2: Groundwater Recharge Facilities



**TABLE 2: Kaweah Delta Water Conservation District
Available Recharge Basin Inventory**

Basin Name	No.	River System	Supply Channel	Owner	Acres	Capacity (AF)	Inflow Capacity (AF)	Recharge (AF)
Doris	25	(either)	Cameron Creek	KDWCD & TID	15	60	30	7
Hutcheson East	45	(either)	Cameron Creek	Kaweah Delta WCD	4.4	n/a	n/a	n/a
Enterprise	2	(either)	Tulare ID Canal	Kaweah Delta WCD	20	100	20	8
Colplen	3	(either)	Tulare ID Canal	Kaweah Delta WCD	160	640	180	60
Abercrombie	14	(either)	Tulare ID Canal	Kaweah Delta WCD	20	80	20	5
Creamline	16	(either)	Tulare ID Canal	Kaweah Delta & Tulare ID	153	535	n/a	85
Franks	17	(either)	Tulare ID Canal	Kaweah Delta WCD	40	160	n/a	6
Guinn	18	(either)	Tulare ID Canal	Kaweah Delta WCD	168	672	70	25
Franks	19	(either)	Tulare ID Canal	Kaweah Delta WCD	130	520	60	16
Wilbur	20	(either)	Tulare ID Canal	KDWCD & TID	20	100	50	5
Bill Clark	32	Kaweah	Consolidated PDC	Private Landowner	2	4	2	1
Elk Bayou	106	Kaweah	Elk Bayou Creek	County of Tulare	6	22	n/a	3
Nelson Pit	13	Kaweah	Evans Ditch	Kaweah Delta WCD	34	340	10	14
Art Shannon	1	Kaweah	Farmers Ditch	Kaweah Delta WCD	22	176	20	20
Gary Shannon	7	Kaweah	Farmers Ditch	Kaweah Delta WCD	5	20	5	5
Gordon Shannon	21	Kaweah	Farmers Ditch	Kaweah Delta WCD	15	90	45	6
Anderson	24	Kaweah	Farmers Ditch	Kaweah Delta WCD	147	588	50	20
Ellis	27	Kaweah	Farmers Ditch	Private Landowner	3	30	15	4
Nunes	29	Kaweah	Farmers Ditch	Kaweah Delta WCD	40	240	50	30
Sunset	95	Kaweah	Inside Creek	Kaweah Delta WCD	103	320	n/a	60
Goshen Pit	12	Kaweah	North Mill Creek	City of Visalia	12	185	10	5
Machado	6	Kaweah	Packwood Creek	Kaweah Delta WCD	166	665	120	80
Corcoran Hwy.	8	Kaweah	Packwood Creek	Kaweah Delta WCD	120	480	150	40
Tagus	11	Kaweah	Packwood Creek	Kaweah Delta WCD	80	800	250	150
Packwood	4	Kaweah	South Mill Creek	City of Visalia	160	800	125	35
1,2,3	n/a	St. Johns	Cross Creek	Corcoran DC	2400	9000	700	200
Doe-Goshen	28	St. Johns	Goshen Ditch	Private Landowner	20	80	25	10
Harrell	30	St. Johns	Harrell No. 1	Private Landowner	50	200	35	40
Lakeside	10	St. Johns	Lakeside Ditch	Kaweah Delta WCD	187	800	75	150
Howe	15	St. Johns	Lakeside Ditch	Kaweah Delta WCD	52.5	208	50	15
Green	23	St. Johns	Lakeside Ditch	Kaweah Delta WCD	4	12	6	1
Lakeside Basin No. 1	n/a	St. Johns	Lakeside Ditch	Lakeside DC	320	1000	289	60
Lakeside Basin No. 2	n/a	St. Johns	Lakeside Ditch	Lakeside DC	64	180	20	30
Willow School	5	St. Johns	Modoc Ditch	Modoc Ditch Co.	50	200	25	25
Goshen (Doe)	9	St. Johns	Modoc Ditch	Private Landowner	40	160	15	10
Shannon-Modoc	22	St. Johns	Modoc Ditch	Private Landowner	10	50	20	4
Doe-Ritchie	26	St. Johns	Modoc Ditch	Private Landowner	20	80	10	10

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Developing Recharge Basin Inventory

Basin Name	No.	River System	Supply Channel	Owner	Acres	Capacity (AF)	Inflow Capacity (AF)	Recharge (AF)
Hutcheson West	44	(either)	Tulare ID Canal	Kaweah Delta WCD	5.8	n/a	n/a	n/a
Paregien	108	Kaweah	Deep Creek	Kaweah Delta WCD	78.5	n/a	n/a	n/a
Art Shannon - 1A	1A	Kaweah	Farmers Ditch	Kaweah Delta WCD	11.82	n/a	n/a	n/a
Hannah South	n/a	Kaweah	Lower Kaweah	Private Landowner	n/a	n/a	n/a	n/a
Peoples	99	Kaweah	Lower Kaweah River	Kaweah Delta WCD	40	n/a	n/a	n/a
Hannah Ranch	109	Kaweah	Lower Kaweah River	Kaweah Delta WCD	398	n/a	n/a	n/a
Oakes	43	Kaweah	Lower Kaweah River	Kaweah Delta WCD	41	36	n/a	n/a
Creekside	n/a	Kaweah	Mill Creek	City of Visalia	n/a	n/a	n/a	n/a
Curtis	107	St. Johns	St. Johns River	Kaweah Delta WCD	95.6	n/a	n/a	n/a
S/K-Vander Steit	111	St. Johns	St. Johns River	City of Visalia	94.7	n/a	n/a	n/a

* Estimate only

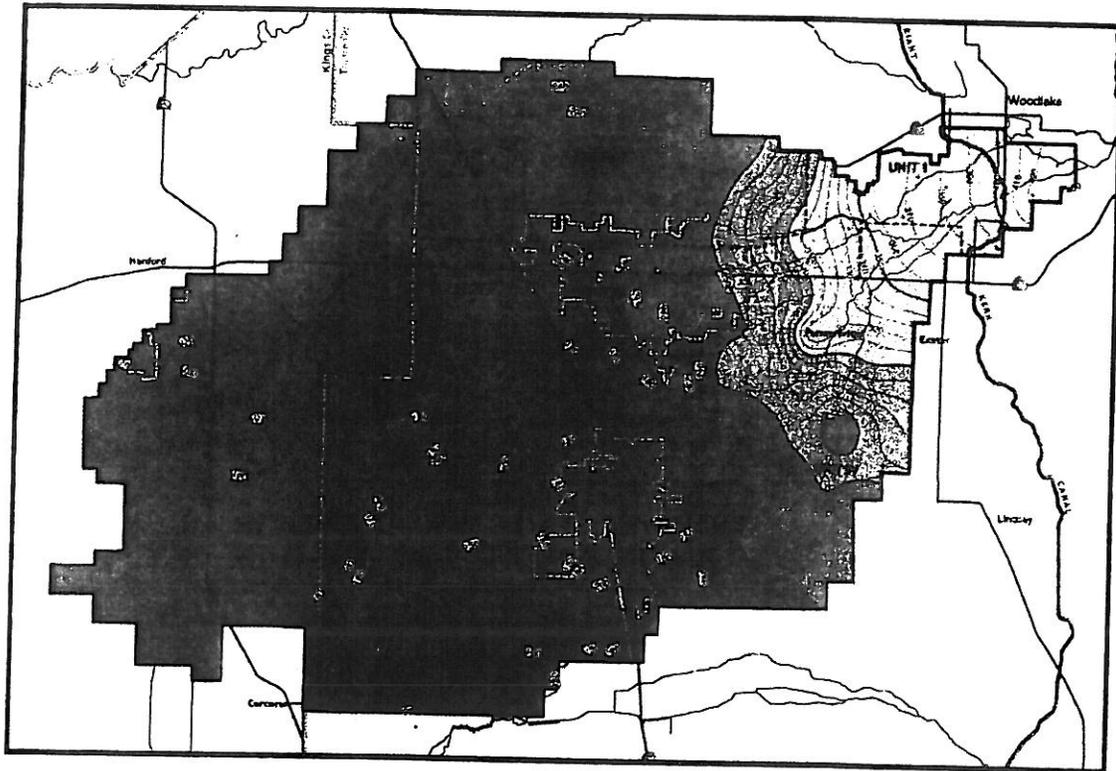
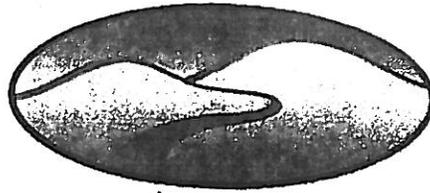
ATTACHMENT G

GROUNDWATER MANAGEMENT PLAN

KAWEAH DELTA

Water Conservation

DISTRICT



GROUNDWATER MANAGEMENT PLAN

(Updated: November 7, 2006)

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ATTACHMENT H

GROUNDWATER BANKING PLAN – NOT APPLICABLE

ATTACHMENT I

DISTRICT ANNUAL WATER QUALITY REPORT
NOT APPLICABLE

ATTACHMENT J

NOTICES OF DISTRICT EDUCATION PROGRAMS
AND SERVICES AVAILABLE TO CUSTOMERS
NOT APPLICABLE

ATTACHMENT K

DISTRICT AGRICULTURAL WATER ORDER FORM
NOT APPLICABLE

ATTACHMENT X

2006 ANNUAL
GROUNDWATER MANAGEMENT PLAN REPORT



GROUNDWATER MANAGEMENT PLAN

2006 ANNUAL REPORT

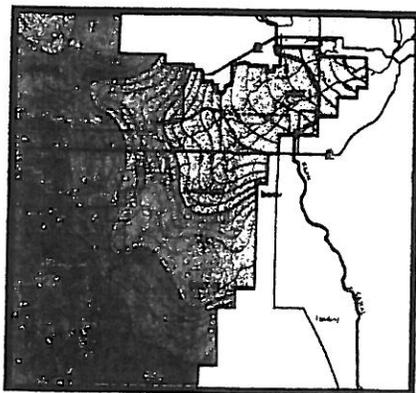
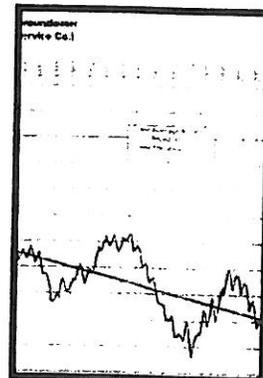


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Appendix E: 2006 Annual Groundwater Report	

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MEMORANDUM

DATE: February 7, 2011

TO: David Woolley
 USBR - Fresno

FROM: KDWCD - Dian Rader *Dian*

SUBJECT: Ag Water Management Plan for KDWCD

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Please find enclosed a copy of the Resolution approving & adopting the Water Management Plan for Kaweah Delta Water Conservation District. Also enclosed is a CD of our Water Management Plan.

*Rec'd
BRM*

**RESOLUTION NO. 2011- 01
OF THE
BOARD OF DIRECTORS
OF THE
KAWEAH DELTA WATER CONSERVATION DISTRICT**

WHEREAS, the United States of America ("United States") has constructed and is operating the Central Valley Project ("Project") in California, for diversion, storage, carriage, distribution and beneficial use, for flood control, irrigation, municipal, domestic, industrial, fish and wildlife mitigation, protection and restoration, generation and distribution of electric energy, salinity control, navigation and other beneficial uses, of the waters of the Sacramento River, the American River, the Trinity River, and the San Joaquin River and their tributaries ("Project Water"); and

WHEREAS, the United States constructed Friant Dam (thereby creating Millerton Lake) and the Friant-Kern and Madera Canals, hereinafter collectively referred to as the "Friant Division Facilities," which have and will be used, in part, for the furnishing of Project Water to Kaweah Delta Water Conservation District ("DISTRICT"); and

WHEREAS, the United States and Ivanhoe Irrigation District have, continuously, since September 12, 1950, been party to a contract, as amended and as renewed periodically, providing for water service from the Friant Division Facilities to Ivanhoe Irrigation District ("Ivanhoe's Existing Contract"); and

WHEREAS, on or about February 26, 2010, by a document entitled "AGREEMENT FOR PARTIAL ASSIGNMENT OF IVANHOE IRRIGATION DISTRICT'S WATER SERVICE CONTRACT TO KAWEAH DELTA WATER CONSERVATION DISTRICT," ("District's Existing Contract") a portion of the rights under Ivanhoe's Existing Contract were assigned to the DISTRICT ("Ivanhoe's Existing Contract" and the "District's Existing Contract" are hereinafter collectively referred to as the "Existing Contract"); and

WHEREAS, the District's Existing Contract was recently converted from a "Section 9(e) contract" to a "Section 9(d) contract" ("District's Existing Section 9(d) Contract"), as allowed under federal law (43 U.S.C.A. §485h) by the DISTRICT making a lump sum payment of a large portion of the capital repayment obligation required to be paid by DISTRICT to the United States; and

WHEREAS, as a condition of delivering water to DISTRICT under the District's Existing Section 9(d) Contract the DISTRICT is required by the United States to develop and obtain approval of a water management plan ("Water Management Plan") that meets certain criteria established by the United States; and

WHEREAS, DISTRICT staff and DISTRICT consultants have worked with personnel of the Bureau of Reclamation of the Department of the Interior of the United States for several months to develop the Water Management Plan, which plan now appears to satisfy the requirements of all involved,

NOW, THEREFORE, upon motion made by Director Watte, seconded by Director Clark, and unanimously carried, the Board of Directors resolved the following: (i) to approve and adopt the Water Management Plan as the plan required in connection with the DISTRICT's contractual rights to Project Water, a copy of which plan is attached hereto as Exhibit A; and (ii) to authorize DISTRICT personnel to submit the Water Management Plan to the United States in satisfaction of the requirement in the District's Existing Section 9(d) Contract regarding the establishment and adoption of such a plan.

CERTIFICATE OF RESOLUTION

I, Mark Larsen, hereby certify as follows:

1. That I am the Secretary of the Kaweah Delta Water Conservation District ("District"); and

2. That the foregoing resolution, consisting of 3 pages, including this page, is a true and correct copy of a resolution of the Board of Directors of the District passed at the meeting of the Board of Directors held on February 1, 2011, at the District's principal executive office, located at 2975 N. Farmersville Boulevard, Farmersville, California 93223.

IN WITNESS WHEREOF, I have signed this certificate this 4th day of February, 2011, at the District's principal executive office.



Mark Larsen, Secretary