

**Westside Water District
Water Management Plan
2010**

Date of first draft 2/2011

Date of final draft 10/2012

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Section 1: Description of the District

District Name: Westside Water District

Contact Name: Daniel Ruiz

Title: General Manager

Telephone: 530-473-2876

E-mail: druiz@westsidewd.com

Web Address none

A. History

1. Date district formed: 11/23/54 Date of first Reclamation contract: 03/16/60

Original size (acres): 12,200 Current year (last complete calendar year): 2010

2. Current size, population, and irrigated acres

	2010
Size (acres)	15,381
Population served	N/A
Irrigated acres	14,775

3. Water supplies received in current year

Water Source	AF
Federal urban water (Tbl 1)	0
Federal agricultural water (Tbl 1)	29091
State water (Tbl 1)	
Other Wholesaler (define) (Tbl 1)	
Local surface water (Tbl 1)	
Upslope drain water (Tbl 1)	
District ground water (Tbl 2)	
Banked water (Tbl 1)	
Transferred water (Tbl 6)	
Reeyeled water (Tbl 3)	
Other (define) (Tbl 1)	
Total	29091

*Note: Water balance is negative due to a very wet spring in 2010. The wet spring led to certain crop using less water than normally required.

4. Annual entitlement under each right and/or contract

	AF	Source	Contract #	Availability period(s)
Reclamation Urban AF/Y	N/A			
Reclamation Agriculture AF/Y	65,000	USBR	14-06-200-8222-LTR1	3/1 thru 2/28
Other AF/Y				

5. *Anticipated land-use changes*

No land use changes occurred or are expected to occur.

6. *Cropping patterns (Agricultural only)*

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

<i>Original Plan 1986</i>		<i>Previous Plan 1998</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>
Alfalfa	686	Almonds	2611	Almonds	8241
Almonds	609	Cotton	1141	Rice	1802
Beans	750	Rice	749	Tomatoes	1614
Corn	719	Tomatoes	3417		
Rice	1209	Vinseed	1182		
Tomatoes	1561	Wheat	2054		
Vinseed	1974				
Wheat	1968				
<i>Other (<5%)</i>	533	<i>Other (<5%)</i>	2073	<i>Other (<5%)</i>	3118
<i>Total</i>	10009	<i>Total</i>	13227	<i>Total</i>	14775

(See Planner, Chapter 2, Appendix A for list of crop names)

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

<i>Original Plan 1986</i>		<i>Previous Plan 1998</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>
Flood	6768	Flood	2821	Flood	1916
Sprinkler	2765	Sprinkler	6515	Sprinkler	2380
		Drip/Micro/Tape	1674	Drip/Micro/Tape	10300
<i>Other</i>	476	<i>Other</i>	4384	<i>Other</i>	179
<i>Total</i>	10009	<i>Total</i>	13227	<i>Total</i>	14775

(See Planner, Chapter 2, Appendix A for list of irrigation system types)

B. Location and Facilities

See Attachment A for inflow points, turnouts (internal flow), and outflow (spill) points, conveyance system, storage facilities, operational loss recovery system, wells, and water quality monitoring locations.

1. *Incoming flow locations and measurement methods*

<i>Location Name</i>	<i>Physical Location</i>	<i>Type of Measurement Device</i>	<i>Accuracy</i>
Lateral 1	TCC Milepost 71.46L	Propeller	5%
Vann	TCC Milepost 74.01-1L	Propeller	5%
Lateral 2	TCC Milepost 75.93L	SonTek	3%
Abel	TCC Milepost 76.24L	Propeller	5%
MS-S1	TCC Milepost 78.09L	Propeller	5%
Lateral 3	TCC Milepost 78.82-1L	SonTek	3%

G&P	TCC Milepost 78.86R	SonTek	3%
Parker	TCC Milepost 79.33L	Propeller	5%
Lateral 4-1	TCC Milepost 80.43-1L	SonTek	3%
Lateral 4-2	TCC Milepost 80.43-2L	SonTek	3%
Peterson	TCC Milepost 80.53R	Propeller	5%
Lateral 5	TCC Milepost 82.04L	SonTek	3%
Lateral 6	TCC Milepost 83.73L	SonTek	3%
Ferrini	TCC Milepost 84.90R	Propeller	5%
Lateral 7	TCC Milepost 85.62L	SonTek	3%
Lateral 8	TCC Milepost 86.32L	SonTek	3%
Wiggin	TCC Milepost 88.30	Propeller	5%
Lateral 9	TCC Milepost 88.76L	SonTek	3%
Grimmer	TCC Milepost 89.52L	SonTek	3%
Lateral 10	TCC Milepost 90.00L	SonTek	3%

2. *Current year Agricultural Conveyance System*

<i>Miles Unlined - Canal</i>	<i>Miles Lined - Canal</i>	<i>Miles Piped</i>	<i>Miles - Other</i>
		30	

3. ~~*Current year Urban Distribution System*~~

4. *Storage facilities (tanks, reservoirs, regulating reservoirs)*

<i>Name</i>	<i>Type</i>	<i>Capacity (Gal)</i>	<i>Distribution or Spill</i>
2P	Surge Tank	239,000	Distribution
4P	Surge Tank	320,000	Distribution
5P	Surge Tank	440,000	Distribution
6P	Surge Tank	385,000	Distribution
7P	Surge Tank	433,000	Distribution
9P	Surge Tank	651,000	Distribution

5. *Outflow locations and measurement methods (Agricultural only)*

Provide this information in Section 2 F.

No outflow.

6. *Description of the agricultural spill recovery system*

None

7. *Agricultural delivery system operation (check all that apply)*

<i>On-demand</i>	<i>Scheduled</i>	<i>Rotation</i>	<i>Other (describe)</i>
	x		

8. *Restrictions on water source(s)*

<i>Source</i>	<i>Restriction</i>	<i>Cause of Restriction</i>	<i>Effect on Operations</i>
Sac River	Water Availability	Regulatory/Enviro	Reduced Water Reliability
CVP	Water Shortage	Drought	Unable to meet demands

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

None

C. Topography and Soils

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

Topography within the District has changes operations due to new irrigation methods. With the advent of new irrigation methods such as drip, micro and tape, farmers are able to cultivate and farm rolling hills and unlevelled ground. In the past, irrigation methods prevented farmers from taking advantage of farming unlevel ground.

The District contains a central north-south belt of low alluvial plains and alluvial fans averaging less than five miles in width. This alluvial belt area is bordered on the west by the foothills of the Coast Range and on the east by the Sacramento River flood plain. Along the westerly edge of the District is a narrow, discontinuous low ridge that rises 50 to 100 feet above the alluvial plain and constitutes the first of a series of north-south parallel ridges and intervening valleys that comprise the easterly front of the Coast Range. Land surface elevations in the middle and northerly portions of the District range from about 110 feet at the Glenn-Colusa Canal, near the easterly boundary of the District, to a maximum of about 400 feet in the northwest corner of the District.

South of State Highway 20, the trend of the low foothills changes to the southeast. The westerly and southerly boundaries of the District generally coincide with the edge of the alluvial plain, which is at an elevation of about 200 feet.

2. *District soil association map (Agricultural only)*

See Attachment B, District Soils Map

3. *Agricultural limitations resulting from soil problems (Agricultural only)*

<i>Soil Problem</i>	<i>Estimated Acres</i>	<i>Effect on Water Operations and Management</i>
Salinity	0	
High-water table	0	
High or low infiltration rates	0	
Other-Heavy Clay Soil	8,000	Higher runoff during irrigation

D. Climate

1. *General climate of the district service area*

	<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>	2.82	3.42	2.96	.93	.22	.09	0.03	0.09	.68	1.09	4.19	3.30	19.83
<i>Avg Temp.</i>	45.2	49.9	53.6	59	67.1	74.7	78.5	76.5	72	63.8	52.6	46	61.6
<i>Max. Temp.</i>	55.4	62.3	66.2	74.2	84.5	92.7	95.6	94.3	86.3	76.8	60.0	55.1	75.5
<i>Min. Temp</i>	36.3	40.3	42.9	46.6	53.7	59.3	60.1	58.9	54.5	47.5	40.2	37.4	48.3
<i>ETo</i>	.95	1.73	3.42	5.03	6.43	7.62	8.34	7.23	5.35	3.78	1.79	1.08	52.75

Weather station ID 049677 Data period: Year 1/1981 to Year 12/2010

Average wind velocity 7.8 Average annual frost-free days: 256

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

Significantly differing from surrounding valley rain conditions, the district lay in the rain shadow of the coastal mountain range. Spring winds blowing off the foothills cause increased drying of alluvial soils. Tender spring planted crops (such as Tomatoes) require pre-irrigation to insure establishment. This results in irrigation rates above the State average water requirement for these crops in most years. However, in 2010 the District experienced a wet spring leaving water use numbers below average.

E. Natural and Cultural Resources

1. Natural resource areas within the service area

<i>Name</i>	<i>Estimated Acres</i>	<i>Description</i>
None		

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

None

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

<i>Name</i>	<i>Estimated Acres</i>	<i>Description</i>
None		

F. Operating Rules and Regulations

1. Operating rules and regulations

See Attachment C, District Rules and Regulations (water related)

2. Water allocation policy (Agricultural only)

See Attachment C, District Rules and Regulations (water related) Page 23

Summary – Water will be distributed on a pro rata basis to all land within Westside, without regard to the date land was annexed to Westside, in accordance with the provisions of the California Water Code.

3. Official and actual lead times necessary for water orders and shut-off (Agricultural only)

See Attachment C

Summary – The District requires 24 hour lead time for water orders which should include turn on and off times, flow, and any other changes desired. Water orders are collected at 2 pm daily by phone, fax or email.

4. Policies regarding return flows (surface and subsurface drainage from farms) and outflow (Agricultural only)

See Attachment C, Page 11

Summary – The District does not measure or track outflow because it is so minimal and not measurable.

5. Policies on water transfers by the district and its customers

See Attachment G

Summary – This policy implements the transfer provisions of Title 34 of P.L.102-575 (CVPIA)

G. Water Measurement, Pricing, and Billing

1. Agricultural Customers

- a. Number of customers 53
- b. Number of delivery points (turnouts and connections) 102
- c. Number of delivery points serving more than one customer None
- d. Number of measured delivery points (meters and measurement devices) 102
- e. Percentage of delivered water that was measured at a delivery point 100

f. Delivery point measurement device table (Agricultural only)

Measurement Type	Number	Accuracy (+/- %)	Reading Frequency (Days)	Calibration Frequency (Months)	Maintenance Frequency (Months)
Orifices					
Propeller meter	102	5%	30	36	12
Weirs					
Flumes					
Venturi					
Metered gates					
Acoustic doppler					
Other (define)					
Total	102				

~~2. Urban Customers~~

3. Agriculture Customers

- a. Current year agriculture water charges - including rate structures and billing frequency
See Attachment F, for current year rate ordinance

Annual charges collected from customers 2010

Fixed Charges			
Charges (\$ unit)	Charge units (acre)	Units billed during year (acres, customer) etc.	\$ collected (\$ times units)
20.23	Acre	15,381	\$311,158

Volumetric charges			
<i>Charges (\$ unit)</i>	<i>Charge units (AF), (HCF), etc.</i>	<i>Units billed during year (AF, HCF) etc.</i>	<i>\$ collected (\$ times units)</i>
25.72	AF	29,091	\$748,221

See Attachment D, District Sample Bills

b. Water-use data accounting procedures

Meters are read the last day of every month. A spreadsheet is generated showing total usage by each meter. This information, along with the last 3 years of use information, is available upon request. As indicated by the above table, due to a wet spring, all water users stayed with the Tier I category of pricing.

H. Water Shortage Allocation Policies

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

See Attachment E, District Water Shortage Plan

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

See Attachment C, Page 11

Section 2: Inventory of Water Resources

A. Surface Water Supply

1. *Acre-foot amounts of surface water delivered to the water purveyor by each of the purveyor's sources*
See Water Inventory Tables, Table 1

2. *Amount of water delivered to the district by each of the district sources for the last 10 years*
See Water Inventory Tables, Table 8

B. Ground Water Supply

1. *Acre-foot amounts of ground water pumped and delivered by the district*
See Water Inventory Tables 2& 3 for relevant information about groundwater.

2. *Ground water basin(s) that underlies the service area*

<i>Name</i>	<i>Size (Square Miles)</i>	<i>Usable Capacity (AF)</i>	<i>Safe Yield (AF/Y)</i>
Sacramento Valley	4,900	22,000,000	13,700

3. *Map of district-operated wells and managed ground water recharge areas*
The District does not own nor operate any wells.

4. *Description of conjunctive use of surface and ground water*
None

5. *Ground Water Management Plan*
None

6. *Ground Water Banking Plan*
None

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. ~~*Potable Water Quality (Urban only)*~~

2. *Agricultural water quality concerns:* Yes _____ No X
 (If yes, describe)

3. *Description of the agricultural water quality testing program and the role of each participant, including the district, in the program*

None

4. *Current water quality monitoring programs for surface water by source (Agricultural only)*

None

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

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

None

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

E. Water Uses within the District

1. *Agricultural*

See Water Inventory Tables, Table 5 - Crop Water Needs

2. *Types of irrigation systems used for each crop in current year*

<i>Crop name</i>	<i>Total Acres</i>	<i>Level Basin - acres</i>	<i>Furrow - acres</i>	<i>Sprinkler - acres</i>	<i>Low Volume - acres</i>	<i>Multiple methods - acres</i>
Rice	1081	1081				
Almonds	8241				8241	
Tomatoes	1614			1614		
Alfalfa	587	587				
Walnuts	219				219	
Grapes	479				479	
Pasture	169	169				
Seed/Row Crops	2386		2386			

3. ~~Urban use by customer type in current year~~

4. *Urban Wastewater Collection/Treatment Systems serving the service area – current year*

None

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

None

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

<i>From Whom</i>	<i>To Whom</i>	<i>AF</i>	<i>Use</i>
Westside WD	Colusa County WD	6000	AG
Westside WD	Colusa County WD	6000	AG

7. *Trades, wheeling, wet/dry year exchanges, banking or other transactions in current year (Table 6)*
None

8. *Other uses of water in current year*
None

F. Outflow from the District (Agricultural only)

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

1. *Surface and subsurface drain/outflow in current year*

The District does not measure or track outflow because it is so minimal and not measurable. The District does not conduct water quality testing at this time.

2. *Description of the Outflow (surface and subsurface) water quality testing program and the role of each participant in the program*

None

3. *Outflow (surface drainage & spill) Quality Testing Program*

None

Outflow (subsurface drainage) Quality Testing Program

None

4. Provide a brief discussion of the District’s involvement in Central Valley Regional Water Quality Control Board programs or requirements for remediating or monitoring any contaminants that would significantly degrade water quality in the receiving surface waters.

The majority of the District is irrigated with drip or tape methods resulting in no drain water leaving the District.

G. Water Accounting (Inventory)

1. *Water Supplies Quantified*

- a. *Surface water supplies, imported and originating within the service area, by month (Table 1)*
- b. *Ground water extracted by the district, by month (Table 2)*
- c. *Effective precipitation by crop (Table 5)*
- d. *Estimated annual ground water extracted by non-district parties (Table 2)*
- e. *Recycled urban wastewater, by month (Table 3)*
- f. *Other supplies, by month (Table 1)*

2. *Water Used Quantified*

- a. *Agricultural conveyance losses, including seepage, evaporation, and operational spills in canal systems (Table 4) *Note: water balance is negative due to a new Sontek meter system, installed and funded by Reclamation. The calibration reconciliation the District does with the TCCA is expected to be completed by 2013. At this point we don't have the ability to calculate seepage loss due to the ongoing calibration reconciliation with the TCCA.
Urban leaks, breaks and flushing/fire uses in piped systems (Table 4)*
- b. *Consumptive use by riparian vegetation or environmental use (Table 6)*
- c. *Applied irrigation water - crop ET, water used for leaching/cultural practices (e.g., frost protection, soil reclamation, etc.) (Table 5)*
- d. *Urban water use (Table 6)*
- e. *Ground water recharge (Table 6) *Note: water balance is negative due to a new Sontek meter system, installed and funded by Reclamation. The calibration reconciliation the District does with the TCCA is expected to be completed by 2013.*
- f. *Water exchanges and transfers and out-of-district banking (Table 6)*
- g. *Estimated deep percolation within the service area (Table 6)*
- h. *Flows to perched water table or saline sink (Table 7)*
- i. *Outflow water leaving the district (Table 6)*
- j. *Other*

3. *Overall Water Inventory*

- a. *Table 6*

H. Assess Quantifiable Objectives:

Identify the Quantifiable Objectives that apply to the District (Planner, chapter 10) and provide a short narrative describing past, present and future plans that address the CALFED Water Use Efficiency Program goals identified for the District.

<i>QO #</i>	<i>QO Description</i>	<i>Past, Present & Future Plans</i>
22 & 23	Quality: reduce group A pesticides to enhance & maintain beneficial uses of water.	The District uses only minimal amounts of pesticides to spray our Drains. The majority of the weed growth in our drains can be linked to precipitation due to our drains being dry 90% of the year.
25	Quantity: decrease nonproductive ET to increase water supply for beneficial uses.	Our conveyance system is completely piped, plus increased use of drip irrigation has the benefit of decreasing nonproductive ET.
26	Provide long-term flexibility to increase	The District is automated with regulating

	water supply for beneficial uses.	reservoir tanks to allow for delivery flexibility.
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Section 3: Best Management Practices (BMPs) for Agricultural Contractors

A. Critical Agricultural BMPs

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

Number of turnouts that are unmeasured or do not meet the standards listed above: None

Number of measurement devices installed last year: 1

Number of measurement devices installed this year: 1

Number of measurement devices to be installed next year: 1

<i>Types of Measurement Devices Being Installed</i>	<i>Accuracy</i>	<i>Total Installed During Current Year</i>
McCrometer propeller meter	5%	1

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

Name: Daniel Ruiz *Title:* General Manager

Address: 5005 State Highway 20, Williams, CA 95987

Telephone: 530-473-2876 *E-mail:* druiz@westsidewd.com

3. *Provide or support the availability of water management services to water users*
Notices of District Education Programs and Services Available to Customers.

None implemented to date; plans are being made for an annual newsletter to be sent to landowners in the future.

a. On-Farm Evaluations

	<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>	0	0	0	100	300
<i>Number of farms</i>	0	0	0	1	3

- 1) On farm irrigation and drainage system evaluations using a mobile lab type assessment.

In 2012 the District has plans to contact Tehama County RCD and develop a plan on how to disseminate the on farm evaluation and performance information to our growers. This will allow the District to gauge what level of participation we have with growers. The plan is to yield timely field and crop specific water use information to the water user. Management is also looking into hiring a consulting firm to build a

hydrological model of the District. This model will assist management and landowners identify constraints along the pipeline and will track water hammer spikes. We have seen many water hammer spikes due to new on-farm irrigations methods which ultimately lead to damage of the District’s pipeline. Working together to minimize damage to the District’s aging pipeline has become an immediate concern of landowners and District management.

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

All water use and cropping information is available to landowners at their request. The District is working toward a new billing program that will provide more accurate information for the water user on a monthly basis. The new billing program will show individual irrigation detail to help growers with their water scheduling during the irrigation season. Plans are to implement this new billing system in 2012.

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

Our new billing system will provide the water user with a website that will supply real-time ET information and scheduling help. The website is <http://www.wateright.org/index.asp>. In addition, the District will offer training should the water users need additional information beyond the existing tutorial provided by the site. Depending on the level of demand for this training, the District will either have individual training sessions or hold a classes for our water users.

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

We do not know of any water quality problems at this time. The District plans to explore methods to make information about water quality available to our growers in the future.

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>
CSU Chico Agricultural Teaching and Research Center	CSU Chico College of Agriculture	Identify new techniques for staff to better manage our water.

e. other

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

Describe the quantity-based water pricing structure, the cost per acre-foot, and when it became effective.

Price of water is set every year by the Board and is priced mainly on water allocations for the irrigation season. The District charges all water based on acre-feet measured at the turnout and has been in effect since the District’s inception.

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

Management is concerned with the potential policy changes associated with the problems in the Delta and the direction of the Delta Stewardship Council.

6. Evaluate and improve efficiencies of district pumps

Describe the program to evaluate and improve the efficiencies of the contractor's pumps.

The Board directed staff to begin building reserves for pump maintenance and replacement due to the age of District pumps. This plan began in 2009 with a modest allocation of \$5,000 per year. The plan is implemented based on the idea that District's pumping facilities are over 30 years old and while repairs have been minimal to this point, we expect major repairs to be just around the corner.

B. Exemptible BMPs for Agricultural Contractors

(See Planner, Chapter 2, Appendix C for examples of exemptible conditions)

There are no known problems with soil within the District.

1. Facilitate alternative land use

<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>		

Describe how the contractor encourages customers to participate in these programs.

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

The District does not have access to Urban waste water.

<i>Sources of Recycled Urban Waste Water</i>	<i>AF/Y Available</i>	<i>AF/Y Currently Used in District</i>

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

<i>Funding source Programs</i>	<i>How provide assistance</i>
USBR Programs as available	The District would cost-share plus administer grant
NRCS EQIP Program	Provide information through mailer and administer in needed
NRCS AWEP Program	Provide information through mailer and administer in needed

The District plans to begin cataloging information on available on-farm financing beginning in 2012.

4. Incentive pricing

<i>Structure of incentive pricing</i>	<i>Related goal</i>
The District’s initial allocation of 2.73 AF/AC is Tier I water. If crops need more water than the initial allocation, user must buy Tier II water at a higher price. In 2010 our Tier I water was sold for \$25.72 and Tier II for \$45.61/AF. Due to an abnormally wet year, all water users stayed in the Tier I category.	More efficient use of surface water.

5. a) Line or pipe ditches and canals

The District is completely piped and has no measurable seepage.

<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) Construct regulatory reservoirs

The District has no plans to construct new regulating reservoirs, but will in the future if it finds it a feasible venture.

<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 Attachment F, contractor 'agricultural water order' form

The District is exploring other, more efficient, forms of communications, such as emails and text messaging, to increase operational efficiency in our water system.

7. Construct and operate district spill and tailwater recovery systems

Due to the efficient irrigation practices within the District, there is minimal spill and tailwater leaving the District. Based on the visual analysis of these minimal flows, Management does not find it a feasible investment at this time.

<i>Distribution System Lateral</i>	<i>Annual Spill (AF/Y)</i>	<i>Quantity Recovered and reused (AF/Y)</i>
Total		

<i>Drainage System Lateral</i>	<i>Annual Drainage Outflow (AF/Y)</i>	<i>Quantity Recovered and reused (AF/Y)</i>
Total		

8. Plan to measure outflow.

The District does not measure outflow due to immeasurable outflows.

Total # of outflow (surface) locations/points _____

Total # of outflow (subsurface) locations/points _____

Total # of measured outflow points _____

Percentage of total outflow (volume) measured during report year _____

Identify locations, prioritize, determine best measurement method/cost, submit funding proposal

<i>Location & Priority</i>	<i>Estimated cost (in \$1,000s)</i>

	2009	2010	2011	2012	2013

9. Optimize conjunctive use of surface and ground water

The District does not own nor operate any groundwater wells. However, during dry years, use of Warren Act water and transfer water has been utilized within the District leading to higher rates. This scenario influences the optimization of conjunctive use in the fact that District growers look to groundwater as a more economical source of water and a source of water that can be utilized to fill the water deficit during low allocation years. Then during wet years, the abundance of surface supplies allows for lower water rates, which makes the District water more economical for growers.

10. Automate canal structures

The District is fully piped, all canal structures are operated by the Tehama Colusa Canal Authority based on water orders of members.

11. Facilitate or promote water customer pump testing and evaluation

The District did not facilitate customer pump testing and evaluations in 2010; however, the District is exploring methods to communicate this information to its growers. The District staff does participate and attend classes offered by CSU Chico and PGE.

12. Mapping

With the assistance of CSU Chico staff, the District is exploring funding availability for future GIS expansion. CSU has already assisted the District with background mapping and is recommending the District purchase a sub-inch GPS mapping device which will assist District staff to further our mapping capabilities. The District plans to have this device implemented fully by 2014.

GIS maps	Estimated cost (in \$1,000s)				
	2010	2011	2012	2013	2014
Layer 1 – Distribution system			1	2	2
Layer 2 – Drainage system			1	2	2
Suggested layers:					
Layer 3 – Ground water information					1
Layer 4 – Soils map			1	2	2
Layer 5 – Natural & cultural resources					
Layer 6 – Problem areas			1		1

C. Provide a 3-Year Budget for Implementing BMPs

1. Amount actually spent during current year.

BMP #	BMP Name	Actual Expenditure (not including staff time)	Staff Hours
A 1	Measurement	\$1500	90
2	Conservation staff	\$0	80
3	On-farm evaluation /water delivery info	\$0	0

	<i>Irrigation Scheduling</i>	\$0	120
	<i>Water quality</i>	\$0	0
	<i>Agricultural Education Program</i>	\$0	0
4	<i>Quantity pricing</i>	\$0	40
5	<i>Policy changes</i>	\$2000	120
6	<i>Contractor's pumps</i>	\$5000	20
B	1 <i>Alternative land use</i>	\$0	0
	2 <i>Urban recycled water use</i>	\$0	0
	3 <i>Financing of on-farm improvements</i>	\$0	0
	4 <i>Incentive pricing</i>	\$0	50
	5 <i>Line or pipe canals/install reservoirs</i>	\$0	0
	6 <i>Increase delivery flexibility</i>	\$0	40
	7 <i>District spill/tailwater recovery systems</i>	\$0	0
	8 <i>Measure outflow</i>	\$0	0
	9 <i>Optimize conjunctive use</i>	\$0	0
	10 <i>Automate canal structures</i>	\$0	0
	11 <i>Customer pump testing</i>	\$0	0
	12 <i>Mapping</i>	\$0	40
	<i>Total</i>	\$8,500	600

2. *Projected budget summary for the next year.*

<i>BMP #</i>	<i>BMP Name</i>	<i>Budgeted Expenditure (not including staff time)</i>	<i>Staff Hours</i>
A	1 <i>Measurement</i>	\$1500	90
	2 <i>Conservation staff</i>	\$0	100
	3 <i>On-farm evaluations/water delivery info</i>	\$0	20
	<i>Irrigation Scheduling</i>	\$0	120
	<i>Water quality</i>	\$0	0
	<i>Agricultural Education Program</i>	\$0	20
4	<i>Quantity pricing</i>	\$0	80
5	<i>Policy changes</i>	\$4000	200
6	<i>Contractor's pumps</i>	\$5000	20
B	1 <i>Alternative land use</i>	\$0	0
	2 <i>Urban recycled water use</i>	\$0	0
	3 <i>Financing of on-farm improvements</i>	\$0	0
	4 <i>Incentive pricing</i>	\$0	50
	5 <i>Line or pipe canals/install reservoirs</i>	\$0	0
	6 <i>Increase delivery flexibility</i>	\$0	50
	7 <i>District spill/tailwater recovery systems</i>	\$0	0
	8 <i>Measure outflow</i>	\$0	0
	9 <i>Optimize conjunctive use</i>	\$0	0
	10 <i>Automate canal structures</i>	\$0	0
	11 <i>Customer pump testing</i>	\$200	40
	12 <i>Mapping</i>	\$500	80
	<i>Total</i>	\$11,200	870

3. *Projected budget summary for 3rd year.*

<i>BMP #</i>	<i>BMP Name</i>	<i>Budgeted Expenditure (not including staff time)</i>	<i>Staff Hours</i>
A 1	Measurement	\$1500	90
2	Conservation staff	\$0	100
3	On-farm evaluations/water delivery info	\$0	20
	Irrigation Scheduling	\$0	120
	Water quality	\$0	0
	Agricultural Education Program	\$0	20
4	Quantity pricing	\$0	80
5	Policy changes	\$4000	200
6	Contractor's pumps	\$5000	20

(continued)

<i>BMP #</i>	<i>BMP Name</i>	<i>Budgeted Expenditure (not including staff time)</i>	<i>Staff Hours</i>
B 1	Alternative land use	\$0	0
2	Urban recycled water use	\$0	0
3	Financing of on-farm improvements	\$0	30
4	Incentive pricing	\$0	50
5	Line or pipe canals/install reservoirs	\$0	0
6	Increase delivery flexibility	\$0	50
7	District spill/tailwater recovery systems	\$0	0
8	Measure outflow	\$0	0
9	Optimize conjunctive use	\$0	0
10	Automate canal structures	\$0	0
11	Customer pump testing	\$200	40
12	Mapping	\$500	80
	<i>Total</i>	\$11,200	900

~~Section 4: Best Management Practices for Urban Contractors~~

Year of Data **Enter data year here**

Table 1

Surface Water Supply

2010 Month	Federal Ag Water (acre-feet)	Federal non- Ag Water. (acre-feet)	State Water (acre-feet)	Local Water (acre-feet)	Other Water (acre-feet)	Upslope Drain Water (acre-feet)	Total (acre-feet)
Method							
January	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0
March	556	0	0	0	0	0	556
April	1004	0	0	0	0	0	1,004
May	5287	0	0	0	0	0	5,287
June	7169	0	0	0	0	0	7,169
July	7223	0	0	0	0	0	7,223
August	4703	0	0	0	0	0	4,703
September	1844	0	0	0	0	0	1,844
October	1063	0	0	0	0	0	1,063
November	242	0	0	0	0	0	242
December	0	0	0	0	0	0	0
TOTAL	29,091	0	0	0	0	0	29,091

Table 2
Ground Water Supply

2010 Month	District Groundwater (acre-feet)	Private Groundwater *(acre-feet)
Method		
January	0	0
February	0	0
March	0	250
April	0	475
May	0	1,338
June	0	1,201
July	0	955
August	0	1,012
September	0	1,696
October	0	0
November	0	36
December	0	0
TOTAL	0	6,964

*Estimated private groundwater only, no Warren Act groundwater transfers in 2010

Table 3

Total Water Supply

2010 Month	Surface Water Total (acre-feet)	District Groundwater (acre-feet)	Recycled M&I (acre-feet)	Total District (acre-feet)
January	0	0	0	0
February	0	0	0	0
March	556	0	0	556
April	1,004	0	0	1,004
May	5,287	0	0	5,287
June	7,169	0	0	7,169
July	7,223	0	0	7,223
August	4,703	0	0	4,703
September	1,844	0	0	1,844
October	1,063	0	0	1,063
November	242	0	0	242
December	0	0	0	0
TOTAL	29,091	0	0	29,091

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

Table 4

Distribution System

2010								
Canal, Pipeline, Lateral, Reservoir	Length (feet)	Width (feet)	Surface Area (square feet)	Precipitatio (acre-feet)	Evaporation (acre-feet)	Spillage (acre-feet)	Seepage (acre-feet)	Total (acre-feet)
Lateral 2	1,488	2	2,976	0	0	0	0	0
Lateral 3	23,440	2	46,880	0	0	0	0	0
Lateral 4	31,272	3	78,180	0	0	3	0	(3)
Lateral 5	14,892	2	29,784	0	0	0	0	0
Lateral 6	30,377	2	60,754	0	0	0	0	0
Lateral 7	11,874	2	23,748	0	0	0	0	0
Lateral 8	18,592	2	37,184	0	0	0	0	0
Lateral 9	13,406	3	33,515	0	0	0	0	0
Lateral 10	30	2	60	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TOTAL			313,081	0	0	3	0	3

Table 5

Crop Water Needs

2010 Crop Name	Area (crop acres)	Crop ET (AF/Ac)	Leaching Requiremen (AF/Ac)	Cultural Practices (AF/Ac)	Effective Precipitatio (AF/Ac)	Appl. Crop Water Use (acre-feet)
Alfalfa	587	3.15	0.00	0.00	0.13	1,773
Almonds	8,241	3.05	0.00	0.00	0.13	24,064
Beans	302	0.67	0.00	0.00	0.11	169
Corn	114	2.06	0.00	0.00	0.09	225
Grapes	479	2.08	0.00	0.00	0.08	958
Hay	248	0.67	0.00	0.00	0.11	139
Onions	11	0.82	0.00	0.00	0.11	8
Pasture	169	3.42	0.00	0.00	0.13	556
Rice	1,081	3.19	0.00	0.00	0.07	3,373
Safflower	121	1.66	0.00	0.00	0.11	188
Sunflower	350	1.66	0.00	0.00	0.11	543
Tomatoes	1,614	1.72	0.00	0.00	0.05	2,695
Turnips	0	2.00	0.00	0.00	0.00	0
Vinseed	697	0.90	0.00	0.00	0.13	537
Walnuts	219	3.33	0.00	0.00	0.13	701
Wheat	543	0.67	0.00	0.00	0.11	304
	0	0.00	0.00	0.00	0.00	0
	0	0.00	0.00	0.00	0.00	0
Crop Acres	14,776					36,231

Total Irrig. Acres 14,776 (If this number is larger than your known total, it may be due to double cropping)

Table 6

2010 District Water Inventory

Water Supply	Table 3		29,091
Riparian ET	(Distribution and Drain)	minus	0
Groundwater recharge	intentional - ponds, injection	minus	0
Seepage	Table 4	minus	0
Evaporation - Precipitation	Table 4	minus	0
Spillage	Table 4	minus	3
Transfers/exchanges/trades/wheel (into or out of the district)		plus/minus	
Non-Agri deliveries delivered to non-ag customer:		minus	0
Water Available for sale to agricultural customers			29,088
<i>Compare the above line with the next line to help find data gaps</i>			
2010 Actual Agricultural Water Sales	From District Sales Records		29,091
Private Groundwater	Table 2	plus	6,964
Crop Water Needs	Table 5	minus	36,231
Drainwater outflow (tail and tile not recycled)		minus	0
Percolation from Agricultural Land	(calculated)		(175)

Table 7

Influence on Groundwater and Saline Sink

2010

Agric Land Deep Perc + Seepage + Recharge - Groundwater Pumping = District Influence	0
Estimated actual change in ground water storage, including natural recharge)	0
Irrigated Acres (from Table 5)	14,776
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 (acre-feet)	Upslope Drain Water (acre-feet)	Total (acre-feet)
2001	18,000	0	0	0	0	0	18,000
2002	25,000	0	0	0	0	0	25,000
2003	24,619	0	0	0	0	0	24,619
2004	25,000	0	0	0	0	0	25,000
2005	33,994	0	0	0	0	0	33,994
2006	31,534	0	0	0	0	0	31,534
2007	39,758	0	0	0	0	0	39,758
2008	20,803	0	0	0	13,775	0	34,578
2009	7,654	0	0	0	21,147	0	28,801
2010	29,091	0	0	0	0	0	29,091
Total	255,453	0	0	0	34,922	0	290,375
Average	25,545	0	0	0	3,492	0	29,038

Attachment A

District Facilities Map

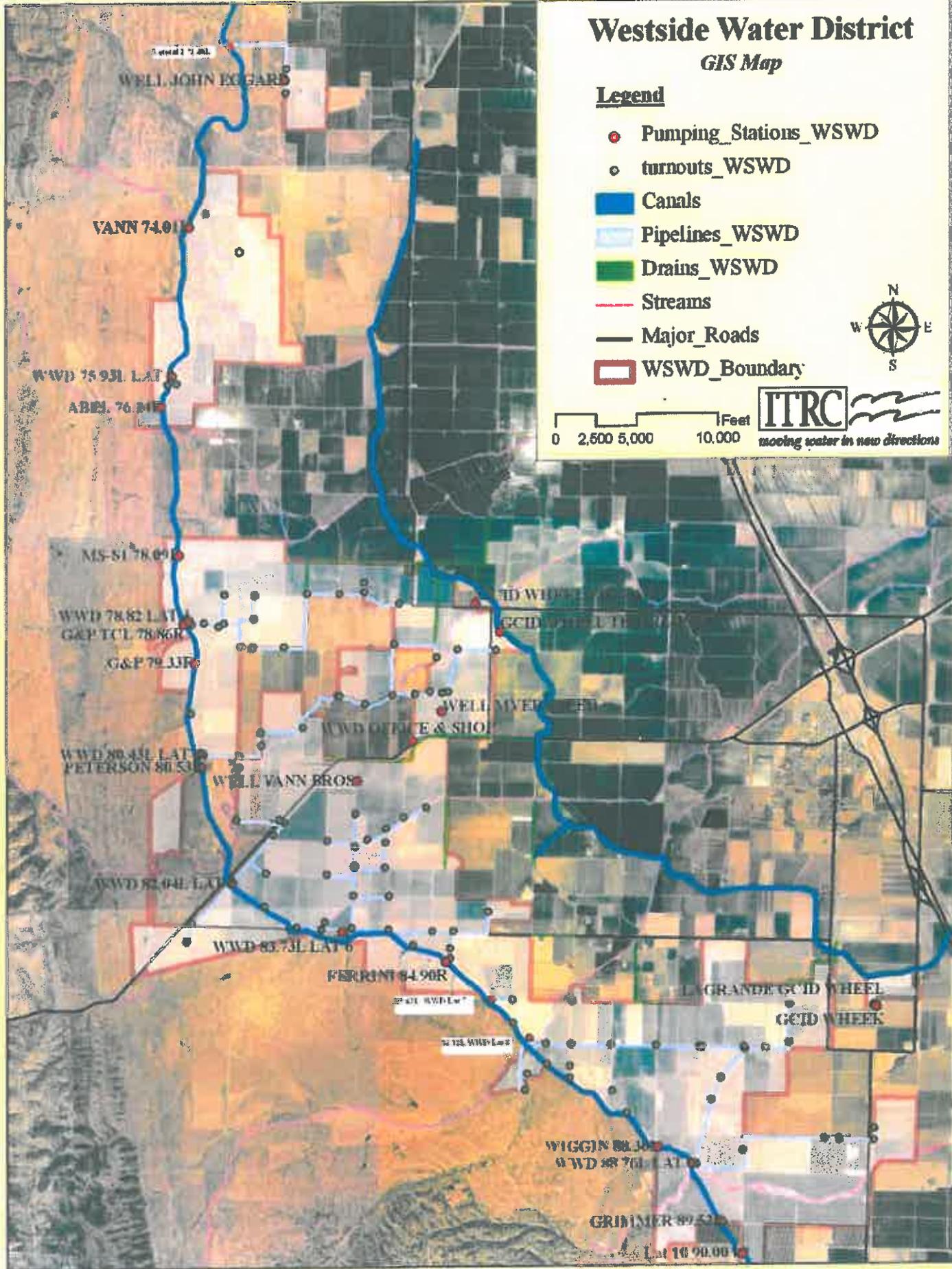
Westside Water District GIS Map

Legend

- Pumping_Stations_WSWD
- turnouts_WSWD
- █ Canals
- █ Pipelines_WSWD
- █ Drains_WSWD
- Streams
- Major_Roads
- WSWD_Boundary



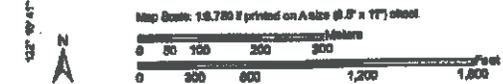
0 2,500 5,000 10,000 Feet



Attachment B

District Soils Map

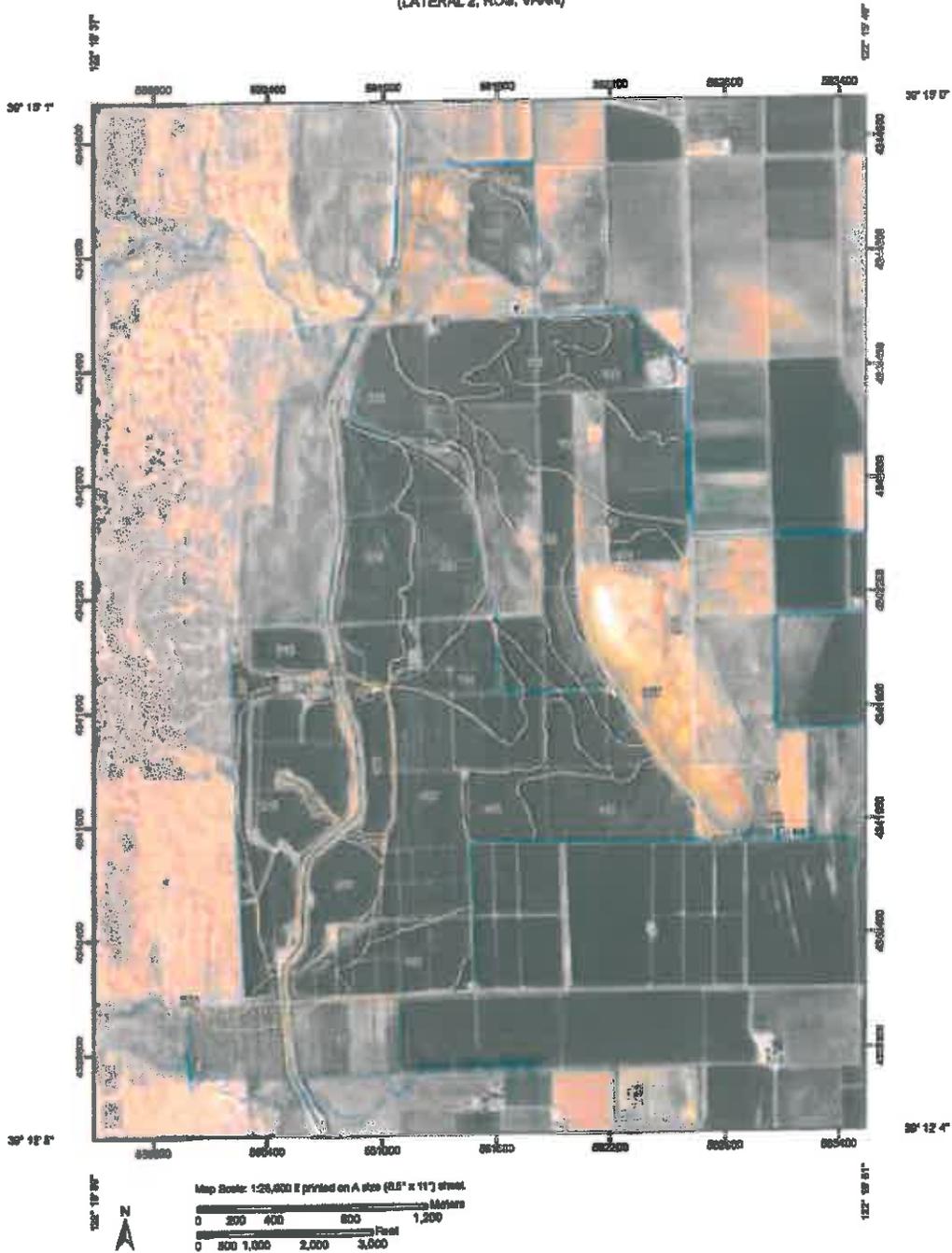
Soil Map—Colusa County, California
(laterAL 1)



Map Unit Legend

Colusa County, California (CA011)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
102	Capey clay loam, 0 to 1 percent slopes	7.2	2.3%
146	Hilgate loam, 0 to 2 percent slopes	311.3	97.7%
Totals for Area of Interest		318.5	100.0%

Soil Map—Colusa County, California
(LATERAL 2, ROS, VANN)



Map Unit Legend

Colusa County, California (CA911)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
102	Capay clay loam, 0 to 1 percent slopes	359.2	18.3%
112	Weston loam, 0 to 2 percent slopes	129.7	6.5%
120	Mollard loam, 0 to 1 percent slopes	85.9	4.4%
144	Hilgato clay loam, 0 to 2 percent slopes	100.8	5.1%
145	Hilgato loam, 0 to 2 percent slopes	121.7	6.2%
155	Alcapay clay, 0 to 1 percent slopes	184.4	9.5%
171	Vina loam, 0 to 2 percent slopes	38.2	2.0%
204	Capay clay, 0 to 3 percent slopes, occasionally flooded	27.3	1.4%
210	Corval loam, 0 to 3 percent slopes	57.7	2.9%
211	Corval clay loam, 0 to 3 percent slopes	91.0	4.6%
213	Ayar clay, 15 to 30 percent slopes	0.2	0.0%
215	Altamont-Sahorn complex, 15 to 30 percent slopes	309.4	15.8%
216	Altamont-Sahorn complex, 9 to 15 percent slopes	188.4	9.6%
220	Altamont silty clay, 5 to 9 percent slopes	182.5	9.3%
253	Milshohn-Altamont-Rock outcrop complex, 5 to 15 percent slopes	0.1	0.0%
257	Milshohn-Capay complex, 3 to 8 percent slopes	38.6	2.0%
652	Water	38.3	1.9%
Totals for Area of Interest		1,980.2	100.0%

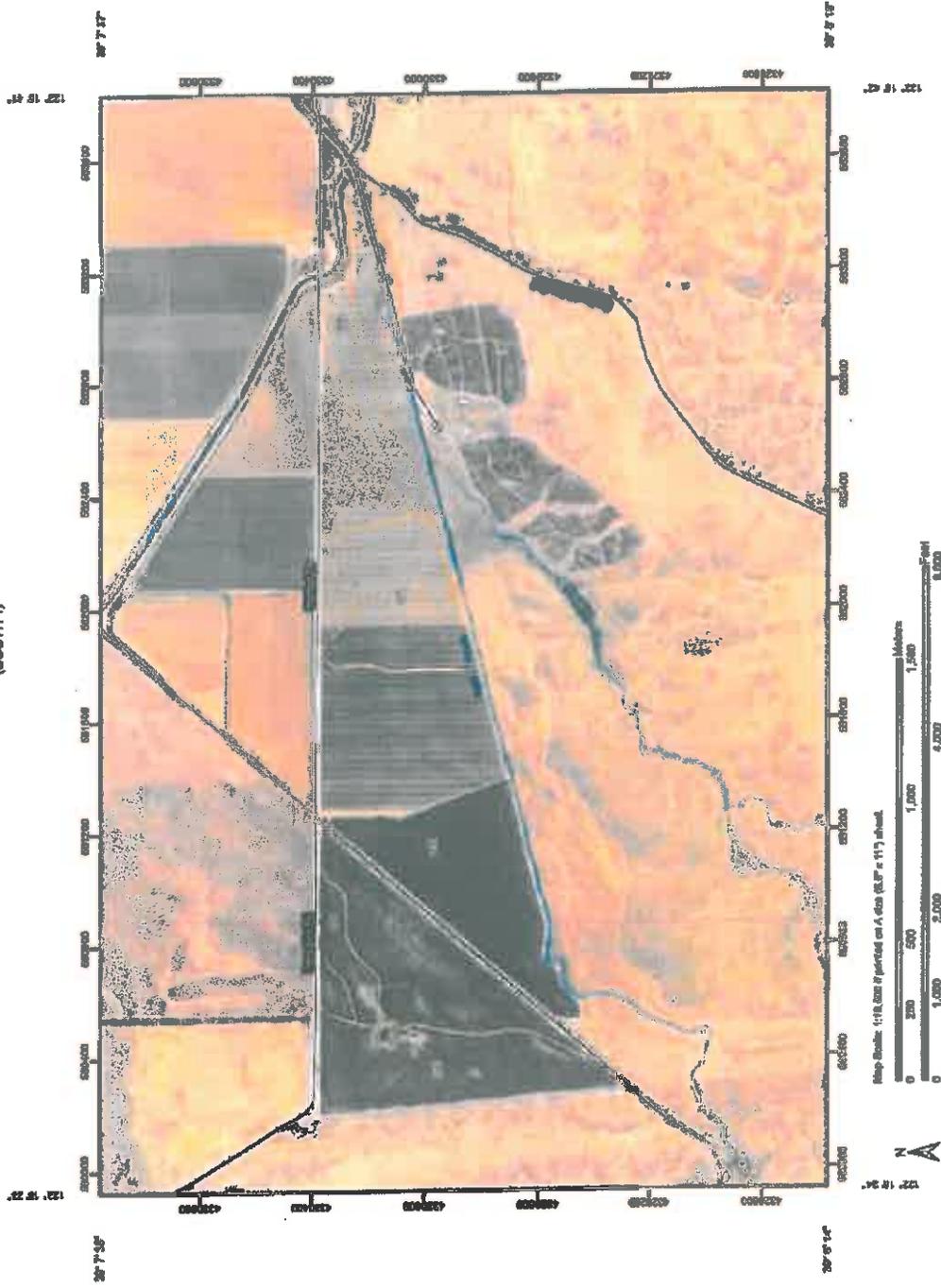
Soil Map—Colton County, California
(NORTH/SOUTH HALF)



Map Unit Legend

Colusa County, California (CA911)			
Map Unit Symbol	Map Unit Name	Area in ACI	Percent of ACI
102	Capey clay loam, 0 to 1 percent slopes	1,678.8	17.3%
112	Weston loam, 0 to 2 percent slopes	2,003.4	20.6%
127	Mellard clay loam, 0 to 1 percent slopes	1,881.1	19.2%
141	Myers clay, 0 to 2 percent slopes	1,015.7	10.4%
144	Hilgale clay loam, 0 to 2 percent slopes	1,686.8	17.0%
146	Hilgale loam, 0 to 2 percent slopes	222.2	2.3%
155	Alcapay clay, 0 to 1 percent slopes	288.3	2.7%
200	Clear Lake clay, 0 to 2 percent slopes, occasionally flooded	4.7	0.0%
204	Capey clay, 0 to 3 percent slopes, occasionally flooded	80.8	0.8%
210	Corval loam, 0 to 3 percent slopes	78.1	0.8%
215	Altamont-Sehom complex, 15 to 30 percent slopes	58.4	0.6%
218	Altamont-Sehom complex, 0 to 15 percent slopes	728.0	7.4%
220	Altamont silty clay, 5 to 8 percent slopes	29.3	0.3%
263	Millholm-Altamont-Rock outcrop complex, 5 to 15 percent slopes	104.6	1.1%
267	Millholm-Capey complex, 3 to 9 percent slopes	3.8	0.0%
652	Water	65.2	0.7%
Totals for Area of Interest		9,788.3	100.0%

Soil Map—Colusa County, California
(SOUTH)



Map Scale: 1:18,000 (printed on A size (8.5" x 11") sheet).

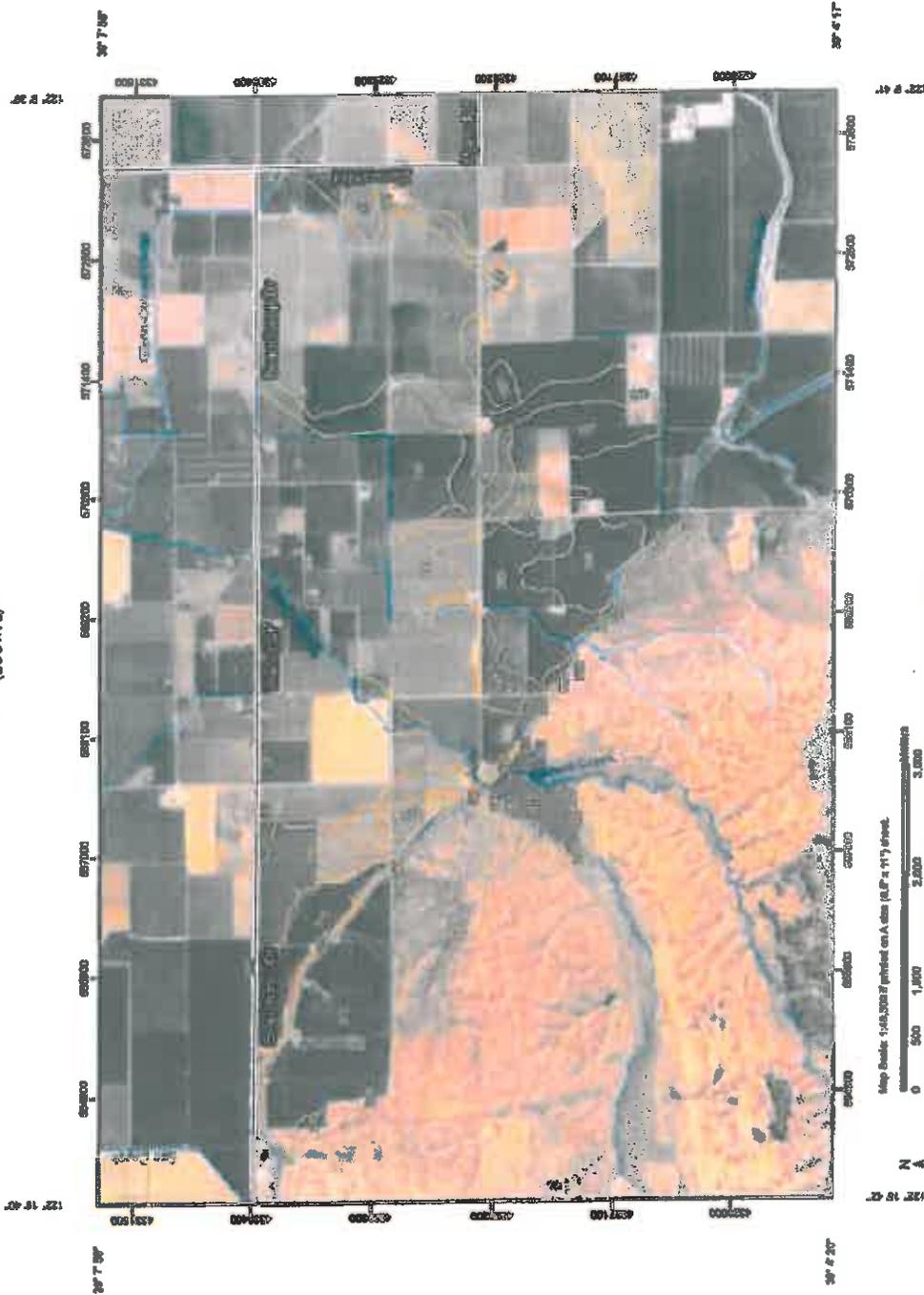


Web Soil Survey
National Cooperative Soil Survey

Map Unit Legend

Colusa County, California (CAMP1)			
Map Unit Symbol	Map Unit Name	Acres in ACI	Percent of ACI
102	Capeay clay loam, 0 to 1 percent slopes	48.1	8.8%
112	Westfan loam, 0 to 2 percent slopes	14.8	2.7%
144	Hilgatz clay loam, 0 to 2 percent slopes	55.0	10.1%
146	Hilgatz loam, 0 to 2 percent slopes	232.1	42.8%
200	Clear Lake clay, 0 to 2 percent slopes, occasionally flooded	50.9	9.3%
212	Ayar clay, 5 to 15 percent slopes	72.7	13.3%
253	Milichem-Altamont-Rock outcrop complex, 5 to 15 percent slopes	68.8	12.6%
852	Water	2.4	0.4%
Totals for Area of Interest		544.3	100.0%

Soil Map—Colusa County, California
(SOUTH 2)

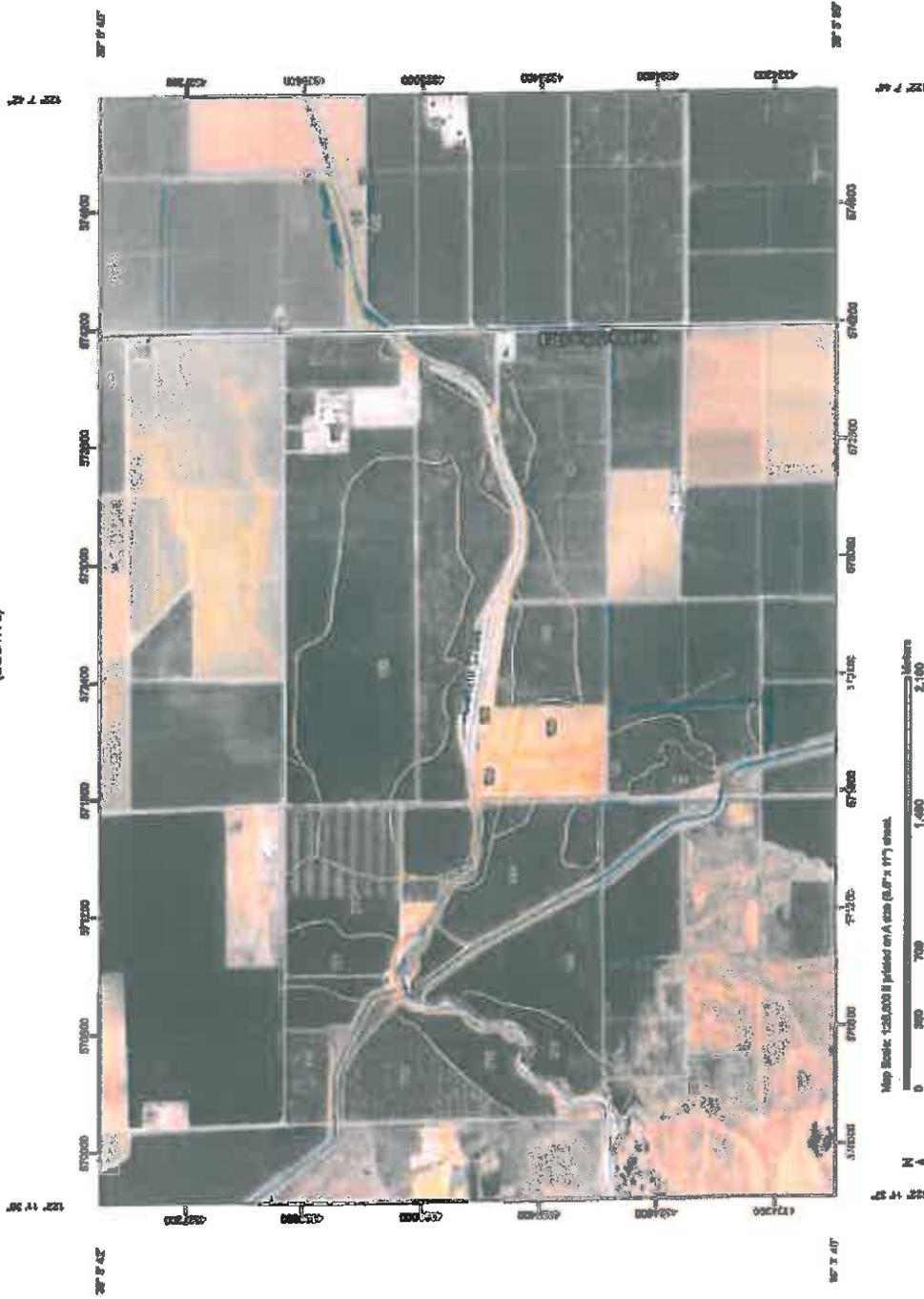


Web Soil Survey
National Cooperative Soil Survey

Map Unit Legend

Colusa County, California (CA011)			
Map Unit Symbol	Map Unit Name	Acres in ADI	Percent of ADI
902	Copay clay loam, 0 to 1 percent slopes	680.9	22.7%
112	Westfan loam, 0 to 2 percent slopes	131.7	3.1%
114	Westfan clay loam, 0 to 1 percent slopes	32.6	0.8%
127	Mallard clay loam, 0 to 1 percent slopes	238.8	5.9%
141	Myers clay, 0 to 2 percent slopes	732.2	17.3%
144	Hillgate clay loam, 0 to 2 percent slopes	841.2	12.8%
160	Arbuckle sandy loam, 1 to 5 percent slopes	615.4	12.2%
161	Arbuckle-Hillgate complex, 1 to 5 percent slopes	55.5	1.4%
200	Clear Lake clay, 0 to 2 percent slopes, occasionally flooded	0.7	0.0%
210	Corval loam, 0 to 3 percent slopes	322.0	7.6%
212	Ayar clay, 5 to 15 percent slopes	531.4	14.9%
213	Ayar clay, 15 to 30 percent slopes	8.0	0.2%
270	Balcon-Ayar complex, 15 to 30 percent slopes	3.5	0.1%
652	Water	46.9	1.1%
Totals for Area of Interest		4,223.9	100.0%

Soil Map—Colusa County, California
(SOUTH 3)



Map Scale: 1:25,000 (1 inch on map = 2500 feet on ground)
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 Feet



Web Soil Survey
National Cooperative Soil Survey

Map Unit Legend

Colusa County, California (CA011)			
Map Unit Symbol	Map Unit Name	Area in ACI	Percent of ACI
102	Capeay clay loam, 0 to 1 percent slopes	28.5	1.4%
112	Westlan loam, 0 to 2 percent slopes	508.7	24.2%
127	Mallard clay loam, 0 to 1 percent slopes	312.0	14.8%
144	Hilgate clay loam, 0 to 2 percent slopes	238.0	11.4%
180	Arbuskie sandy loam, 1 to 5 percent slopes	463.2	21.7%
185	Riverwash	113.2	5.4%
188	Westlan loam, clay substratum, 0 to 2 percent slopes	88.7	4.1%
189	Arand very gravelly sandy loam, 0 to 2 percent slopes	110.0	5.3%
210	Corval loam, 0 to 3 percent slopes	148.8	7.1%
230	Coming clay loam, 1 to 5 percent slopes	76.0	3.6%
652	Water	18.5	0.9%
Totals for Area of Interest		2,022.6	100.0%

Attachment C

District Rules and Regulations

WESTSIDE WATER DISTRICT
RULES AND REGULATIONS FOR
DELIVERY OF WATER

These Rules and Regulations are established pursuant to the provisions of Division 13 of the California Water Code for the Westside Water District, hereinafter called "District", by the Board of Directors of the District, hereinafter called "Board", for the delivery and use of water within the District, to enable the District to perform its functions most efficiently and to deliver water to Water Users at the least possible cost, and are the Rules and Regulations mentioned in those certain Water User Contracts between the District and various Landowners within the District. These Rules and Regulations apply to Contract Water Service in and outside of Improvement District No. 1, and previous Surplus Water Service.

1. DEFINITIONS

Additional Water means amount of water in excess of the Contract Amount of Water which may be available from time to time for delivery to a Water User at the Water User's request.

Additional Water Charge means the charge in dollars per acre-foot Water User shall pay for Additional Water ordered by a Water User.

Annexation Policy means the "Policy of the Westside Water District Concerning Annexation of Lands", adopted September 11, 1980, and any amendments thereto.

Board means the Board of Directors of Westside Water District, also acting for and on behalf of Improvement District No. 1.

Bureau means the United States Bureau of Reclamation.

Bureau Water Contract means the "Amendatory Contract Between the United States and Westside Water District Providing for Water Service" (Contract No. 14-06-200-8227, Amendatory), dated September 16, 1964, and amendments thereof.

Calendar Year means the period January 1 through December 31, both dates inclusive.

Contract Amount of Water means the amount of water which the District agrees to make available to a Water User, whose lands were in the District as of September 11, 1980, in each year subject to the provisions of the Water User Contracts in accordance with the provisions of Division 13 of the California Water Code.

Contract Water Service means the delivery, or the availability for delivery, of the Contract Amount of Water through a Water User's outlet at times and rates of delivery requested by the Water User, subject to the provisions of the Water User Contract. Only Water Users whose lands were in the District as of September 11, 1980 are entitled to receive Contract Water Service.

County Water Subcontract means "Subcontract Between the County of Colusa and the Westside Water District Providing for the Resale of Water Under Contract Between the United States of America and the County of Colusa", dated August 16, 1977, and any amendments thereto or extensions thereof.

District means the Westside Water District.

District Facilities means facilities which are owned, operated, and maintained by the District for the delivery or disposal of irrigation water.

Landowner Facilities means pipelines or other District approved distribution system facilities owned, operated and maintained by the Water User for the delivery or disposal of irrigation water.

Lateral Distribution System means pipelines and/or canals and related works which are constructed as Improvement District No. 1 Project Facilities and financed privately by the Water User upon whose lands such facilities are constructed, together with necessary rights-of-way therefore deeded to District by such Water User.

Loan Contract means a "Contract Between the United States of America and Westside Water District for and on Behalf of Improvement District No. 1 Providing for a Loan for Construction of Water Delivery Facilities for Improvement District No. 1", and any amendments thereto.

Policy for Water Service means the "Policy of the Westside Water District Concerning Water Service", adopted February 13, 1980, and any amendments thereto.

Project Facilities means the Improvement District No. 1 main conveyance system, lateral distribution system, surface drainage and subsurface drainage systems and related facilities, owned, operated and maintained by the District for the purpose of diversion, conveyance, control, measurement, pumping or delivery of water, and for the purpose of collection conveyance or disposal of drainage water for Improvement District No. 1, and the District office and shop complex and equipment.

Project Water means water obtained by, or available to, the District under the Water Service Contracts.

Rules and Regulations means these Rules and Regulations for Delivery of Water, adopted by the Board pursuant to Section 35423, et seq., of the Water Code, now in force and as amended or supplemented from time to time.

Service Charge means the charge in dollars per acre for the administration and operation expenses of the District, which must be paid each year regardless of whether water is delivered to Water User.

Special Water Availability Charge means the per acre charge equal to the Water Availability Charge for Water Users in Improvement District No. 1, less applicable Special Water Availability Credits, which must be paid each year by Water Users outside of Improvement District No. 1 receiving Contract Water Service regardless of whether water is delivered to them.

Special Water Availability Credit means the amount in dollars per acre which will be determined annually and credited to the Special Water Availability Charge where applicable in the manner provided for in the Water Policy and Water User Contracts.

Water Availability Charge means the charge in dollars per acre reflecting all costs of debt service on the capital costs of constructing Project Facilities, which must be paid each year by Water Users in Improvement District No. 1 regardless of whether water is delivered to them.

Water Availability Credit means the amount in dollars per acre which will be determined annually and credited to the Water Availability Charge or Special Water Availability Charge of Water Users who are responsible for the construction and financing of Lateral Distribution System facilities or Landowner Facilities, in the manner provided for in the Water User Contracts.

Water Charge means the charge in dollars per acre-foot, under conditions of Contract Water Service reflecting costs to the District for water from the Bureau, and reflecting the variable component of the District's operation and maintenance costs.

Water Service Area means the lands within the District for which, in any year, Water User Contracts executed by the District and by Water Users are then in effect. Each Water User's Water Service Area is described in Exhibit A of the Water User Contract.

Water Service Contracts means the Bureau Water Contract and the County Water Subcontract, and any amendments thereto or extensions thereof.

Water User means that person or entity owning land within the Water Service Area executing the Water User Contracts, or his successor in interest. As used in these Rules and Regulations, the term "Water User" does not refer to a lessee of a Water User.

Water User Contracts means the agreements for Contract Water Service or Surplus Water Service, as amended, and executed by the District and Landowners in the District.

Irrigation Year means the period from and including March 1 of each Calendar Year through the last day of February of the following Calendar Year.

2. AUTHORITY OF THE MANAGER AND EMPLOYEES

- a. Manager: District Facilities are under the exclusive management and control of the Manager, who is the person appointed by the Board to manage the affairs of the District pursuant to its direction. No person except the Manager or the Manager's designee shall operate any District Facilities.

- b. **District Employees:** The Manager shall supervise the activities of all District employees in connection with operation and maintenance of District Facilities and all other activities of the District. The authority of the employees of the District shall be designated by the Manager, and any controversy between a Water User and a District employee that cannot be settled directly shall be appealed to the Manager. In the event the Manager is unable to reach a satisfactory decision, an appeal may be made to the Board. The decision of the Board shall be final and conclusive.

- c. **Right of Access:** The District employees and personnel authorized by the Manager shall have reasonable access to lands and irrigation and drainage facilities within the District for the purpose of conducting District business, which may include, among other matters, the following:
 - 1. Inspection of the lands upon which water delivered from the District Facilities is being applied for the purpose of determining Water User's compliance with the terms of the Water User Contract.
 - 2. Inspection, maintenance, repair or modification of District Facilities.
 - 3. Determination of improper use and waste of water.
 - 4. Measurement of ground water levels.

Except in cases of emergency or where otherwise considered impracticable by the Manager, the Water User, lessee or person in possession shall first be contacted before entering the Water User's property other than upon District rights-of-way and easements.

3. WATER SERVICE

- a. **Water Service Area:** Contract Water Service will be provided only to those certain parcels of real property described in Exhibit "A" of the Water User Contracts which have been or shall be executed by the

District and Water Users and filed in the District office, which property comprises the Water Service Area of the District. A Water User's Contract Amount of Water shall not be used on lands outside of the Water User's Water Service Area without the District's prior written approval.

- b. Addition of Lands to Water Service Area: Lands within the District may be added to the Water Service Area pursuant to an application filed with the Board therefore by the owner or owners of such lands only if: (1) such addition is determined by the Board to be feasible and in the best interests of the District and in accordance with criteria established by the Board, and (2) the owner or owners of such lands execute a Water User Contract with the District for water service for such lands in the form established by the Board.

Water User shall commence Contract Water Service for the lands described in Exhibit A by the following Irrigation Year, which shall be March 1 through the last day of February of the following Calendar Year. On or before November 1 of the previous Irrigation Year, Water User shall provide notice to the District of one of the following options:

1. Water User desires to receive Contract Water Service to lands described in Exhibit A during the next Irrigation Year. Contract Water Service and the provisions for payment for such service provided in Section 6 of the Contract for Agricultural Water Service shall become effective on the first day of January of the next Calendar Year and for each year thereafter during the term of the Contract.
2. Water User desires to request an extension of time for one Irrigation Year for all or a portion of the land described in Exhibit A to receive Contract Water Service. The granting of an extension will be in the sole discretion of the Board of Directors of the District.

In the event that Water User fails to exercise one of the options set forth above, or a request for extension is denied, then the Contract shall be subject to termination on the last day of February of the current Irrigation Year. Consideration shall be given by the Board to the final annexation approval date and the Bureau's water supply announcement in determining the application of the deadlines specified herein.

- c. Exclusion of Lands from the Water Service Area: Lands may be excluded from the Water Service Area pursuant to an application filed with the Board therefore only if: (1) in its sole discretion, the Board determines that such exclusion will not be detrimental to the best interests of the District, and (2) the obligations of the Water User Contract, binding such lands are assumed by other lands within the District which are added to the Water Service Area as provided in Section 3 (b) above. Assumption of such obligations must be under terms and conditions which will result in no financial loss to the District.
- d. Additional Water Service: Additional Water Service means delivery, as requested by the Water User in accordance with Section 4 hereof, of a quantity of water, which may be available from time to time, in excess of the Water User's Contract Amount of Water.
- e. Temporary Water Service: Temporary Water Service means the delivery of water for agricultural use on an interruptible and non-dependable basis under conditions established by the Board. Such temporary service will be made available if the Board determines that it is in the best interest of the District, will be for a limited period of time and will only be made if it does not interfere with the obligations of the District under the Water User Contracts.
- f. Special Purpose Water Service: From time to time, the District may have available water in excess of the amount necessary to satisfy the

Annual Water Delivery Schedules which may be used to provide Temporary Water Service for special purposes unrelated to agriculture. Such Special Purpose Water Service shall be made available under terms and conditions established by the Board, subject to the approval of the Bureau.

4. DELIVERY, USE AND MEASUREMENT OF WATER

- a. **Projected Annual Water Delivery Schedule:** On or before November 10 of each year, or other date designated by the District, each Water User may be asked to file with the District, on forms furnished by the District, a Projected Annual Water Delivery Schedule indicating the quantity of water the Water User expects to request to be delivered to the area serviced from each Outlet for each month for the succeeding year. The Projected Annual Water Delivery Schedule may be used by the District in preparing its budget for the next year. There will be no penalty if the Annual Water Delivery Schedule is different from the Projected Annual Water Delivery Schedule.
- b. **Annual Water Delivery Schedule:** On or before February 10 of each year, or other date designated by the District, each Water User shall file with the District, on forms furnished by the District, an Annual Water Delivery indicating the quantity of water the Water User requests to be delivered to the area served from each Outlet for each month for the succeeding year. This schedule shall conform to the Water User's request for water deliveries as nearly as possible. The District's supply of water is limited in the month or months of maximum demand by the capacity of the Tehama-Colusa Canal available to the District under the provisions of the Water Service Contracts and by the capacity of District and Water User distribution facilities, and such limitations must be considered in meeting the Water User's request. The District does not guarantee that after February 10, or other date designated by the District, Water Users who have failed to file an

Annual Water Delivery Schedule by February 10 will be able to receive water service, or that, after February 10, Water Users will be able to order water in addition to the amount set forth in their Annual Water Delivery Schedules filed on or before that date. The balance of the District's water entitlement under its Water Service Contract, which is available after satisfying Annual Water Delivery Schedules filed on or before February 10 by Water Users receiving Contract Water Service, will be used to market. If a balance remains, requests for additional water filed after February 10 will be satisfied on a first-come-first-serve basis. Revisions to the annual schedule may be filed by the Water User at any time, subject to the availability of water and subject to the provisions of Section 5 of these Rules and Regulations. The District will make every reasonable effort to comply with any revised schedule, but will do so only if the Manager or his designee determines that it is practicable and feasible to do so.

- c. Daily Water User Orders: Rules for placing Daily Water User Orders will be adopted by the District and distributed to Water Users.
- d. Authorized Agent: Where the Water User consists of more than one individual, except husband and wife living at the same address, or when Water User is an entity, i.e., a corporation, partnership, etc., the Water User shall designate an agent for the purpose of performing any and all acts to be done by the Water User under the Water User Contract, and for receiving all notices from the District and billings for charges incurred by reason thereof. An authorization form for this purpose shall be prepared by the District. The Water User may also designate on the authorization form an agent(s) who shall be authorized on behalf of the Water User to file the Annual Water Delivery Schedule and/or place Daily Water User Orders, and make subsequent revisions thereto. Designation of such agent(s) shall constitute the consent of the Water User to the collection of all charges incurred by such agent(s) on Water User's behalf, and shall in

no way release Water User or Water User's lands from any obligation under the Water User Contract.

- e. Interruptions in Service: The District may temporarily discontinue or reduce the amount of water to be furnished to the Water User for the purpose of investigation, inspection, maintenance, repair or replacement, as may be reasonably necessary, of any District Facilities for the furnishing of water to the Water User, or of the facilities of the Bureau, but, so far as feasible, the District shall give the Water User due notice in advance of such temporary discontinuance or reduction, except in case of emergency, in which case no notice need be given. In case of emergency shutoff by the District, an effort shall be made to notify the Water User as soon as possible. In no event shall any liability accrue against the District or any of its officers, agents or employees, for any damage, direct or indirect, arising from such temporary discontinuance or reduction of water deliveries.
- f. Emergency Turnoffs by Water User: The Water User may, in an emergency, including but not limited to "Acts of God", turn off the supply of water at the Water User's turnout. If the Water User causes such emergency turnoff, he shall place a written notice to that effect under the meter cap and notify the District office immediately by telephone or in person. The Water User and anyone effecting such an emergency turnoff does thereby agree to assume the defense of and hold harmless the District and its officers, agents and employees from any and all loss, damage, liability, claims or causes of action of every nature whatsoever, for damage to or destruction of property, including the District's property, or for injury to or death of persons in any manner arising out of or incidental to such emergency turnoff.
- g. Use of Other Water Supplies: The Water User may use water furnished by the District concurrently with water from other sources,

provided that the Water User can demonstrate to the satisfaction of the Manager or his designee that Project Water is not being used on land other than that for which it is intended, as set forth in the Water User Contracts.

- h. Waste of Water: Water delivery may be discontinued by the Board to lands of any Water User found to be wasting water either willfully, carelessly, or on account of defective or inadequate ditches or pipelines or inadequately prepared land or improper management, and such water delivery will not be resumed until such conditions are corrected; provided, however, that the Water User shall in no way be relieved of any responsibility for payment of any charges or obligations by reason of such discontinuance of water service.
- i. Control of Drainage Water: Water delivery may be discontinued by the Board to lands of any Water User for the unauthorized drainage of water along a County road or for the failure to control the volume and velocity of water draining from Water User's lands so as to cause excessive erosion or excessive transportation of sediment from Water User's lands. The Board shall also have authority to require Water User, at the sole cost of Water User, to install one or more sediment settling basins on Water User's lands of sufficient volume to control the transportation of sediment from Water User's lands, to install drop structures in ditches with excessive slope, or to take any other appropriate action to correct such conditions, and such water delivery will not be resumed until such conditions are corrected. Water User shall be responsible for the quality of water discharged from Water User's lands and for complying with applicable water quality and non-pollution requirements. Water delivery may be discontinued by the Board to lands of any Water User found to be failing to comply with these water quality provisions and will not be resumed until there has been compliance. Water User shall in no way be relieved of any

responsibility for payment of any charges or obligations by reason of discontinuance of water service pursuant to this subsection.

- j. Outlets and Meters: Except as hereinafter provided for Temporary and Special Purpose deliveries of water, all deliveries will be made only through District approved or District owned and operated outlets.

Farm turnout meters will be routinely tested. The scheduling and method will be at the discretion of the District. Should the test of a specific meter reveal that metering is not within 10% of accuracy, the District will make an adjustment for the preceding water season usage to 10% of accuracy. Should a Water User suspect the inaccuracy of a District meter between scheduled testing intervals, the Water User may request testing. If the test indicates that the meter is within 10% of accuracy, the Water User will pay for the testing. Should the test show that metering is not within 10% of accuracy, the District will pay the cost of testing and the above stated adjustment will be made.

- k. Connections: Plans for the connection of the Water User's system to District owned and operated outlets shall be submitted in writing to the Manager or his designee for approval, and no such connection shall be permitted until such plans are determined to conform to the District's criteria for connections and approval in writing has been given. All connections to District owned and operated outlets shall be made in a manner so as to prevent damage from occurring to the District's system resulting from operation of the Water User's system and so as to prevent water from the Water User's system from entering the District's system. No modification of District owned and operated outlets shall be made by anyone other than the District.

1. Temporary and Special Purpose Water Service: Delivery of water for Temporary and Special Purpose Water Service shall be made in the manner decided by the Manager or his designee.

5. PAYMENTS FOR WATER SERVICE

a. Contract Water Service Charges:

- 1. Contract Water Service in Improvement District No. 1:** Under conditions of Contract Water Service, Water Users shall pay the Water Charge, Service Charge, and the Water Availability Charge as provided in the Water User Contract. On or before December 15 each year, the Water User will be notified of the amount of the Service Charge and Water Availability Charge and the per acre-foot amount of the Water Charge for the next year. The Water User shall be billed the amount of the Service Charge and Water Availability Charge before February 10, or a date designated by the District, of the year in which water deliveries are to be made. Payment of charges shall be made as follows, unless otherwise specified by the Board:
 - a.** The Water Charge shall be paid in two equal installments. The first installment shall be paid at the time the Annual Water Delivery Schedule is filed. The second installment is due and payable on the 10th day of June;
 - b.** The Service Charge and Water Availability Charge shall be paid in eight equal installments, such installments to be due and payable on the 10th day of the months of February through September.
- 2. Contract Water Service Outside Improvement District No. 1:** Under Conditions of Contract Water Service, Water Users outside Improvement District No. 1 shall pay the Water Charge, Service Charge, and the Special Water Availability Charge as provided in the Water User Contract. On or before December 15 each year, the District shall notify Water User of the amount of the Service Charge and Special Water Availability Charge

and the per acre-foot amount of the Water Charge for the next year. The Water User shall be billed the amount of the Service Charge and the Special Water Availability Charge before February 10, or a date designated by the District, of the year in which water deliveries are to be made. Payment of charges shall be as follows unless otherwise specified by the Board:

- a. The Water Charge shall be paid in two equal installments. The first installment shall be paid at the time the Annual Water Delivery Schedule is filed. The second installment shall be due and payable on the 10th day of June;
 - b. The Service Charge and Special Water Availability Charge shall be paid in eight equal installments, such installments to be due and payable on the 10th day of the months of February through September.
 - c. The Special Water Availability Charge shall be reduced by the amount of applicable credits, if any, provided for in the Water User Contract and established pursuant to the Water Policy.
- b. Water Ordered or Changes in Quantity of Water Ordered After February 10: Subject to availability of water and the provisions of Section 4, after February 10, Water Users may file an Annual Water Delivery Schedule or request an increase or decrease in the Amount of Water set forth in their Annual Water Delivery Schedules. However, there will be a surcharge for orders placed after February 10 in the incremental amount of \$0.50 per acre-foot per order, on the amount of water set forth in such initial Annual Water Delivery Schedule, and on the difference between the amount specified in a revised order and the previous order. For example, a Water User who files his or her first Annual Water Delivery Schedule on February 11 would have to pay an additional \$0.50 per acre-foot on the amount ordered. If, on

June 11, that Water User requests a change in the amount of water set forth in the Annual Water Delivery Schedule, he or she would have to pay an additional \$0.50 per acre-foot on the difference between the amounts in the new order and the previous order. The next request for a change in the amount of water by that Water User would result in an additional charge of \$1.50 per acre-foot on the difference. A Water User who has filed an Annual Water Delivery Schedule before February 10, but who thereafter requests a change in the amount of water set forth therein, would have to pay an additional \$0.50 per acre-foot on the amount of the difference. The next request for a change in the amount of water ordered by that Water User would result in an additional Water Charge of \$1.00 per acre-foot on the difference, and so on. The District may require advance payment for water ordered after February 10.

The \$0.50 per acre-foot surcharge shall not apply to Annual Water Delivery Schedules which were filed after February 10, 1986, because the Water User's Delivery Facilities or District Facilities were unavailable for water service to Water User's land as of that date, provided that, Water User files an Annual Water Delivery Schedule within 30 days after facilities are available for water service to Water User's land. The surcharge shall also be waived at the discretion of the District when Bureau water allocations occur subsequent to February 10.

- c. Water Charge Credits: Each year, following the first year of Contract Water Service for the Water User's lands or portions thereof, the District shall mail to the Water User a final accounting of the amount of Water Charge for the previous year based upon actual quantities of water delivered to the Water User for the previous year. Water User's failure or refusal to accept delivery of the amount of water which Water User orders in any year shall in no way relieve Water User of the payment obligations provided for herein; provided that the District

shall make reasonable efforts to obtain full or partial reduction in the charges of the United States and/or County with respect to any water made available to but not required by Water User, or otherwise dispose of such water, and, to the extent of Water User's obligation, any reductions of water charges or net revenue from disposal shall be credited to Water User, in the manner provided for in the Rules and Regulations; provided further that, in the sole discretion of the District, the District may also credit to Water User all or a portion of the Water Charge which represents the variable component of the District's operation and maintenance expenses for water ordered but not delivered to Water User.

- d. Additional Water Service: The Water User shall pay for Additional Water Service, which is the quantity of water requested by the Water User in excess of the Water User's Contract Amount of Water, in the same manner as set forth above for payment of the Water Charge.
- e. Temporary and Special Purpose Water Service: Payment for Temporary and Special Purpose Water Service shall be made at the rate or rates and under terms and conditions established by the Board for such services. Advance payment for such services shall be required.
- f. Delinquency in Payments: Any payment remaining unpaid for a period of 30 days after the date it becomes due and payable is delinquent and a penalty of 10 percent of that payment shall be charged plus interest at the rate of 18 percent per annum until all payments are brought up to date. No further water deliveries shall be made to the Water User until all delinquencies, plus penalties and interest, are paid. Deadlines for paying District charges will be extended one business day when the deadline falls on a weekend or Federal holiday. The District may commence proceedings to collect the delinquent charges, penalties, and interest in the manner provided

in Section 36951, et. seq., of the California Water Code. This may lead to a sale of the property affected by the Water User Contract and to continued refusal of Water Service, all as provided in the Water User Contract and these Rules and Regulations.

6. PROCEDURE FOR FIXING TOLLS AND CHARGES NOT ESTABLISHED BY CONTRACT

In accordance with the provisions of Division 13 of the California Water Code, the Board may, by resolution, establish tolls and charges, in addition to those tolls and charges established by the Water User Contract and by the Board from time to time for Temporary and Special Purpose Water Service.

7. EXCESS LANDS

Water Users whose lands are considered excess under the provisions of Reclamation Law, shall, as a condition precedent to the right to receive Project Water, comply with the applicable terms and conditions of the Water Service Contracts in regard to such Reclamation Law. Water Users in Improvement District No. 1 shall also comply with applicable terms and conditions of the Loan Contract in regard to such Reclamation Law.

8. WATER SHORTAGES

During any year when the District's water supply from the Tehama-Colusa Canal is less than the total of the Contract Amounts of Water for all Water Users, each Water User receiving Contract Water Service shall be allocated a share of the District's total supply in the ratio which the Water User's Contract Amount of Water bears to the total of Contract Amounts of Water of all Water Users.

9. CONTROL, USE AND RECAPTURE OF WATER

The District shall not be responsible for the control, carrying, handling, use, disposal or distribution of water delivered by the Water User hereunder outside the facilities then being operated and maintained by the District. The Water User shall indemnify and shall assume the defense of and hold harmless

the District and its officers, agents and employees from any and all loss, damage, liability, claims or causes of action of every nature whatsoever, for damage to or destruction of property, including the District's property, or for injury to or death of persons, in any manner arising out of or incidental to the control, carrying, handling, use or distribution of water outside such facilities.

Without obligating the District to assume any responsibility therefore, the District shall have the right to the use of all waste, seepage, and return flow resulting from Project Water which escapes or is discharged beyond the Water User's recovery facilities, if any, and nothing herein contained shall be construed as an abandonment or relinquishment by the District of the right to the recapture and the use of any such water; provided, however, that nothing herein contained shall limit or detract from the obligations assumed by the Water User.

Any use made of any resultant benefit to groundwater conditions arising from Project Water is made with the consent of the District, which consent is revocable at any time and such use is not to be considered a use adverse to the District's rights nor shall any such use under any circumstances create an estoppel in asserting such rights at any time.

The District may establish charges and conditions from time to time for the diversion of Project Water from District drainage facilities or other facilities for irrigation of lands in the District. No water shall be diverted from District drainage facilities for such purposes except in compliance with such conditions.

During the term of the Improvement District No. 1 Project Federal Loan, the District will maintain records of groundwater levels and if future conditions should indicate the need therefore, the District shall sell bonds, as authorized by the electorate in the election held on September 6, 1977, and shall construct facilities necessary for subsurface drainage of water or take other appropriate action to relieve conditions of high groundwater caused by the Project which may be adverse to agricultural production.

10. PRESERVATION OF PUMPING RIGHTS

The District desires that no Water User be prejudiced by utilizing Project Water in lieu of exercising whatever rights he may have to pump groundwater, and lose the anticipated benefit to the underground water supply within the District. In the interest of preserving to the Water User his rights to pump groundwater for use on his lands which will be served with water under Water User Contracts, it is agreed between District and Water User that during all years that the District delivers water to the Water User, to the extent that the Water User shall reduce his pumping of groundwater and shall make use of water so delivered to him by the District, the Water User's use of water so delivered to him by the District shall be deemed the same as if he had pumped from the underground a quantity of water equal to the quantity of water so delivered to him by the District. The Water User also agrees to recognize and be bound by the pumping right similarly preserved to other Water Users in the District pursuant to Water User Contracts heretofore and hereafter executed.

11. PROTECTION OF DISTRICT FACILITIES

Without limiting rights otherwise reserved, and except for drains and waterways which may be built by the District expressly for the conveyance of the Water User's drainage water, no persons shall be allowed to drain irrigation water upon District owned property, and any person doing so shall be subject to fine and damages, shall be in violation of these Rules and Regulations, and water service may be terminated.

It is the duty of the Water User to furnish reasonable protection for District owned outlets to prevent damage to the outlet. In the event that damage occurs to an outlet as a result of failure of the Water User to provide such protection, the repair of such damage shall be made by the District, the expense of such repair shall be charged to the Water User, and no water shall be furnished through the affected turnout until such repairs are made and the charges therefore paid to the District.

12. ENCROACHMENT ON DISTRICT PROPERTY

Without limiting rights otherwise reserved, consent for encroachment shall be required from the District before any ditches, drains, fences, pipelines or other encroachments shall be permitted to be constructed on District property or within District easements. Consent forms shall be furnished by the District to the applicant and consent must first be obtained from the Manager or his designee before any construction begins. The work shall be the sole expense of the permittee and maintained to the satisfaction of the District. If such consent is granted, the permittee shall be solely responsible for, shall indemnify, and shall assume the defense of and hold harmless the District and its officers, agents and employees from any and all loss, damage, liability, claims or causes of action of every nature whatsoever, for damage to or destruction of property, including the District's property, or for injury to or death of persons in any manner arising out of permittee's exercise of the rights and privileges given in the granting of such consent. Issuance of consent does in no way grant a permanent right but shall be a revocable license only, unless otherwise specified, and on demand of the District such works shall be removed and District's property restored in its original state at the sole expense of the permittee. Granting of such consent does not surrender or subordinate the District's control or supervision over the encroachment. Any person who uses the property of the District for the movement of equipment shall be responsible to the District for any damage to District property. Any person using a District right of way for any purpose assumes all risks associated therewith and assumes the responsibility for any damage to District property resulting therefrom and also for any damage to private property caused by such damage to District property.

13. MODIFICATION OF DISTRICT FACILITIES

No changes shall be made in District Facilities except by District personnel or its contractors and in accordance with the District's specifications. If modification is made at the request of a Water User, and for his benefit, the cost thereof shall be paid in advance by the Water User requesting such modification.

The advance payment shall be determined by the Manager based upon an estimate of the costs, including but not limited to reasonable charges for engineering work. A final accounting shall be submitted to the Water User. Within thirty (30) days after submission of such final accounting, the Water User will pay the difference between the actual cost and the estimate thereof or the District shall make a refund if the actual cost is less than the advance payment. Any additions to District Facilities so constructed become the property of the District.

14. SALE OR TRANSFER OF TITLE TO LANDS

When land affected by a Water User Contract is sold or title otherwise transferred to another party, the District shall be under no obligation to deliver water to such lands until the Water User Contract is assigned to and assumed by the new Landowner. Such assignments and assumption agreements shall be on forms provided by the District, executed and completed in a manner satisfactory to the District.

Notwithstanding any transfer or change of ownership, the District shall be entitled to administer the Water User Contract in accordance with matters in the files at the District office, including but not limited to Water Delivery Schedules and Water Use Schedules and revisions thereto, appointments of agents, authorization forms and billing of tolls and charges until or unless the District has received actual notice in writing that any or all of such matters are revoked.

15. DELIVERY FACILITY REQUIREMENTS FOR PARCELS UNDER DIFFERENT OWNERSHIP BUT SERVED BY ONE FARM SERVICE OUTLET

When the sale or transfer of title to land, under an existing Water Service Contract, results in two or more parcels of property with different ownerships with only one existing Farm Service Outlet, the District shall require that the Water User provide, at Water User's expense, a Farm Service Outlet to the parcel or parcel without a Farm Service Outlet. The delivery facility shall be designed to

provide water service to parcels of Water Users as set forth in the District's Criteria for Design of Irrigation Distribution System Facilities for Improvement District No. 1, under Section 1; Water Service – Main Conveyance Facilities.

Water User must submit a plan of the proposed Distribution System Facility to the District for approval prior to construction. Existing facilities or facilities to be constructed by Water User must include an isolation valve, a control valve and a meter, which shall be paid for by Water User. The type of valves and meter shall be a type designated by the District and approved by the District prior to installation. The ownership of the valves and meter shall be transferred to the District before Water Service commences. The District thereafter assumes responsibility for operation and maintenance of the valves and meter. Water User shall maintain all other facilities and provide, at no cost to the District, vehicle access to the valves and meter for use by authorized District personnel.

16. MISCELLANEOUS PROVISIONS REGARDING ASSIGNMENTS AND TRANSFERS

The execution by the District of any assignment and/or the giving of its consent to transfer of the rights of a Water User under a Water User Contract shall be without any warranty of title on the part of the District and shall not be interpreted as any representation, express or implied, by or on behalf of the District, that such assignment or transfer is free and clear of outstanding encumbrances.

17. SECTION 592 OF THE PENAL CODE OF THE STATE OF CALIFORNIA

Attention is directed to the provisions of Section 592 of the California Penal Code, which state:

Every person who shall, without authority of the owner or managing agent, and with intent to defraud, take water from any canal ditch, flume or reservoir used for the purpose of holding or conveying water for manufacturing, agricultural, mining, irrigating or generation of power, or domestic uses, or who

shall without like authority raise, lower or otherwise disturb any gate or other apparatus thereof, used for the control or measurement of water, or who shall empty or place, or cause to be emptied or placed, into any such canal, ditch, flume or reservoir, any rubbish, filth or obstruction to the free flow of water, is guilty of a misdemeanor.

18. CONTRACT AMENDMENTS

Land that was in Westside before September 11, 1980, has had an entitlement to 5.4 acre-feet per acre of water. That represented the number of irrigable acres in Westside, at the time, divided into Westside's 65,000 acre-foot entitlement under its Water Service Contracts with the United States. Land annexed to the District after September 11, 1980, has had an entitlement to Surplus Water only.

During 1991, the Board of Directors of Westside unanimously approved an amendment to the Water User Contracts between Landowners and Improvement District No. 1 of Westside. The amendment states that water will be distributed on a pro rata basis to all land within Westside, without regard to the date land was annexed to Westside, in accordance with the provisions of the California Water Code.

All Landowners within Improvement District No. 1 of Westside have approved and executed an amendment to their Water Contract with Westside. In the future, those lands will receive a pro rata entitlement to Westside's available water supply, in accordance with the terms of the amendment. Contracts for Surplus Water Service will be amended to state that those Landowners are also entitled to receive a pro rata share of Westside's water supply to the extent that they can put water to beneficial use on the land described in Exhibit A to their Water Contract.

Land that was in the District as of September 11, 1980, but had not executed a Water Contract with Westside before 1992, will be offered a Water Contract providing a pro rata entitlement to Westside's water supply, to the

extent that they can put water to beneficial use on the land described in Exhibit A to their Water Contract, provided that, Westside may set a deadline for entering into such Contracts. Westside's Water Supply Contracts expire before the irrigation season 1995. The amount of water that will be available to Westside under a renewal Contract and the schedule for obtaining such a renewal are unknown at this time.

19. AUTHORITY OF CONTRACTS

These Rules and Regulations are in implementation of the Water User Contract and any amendments hereto; and in the case of inconsistency between the Water User Contract and the Rules and Regulations, the Water User Contract shall govern.

20. ENFORCEMENT OF RULES AND REGULATIONS

The Manager shall be responsible for the enforcement of the Rules and Regulations. Failure of a Water User to comply with any of the Rules and Regulations shall be sufficient cause for the termination of water service, and water service shall not again be furnished to such Water User until full compliance has been made with all the requirements as herein set forth; provided, however, that the Water User shall in no way be relieved of any responsibility for payment of any charges or obligation by reason of such termination of water service. In no event shall any liability accrue against the District or any of its officers, agents or employees, for damage, direct or indirect, arising from such terminations of water service.

21. ADMINISTRATION OF RULES AND REGULATIONS: NOTICE, HEARING AND APPEAL

At least ten days before termination of water service is to be effected, Water User shall be provided written notice of such termination and advised of the opportunity and procedure to discuss the reason for termination of service with the Manager, or other employee designated by the Manager who shall be

empowered to review disputed bills, rectify errors, and settle controversies pertaining to termination of service.

In the event that Water User disagrees with the decision of the Manager or his designee in administering the Rules and Regulations, he shall then have the right of appeal to the Board which must be made within five days after written notice of such decision. Appeals must be submitted in writing and shall specifically set forth the decision being appealed and the reasons for the appeal. Appeals shall be considered at the next regular meeting of the Board, but the Board may, in its discretion, consider an appeal at an earlier meeting.

Termination of water service shall be stayed until the time for filing an appeal with the Board has expired. In the event that such an appeal is filed with the Board, termination of water service shall be stayed until the Board has ruled on the appeal.

22. CHANGES IN RULES AND REGULATIONS

The Rules and Regulations shall become effective immediately and may be added to, amended or repealed at any time by resolution of the Board.

23. SEVERABILITY OF PROVISIONS

If any provision of the Rules and Regulations, or the application thereof to any person or circumstances, is held invalid, the remainder of the Rules and Regulations and the application thereof to other persons or circumstances shall not be affected thereby.

Adopted by the Board of Directors of Westside Water District on February 15, 1978.

Section 21 amended on September 14, 1978.

Section 10 amended on April 10, 1980.

Section 3 amended on September 11, 1980.

Revised on March 19, 1981.

Revised on October 8, 1981.

Section 3 amended on November 12, 1981.

Section 5c amended on February 13, 1986.

Section 5g amended on February 2, 1988.

Section 4j amended on July 9, 1992.

Added new policy – Section 17 – July 9, 1992. (Contract Amend)

Added new policy – Section 15 – July 8, 1993. (Delivery Facility)

Revised wording pertaining to Surplus Water Service and added Landowner Facilities Definition – July 8, 1993.

Revised wording pertaining to Addition of Lands to Water Service Area – March 23, 1995.

Revised wording pertaining to Addition of Lands to Water Service Area – December 11, 1997.

Section 5f amended on November 9, 2006.

Attachment D

District Sample Bills

Westside Water District

5005 State Highway 20
 Williams, CA 95987
 (530) 473-2876

INVOICE

DATE	INVOICE #
7/9/10	107512

PAID
 08/12/10

BILL TO
Farms
Williams, CA 95987

Delinquent Date	DUE DATE
8/10/2010	7/9/10

ITEM	QUANTITY	DESCRIPTION	RATE	AMOUNT
2nd 2010 Wa...	1,062	2 of 2 installments - L & M Farms	12.86	13,657.32
2nd 2010 Wa...	206	2 of 2 installments - Wells, Mary	12.86	2,649.16

A penalty of 10% will be charged on delinquent amounts not received in the office or postmarked by 11/10/2011. A 1.5% finance charge will be added thereafter. Please include invoice number on check. Thank you.

Balance Due	\$16,306.48
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Westside Water District

5005 State Highway 20
 Williams, CA 95987
 (530) 473-2876

INVOICE

DATE	INVOICE #
6/23/10	106022



BILL TO
Farms
Williams, CA 95987

Delinquent Date	DUE DATE
7/10/2010	6/23/10

ITEM	QUANTITY	DESCRIPTION	RATE	AMOUNT
Water Avail	389	Water Availability Charge \$2.16 /AC	0.27	105.03
Water Rights	389	Water Rights User Fee \$1.25 A/C	0.16	62.24
Service Chg	389	Water Service Charge \$16.82/AC	2.10	816.90
Service Chg	75.4	Water Service Charge \$16.82/AC Wells, Mary	2.10	158.34

A penalty of 10% will be charged on delinquent amounts not received in the office or postmarked by 11/10/2011. A 1.5% finance charge will be added thereafter. Please include invoice number on check. Thank you.

Balance Due	\$1,142.51
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Attachment E

District Water Shortage Plan

**WESTSIDE WATER DISTRICT
2008 WATER SHORTAGE POLICY**

Due to the Bureau of Reclamation's declaration of a water shortage in the Central Valley Project and imposition of a 55% water deficiency on the CVP contractors, Westside Water District will be limited to 23,625 acre-feet of the District's 65,000 acre-foot contractual entitlement (including Colusa County WD transfer returns). This supply will not satisfy District water users' needs. Therefore, the District must be prepared to allocate its available supply and encourage any reasonable measure which will help our water users obtain an adequate water supply this irrigation season. Westside Water District will operate during the 2008 irrigation season according to the water shortage policy as follows:

1. In accordance with the California Water Code, water user contracts and the District's rules and regulations, the District's available 2008 CVP water supply will be allocated at the rate of 1.58 acre-feet for each acre of the 14,858.51 acres of land, eligible to receive water, in the District under "Exhibit A" of the amended contracts for "Agricultural Water Service" and "Surplus Water Service" as of November 9, 1992.

2. Water users must use District water on the land described in "Exhibit A" of their water contracts, unless a written request is received from the landowner and the District consents, in writing, to the water transfer. Due to the hardships imposed by limited water supplies, it is the intent of the Board to assist District water users in effectively meeting their most urgent water demands within the T-C service area.

3. Each landowner will have the responsibility to see that their water usage does not exceed their 2008 water allocation. Water usage information will be available for meeting this obligation. Penalty for overdraft of water user's 2008 allocation is set at \$500 per acre-foot of water over drafted.

4. Water conservation is encouraged, and the District will not allow any water user to waste water.

5. District facilities may be used to wheel water consistent with District policies. The District will consider any other reasonable measure which will help water users obtain an adequate water supply this irrigation season.

6. This policy is subject to revision by the Board of Directors of the Westside Water District. Determinations of the Manager and Board shall be final.

Adopted: Regular Meeting of April 10, 2008

Attachment F

District Agricultural Water Order Form

**WESTSIDE WATER DISTRICT
WATER ORDER FORM
2010**

PROJECTED 100% SUPPLY 2.73 AF/AC

LANDOWNER: Example Landowner
PO Box
Williams, CA 95987

<u>Turnout</u>	<u>Tenant</u>	<u>Crop</u>	<u>FSA Acres</u>	<u>Acres</u>	<u>A/F</u>	<u>I/M</u>
_____	_____	_____	90.6	_____	_____	_____
_____	_____	_____		_____	_____	_____
_____	_____	_____		_____	_____	_____
_____	_____	_____		_____	_____	_____
TOTALS			90.6		247	

ORDER MAY NOT EXCEED ALLOCATION

IRRIGATION METHODS (I/M)
 SP - Sprinkle FL - Flood SP/F - Sprinkle/Furrow DP - Drip/Mist

**Attach this Water Order Form to the Annual Billing Designation Form.
 If you have more than one tenant, complete a Billing Designation Form for each tenant.**

**WESTSIDE WATER DISTRICT
2010 BILLING DESIGNATION FORM**

Landowner: _____
 Address: _____
 Phone: _____
 Email: _____

Tenant: _____
 Address: _____
 Phone: _____
 Email: _____

The 2010 irrigation season is from March 1, 2010 to February 28, 2011. Invoices for February, March and April per-acre charges will be mailed in April and by the 10th of each month thereafter, and are delinquent on the 10th of the following month.

USE ONE FORM FOR EACH TENANT
ALL APPLICATION FORMS DUE PRIOR TO DELIVERY OF WATER OR NO LATER THAN MARCH 31, 2010

Please check the appropriate box to provide your billing information. Use (FSA) acreage from your Water Order Form.

WATER AVAILABILITY

CHARGE \$2.16/AC

LANDOWNER

Total
 Portion

TENANT

Total
 Portion

AC _____

AC _____

SERVICE CHARGE \$16.82/AC

Total
 Portion

Total
 Portion

AC _____

AC _____

WATER RIGHTS USER FEE

CHARGE \$1.25/AC

Total
 Portion

Total
 Portion

AC _____

AC _____

(BILLED IN 8 EQUAL INSTALLMENTS)

WATER CHARGE

\$ 15.31 USBR Rate
 10.20 TCCA Conveyance Assessment
 1.10 District
 (1.09) Less CCWD Transfer Fee
 .20 Trinity PUD Assessment

Total
 Portion

Total
 Portion

AF _____

AF _____

\$25.72/AF TOTAL

(PAYMENT FOR 1/2 OF WATER ORDER DUE WITH APPLICATION)

Landowner's Signature:

Tenant's Signature:

Water orders must be returned to the District office prior to delivery of water, but no later than **March 31, 2010**. Please return the Water Order Acreage Designation form and Authorization Form with this order. **RRA FORMS MUST BE SUBMITTED** by April 10, 2010 or prior to first delivery. They are available at the District office or at www.usbr.gov/rra. **THANK YOU!**

WESTSIDE WATER DISTRICT

2010 AUTHORIZATION FORM

I, _____, hereby accept full
(Landowner)

responsibility for water orders that are submitted to Westside Water District in person, by telephone, fax or email from me or the undersigned designee(s). I further agree that the record of such water orders on file in the District office shall be conclusive evidence that the orders were placed by me, my tenant(s) or the designee(s) set forth below.

_____ Phone # _____
Tenant

Email address _____

_____ Phone # _____
Tenant

Email address _____

_____ Phone # _____
Designee

Email address _____

_____ Phone # _____
Designee

Email address _____

_____ Phone # _____
Designee

Email address _____

The above tenant(s) and/or designee(s) is (are) hereby authorized to submit water orders on my behalf.

Signature of Landowner

Date

Attachment G

District Policy on Water Transfers

**WESTSIDE WATER DISTRICT
WATER TRANSFER POLICY - 2007**

This is the policy of Westside Water District concerning transfer of water entitlement under its Central Valley Project (CVP) water service contracts and use of District facilities to convey non-Project water. This policy implements the transfer provisions of Title 34 of P.L. 102-575 ("Central Valley Project Improvement Act").

I. TRANSFERS AUTHORIZED UNDER EXISTING CONTRACTS:

A. LANDOWNER INITIATED TRANSFERS WITHIN THE DISTRICT:

A landowner's Project water entitlement may be transferred for use on any land within the District, provided that:

1. the landowner has entered into a water service contract with the District and otherwise is in compliance with District regulations,
2. prior written notice on the approved form has been provided to the District Manager, and the Manager has approved, in writing, the provisions for delivering the Project water,
3. all necessary agreements between the affected landowners and the District have been fully executed and delivered to the Manager, and
4. the landowner has reimbursed all District costs in processing the request.

B. TRANSFERS CARRIED OUT BY THE DISTRICT WITHIN THE TEHAMA-COLUSA CANAL AUTHORITY SERVICE AREA:

It is the intent of the District to cooperate with landowners within the District who request the District to transfer all of or a portion of their Project water entitlement as a District transfer within the Tehama-Colusa Canal Authority (TCCA) service area. The District will evaluate such requests on a case-by-case basis, subject to all Reclamation guidelines and

regulations, and the District's Rules and Regulations and policies in effect. A landowner's Project water entitlement may be transferred for use on land within the TCCA service area provided that:

1. the landowner has entered into a water service contract with the District and otherwise is in compliance with District regulations,
2. the transferor, if a tenant, has written approval of the landowner whose Project water entitlement is to be transferred,
3. the transferor and the transferee are the same person or entity,
4. prior written notice on the approved form has been provided to the District Manager, and the Manager has approved, in writing, the provisions and costs for delivering the Project Water,
5. all necessary agreements between the affected landowners and the Districts have been fully executed and delivered to the Manager, and,
6. the landowner has reimbursed all District costs in processing the request.

II. TRANSFERS AUTHORIZED UNDER P.L. 102-575, TITLE 34:

A. LANDOWNERS INITIATED TRANSFERS OUTSIDE OF THE DISTRICT:

1. Compliance with Laws and Regulations: All transfers shall be carried out in full compliance with State law, Federal reclamation law, all interim guidelines and regulations implementing reclamation law, and District regulations. Such provisions shall prevail over any inconsistent provision of this policy.

2. Who May Transfer: Only a District landowner who has entered into a water service agreement with the District and is otherwise in compliance with District regulations may transfer water.

3. Quantity That May Be Transferred: Transfers will be limited to the lesser of:

(a) the average amount of Project water actually delivered to the landowner during the prior three years of normal water delivery before October 30, 1992; or

(b) a reduced allocation resulting from reductions imposed upon the District by the Bureau of Reclamation in the year of the proposed transfer; and

(c) the amount of Project water that would have been consumptively used by the landowner or irretrievably lost to beneficial use during the year or years of the transfer.

Project water “consumptively used” shall mean that portion of the water delivered to the landowner that would have been evapotranspired by the crops, and does not include transportation losses, return flows, or deep percolation to usable groundwater basins. Consumptive use values developed by the University of California for the applicable region and crop.

4. Application Procedure: The landowner shall prepare a transfer application and all other documents and information as required by the Secretary of the Department of Interior. A copy of Reclamation’s interim guidelines for water transfers is attached. The landowner shall provide the District a copy of the application and all supporting correspondence and documents.

5. Conditions To Protect Others: The District shall review the application to determine whether it will have an unreasonable impact on the water supply, operations or financial conditions of the District or its other water users, and determine what conditions the transfer shall be subject to, to avoid such impacts.

6. Limitation On Amount of Water Transferred: Reclamation law states that transfers involving more than 20% of the District’s Project water supply shall be subject to review and approval by the District. The District will consider transfers in the order in which they are

applied for in determining whether a particular transfer will exceed the 20% cumulative limitation.

7. Public Notice Requirement: In accordance with reclamation law, the District is required to provide public notice in connection with its review of water transfers that involve transfer of more than 20% of the District's Project water supply. The District shall publish notice of such a proposed transfer one time in a newspaper of general circulation no less than 60 days before a public hearing to consider the transfer. At that time, members of the public will have an opportunity to comment orally and in writing on the transfer proposal.

8. Compliance With CEQA: At the time of filing a transfer application, the landowner shall notify the District whether it requests the District to be the lead agency for purposes of compliance with the California Environmental Quality Act in connection with the transfer proposal.

9. Reimbursement of District Costs: The landowner making application to transfer water shall be responsible for all costs associated with processing the transfer application, including reimbursement of the District's actual cost, including consultant fees, in reviewing and processing the transfer application. The District shall estimate the amount of such costs and shall require the landowner to deposit with the District an amount sufficient to reimburse the District's estimated cost (as revised from time to time by the District) in advance of the District considering the transfer proposal.

10. Long Term Transfers: The District reserves the right to review annually a long term transfer to ensure that the transfer is being carried out in accordance with this policy, to confirm the amount of water available for transfer under the proposal and to re-evaluate any conditions

imposed by the District on the transfer to avoid unreasonable impacts on the water supply, operations and financial condition of the District and its water users.

B. TRANSFERS CARRIED OUT BY THE DISTRICT: Reclamation law authorizes a transfer between the District and CVP contracts within counties, watersheds or other areas of origin, as those terms are used under California law. Such transfers carried out by the District are not limited to (a) the three prior year average quantity of water actually delivered by the District, or (b) the amount of water that would have been consumptively used or irretrievably lost in the absence of the transfer. The District will cooperate with landowners within the District who request the District to transfer their Project water entitlement as a District transfer under these provisions, instead of as a landowner transfer under article II, A, of the policy, to better maximize the amount of water available for transfer by the landowner. The District will evaluate such requests on a case-by-case basis. Generally, the District will require that it receive up to ____ % of the revenue received from such a transfer, or a fee representing 50% of the value of the transferred water, in addition to being reimbursed for all of its costs in connection with processing the transfer proposal.

III. USE OF DISTRICT ENTITLEMENT BALANCE

Depending on the District's annual water supply allocation and projected water use within the District, the District may, from time-to-time, have a balance of its water entitlement remaining that could be made available to District landowners after satisfying annual water delivery requirements. On or before September 1 of a current water year (a water year is the first day of March thru the last day of February), the District will determine if a water balance exists and the estimated quantity of the balance. If, in the determination of the District, a water balance exists, that balance, or portion thereof, will be made available to District landowners for use

within or outside the District prior to marketing the balance supply outside of the District. Requests for balance supply will be satisfied on a first-come-first-serve basis. The determined balance supply amount will be offered until such time the balance is exhausted. Balance supply requests with intended use within the District will have priority over those requests that intend to transfer water outside the District. Landowners seeking to transfer water outside of the District, but within the TCCA service area, may do so with the approval and facilitation of the District receiving the water. Balance supply transfers to another District shall be used on lands for which the WWD requestor is a landowner or tenant in the District. Transfers to Districts outside of WWD will be granted only after the water users entitlement in that District has been exhausted. All costs associated with the transfer shall be the responsibility of the requesting party. Requests for balance supply must be made in writing by completing a "Balance Supply Request" application provided by the District. All applicable fees relative to receiving balance supply water must be paid in full upon submission of a "Balance Supply Request" application. Balance supply requests will be approved by the Board of Directors prior to delivery of water within or outside the District.

IV. USE OF DISTRICT FACILITIES TO TRANSFER NON-PROJECT WATER:

The District will consider, on a case-by-case basis, requests to use District facilities to transfer non-Project water. Such transfers shall be approved in writing in advance by the District, subject to appropriate conditions determined by the District as necessary to protect its facilities and the rights of other water users.

V. AMENDMENT OF POLICY: This policy shall be administered by the District Manager and shall be subject to revision, from time to time, by the Board of Directors.