

APPENDIX F

Non-Fresno Water Supplies by WRIME

APPENDIX F. “NON-FRESNO” WATER SUPPLIES

This section identifies existing and projected water supplies for the non-Fresno area. With the exception of the City of Clovis, the non-Fresno area is solely dependant on groundwater as the source of water supply. Therefore, it is assumed that for the areas other than the City of Clovis the water supply, current and projected, are equal to the water demand.

The City of Clovis has three developed sources of water supply, not including rainfall. The source of water to meet demand has historically come from groundwater. Since 2004, the City of Clovis uses treated surface water from the Kings River to meet a portion of the city’s water demand. The water from the Kings River used is in part from the city’s surface water entitlement and an exchange agreement with the Fresno Irrigation District (FID). The FID receives reclaimed water from the Regional Waste Water Treatment Plant. The City of Clovis receives a compensation of Kings River water in exchange for a percentage of reclaimed water produced by the City of Clovis and received by FID.

The City of Clovis has two planned projects currently under construction, the Waldron Pond and the wastewater treatment and reclamation plant. The Waldron Pond banking project is estimated to produce 9,000 AF with a possible expansion of 3,000 AF per year. The recycled water from the treatment plant, approximately 9,410 AF by 2030, will be used to meet some of the water demand for landscaped irrigation. The details of these projects may be found in the City’s Water Master Plan.

The projected water supplies from the City’s UWMP were extracted for the years 2005 through 2030. The City of Clovis 2005 baseline and projected water supply are presented in Table F-1. The water supply data for the year 2060 was assumed to be met by additional surface water contract agreements to be developed with the Fresno Irrigation District.

Table F-1. City of Clovis Baseline and Projected Water Supply

Water Supply for Clovis	2005	2010	2025	2030	2060
Groundwater Pumped	18,060	15,610	12,557	13,092	13,092
Surface Water	24,976	26,704	37,628	39,828	72,143
FID Exchange for Recycled Water	1,297	1,031	1,054	871	871
Banked		9,000	9,000	9,000	9,000
Recycled		2,913	6,273	9,410	9,410
Total Urban Water Supply	44,333	55,258	66,512	72,201	104,516
Total Urban Demand	24,991	38,877	53,568	59,272	89,648
Net Water Surplus/Overdraft	19,342	16,381	12,944	12,929	14,868

1. Average 2% growth in city limits and a 1:1 increase in surface water contract.
2. Constant water supplies from all other sources.

BASELINE AND PROJECTED WATER SUPPLY SUMMARY

The projected water supplies for the non-Fresno area are shown in Table F-2. For the areas where limited or no information was available, assumptions were outlined in Appendix A. "Non-Fresno" Water Demands.

Table F-2. Baseline and Projected Water Supply Summary

Water Supply	2005	2010	2025	2060
Clovis	44,333	55,258	66,512	104,516
Pinedale	2,915	3,452	3,805	3,805
Bakman	4,450	4,450	4,450	4,450
CSU Fresno	1,007	1,007	1,007	1,007
General Plan Growth Fringe	101,236	101,236	101,236	120,884
Malaga	1,765	1,765	1,765	1,765
Total	155,706	167,168	178,775	236,427

The projection for the City of Clovis was extracted from the 2005 UWMP. The plan had population and water supply projects and programs outlined to the year 2030. The 2060 water supply was calculated by assuming an increase in surface water supply along with the growth of the City. For all other areas, the supply is assumed to equal the demand.