

Appendix C: Correspondences

- UWMP Notice of Preparation, March 10, 2016
- Growth Projection Letter to Cities and Counties
- UWMP Public Draft Comments

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- UWMP Notice of Preparation, March 10, 2016



CALIFORNIA WATER SERVICE

1720 North First Street
San Jose, CA 95112-4598 Tel: (408) 367-8200

March 10, 2016

[Name_F] [Name_L]
[Organization]
[Address]
[City], CA [ZipCode]

Dear [Title] [Name_L]:

California Water Service (Cal Water) is committed to providing safe, reliable, and high-quality water utility service in our Kern River Valley service area. At Cal Water, one of our top priorities is ensuring that our customers have a sustainable supply of water for decades to come.

With that in mind, we wanted to take this opportunity to let you know that we are updating our Urban Water Management Plan (UWMP) for this service area. This UWMP is reviewed and updated every five years pursuant to the Urban Water Management Plan Act, and will be completed by July 1, 2016. Our UWMP is a foundational document that supports our long-term water resource planning to ensure our customers have adequate water supplies to meet current and future demands.

Proposed revisions to our 2010 UWMP will be made available for public review, and we will be holding a public hearing, during which the updates for the 2015 UWMP will be discussed. The draft 2015 UWMP and the date, time and location of the public hearing will be available on our web site in a few weeks at www.calwater.com/conservation/uwmp. A hard copy of the draft UWMP will also be available at our Kern River Valley Customer Center located at 7138 Lake Isabella Boulevard, Lake Isabella, CA 93240.

If you have any questions about the UWMP for this service area, please contact Michael Bolzowski, Cal Water Senior Engineer, at (408) 367-8338 or e-mail Planninginfo@calwater.com.

Sincerely,

A handwritten signature in black ink that reads "Scott Wagner".

Scott Wagner
Director of Capital Planning & Water Resources

Martin Ortiz
Advanced Planning
City of Bakersfield, Planning Division
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Lake Isabella, CA 93240
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Kern County, Planning Department
7138 Lake Isabella Boulevard
Lake Isabella, CA 93240
LoreleiO@co.kern.ca.us

Appendix C: Correspondences

- Growth Projection Letter to Cities and Counties

Blanusa, Danilo

From: Blanusa, Danilo
Sent: Thursday, September 10, 2015 9:53 AM
To: 'Lorelei Oviatt (LoreleiO@co.kern.ca.us)'
Cc: Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Whitley, Chris; Valles, Rudy
Subject: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Kern River Valley District
Attachments: Letter to City Planning Officials - Attachmet - KRV.pdf

Dear Ms. Oviatt,

Pursuant to California Water Code, Division 6, Part 2.6, Sections 10610 through 10656, California Water Service is in the process of preparing the required 2015 update of our Urban Water Management Plans. These plans are required to be updated every five (5) years for each of our services areas (Districts). As you know our Kern River Valley District provides water service to the Kern County.

The purpose of this communication is to solicit your assistance in reviewing and advising us with respect to one of the key elements of the plan, which is the development of a growth forecast for our district. This growth forecast is conducted based on growth in each customer service classification applicable to a particular district, which typically include:

- Single family residential
- Multi-family residential
- Commercial
- Industrial
- Government (City or County parks, median strips, landscaping and schools)
- Dedicated Irrigation (rare)
- Other (temporary construction meters)

The forecasted growth rates are combined with a demand per service factor applicable to each customer class to determine the future water demands for the district. These growth factors are adjustable and we want to review them with you so that we are consistent with anticipated growth that your planning efforts forecast. If adjustments are necessary we can do them now and avoid conflicts and confusion later in this process.

Some specific information regarding our approach to forecasting customer service growth is detailed as follows:

- **Residential** – Typically two residential customer service categories represent the vast majority of the service counts as well as subsequent water sales or demand in our districts. Cal Water considers both single family and multi-family residential services independently as individual classes, but combines them together in order to assess population growth and housing unit growth. While we use historical trends in the establishment for the growth rates for these two customer classes, we also analyze census data for population and housing factors and compare our forecast results for these two parameters with available data from City General Plans, as well as County Economic Forecast data and Regional government association forecasts as a reality or appropriateness check of our results.
- **Commercial & Industrial** – Historical trend is a key influence in this customer class, however where we have seen negative trends in recent years for these categories due to the economic downturn, we typically employ either a zero rate of growth or a small, reasonable positive rate of growth. We have also undertaken during the last ten years some reassessment of customer service classifications that has resulted in reallocation of some customer service accounts between various classes. This reallocation, which included commercial, industrial, multi-family residential and in some cases government services, has made the analysis of growth a bit more difficult.

- **Government** – Growth trends are generally parallel to that of the residential sector, so we verify that our rate of grow is not dramatically out-of-sequence with the overall community.
- **Other** – The use of temporary-assigned construction meters varies considerably from year to year, and can represent considerable water demand. In this case, we select a growth rate that is stable, yet reflects the overall growth of the community.

We have included with this communication a set of tables and graphs (see attachment) that illustrate the parameters that influence the growth forecast as currently set up for this district. These include:

- A. The historical and projected service data in both graph and table form
- B. The 2000 and 2010 Census data for the districts service area
- C. Housing projection chart comparing Cal Water’s forecast (always in red) with those from other organizations
- D. Population projection chart comparing Cal Water’s forecast (always in red) with those from other organizations
- E. Table of population and housing values along with multi-family residential unit density and persons per housing unit density that are employed in this forecast effort.

Please note that the 2015 data, which we need to include in our finished forecast, is not yet final, and some minor fluctuation of these values is possible.

Please examine these documents to determine if you concur with our forecasted housing and population numbers. It would be greatly appreciated if you could, by **September 30, 2015**, provide us with an indication of your support or in the case you do not agree with our forecast a reason why and the appropriate rate or growth pattern that we should employ. **If I do not hear back from you by the end of business (EOB) on the above date I will assume that you concur with our forecast.**

If you need a more detailed explanation of these numbers or want to review them with us please feel free to contact me at (408) 367-8340 or by email at tsalzano@calwater.com.

Thank you for your assistance in this effort.

Respectfully,

Thomas A. Salzano

Thomas A. Salzano
Water Resource Planning Supervisor

Danilo Blanusa, P.E.

Senior Engineer

CALIFORNIA WATER SERVICE

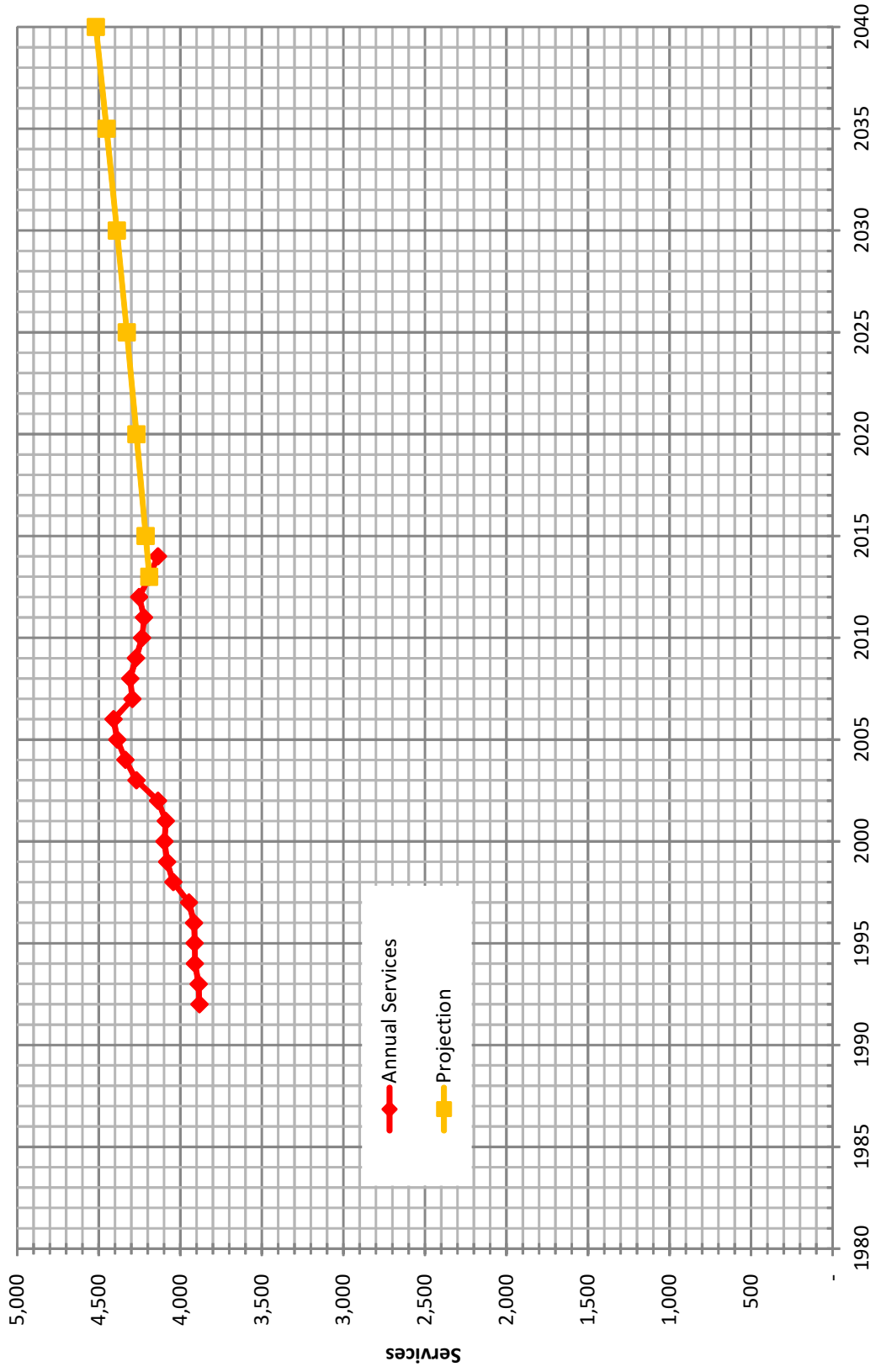
408-367-8387



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Historical & Projected Services (Consolidated)



California Water Service Company - Kern River Valley District

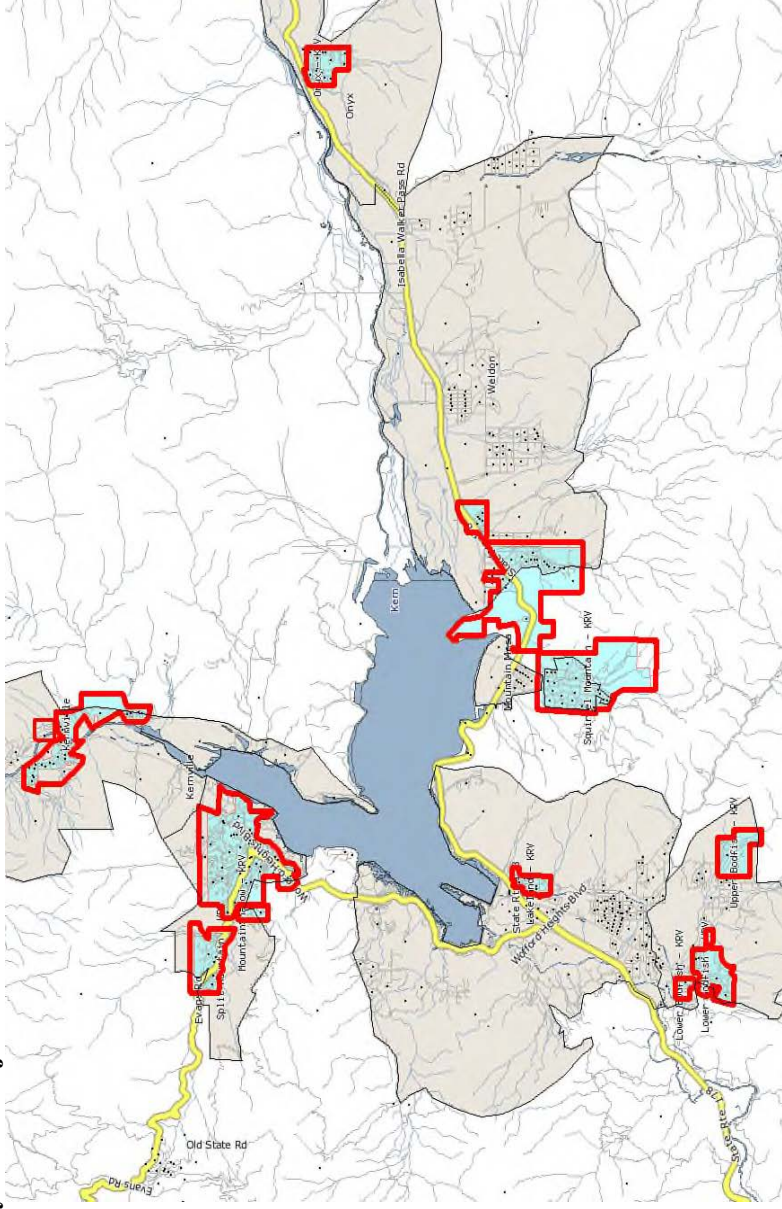
Water Supply and Demand Analysis and Projections

Actual & Projected Annual Average Services

Customer Category	Selected Trend	Growth Rate	Actual Services				Projected Services							
			2000	2005	2010	Base Year 2013	2015	2020	2025	2030	2035	2040		
SFR		0.24%	3,995	4,276	4,103	4,068	4,087	4,136	4,186	4,237	4,291	4,345		
MFR		0.76%	7	5	7	7	7	7	8	8	8	9		
COM		1.36%	72	101	107	98	101	108	115	123	132	141		
IND		0.00%	0	0	0	0	0	0	0	0	0	0		
GOV		1.10%	11	3	17	17	17	18	19	20	21	22		
OTH		0.00%	0	0	0	0	0	0	0	0	0	0		
TOTAL	Average growth rate 2011-2040	0.28%	4,085	4,385	4,234	4,190	4,212	4,269	4,328	4,389	4,452	4,518		

Notes:

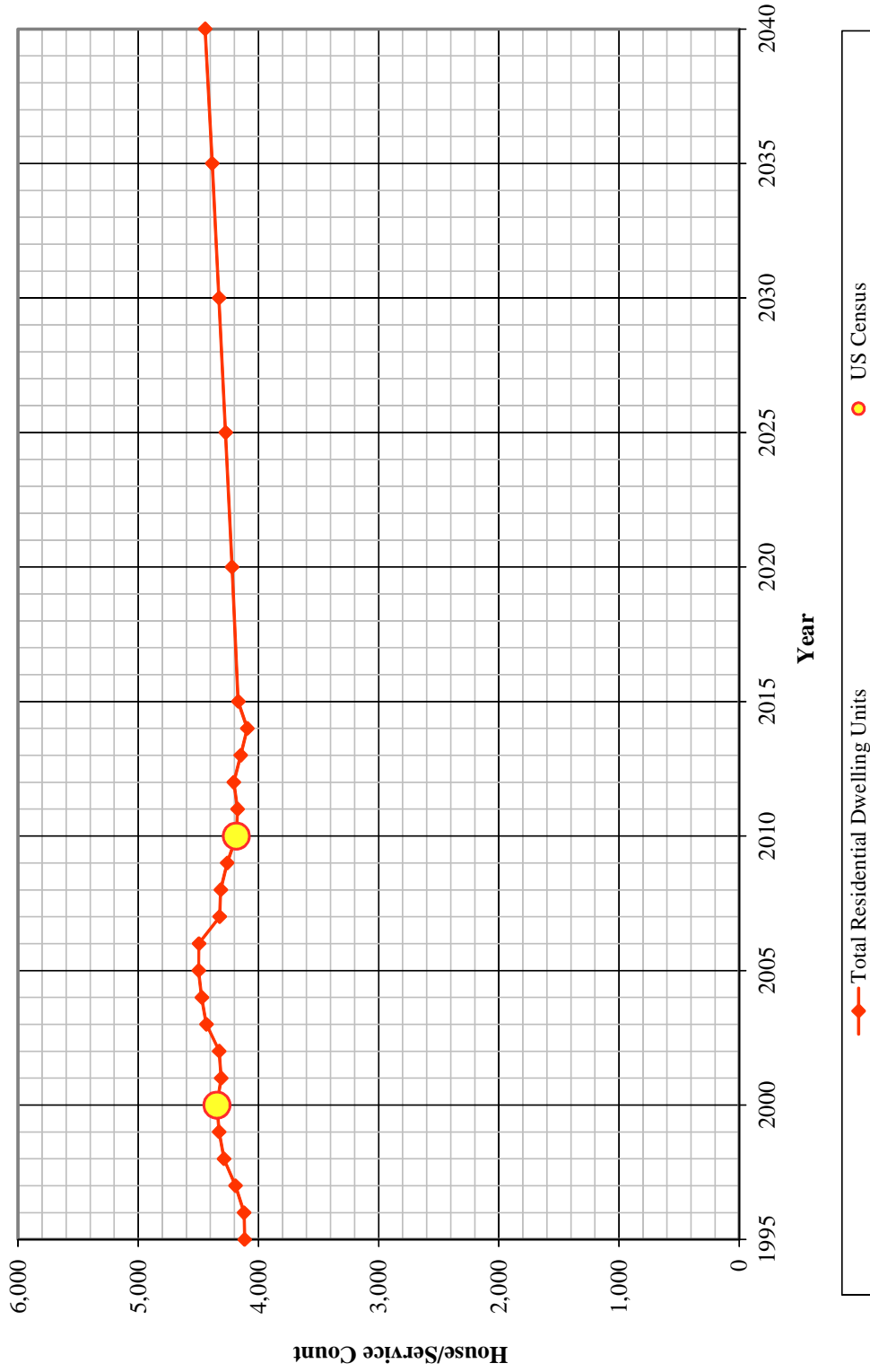
California Water Service Company - Kern River Valley District
Water Supply and Demand Analysis and Projections
US Census 2010 Tract Map Summary



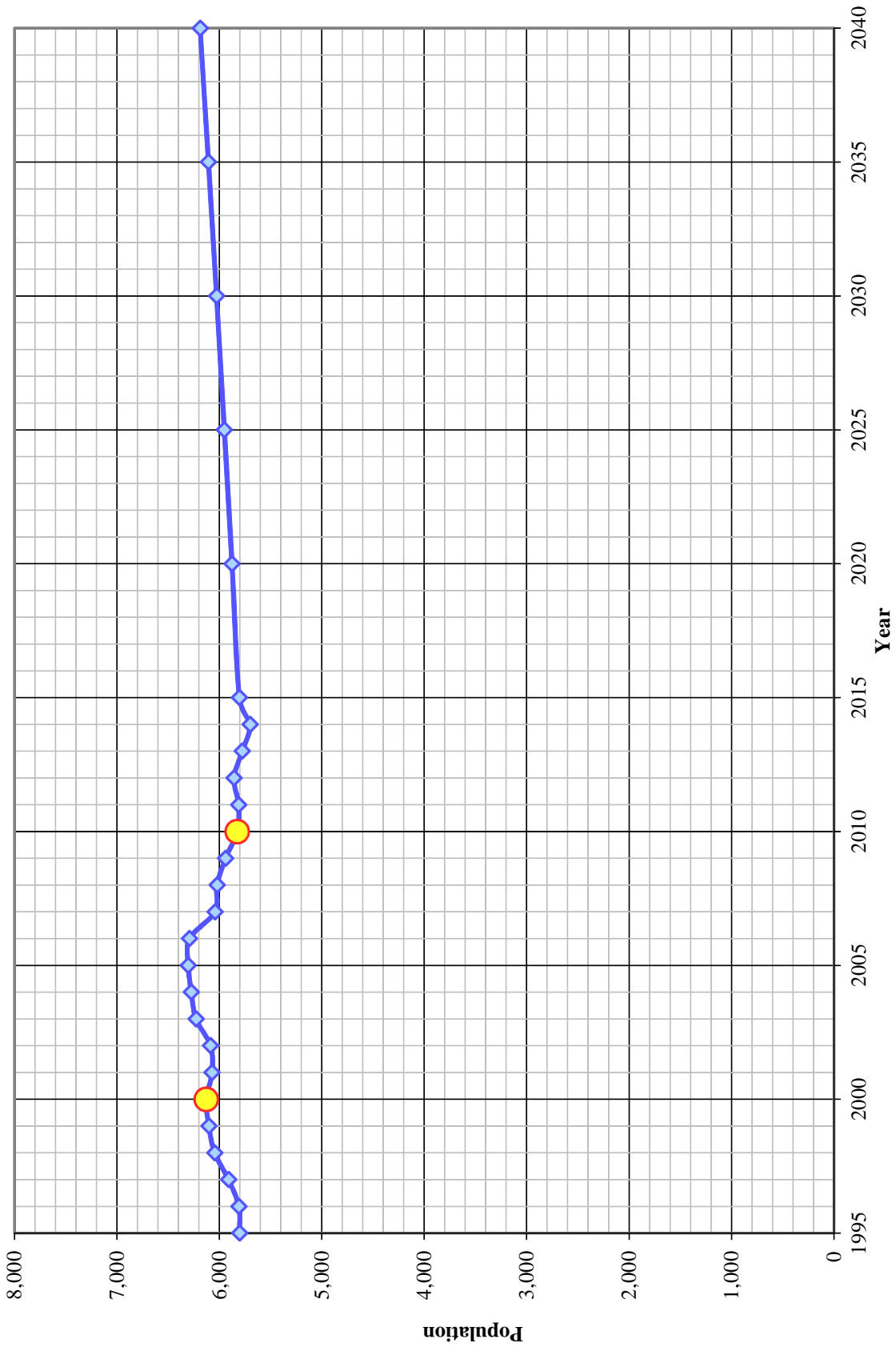
System	US Census 2000 Summary				US Census 2010 Summary				2000-2010 Change		
	Census Blocks	Population	Housing Units (HU)	Density	Census Tract Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
Arden	61	1,772	1,540	1.15	61	1,856	1,633	1.14	4.7%	6.0%	-1.2%
Kernville	34	1,120	796	1.41	38	769	564	1.36	-31.3%	-29.1%	-3.1%
Mountain Shadows	1	22	10	2.20	1	-	1	-	-100.0%	-90.0%	-100.0%
James Water	-	-	-	-	1	19	9	2.11			
Ponderosa Pine	6	127	94	1.35	-	-	-	-			
Split Mountain	15	153	136	1.13	13	219	190	1.15	43.1%	39.7%	2.5%
Lakeland	11	257	195	1.32	11	294	204	1.44	14.4%	4.6%	9.3%
Upper Bodfish	4	340	203	1.67	5	441	268	1.65	29.7%	32.0%	-1.8%
Lower Bodfish	17	647	409	1.58	12	404	251	1.61	-37.6%	-38.6%	1.7%
Juniper Hills	1	10	5	2.00	-	-	-	-			
Southlake	36	754	480	1.57	33	769	451	1.71	2.0%	-6.0%	8.5%
Squirrel Mountain	33	570	274	2.08	23	735	406	1.81	28.9%	48.2%	-13.0%
Onyx	20	355	203	1.75	25	319	206	1.55	-10.1%	1.5%	-11.4%
	239	6,127	4,345	1.41	223	5,825	4,183	1.39	-4.9%	-3.7%	-1.2%

MARPLET disclaimer: The population and housing number given above are only rough estimates. They are based on the US Census Blocks. Although Census Blocks are polygons, MARPLET uses the centroid, or center point, rather than the entire polygon. If a Census Block centroid is within any of the MARPLET selected objects, the population and housing numbers for that block are tallied, even if only part of the block is within the selected object. It is possible for a block not be counted if its centroid is not within selected objects, even though part of the block is within the selected objects.

Housing Projections



Population Projections



Cal Water Projection

US Census

California Water Service Company - Kern River Valley District Water Supply and Demand Analysis and Projections Population Estimate

Year	US Census		Persons per Housing Unit	Single Family Residential		Multi Family Residential		Flat Rate Residential Services (DU)
	Population	Housing Units		Residential Services (DU)	Residential Units (DU)	Services	Residential Units (DU)	
2000	6,127	4,345	1.410	3,995	8	350	43.7	0
2010	5,825	4,183	1.393	4,089	7	94	13.4	0
	-4.9%	-3.7%	-1.2%	2.3%	-12.5%	-73.1%	-69.3%	0.0%

Year	Single Family Residential Services (DU)		Multi Family Residential		Flat Rate Residential Services (DU)	Total Residential Dwelling Units	Persons per Housing Unit	Estimated District Population
	Residential Services (DU)	Services	Residential Units (DU)	Unit Density				
1995	3,809	7	306	43.7		4,115	1.410	5,802
1996	3,814	7	306	43.7		4,120	1.410	5,810
1997	3,842	8	350	43.7		4,192	1.410	5,911
1998	3,937	8	350	43.7		4,287	1.410	6,045
1999	3,978	8	350	43.7		4,328	1.410	6,103
2000	3,995	8	350	43.7		4,345	1.410	6,127
2001	3,986	8	324	40.5		4,311	1.408	6,071
2002	4,028	8	299	37.3		4,327	1.407	6,086
2003	4,160	5	273	54.6		4,433	1.405	6,228
2004	4,224	5	247	49.5		4,471	1.403	6,274
2005	4,276	5	222	44.4		4,498	1.401	6,303
2006	4,299	5	196	39.3		4,495	1.400	6,292
2007	4,152	7	171	24.4		4,323	1.398	6,043
2008	4,155	7	145	20.7	14	4,314	1.396	6,023
2009	4,126	7	120	17.1	14	4,259	1.394	5,939
2010	4,089	7	80	11.4	14	4,183	1.393	5,825
2011	4,080	7	80	11.4	14	4,174	1.393	5,812
2012	4,112	7	80	11.4	14	4,206	1.393	5,857
2013	4,054	7	80	11.4	14	4,148	1.393	5,776
2014	4,002	7	80	11.4	11	4,093	1.393	5,700
2015	4,087	7	81	11.4		4,168	1.393	5,805
2020	4,136	7	84	11.4		4,220	1.393	5,877
2025	4,186	8	88	11.4		4,274	1.393	5,951
2030	4,237	8	91	11.4		4,329	1.393	6,028
2035	4,291	8	95	11.4		4,385	1.393	6,107
2040	4,345	9	98	11.4		4,444	1.393	6,188

Notes: linear extrapolation used to estimated MFR-DU from 2000. Estimate extend until 2010 due to reclassification, afterwards a constant MFR Unit Density is used.

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Appendix C: Correspondences

- UWMP Public Draft Comments

Note: There were no public comments on the UWMP public draft.