

Appendix C: Correspondences

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

Appendix C: Correspondences

- 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 Willows 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 Willows Customer Center located at 1070 West Wood Street, Suite A-1, Willows, CA 95988.

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

Steve Holsinger
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1070 West Wood Street, Suite A-1
Willows, CA 95988
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Vice Mayor
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Appendix C: Correspondences

- Growth Projection Letter to Cities and Counties

Blanusa, Danilo

From: Blanusa, Danilo
Sent: Wednesday, August 19, 2015 9:35 AM
To: Steve Holsinger (sholsinger@cityofwillows.org)
Cc: Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Fulks, Geoff
Subject: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Willows District
Attachments: Letter to City Planning Officials - Attachmet - WIL.pdf

Dear Mr. Holsinger,

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 Willows District provides water service to the City of Willows.

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 11, 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

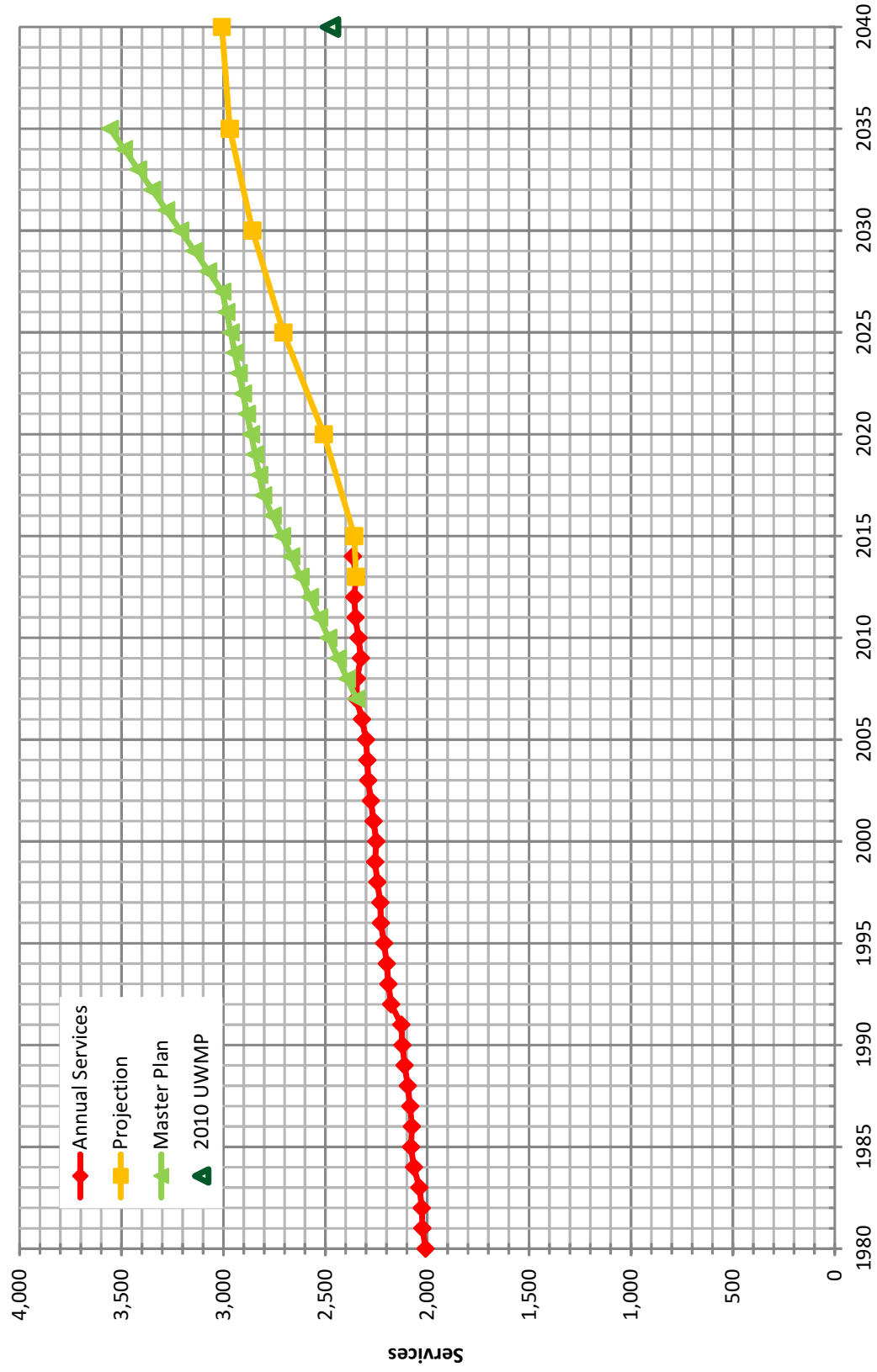
408-367-8387



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calwater.com

Historical & Projected Services



**California Water Service Company - Willows Districts
Water Supply and Demand Analysis and Projections**

Customer Category	Selected Trend	Growth Rate	Actual Services				Base Year	Projected Services					
			2000	2005	2010	2013		2015	2020	2025	2030	2035	2040
SFR	SFR_F 10 Yr. Avg.+Planned Dev	1.06%	1,913	1,952	1,976	1,997	2,004	2,149	2,343	2,493	2,604	2,642	
MFR	MFR_F 5 Yr. Avg.+Planned Dev	0.91%	22	22	34	34	34	38	43	43	43	43	
COM	COM_A Zero Growth Rate	0.00%	270	281	270	265	265	265	265	265	265	265	
IND	IND_A Zero Growth Rate	0.00%	0	0	0	0	0	0	0	0	0	0	
GOV	GOV_B 0.0025	0.25%	46	45	52	49	49	50	50	51	52	52	
OTH	OTH_B 0.0025	0.25%	0	1	5	4	4	4	4	4	4	4	
TOTAL	Average growth rate 2012-2040	0.93%	2,250	2,301	2,337	2,350	2,357	2,507	2,706	2,857	2,969	3,007	

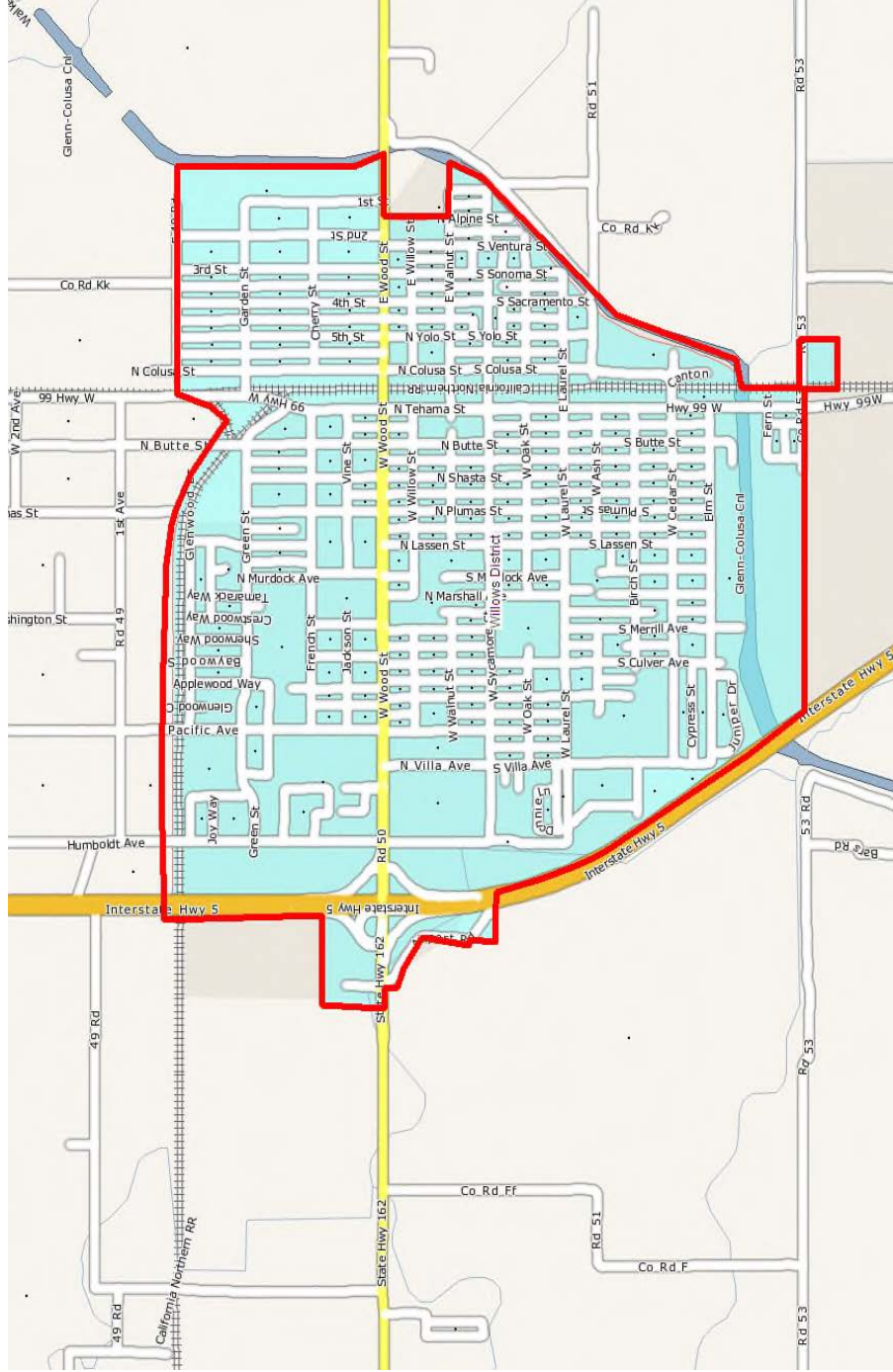
Notes:

	Percent of Total						
COM	12.0%	12.2%	11.6%	11.3%	10.6%	9.3%	8.8%
GOV	2.0%	2.0%	2.2%	2.1%	2.0%	1.8%	1.7%

California Water Service Company - Willows Districts

Water Supply and Demand Analysis and Projections

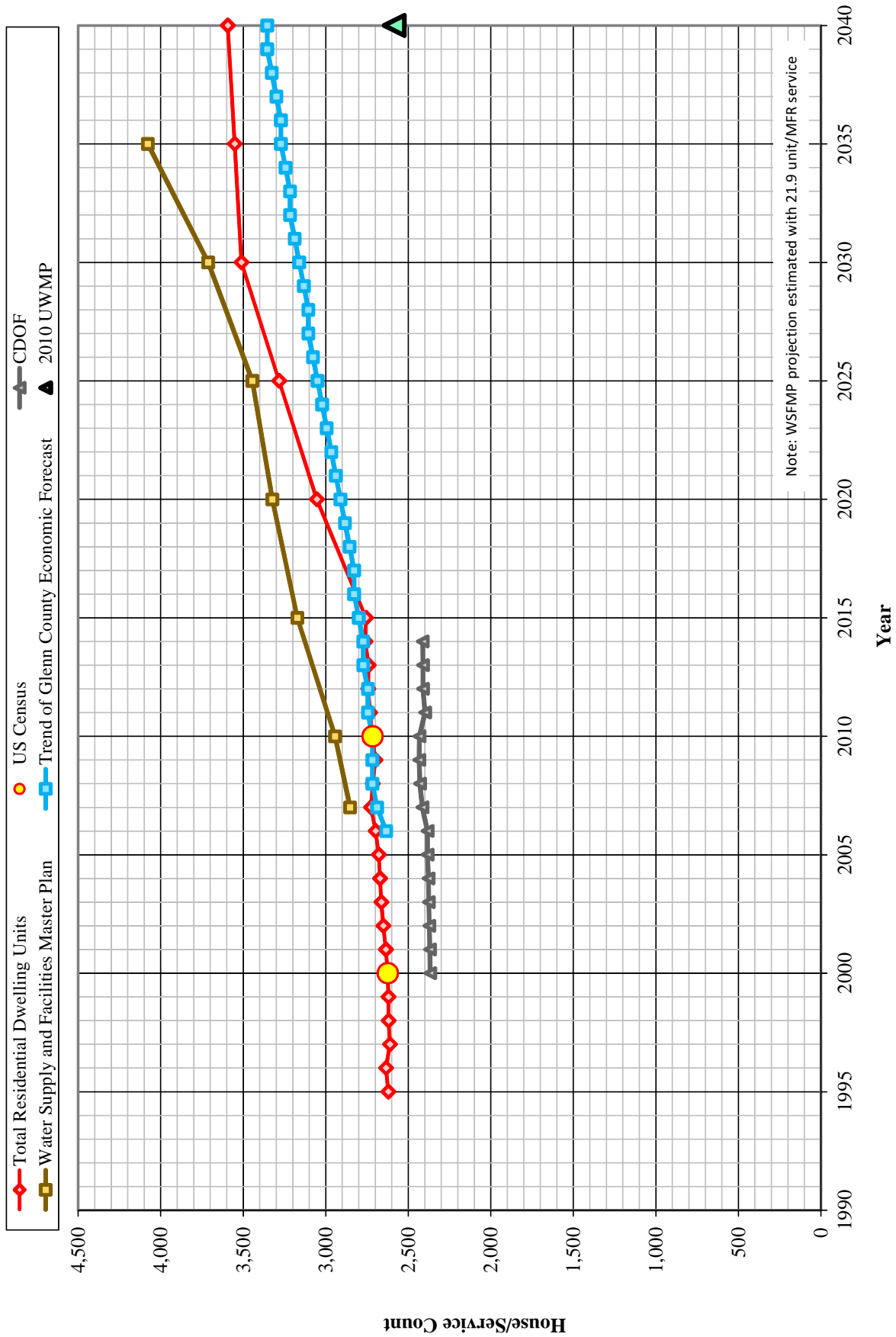
MarPlot Summary



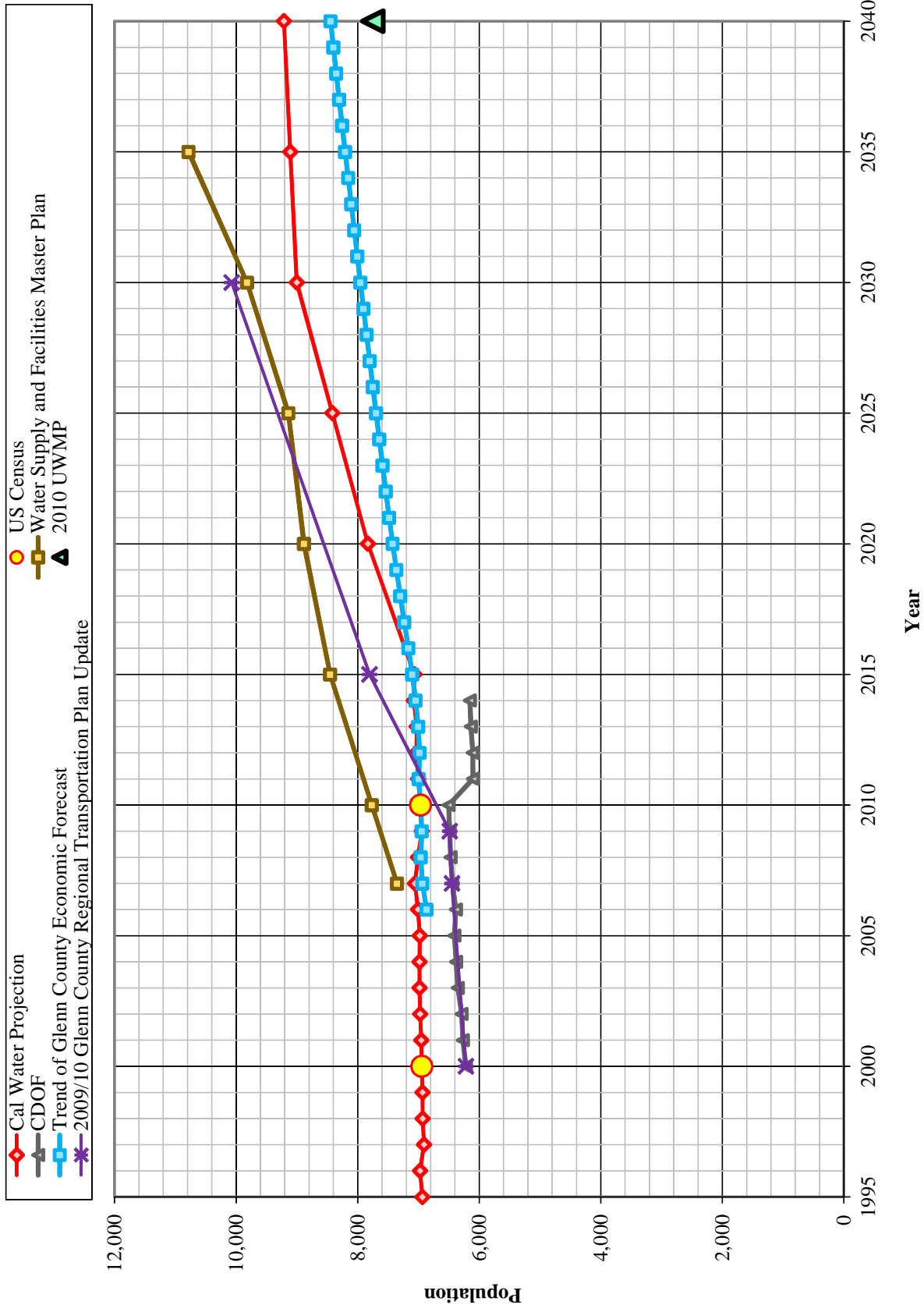
System	US Census 2000 Summary			US Census 2010 Summary			2000-2010 Change				
	Census Blocks	Population	Housing Units (HU)	Density	Census Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
Willows	164	6,946	2,625	2.65	238	6,967	2,717	2.56	100.3%	103.5%	96.9%
	164	6,946	2,625	2.65	238	6,967	2,717	2.56	100.3%	103.5%	96.9%

MARPLOT 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, MARPLOT uses the centroid, or center point, rather than the entire polygon. If a Census Block centroid is within any of the MARPLOT 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



California Water Service Company - Willows Districts

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)	Services	Residential Units (DU)	Unit Density	
2000	6,946	2,625	2.646	1,045	22	712	32.4	868
2010	6,967	2,717	2.564	1,435	34	741	21.8	541
	0.3%	3.5%	-3.1%	37.4%	54.2%	4.0%	-32.6%	-37.7%

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	Residential Units (DU)	Unit Density				
1995	925	23	745	32.4	951	2,621	2.646	6,936
1996	965	23	745	32.4	925	2,635	2.646	6,974
1997	989	22	718	32.4	904	2,611	2.646	6,910
1998	1,017	22	712	32.4	890	2,619	2.646	6,931
1999	1,037	22	704	32.4	879	2,621	2.646	6,934
2000	1,045	22	712	32.4	868	2,625	2.646	6,946
2001	1,057	22	715	32.6	864	2,636	2.638	6,953
2002	1,073	22	718	32.6	860	2,652	2.630	6,973
2003	1,090	22	721	32.9	852	2,664	2.622	6,982
2004	1,104	22	724	32.9	844	2,672	2.613	6,982
2005	1,110	22	727	33.0	843	2,679	2.605	6,979
2006	1,134	22	729	33.2	835	2,698	2.597	7,007
2007	1,169	22	732	33.3	825	2,726	2.589	7,058
2008	1,219	28	735	25.9	761	2,716	2.581	7,008
2009	1,347	34	738	21.8	615	2,700	2.572	6,945
2010	1,435	34	741	21.8	541	2,717	2.564	6,967
2011	1,597	34	744	21.9	392	2,732	2.564	7,005
2012	1,733	34	744	21.9	267	2,743	2.564	7,035
2013	1,890	34	744	21.9	107	2,741	2.564	7,028
2014	1,965	34	744	21.9	51	2,760	2.564	7,077
2015	2,011	34	745	21.9	0	2,756	2.564	7,067
2020	2,215	38	839	21.9	0	3,054	2.564	7,832
2025	2,350	43	933	21.9	0	3,283	2.564	8,418
2030	2,575	43	937	21.9	0	3,511	2.564	9,004
2035	2,612	43	940	21.9	0	3,552	2.564	9,108
2040	2,650	43	944	21.9	0	3,594	2.564	9,215

^ | ACTUAL
 ^ | PROJECTED
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Notes: linear extrapolation used to estimated MFR-DU from 2000. Estimate extend until 2011 due to reclassification, afterwards a constant MFR Unit Density is used.

Blanusa, Danilo

From: Blanusa, Danilo
Sent: Wednesday, August 19, 2015 9:41 AM
To: 'Mardy Thomas (mthomas@countyofglenn.net)'
Cc: Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Fulks, Geoff
Subject: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Willows District
Attachments: Letter to City Planning Officials - Attachmet - WIL.pdf

Tracking:	Recipient	Delivery
	'Mardy Thomas (mthomas@countyofglenn.net)'	
	Salzano, Tom	Delivered: 8/19/2015 9:41 AM
	Bolzowski, Michael R.	Delivered: 8/19/2015 9:41 AM
	Keck, Jonathan	Delivered: 8/19/2015 9:41 AM
	Fulks, Geoff	Delivered: 8/19/2015 9:41 AM

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Respectfully,

Thomas A. Salzano

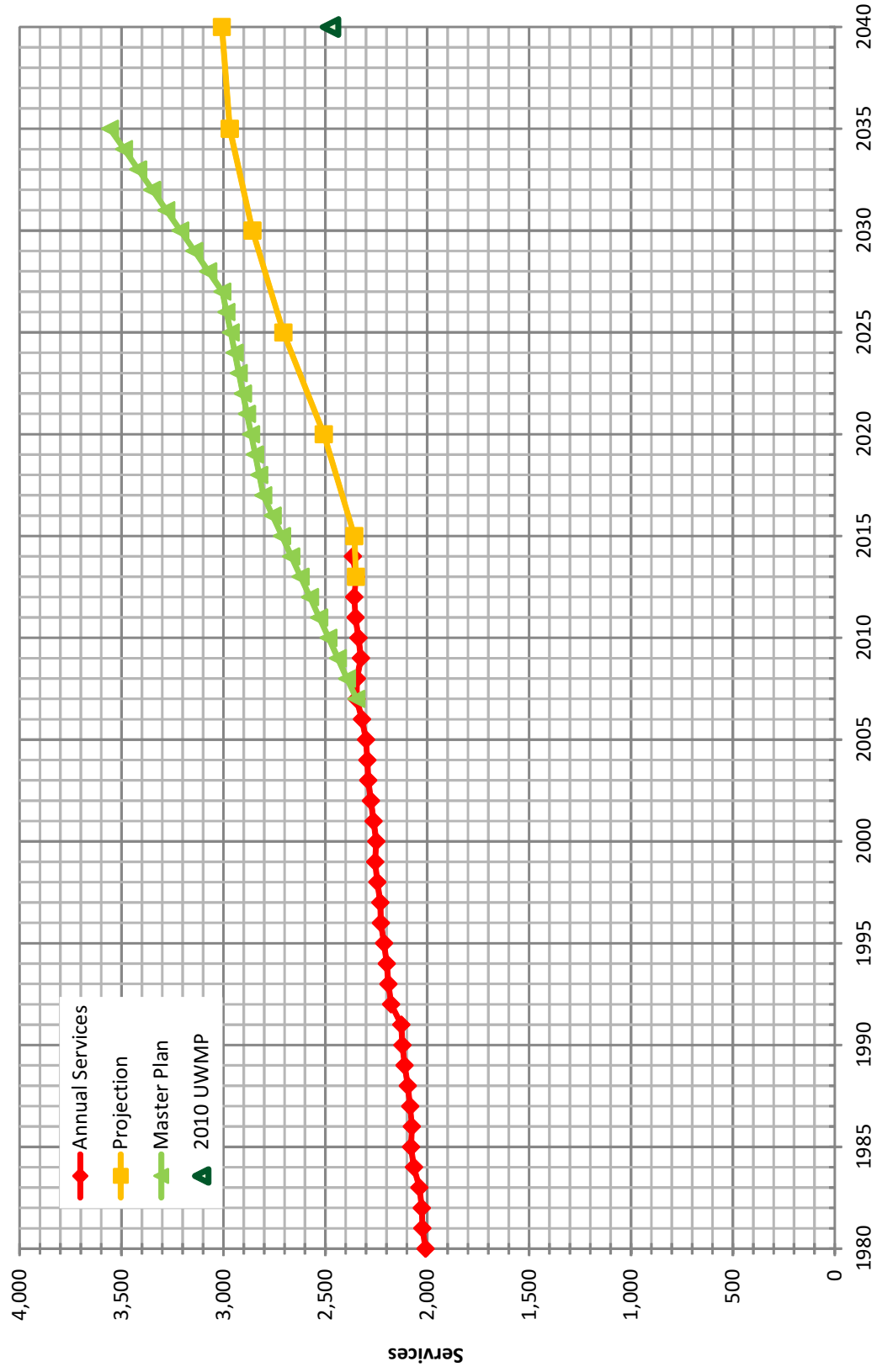
Thomas A. Salzano
Water Resource Planning Supervisor

Danilo Blanusa, P.E.
Senior Engineer
CALIFORNIA WATER SERVICE
408-367-8387



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**California Water Service Company - Willows Districts
Water Supply and Demand Analysis and Projections**

Customer Category	Selected Trend	Growth Rate	Actual Services				Base Year	Projected Services					
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OTH	OTH_B 0.0025	0.25%	0	1	5	4	4	4	4	4	4	4	
TOTAL	Average growth rate 2012-2040	0.93%	2,250	2,301	2,337	2,350	2,357	2,507	2,706	2,857	2,969	3,007	

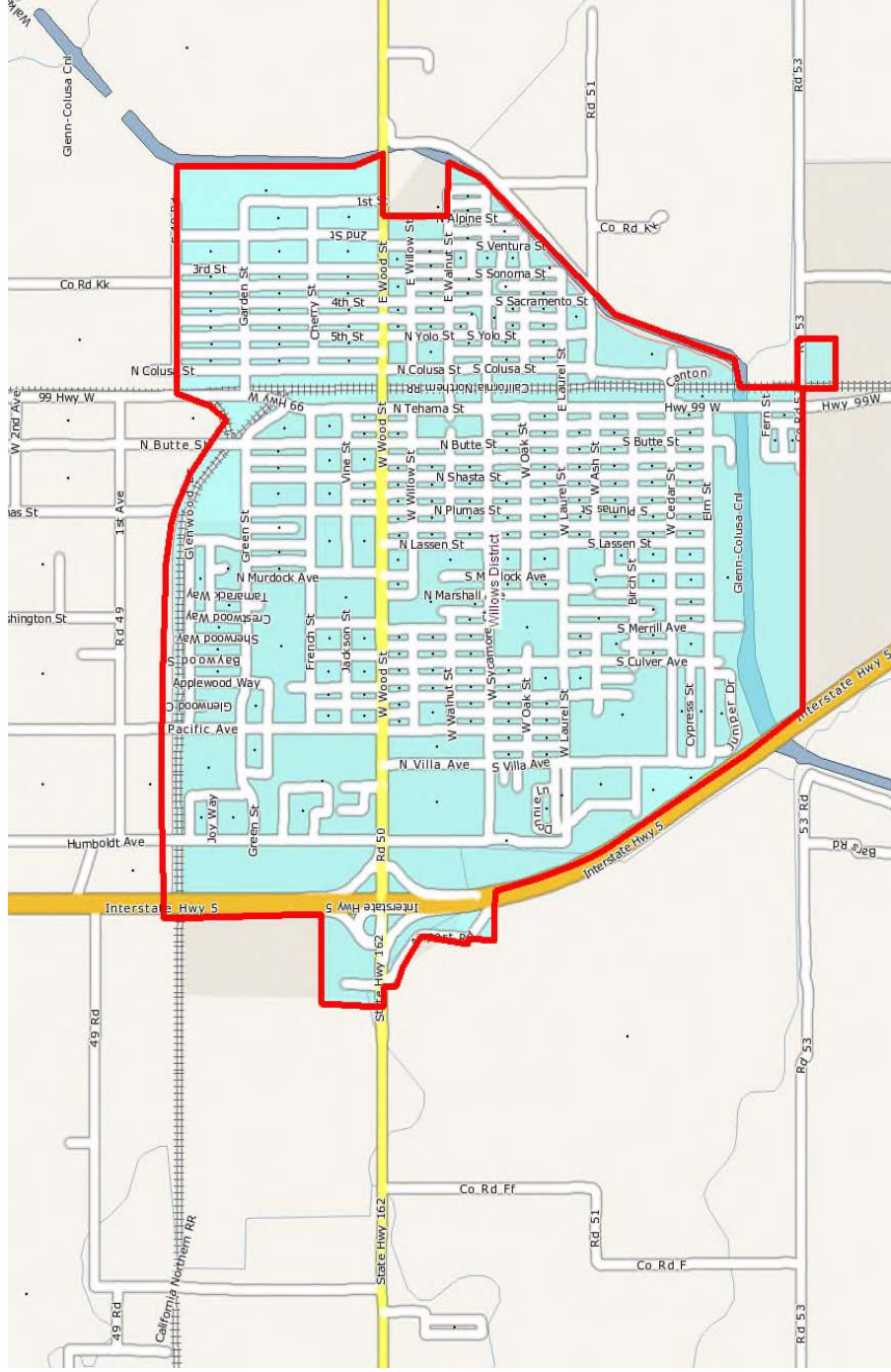
Notes:

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California Water Service Company - Willows Districts

Water Supply and Demand Analysis and Projections

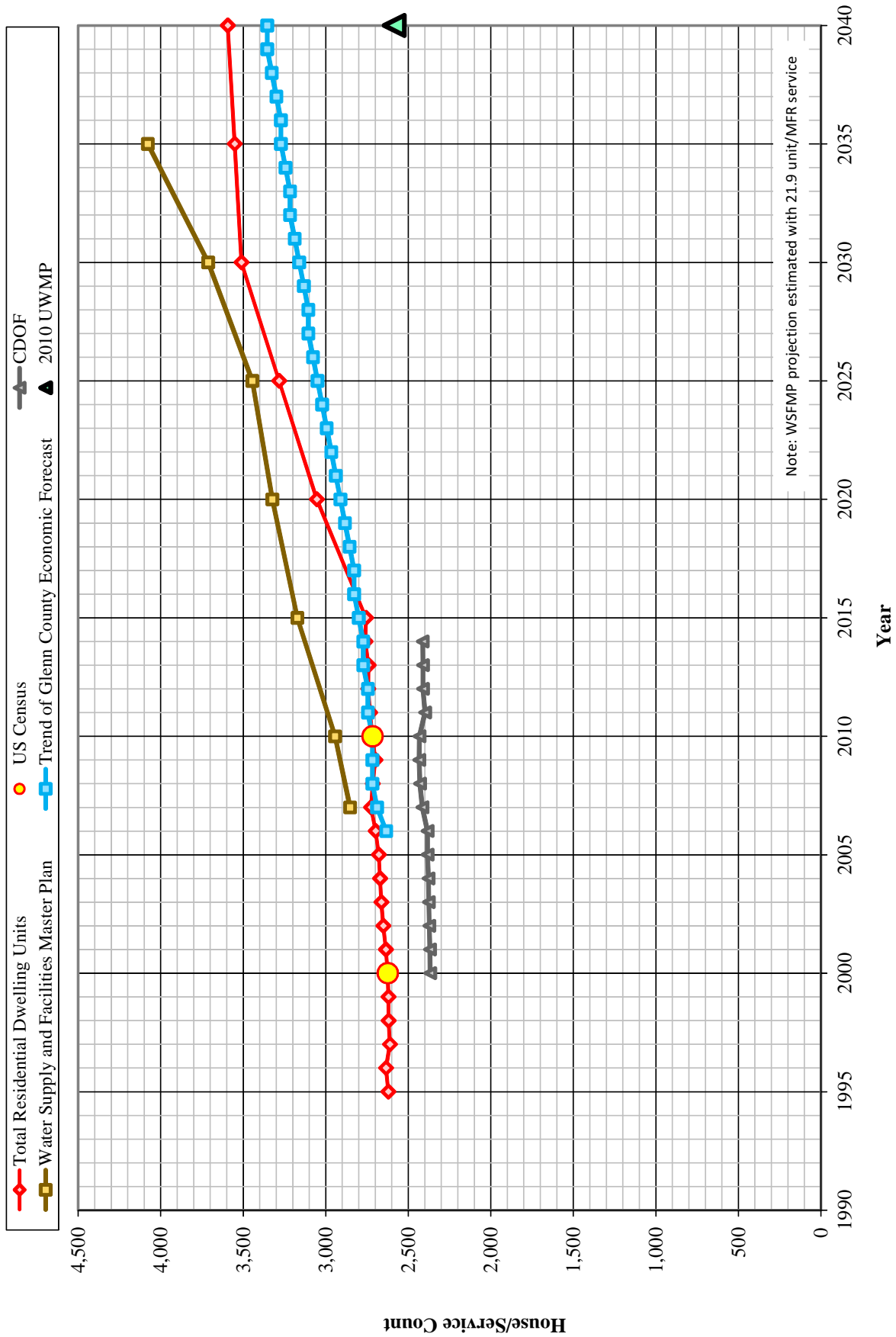
MarPlot Summary



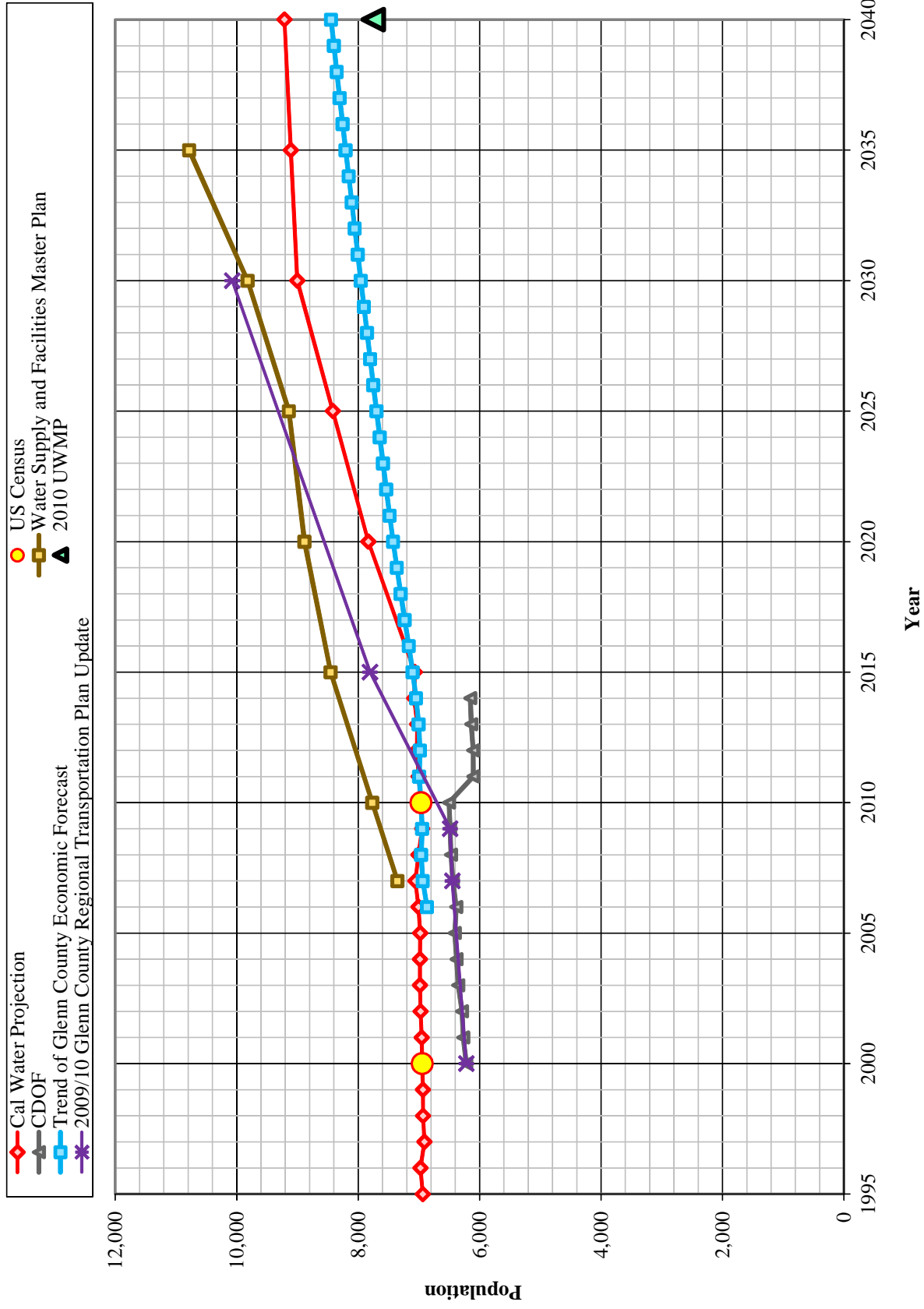
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	Census Blocks	Housing Units (HU)	Census Blocks	Housing Units (HU)	Percentage Population Change	Percentage HU Change	Density Change
Willows	164	6,946	238	6,967	100.3%	103.5%	96.9%
	164	6,946	238	6,967	100.3%	103.5%	96.9%

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Housing Projections



Population Projections



California Water Service Company - Willows Districts 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)	Services	Residential Units (DU)	Unit Density		
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2006	1,134	22	729	33.2	835	2,698	2.597	7,007
2007	1,169	22	732	33.3	825	2,726	2.589	7,058
2008	1,219	28	735	25.9	761	2,716	2.581	7,008
2009	1,347	34	738	21.8	615	2,700	2.572	6,945
2010	1,435	34	741	21.8	541	2,717	2.564	6,967
2011	1,597	34	744	21.9	392	2,732	2.564	7,005
2012	1,733	34	744	21.9	267	2,743	2.564	7,035
2013	1,890	34	744	21.9	107	2,741	2.564	7,028
2014	1,965	34	744	21.9	51	2,760	2.564	7,077
2015	2,011	34	745	21.9	0	2,756	2.564	7,067
2020	2,215	38	839	21.9	0	3,054	2.564	7,832
2025	2,350	43	933	21.9	0	3,283	2.564	8,418
2030	2,575	43	937	21.9	0	3,511	2.564	9,004
2035	2,612	43	940	21.9	0	3,552	2.564	9,108
2040	2,650	43	944	21.9	0	3,594	2.564	9,215

^ | ACTUAL
 ^ | PROJECTED
 | |
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Notes: linear extrapolation used to estimated MFR-DU from 2000. Estimate extend until 2011 due to reclassification, afterwards a constant MFR Unit Density is used.

Appendix C: Correspondences

- UWMP Public Draft Comments

Note: There were no comments received on the UWMP Public Draft.