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

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 Bayshore 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 Bayshore Customer Center located at 341 North Delaware Street, San Mateo, CA 94401.

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,

Scott Wagner
Director of Capital Planning & Water Resources

Nicole Sandkulla
Senior Water Resources Planning Manager
Bay Area Water Supply and Conservation
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Appendix C: Correspondences

- Growth Projection Letter to Cities and Counties

Blanusa, Danilo

From:	Blanusa, Danilo
Sent:	Wednesday, August 19, 2015 2:56 PM
To:	'Jeff Maltbie (jmaltbie@cityofsancarlos.org)'
Cc:	Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Carrasco, Anthony; Utz, Michael
Subject:	Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Mid-Peninsula District (SC)
Attachments:	Letter to City Planning Officials - Attachmet - SC.pdf

Tracking:	**Recipient**	**Delivery**
	'Jeff Maltbie (jmaltbie@cityofsancarlos.org)'	
	Salzano, Tom	Delivered: 8/19/2015 2:56 PM
	Bolzowski, Michael R.	Delivered: 8/19/2015 2:56 PM
	Keck, Jonathan	Delivered: 8/19/2015 2:56 PM
	Carrasco, Anthony	Delivered: 8/19/2015 2:56 PM
	Utz, Michael	Delivered: 8/19/2015 2:56 PM

Dear Mr. Maltbie,

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 Mid-Peninsula District provides water service to the City of San Carlos.

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
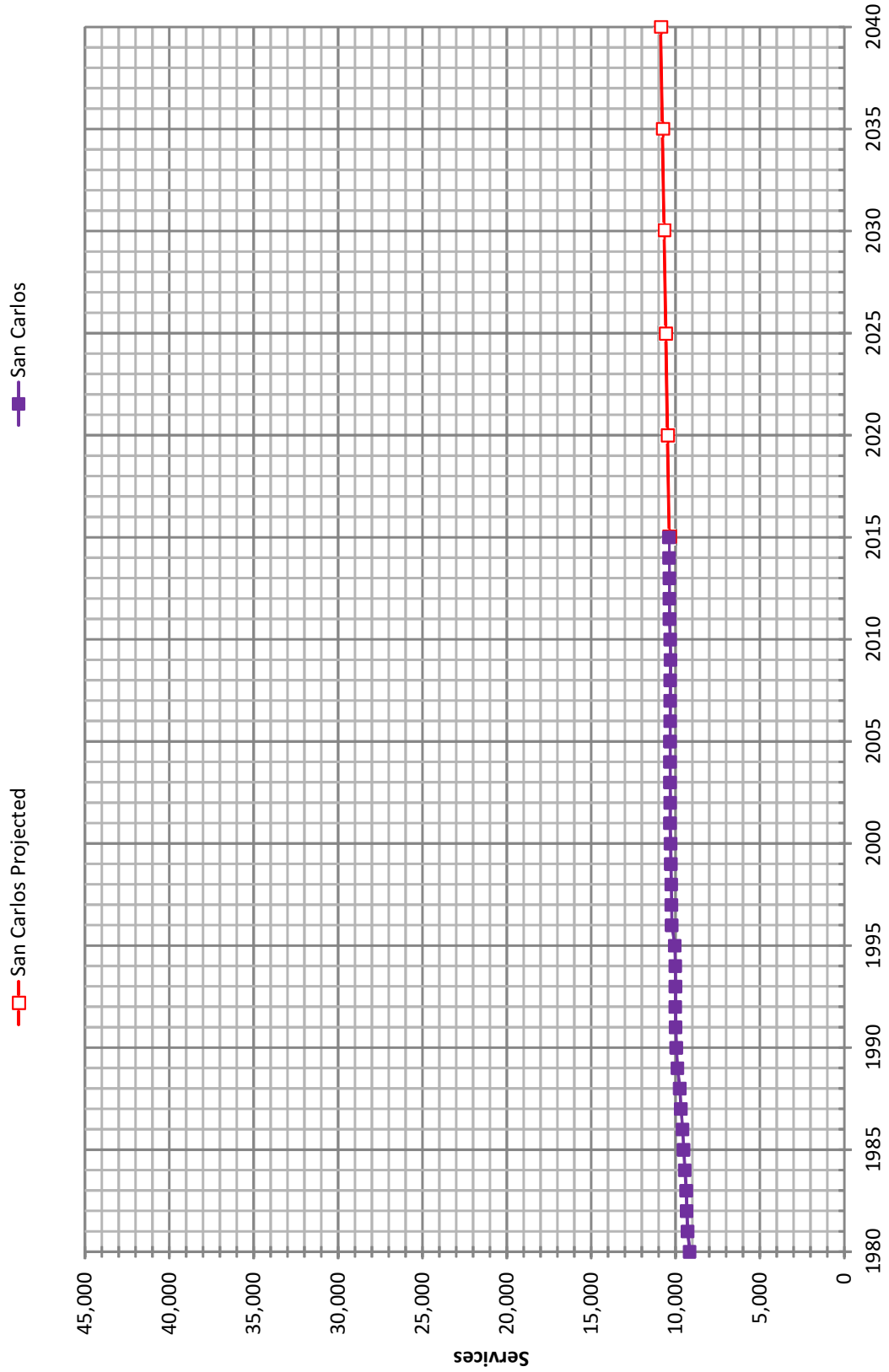
Thomas A. Salzano
Water Resource Planning Supervisor

Danilo Blanusa, P.E.
Senior Engineer
CALIFORNIA WATER SERVICE

TOT Cht-SC

Historical & Projected Services

□ San Carlos Projected   — San Carlos

TOT Cht-SC

8/14/2015

Serv Proj-SC

8/14/2015

California Water Service Company - Mid-Peninsula District (San Carlos)
Water Supply and Demand Analysis and Projections
Actual & Projected Annual Average Services

Customer Category		Selected Trend	Growth Rate	Actual Services			Base Year 2015	Projected Services					
				2000	2005	2010	2015	2015	2020	2025	2030	2035	2040
SFR	SFR_E	20 Yr. Avg.	0.17%	9,082	9,112	9,081	9,136	9,136	9,212	9,289	9,366	9,444	9,523
MFR	MFR_B	5 Yr. Avg.	1.57%	104	105	118	131	131	142	153	166	179	193
COM	COM_D	15 Yr. Avg.	0.17%	939	947	957	963	963	972	980	989	998	1,006
IND	IND_A	Zero Growth Rate	0.00%	90	87	84	84	84	84	84	84	84	84
GOV	GOV_E	20 Yr. Avg.	0.78%	60	57	67	66	66	69	71	74	77	80
OTH	OTH_A	Zero Growth Rate	0.00%	10	7	4	0	0	0	0	0	0	0
TOTAL	Average growth rate 2014-2040		0.19%	10,285	10,317	10,311	10,381	10,381	10,479	10,578	10,679	10,782	10,887

Notes:

Serv Proj-SC

California Water Service Company - Mid-Peninsula District (Combined)
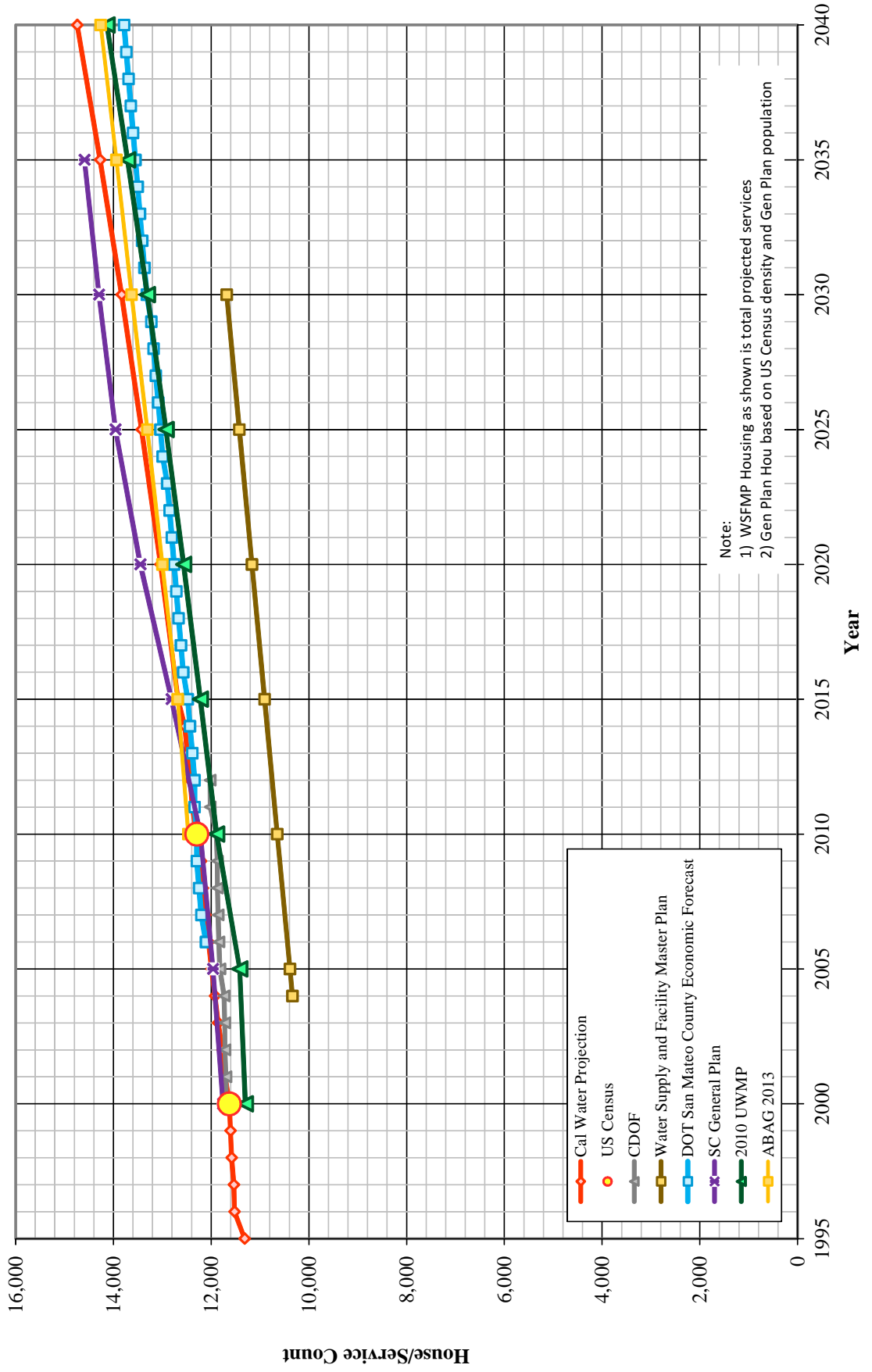## Water Supply and Demand Analysis and Projections

	US Census 2000 Summary				US Census 2010 Summary				2000-2010 Change		
System	Census Blocks	Population	Housing Units (HU)	Density	Census Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
San Mateo	825	93,187	37,837	2.46	883	97,874	39,749	2.46	5.0%	5.1%	0.0%
San Carlos	305	27,445	11,629	2.36	333	28,976	12,293	2.36	5.6%	5.7%	-0.1%
	1,130	120,632	49,466	2.44	1,216	126,850	52,042	2.44	5.2%	5.2%	-0.1%

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 centoid, 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 thought part of the block is within the selected objects.

HOU-sc

Housing Projections
(San Carlos)

Note:
1) WSFMP Housing as shown is total projected services
2) Gen Plan Hou based on US Census density and Gen Plan population

House/Service Count

Year

Legend:
- Cal Water Projection
- US Census
- CDOF
- Water Supply and Facility Master Plan
- DOT San Mateo County Economic Forecast
- SC General Plan
- 2010 UWMP
- ABAG 2013

POP-sc

Population Projections
(San Carlos)

Year

Population

Cal Water Projection	
US Census	
CDOF	
Water Supply and Facility Master Plan	
DOT San Mateo County Economic Forecast	
SC General Plan	
2010 UWMP	
ABAG 2013	

POP-sc

8/14/2015

California Water Service Company - Mid-Peninsula District (San Carlos)
Water Supply and Demand Analysis and Projections
Population Estimate

| | US Census | | | Single Family Residential | Multi Family Residential | | | Flat Rate |
| | | | Persons per | Residential | | Residential | Unit | Residential |
Year	Population	Housing Units	Housing Unit	Services (DU)	Services	Units (DU)	Density	Services (DU)
2000	27,445	11,629	2.360	9,082	104	2,547	24.5	0
2010	28,976	12,293	2.357	9,081	118	3,212	27.1	0
	5.6%	5.7%	-0.1%	0.0%	13.9%	26.1%	10.8%	0.0%

| | Single Family Residential | Multi Family Residential | | | Flat Rate | | | Estimated |
| | Residential | | Residential | Unit | Residential | Residential | Persons per | District |
Year	Services (DU)	Services	Units (DU)	Density	Services (DU)	Dwelling Units	Housing Unit	Population
1995	8,839	101	2,477	24.5	0	11,317	2.360	26,708
1996	9,025	102	2,498	24.5	0	11,522	2.360	27,194
1997	9,037	102	2,500	24.5	0	11,536	2.360	27,226
1998	9,055	103	2,526	24.5	0	11,581	2.360	27,332
1999	9,072	104	2,534	24.5	0	11,606	2.360	27,391
2000	9,082	104	2,547	24.5	0	11,629	2.360	27,445
2001	9,101	105	2,613	24.8	0	11,715	2.360	27,643
2002	9,089	105	2,680	25.5	0	11,769	2.359	27,769
2003	9,112	104	2,746	26.3	0	11,859	2.359	27,976
2004	9,109	105	2,813	26.8	0	11,922	2.359	28,123
2005	9,112	105	2,879	27.4	0	11,992	2.359	28,284
2006	9,109	104	2,946	28.3	0	12,055	2.358	28,430
2007	9,106	104	3,012	29.1	0	12,119	2.358	28,575
2008	9,095	111	3,079	27.8	0	12,174	2.358	28,702
2009	9,063	117	3,145	26.8	0	12,208	2.357	28,780
2010	9,081	118	3,212	27.1	0	12,293	2.357	28,976
2011	9,110	121	3,278	27.0	0	12,388	2.357	29,200
2012	9,120	123	3,309	27.0	0	12,429	2.357	29,297
2013	9,126	125	3,361	27.0	0	12,487	2.357	29,434
2014	9,137	126	3,401	27.0	0	12,538	2.357	29,554
2015	9,136	131	3,540	27.0	0	12,676	2.357	29,879
2020	9,212	142	3,826	27.0	0	13,038	2.357	30,732
2025	9,289	153	4,135	27.0	0	13,423	2.357	31,640
2030	9,366	166	4,468	27.0	0	13,835	2.357	32,610
2035	9,444	179	4,829	27.0	0	14,273	2.357	33,644
2040	9,523	193	5,219	27.0	0	14,742	2.357	34,748

ACTUAL <—|—>
PROJECTED <—|—>

From:	Blanusa, Danilo
Sent:	Wednesday, August 19, 2015 3:01 PM
To:	'Lisa Grote (lgrote@cityofsanmateo.org)'
Cc:	Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Carrasco, Anthony; Utz, Michael
Subject:	Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Mid-Peninsula District (SM)
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Tracking:	Recipient	Delivery
	'Lisa Grote (lgrote@cityofsanmateo.org)'	
	Salzano, Tom	Delivered: 8/19/2015 3:01 PM
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	Keck, Jonathan	Delivered: 8/19/2015 3:01 PM
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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
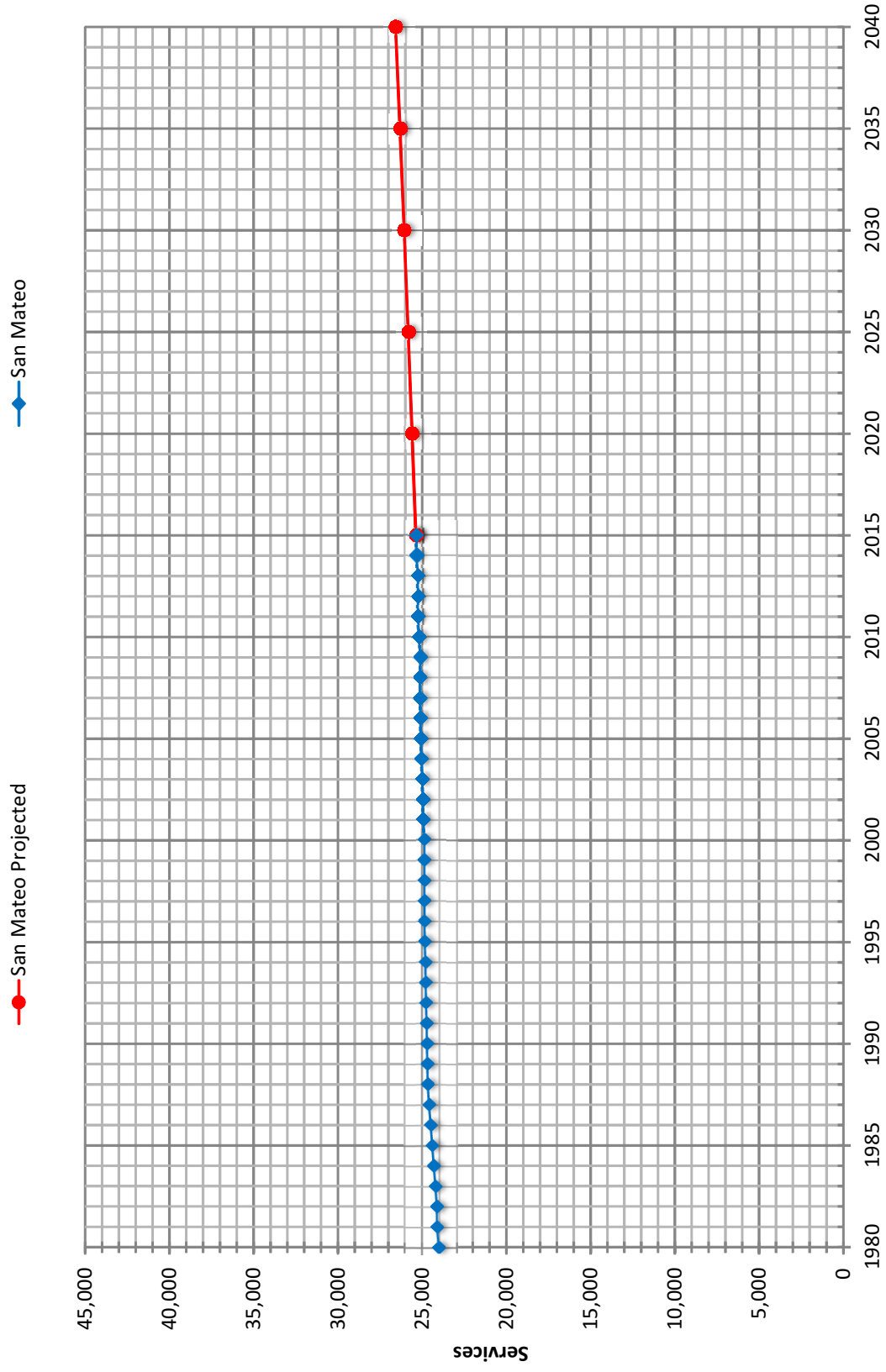
Thomas A. Salzano
Water Resource Planning Supervisor

Danilo Blanusa, P.E.
Senior Engineer
CALIFORNIA WATER SERVICE

TOT Cht-SM

8/14/2015

Historical & Projected Services

MPS PAWS 2014

TOT Cht-SM

Serv Proj-SM

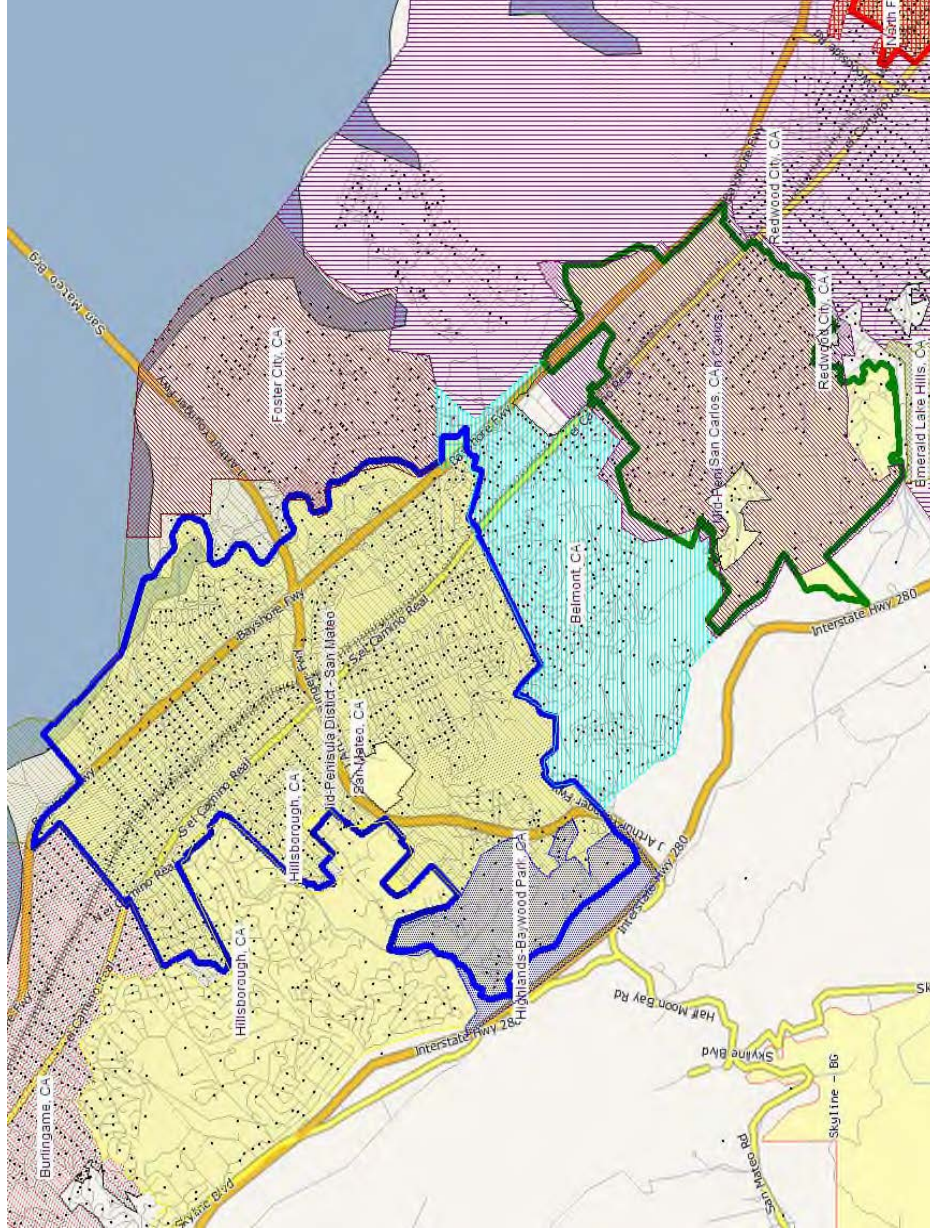**California Water Service Company - Mid-Peninsula District (San Mateo)**
Water Supply and Demand Analysis and Projections
Actual & Projected Annual Average Services

Worksheet 8

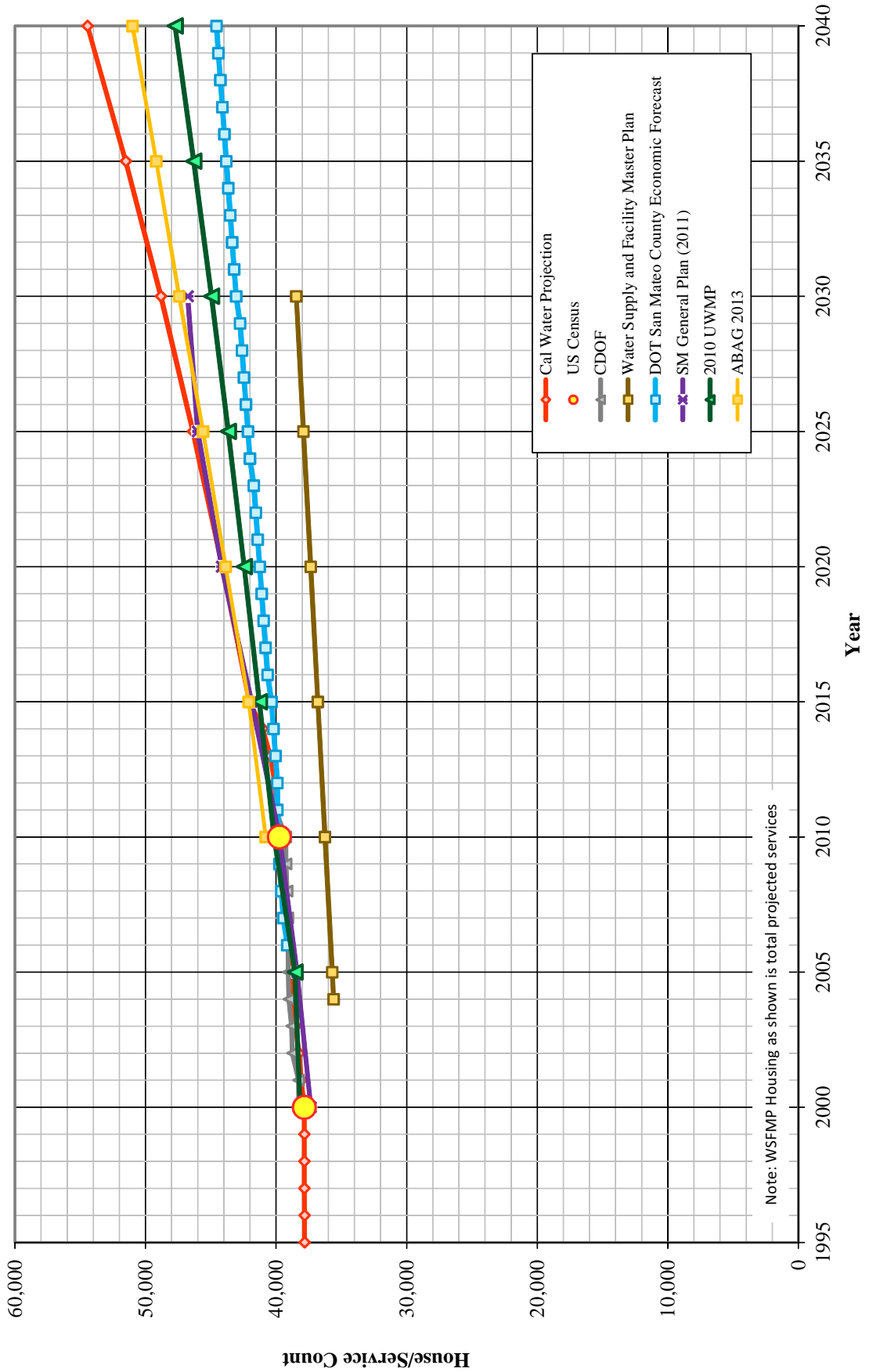| Customer Category	Selected Trend		Growth Rate	Actual Services			Base Year 2015	Projected Services						Total Increase
				2000	2005	2010	2015	2015	2020	2025	2030	2035	2040	
SFR	SFR_B	5 Yr. Avg.	0.12%	21,781	21,994	21,947	22,083	22,083	22,218	22,354	22,491	22,628	22,766	683
MFR	MFR_B	5 Yr. Avg.	1.87%	472	474	512	581	581	637	698	766	840	921	341
COM	COM_E	20 Yr. Avg.	0.17%	2,340	2,371	2,425	2,414	2,414	2,434	2,455	2,475	2,496	2,516	102
IND	IND_A	Zero Growth Rate	0.00%	10	11	9	9	9	9	9	9	9	9	0
GOV	GOV_C	10 Yr. Avg.	1.10%	255	221	266	244	244	258	273	288	304	321	77
OTH	OTH_A	Zero Growth Rate	0.00%	9	17	24	42	42	42	42	42	42	42	0
TOTAL	Average growth rate 2014-2040		0.19%	24,867	25,087	25,183	25,373	25,373	25,598	25,831	26,071	26,319	26,577	1,204

Notes:

California Water Service Company - Mid-Peninsula District (Combined)
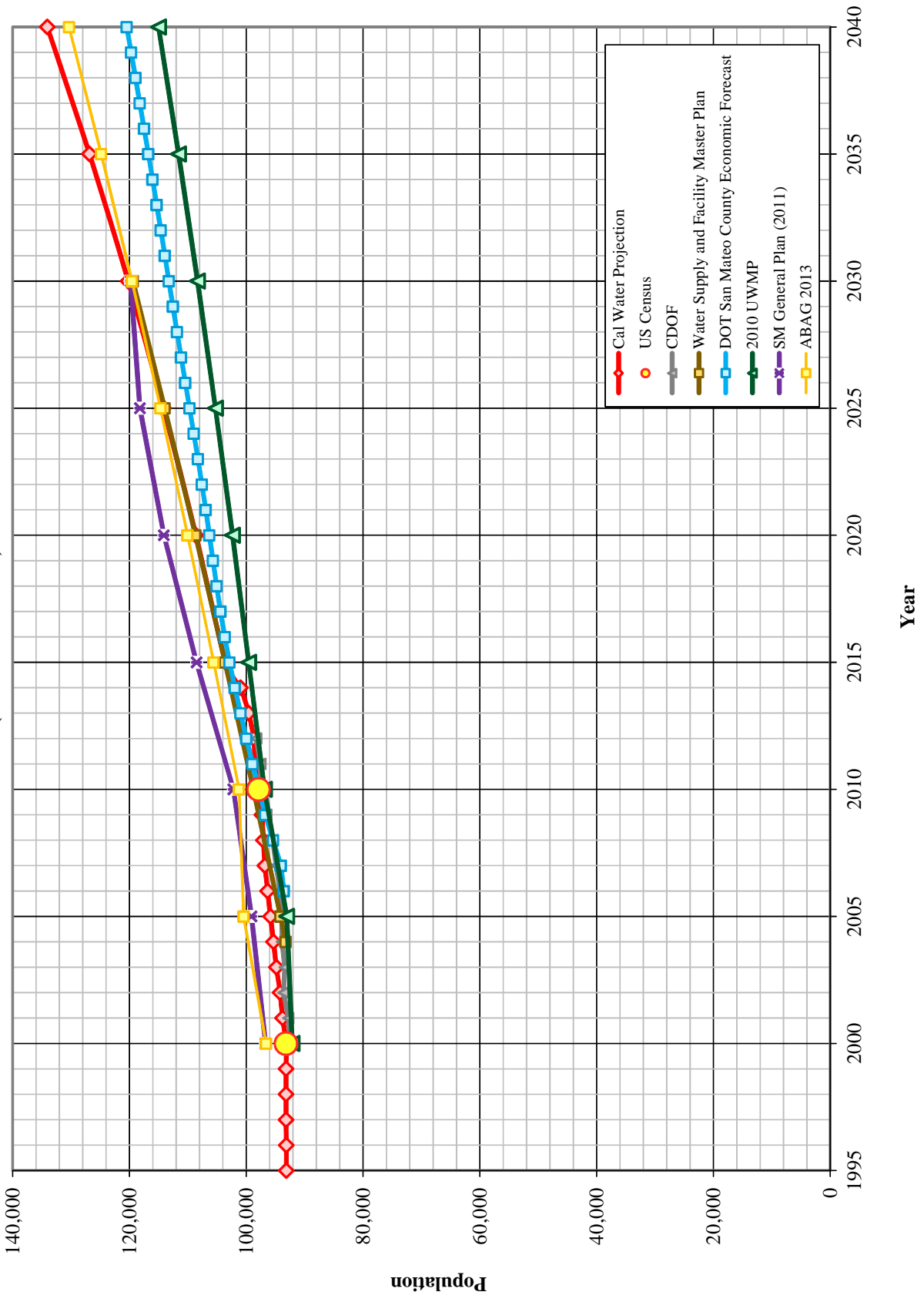## Water Supply and Demand Analysis and Projections

	US Census 2000 Summary				US Census 2010 Summary				2000-2010 Change		
System	Census Blocks	Population	Housing Units (HU)	Density	Census Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
San Mateo	825	93,187	37,837	2.46	883	97,874	39,749	2.46	5.0%	5.1%	0.0%
San Carlos	305	27,445	11,629	2.36	333	28,976	12,293	2.36	5.6%	5.7%	-0.1%
	1,130	120,632	49,466	2.44	1,216	126,850	52,042	2.44	5.2%	5.2%	-0.1%

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 centoid, 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 thought part of the block is within the selected objects.

Housing Projections
(San Mateo)

Note: WSFMP Housing as shown is total projected services

Legend:
- Cal Water Projection
- US Census
- CDOF
- Water Supply and Facility Master Plan
- DOT San Mateo County Economic Forecast
- SM General Plan (2011)
- 2010 UWMP
- ABAG 2013

X-axis: **Year**

Y-axis: **House/Service Count**

POP-sm

Population Projections
(San Mateo)

Year

Legend:
- Cal Water Projection
- US Census
- CDOF
- Water Supply and Facility Master Plan
- DOT San Mateo County Economic Forecast
- 2010 UWMP
- SM General Plan (2011)
- ABAG 2013

MPS PAWS 2014

POP-sm

8/14/2015

California Water Service Company - Mid-Peninsula District (San Mateo)
Water Supply and Demand Analysis and Projections
Population Estimate

	US Census		Persons per Housing Unit	Single Family Residential Services (DU)	Multi Family Residential			Flat Rate Residential Services (DU)
Year	Population	Housing Units			Services	Residential Units (DU)	Unit Density	
2000	93,187	37,837	2.463	21,781	472	16,056	34.0	0
2010	97,874	39,749	2.462	21,947	512	17,802	34.8	0
	5.0%	5.1%	0.0%	0.8%	8.4%	10.9%	2.2%	0.0%

	Single Family Residential Services (DU)	Multi Family Residential			Flat Rate Residential Services (DU)	Residential Dwelling Units	Persons per Housing Unit	Estimated District Population
Year		Services	Residential Units (DU)	Unit Density				
1995	21,769	472	16,047	34.0	0	37,816	2.463	93,136
1996	21,785	471	16,030	34.0	0	37,816	2.463	93,135
1997	21,781	472	16,056	34.0	0	37,837	2.463	93,187
1998	21,781	472	16,056	34.0	0	37,837	2.463	93,187
1999	21,781	472	16,056	34.0	0	37,837	2.463	93,187
2000	21,781	472	16,056	34.0	0	37,837	2.463	93,187
2001	21,842	478	16,231	34.0	0	38,073	2.463	93,765
2002	21,844	476	16,405	34.5	0	38,249	2.463	94,199
2003	21,931	472	16,580	35.1	0	38,511	2.463	94,840
2004	21,955	474	16,754	35.4	0	38,710	2.463	95,328
2005	21,994	474	16,929	35.7	0	38,923	2.463	95,851
2006	22,018	469	17,104	36.5	0	39,122	2.463	96,338
2007	22,033	467	17,278	37.0	0	39,311	2.462	96,802
2008	21,965	489	17,453	35.7	0	39,418	2.462	97,064
2009	21,892	510	17,627	34.5	0	39,519	2.462	97,311
2010	21,947	512	17,802	34.8	0	39,749	2.462	97,874
2011	22,019	523	17,977	34.4	0	39,995	2.462	98,480
2012	22,025	526	18,075	34.4	0	40,101	2.462	98,740
2013	22,044	535	18,407	34.4	0	40,451	2.462	99,603
2014	22,074	551	18,947	34.4	0	41,020	2.462	101,004
2015	22,083	581	19,962	34.4	0	42,045	2.462	103,527
2020	22,218	637	21,894	34.4	0	44,112	2.462	108,617
2025	22,354	698	24,013	34.4	0	46,367	2.462	114,169
2030	22,491	766	26,337	34.4	0	48,828	2.462	120,229
2035	22,628	840	28,887	34.4	0	51,515	2.462	126,845
2040	22,766	921	31,683	34.4	0	54,449	2.462	134,070

< — ACTUAL
|
v — PROJECTED

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|
v — PROJECTED

Blanusa, Danilo

Dear Mr. Maltbie,

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 Mid-Peninsula District provides water service to the County of San Mateo.

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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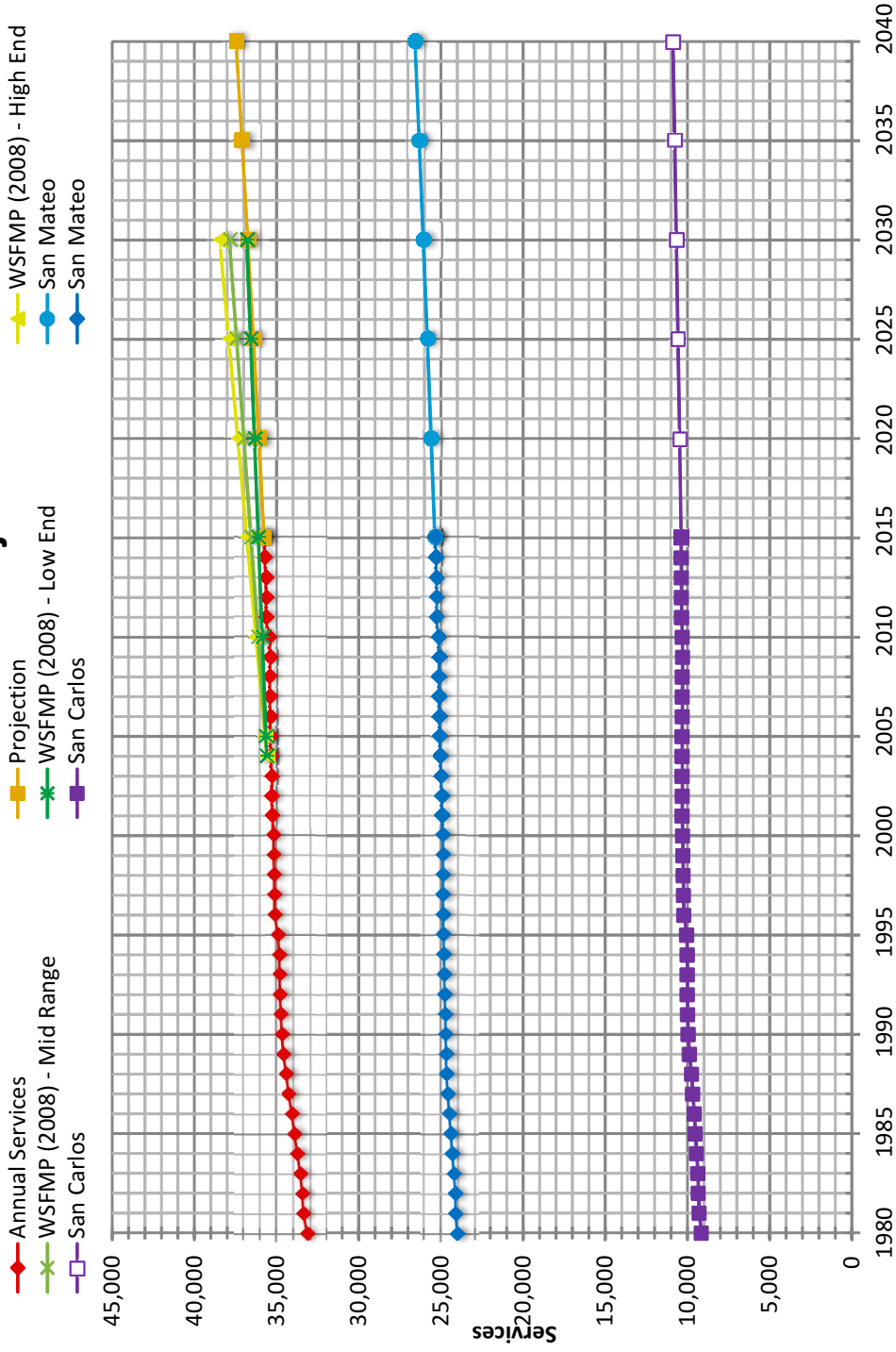
TOT Cht

Historical & Projected Services

Legend:
- Annual Services
- WSFMP (2008) - Mid Range
- San Carlos
- Projection
- WSFMP (2008) - Low End
- San Carlos
- WSFMP (2008) - High End
- San Mateo
- San Mateo

TOT Cht

8/19/2015

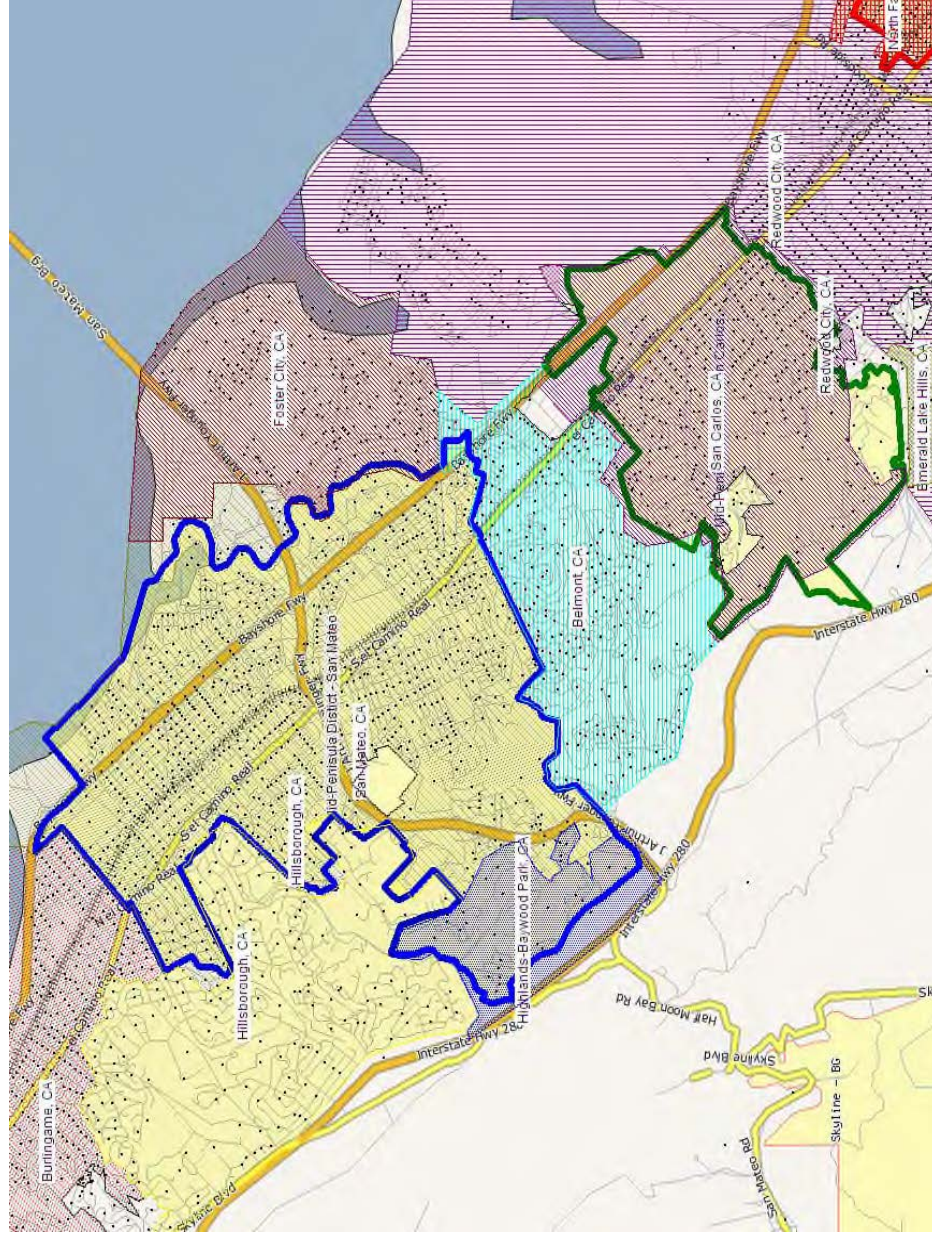**California Water Service Company - Mid-Peninsula District (Combined)**
Water Supply and Demand Analysis and Projections
Actual & Projected Annual Average Services

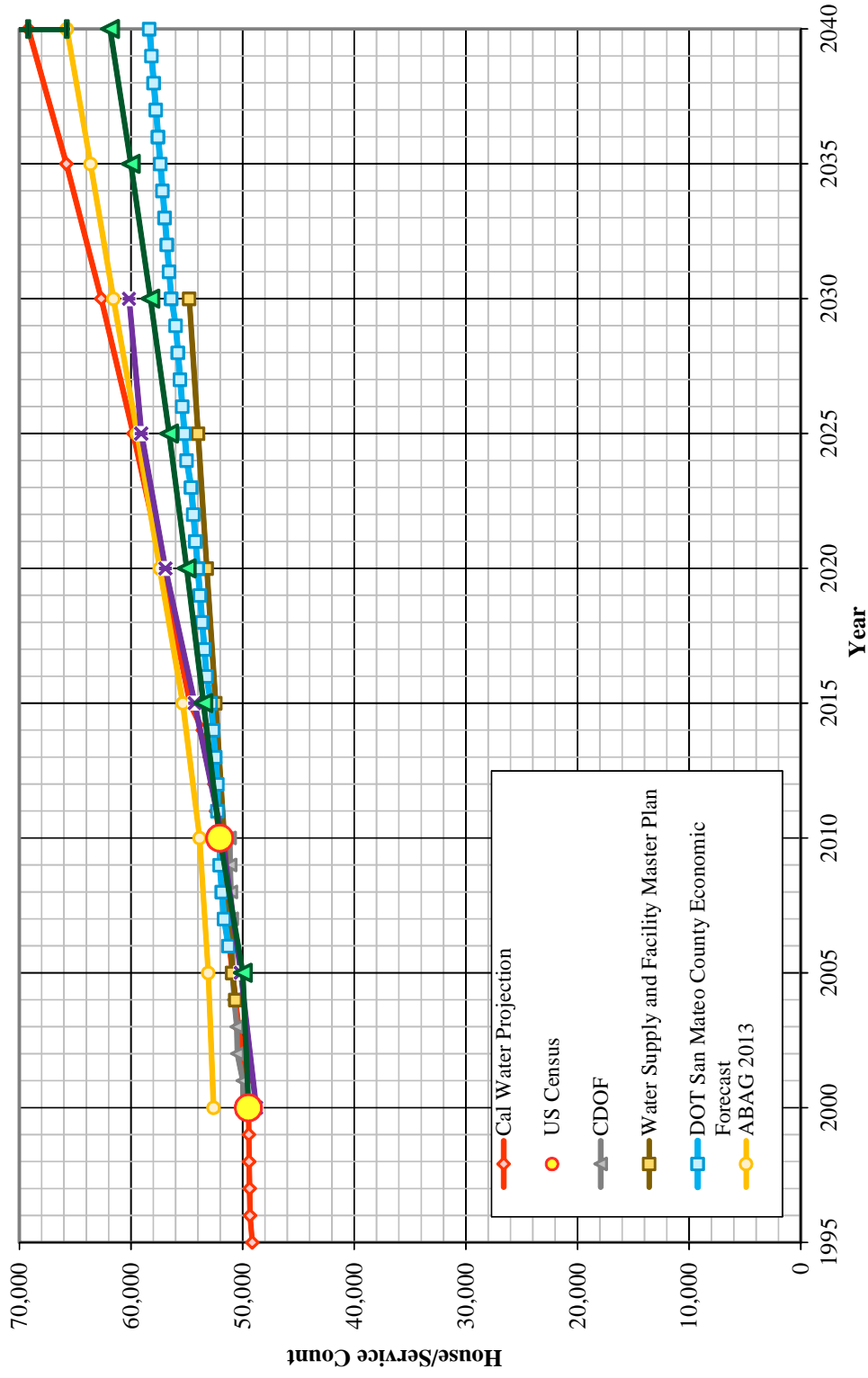| Customer Category	Selected Trend	Average Growth Rate	Actual Services			Base Year 2015	Projected Services					
			2000	2005	2010	2015	2015	2020	2025	2030	2035	2040
SFR		0.13%	30,863	31,107	31,028	31,219	31,219	31,430	31,643	31,857	32,072	32,289
MFR		1.81%	576	579	630	712	712	778	852	931	1,019	1,115
COM		0.17%	3,279	3,318	3,382	3,378	3,378	3,406	3,435	3,464	3,493	3,523
IND		0.00%	100	98	93	94	94	94	94	94	94	94
GOV		1.04%	315	278	333	310	310	327	344	362	381	402
OTH		0.00%	19	24	28	42	42	42	42	42	42	42
TOTAL	Average growth rate 2014-2040	0.19%	35,152	35,404	35,494	35,754	35,754	36,077	36,409	36,750	37,101	37,464

Notes:

California Water Service Company - Mid-Peninsula District (Combined)
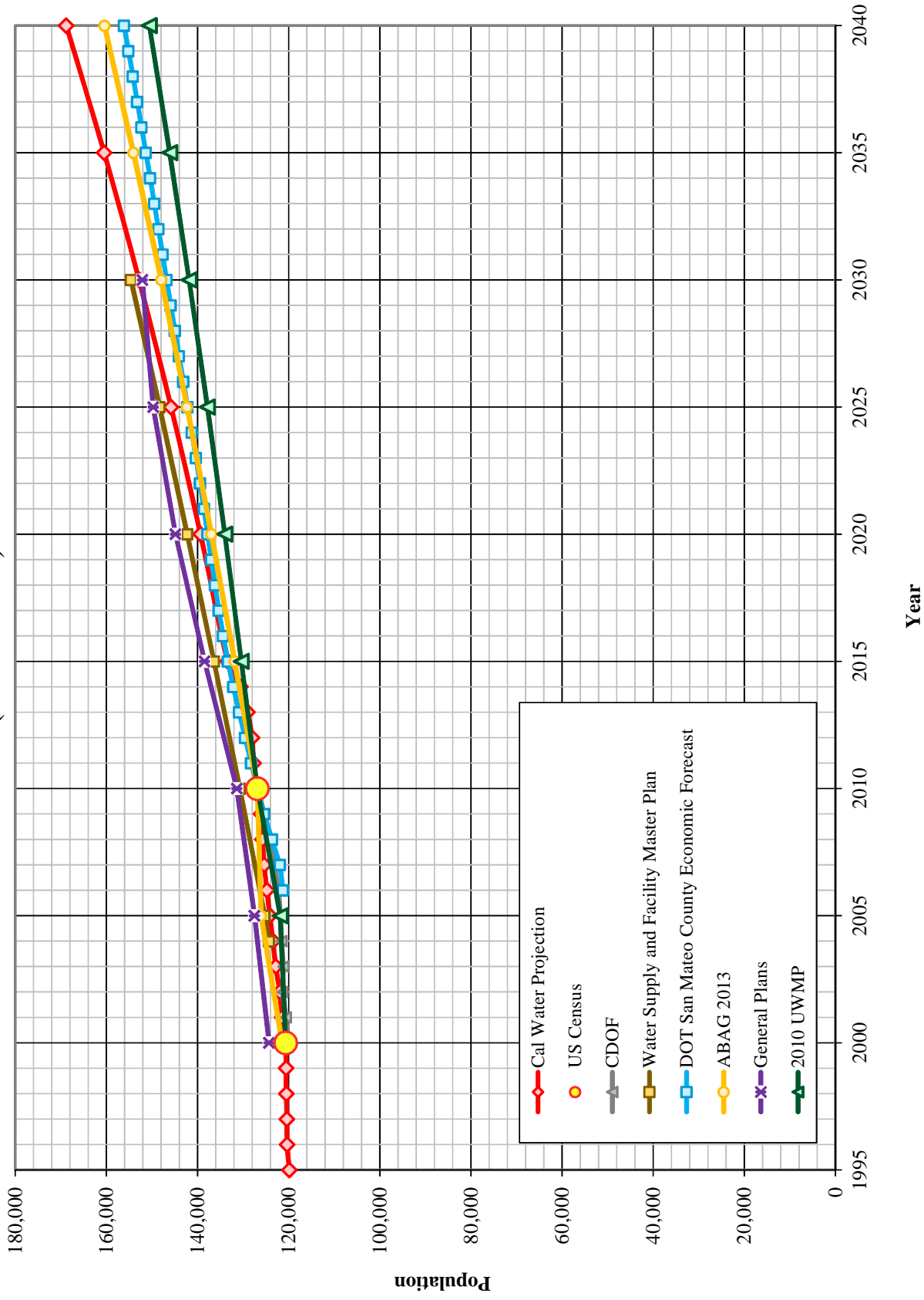## Water Supply and Demand Analysis and Projections

8/19/2015

	US Census 2000 Summary				US Census 2010 Summary				2000-2010 Change		
System	Census Blocks	Population	Housing Units (HU)	Density	Census Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
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San Carlos	305	27,445	11,629	2.36	333	28,976	12,293	2.36	5.6%	5.7%	-0.1%
	1,130	120,632	49,466	2.44	1,216	126,850	52,042	2.44	5.2%	5.2%	-0.1%

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 centoid, 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 thought part of the block is within the selected objects.

Housing Projections (Combined)

Year

House/Service Count

Legend:
- Cal Water Projection
- US Census
- CDOF
- Water Supply and Facility Master Plan
- DOT San Mateo County Economic Forecast
- ABAG 2013

POP-comb

Population Projections (Combined)

Year

Population

Legend:
- Cal Water Projection
- US Census
- CDOF
- Water Supply and Facility Master Plan
- DOT San Mateo County Economic Forecast
- ABAG 2013
- General Plans
- 2010 UWMP

MPS PAWS 2014

POP-comb

8/19/2015

California Water Service Company - Mid-Peninsula District (Combined)
Water Supply and Demand Analysis and Projections
Population Estimate

	US Census			Single Family Residential	Multi Family Residential			Flat Rate Residential
Year	Population	Housing Units	Persons per Housing Unit	Services (DU)	Services	Residential Units (DU)	Unit Density	Services (DU)
2000	120,632	49,466	2.439	30,863	576	18,603	32.3	0
2010	126,850	52,042	2.437	31,028	630	21,014	33.3	0
	5.2%	5.2%	-0.1%	0.5%	9.4%	13.0%	3.2%	0.0%

Year	Single Family Residential Services (DU)	Multi Family Residential Services	Multi Family Residential Residential Units (DU)	Multi Family Residential Unit Density	Flat Rate Residential Services (DU)	Residential Dwelling Units	Persons per Housing Unit	Estimated District Population
1995	30,608	573	18,525	32.3	0	49,133	2.439	119,844
1996	30,810	573	18,528	32.3	0	49,338	2.439	120,328
1997	30,818	574	18,556	32.3	0	49,373	2.439	120,413
1998	30,836	575	18,582	32.3	0	49,418	2.439	120,519
1999	30,853	576	18,590	32.3	0	49,443	2.439	120,578
2000	30,863	576	18,603	32.3	0	49,466	2.439	120,632
2001	30,943	583	18,844	32.3	0	49,787	2.439	121,408
2002	30,934	581	19,085	32.8	0	50,018	2.438	121,967
2003	31,043	577	19,326	33.5	0	50,369	2.438	122,817
2004	31,065	579	19,567	33.8	0	50,632	2.438	123,451
2005	31,107	579	19,808	34.2	0	50,915	2.438	124,135
2006	31,128	573	20,049	35.0	0	51,177	2.438	124,768
2007	31,139	571	20,291	35.6	0	51,430	2.438	125,378
2008	31,060	600	20,532	34.2	0	51,592	2.438	125,766
2009	30,955	628	20,773	33.1	0	51,728	2.438	126,091
2010	31,028	630	21,014	33.3	0	52,042	2.437	126,850
2011	31,128	644	21,255	33.0	0	52,383	2.437	127,681
2012	31,146	648	21,384	33.0	0	52,530	2.437	128,037
2013	31,170	660	21,768	33.0	0	52,938	2.437	129,037
2014	31,211	677	22,348	33.0	0	53,559	2.438	130,559
2015	31,219	712	23,502	33.0	0	54,721	2.438	133,405
2020	31,430	778	25,720	33.0	0	57,150	2.438	139,348
2025	31,643	852	28,148	33.1	0	59,790	2.439	145,810
2030	31,857	931	30,806	33.1	0	62,662	2.439	152,839
2035	32,072	1,019	33,716	33.1	0	65,788	2.439	160,489
2040	32,289	1,115	36,902	33.1	0	69,191	2.440	168,818

ACTUAL ∧ | ∨
PROJECTED ∧ | ∨

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.