

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 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,

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

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 11:05 AM
To: 'John Maltbie (jmaltrie@smcgov.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 - South San Francisco District
Attachments: Letter to City Planning Officials - Attachmet - SSF.pdf

| Tracking: | Recipient | Delivery |
|------------------|--------------------------------------|-------------------------------|
| | 'John Maltbie (jmaltrie@smcgov.org)' | |
| | Salzano, Tom | Delivered: 8/19/2015 11:05 AM |
| | Bolzowski, Michael R. | Delivered: 8/19/2015 11:05 AM |
| | Keck, Jonathan | Delivered: 8/19/2015 11:05 AM |
| | Carrasco, Anthony | Delivered: 8/19/2015 11:05 AM |
| | Utz, Michael | Delivered: 8/19/2015 11:05 AM |

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 South San Francisco 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.
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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

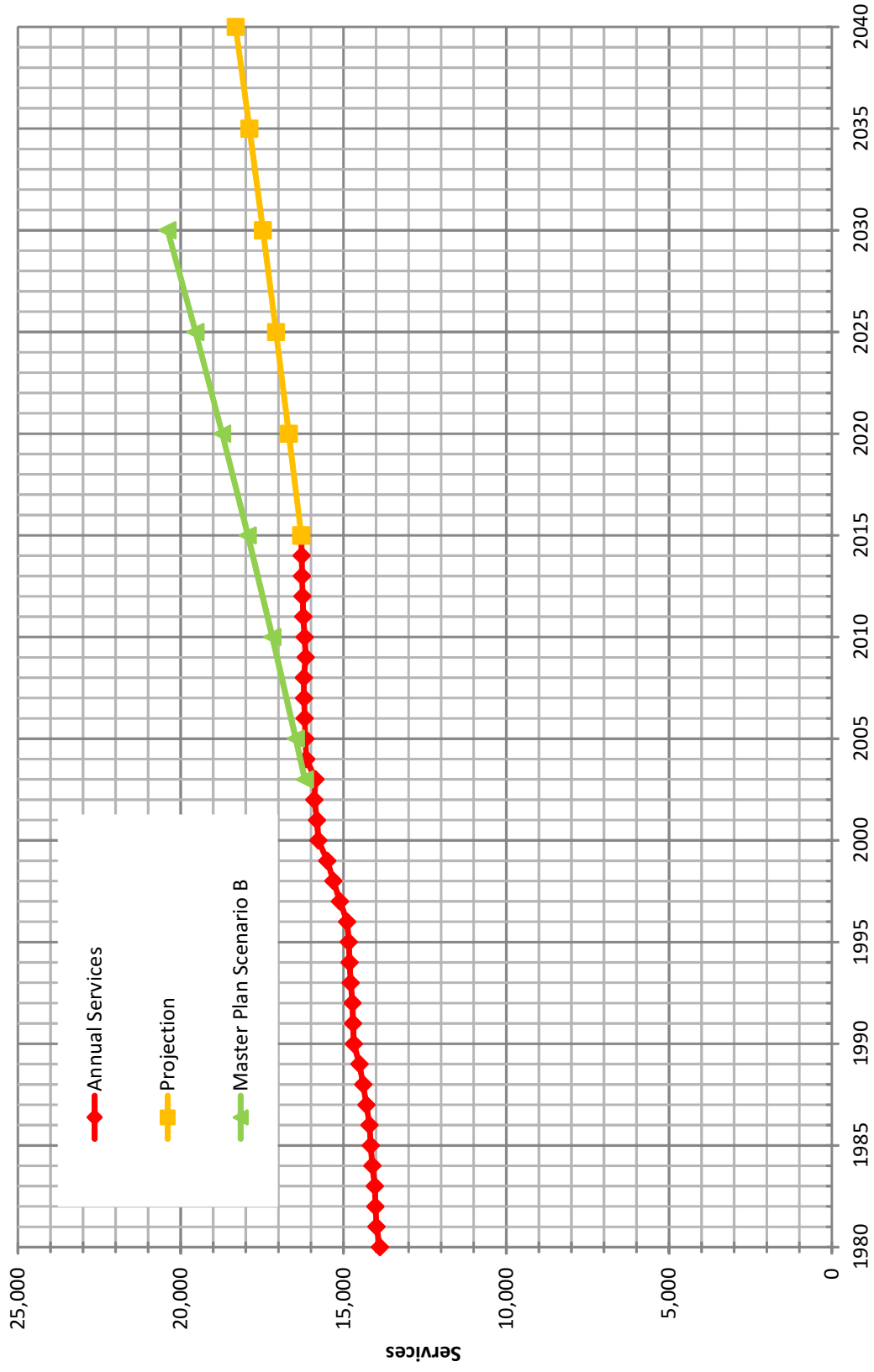
Danilo Blanusa, P.E.
Senior Engineer
CALIFORNIA WATER SERVICE

408-367-8387



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calwater.com

Historical & Projected Services



California Water Service Company - South San Francisco District

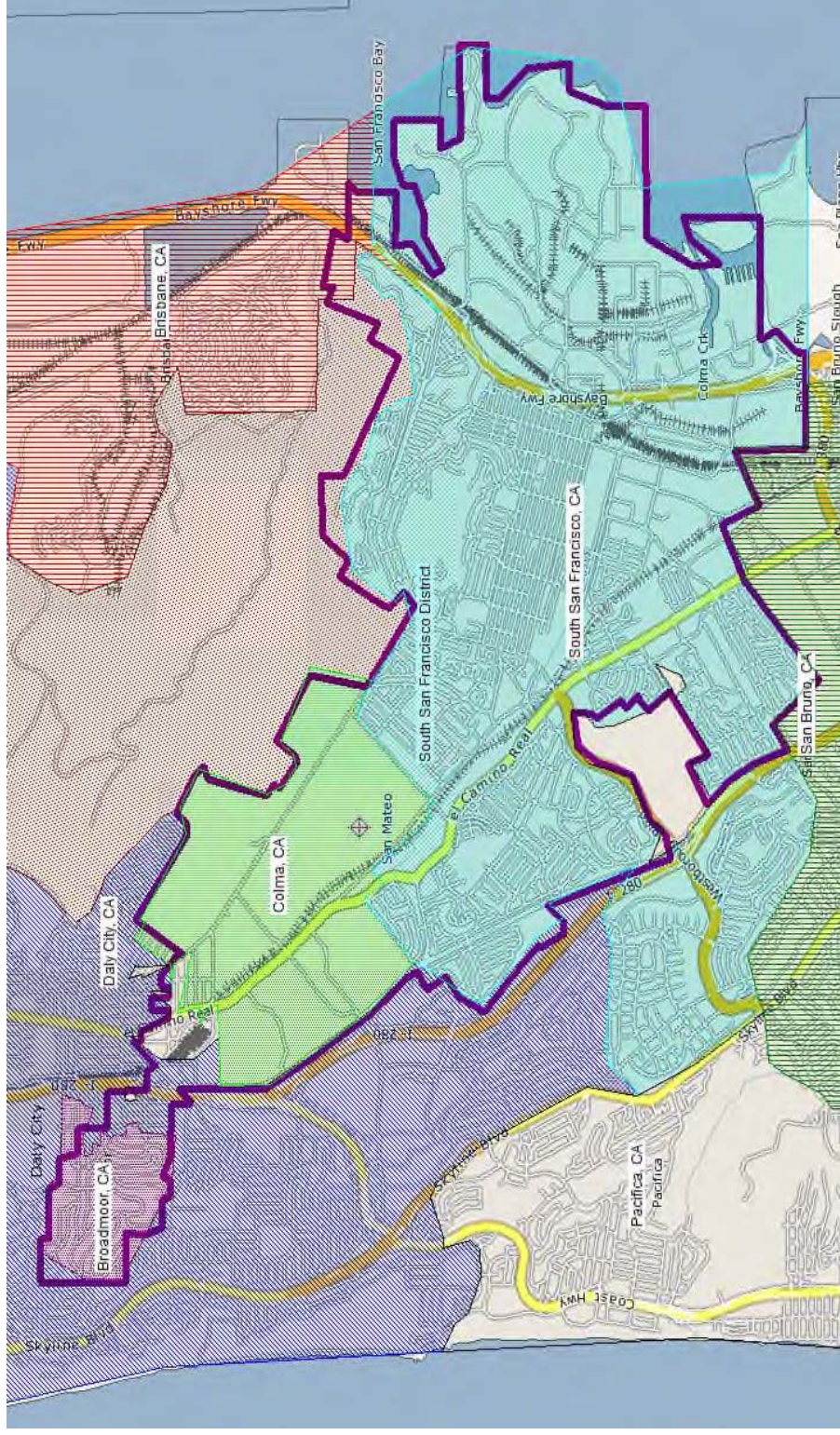
Water Supply and Demand Analysis and Projection:

Actual & Projected Annual Average Services

| Customer Category | Selected Trend | Growth Rate | Actual Services | | | | | Projected Services | | | | | | | |
|-------------------|--------------------------------------|--------------|-----------------|---------------|---------------|----------------|---------------|--------------------|---------------|---------------|---------------|---------------|--|--|--|
| | | | 2000 | 2005 | 2010 | Base Year 2015 | 2015 | 2020 | 2025 | 2030 | 2035 | 2040 | | | |
| SFR | SFR_E 20 Yr. Avg. | 0.49% | 13,450 | 13,829 | 13,840 | 13,949 | 13,949 | 14,291 | 14,642 | 15,002 | 15,370 | 15,748 | | | |
| MFR | MFR_B 5 Yr. Avg. | 1.13% | 151 | 151 | 152 | 167 | 167 | 176 | 187 | 197 | 209 | 221 | | | |
| COM | COM_D 15 Yr. Avg. | 0.30% | 1,815 | 1,879 | 1,911 | 1,898 | 1,898 | 1,926 | 1,955 | 1,984 | 2,014 | 2,044 | | | |
| IND | IND_E 20 Yr. Avg. | 1.00% | 74 | 68 | 61 | 54 | 54 | 57 | 60 | 63 | 66 | 70 | | | |
| GOV | GOV_A Zero Growth Rate | 0.00% | 218 | 221 | 218 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | | | |
| OTH | OTH_A Zero Growth Rate | 0.00% | 62 | 24 | 13 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | | | |
| TOTAL | Average growth rate 2012-2040 | 0.47% | 15,771 | 16,171 | 16,194 | 16,295 | 16,295 | 16,679 | 17,072 | 17,474 | 17,887 | 18,310 | | | |

Notes:

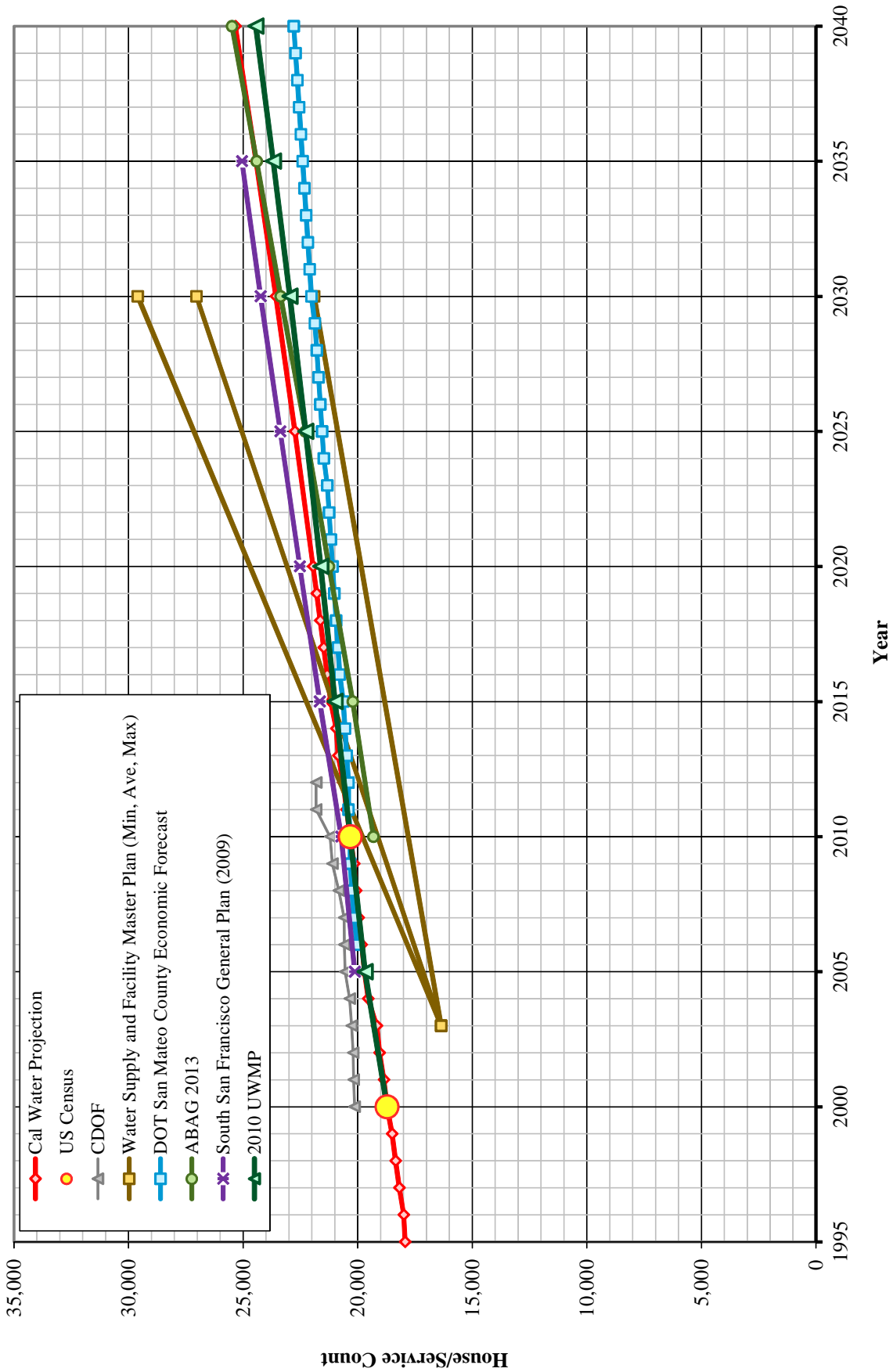
California Water Service Company - South San Francisco District
Water Supply and Demand Analysis and Projections
Marplot Summary



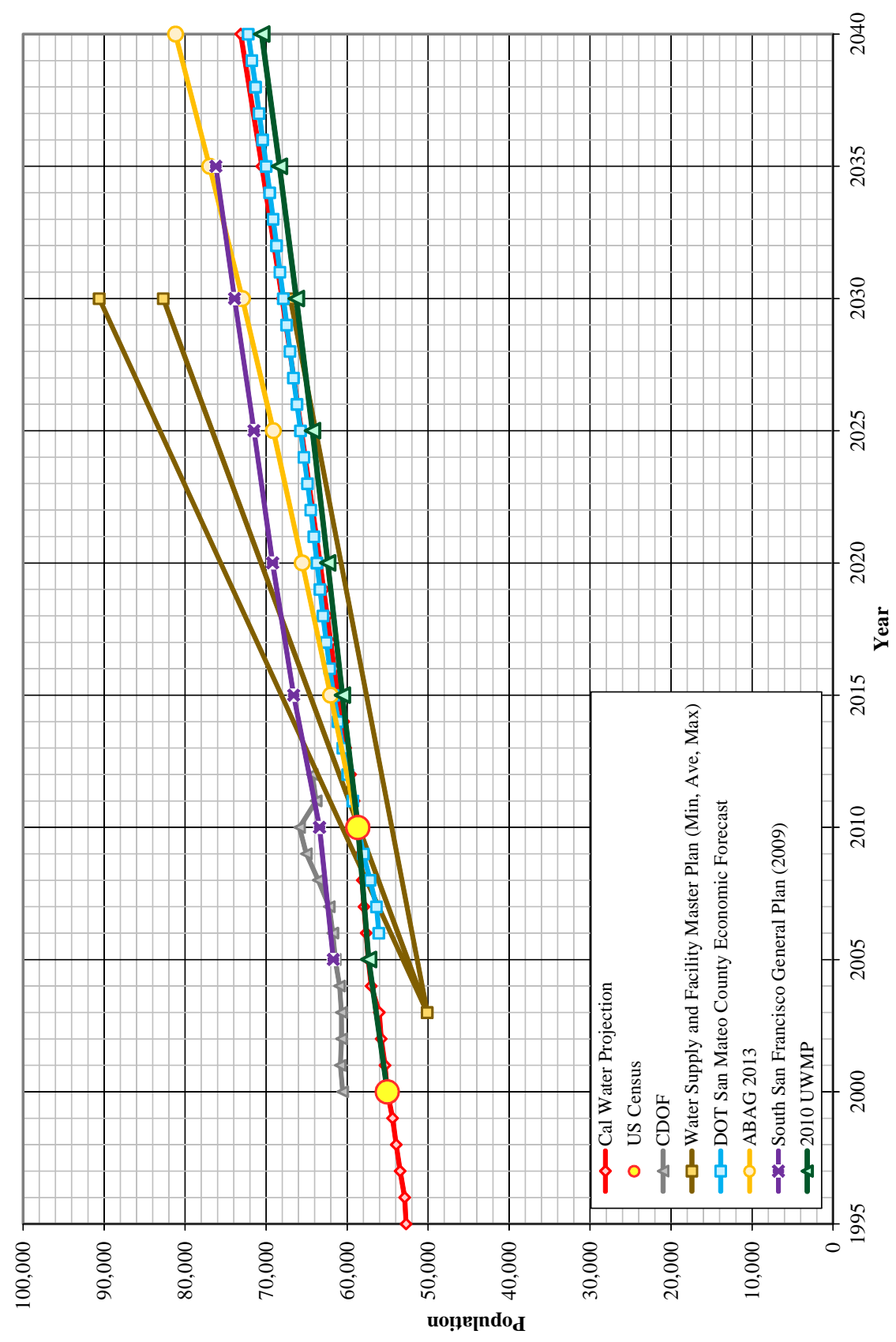
| System | US Census 2000 Summary | | | US Census 2010 Summary | | | 2000-2010 Change | | | |
|---------------------|------------------------|--------------------|---------|------------------------|------------|--------------------|------------------|-------------------|----------------------|----------------|
| | Census Blocks | Housing Units (HU) | Density | Census Blocks | Population | Housing Units (HU) | Density | Population Change | Percentage HU Change | Density Change |
| South San Francisco | 458 | 55,024 | 2.94 | 510 | 58,658 | 20,324 | 2.89 | 6.6% | 8.6% | -1.8% |
| | 458 | 55,024 | 2.94 | 510 | 58,658 | 20,324 | 2.89 | 106.6% | 108.6% | 98.2% |

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 - South San Francisco 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) | Services | Residential Units (DU) | Unit Density | |
| 2000 | 55,024 | 18,716 | 2.940 | 13,450 | 151 | 5,266 | 34.9 | 0 |
| 2010 | 58,658 | 20,324 | 2.886 | 13,840 | 152 | 6,484 | 42.8 | 0 |
| | 6.6% | 8.6% | -1.8% | 2.9% | 0.4% | 23.1% | 22.6% | 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 | Residential Units (DU) | Unit Density | | | | |
| 1995 | 12,661 | 151 | 5,272 | 34.9 | 0 | 17,934 | 2.940 | 52,724 |
| 1996 | 12,716 | 151 | 5,272 | 34.9 | 0 | 17,989 | 2.940 | 52,885 |
| 1997 | 12,911 | 151 | 5,272 | 34.9 | 0 | 18,183 | 2.940 | 53,456 |
| 1998 | 13,078 | 151 | 5,269 | 34.9 | 0 | 18,347 | 2.940 | 53,939 |
| 1999 | 13,227 | 151 | 5,272 | 34.9 | 0 | 18,499 | 2.940 | 54,386 |
| 2000 | 13,450 | 151 | 5,266 | 34.9 | 0 | 18,716 | 2.940 | 55,024 |
| 2001 | 13,465 | 151 | 5,388 | 35.7 | 0 | 18,853 | 2.935 | 55,326 |
| 2002 | 13,534 | 151 | 5,510 | 36.5 | 0 | 19,044 | 2.929 | 55,784 |
| 2003 | 13,532 | 150 | 5,632 | 37.4 | 0 | 19,164 | 2.924 | 56,031 |
| 2004 | 13,787 | 151 | 5,753 | 38.1 | 0 | 19,541 | 2.918 | 57,028 |
| 2005 | 13,829 | 151 | 5,875 | 38.9 | 0 | 19,704 | 2.913 | 57,398 |
| 2006 | 13,829 | 151 | 5,997 | 39.7 | 0 | 19,826 | 2.908 | 57,646 |
| 2007 | 13,838 | 151 | 6,119 | 40.5 | 0 | 19,957 | 2.902 | 57,920 |
| 2008 | 13,826 | 152 | 6,241 | 41.1 | 0 | 20,066 | 2.897 | 58,130 |
| 2009 | 13,795 | 152 | 6,362 | 41.8 | 0 | 20,158 | 2.892 | 58,286 |
| 2010 | 13,840 | 152 | 6,484 | 42.8 | 0 | 20,324 | 2.886 | 58,658 |
| 2011 | 13,888 | 152 | 6,606 | 43.4 | 0 | 20,494 | 2.886 | 59,147 |
| 2012 | 13,910 | 155 | 6,729 | 43.4 | 0 | 20,639 | 2.886 | 59,567 |
| 2013 | 13,928 | 159 | 6,921 | 43.4 | 0 | 20,849 | 2.886 | 60,172 |
| 2014 | 13,938 | 161 | 6,997 | 43.4 | 0 | 20,935 | 2.886 | 60,421 |
| 2015 | 13,949 | 167 | 7,235 | 43.4 | 0 | 21,184 | 2.886 | 61,140 |
| 2016 | 14,016 | 169 | 7,317 | 43.4 | 0 | 21,334 | 2.886 | 61,572 |
| 2017 | 14,085 | 170 | 7,400 | 43.4 | 0 | 21,485 | 2.886 | 62,008 |
| 2018 | 14,153 | 172 | 7,484 | 43.4 | 0 | 21,637 | 2.886 | 62,448 |
| 2019 | 14,222 | 174 | 7,569 | 43.4 | 0 | 21,791 | 2.886 | 62,892 |
| 2020 | 14,291 | 176 | 7,655 | 43.4 | 0 | 21,946 | 2.886 | 63,339 |
| 2025 | 14,642 | 187 | 8,098 | 43.4 | 0 | 22,741 | 2.886 | 65,633 |
| 2030 | 15,002 | 197 | 8,568 | 43.4 | 0 | 23,570 | 2.886 | 68,026 |
| 2035 | 15,370 | 209 | 9,065 | 43.4 | 0 | 24,435 | 2.886 | 70,523 |
| 2040 | 15,748 | 221 | 9,590 | 43.4 | 0 | 25,338 | 2.886 | 73,129 |

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.

ACTUAL PROJECTED
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ACTUAL PROJECTED

Blanusa, Danilo

From: Blanusa, Danilo
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Water Resource Planning Supervisor

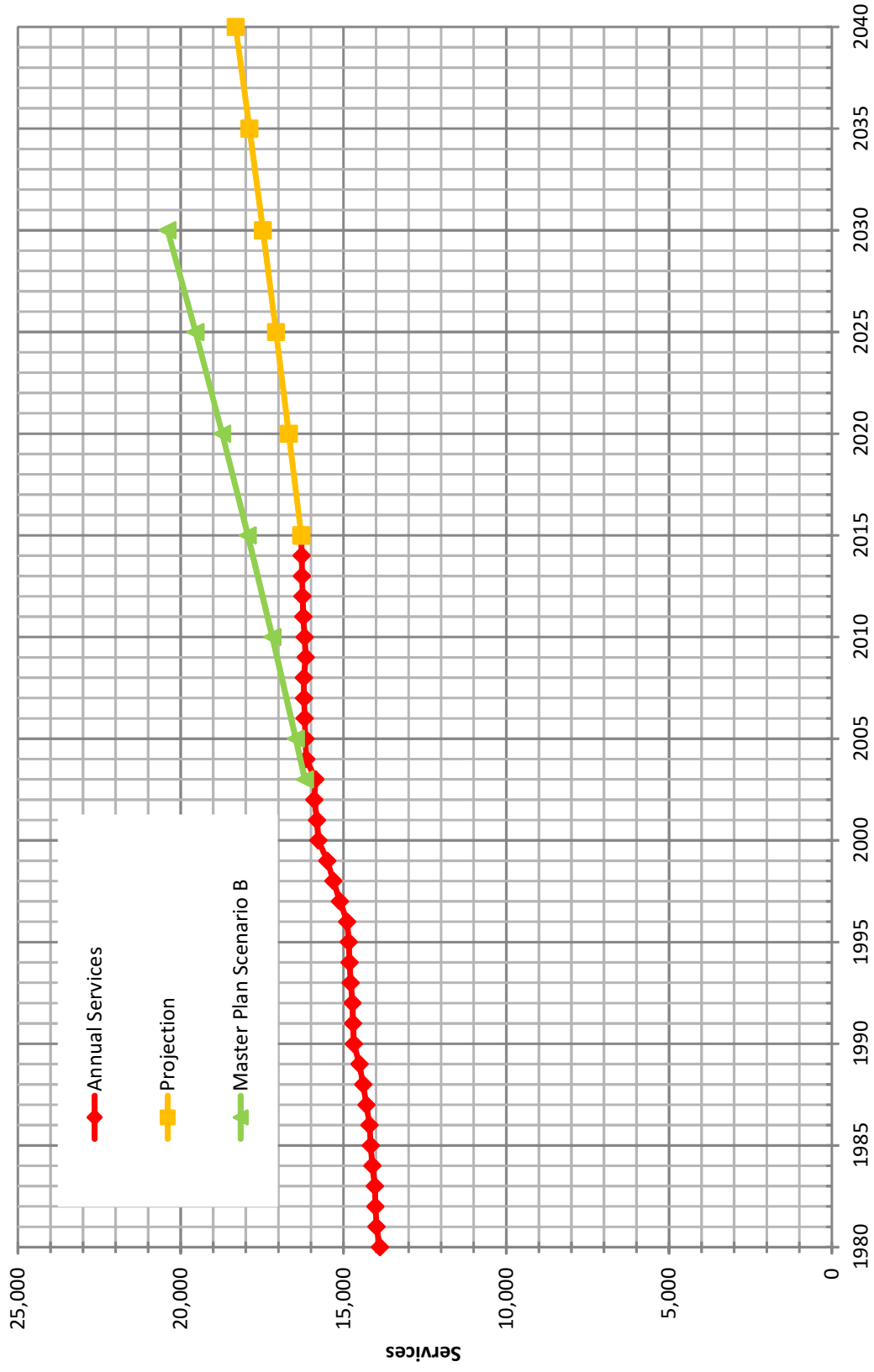
Danilo Blanusa, P.E.
Senior Engineer
CALIFORNIA WATER SERVICE

408-367-8387



Quality. Service. Value.
calwater.com

Historical & Projected Services



California Water Service Company - South San Francisco District

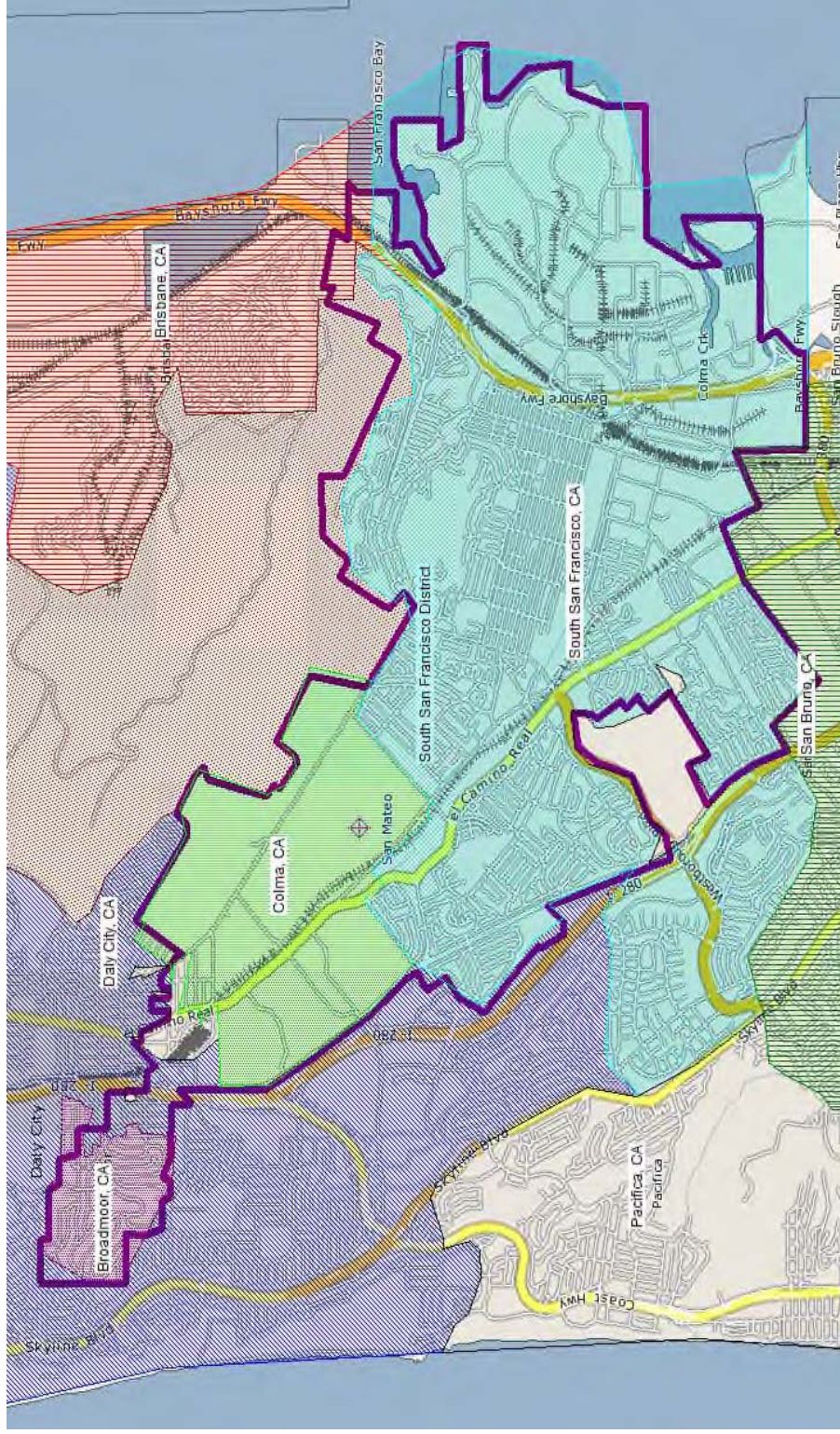
Water Supply and Demand Analysis and Projection:

Actual & Projected Annual Average Services

| Customer Category | Selected Trend | Growth Rate | Actual Services | | | | | Projected Services | | | | | | | |
|-------------------|--------------------------------------|--------------|-----------------|---------------|---------------|----------------|---------------|--------------------|---------------|---------------|---------------|---------------|--|--|--|
| | | | 2000 | 2005 | 2010 | Base Year 2015 | 2015 | 2020 | 2025 | 2030 | 2035 | 2040 | | | |
| SFR | SFR_E 20 Yr. Avg. | 0.49% | 13,450 | 13,829 | 13,840 | 13,949 | 13,949 | 14,291 | 14,642 | 15,002 | 15,370 | 15,748 | | | |
| MFR | MFR_B 5 Yr. Avg. | 1.13% | 151 | 151 | 152 | 167 | 167 | 176 | 187 | 197 | 209 | 221 | | | |
| COM | COM_D 15 Yr. Avg. | 0.30% | 1,815 | 1,879 | 1,911 | 1,898 | 1,898 | 1,926 | 1,955 | 1,984 | 2,014 | 2,044 | | | |
| IND | IND_E 20 Yr. Avg. | 1.00% | 74 | 68 | 61 | 54 | 54 | 57 | 60 | 63 | 66 | 70 | | | |
| GOV | GOV_A Zero Growth Rate | 0.00% | 218 | 221 | 218 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | | | |
| OTH | OTH_A Zero Growth Rate | 0.00% | 62 | 24 | 13 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | | | |
| TOTAL | Average growth rate 2012-2040 | 0.47% | 15,771 | 16,171 | 16,194 | 16,295 | 16,295 | 16,679 | 17,072 | 17,474 | 17,887 | 18,310 | | | |

Notes:

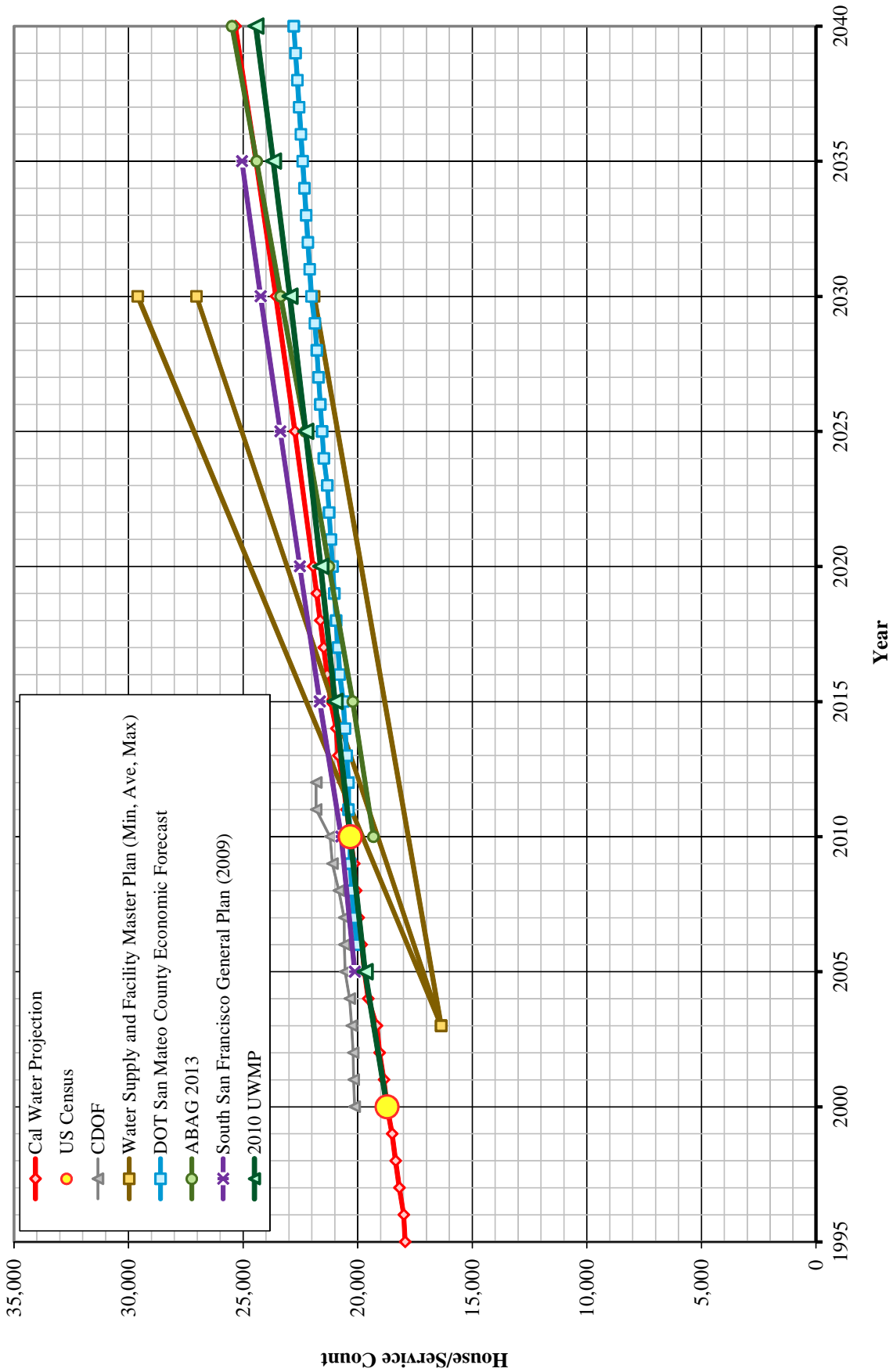
California Water Service Company - South San Francisco District
Water Supply and Demand Analysis and Projections
Marplot Summary



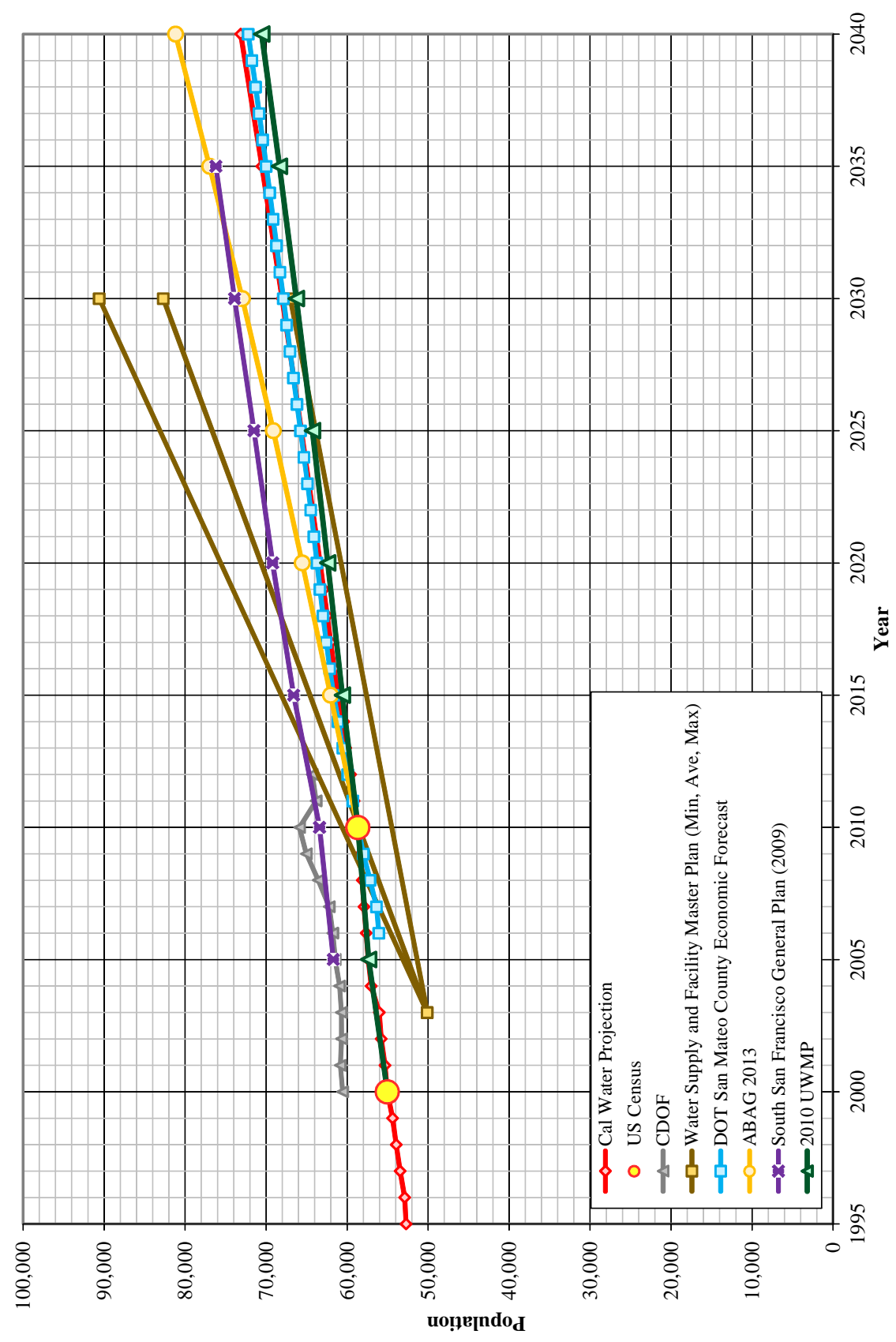
| System | US Census 2000 Summary | | | US Census 2010 Summary | | | 2000-2010 Change | | | |
|---------------------|------------------------|--------------------|---------|------------------------|------------|--------------------|------------------|------------------------------|----------------------|----------------|
| | Census Blocks | Housing Units (HU) | Density | Census Blocks | Population | Housing Units (HU) | Density | Percentage Population Change | Percentage HU Change | Density Change |
| South San Francisco | 458 | 55,024 | 2.94 | 510 | 58,658 | 20,324 | 2.89 | 6.6% | 8.6% | -1.8% |
| | 458 | 55,024 | 2.94 | 510 | 58,658 | 20,324 | 2.89 | 106.6% | 108.6% | 98.2% |

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 - South San Francisco 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) | Services | Residential Units (DU) | Unit Density | |
| 2000 | 55,024 | 18,716 | 2.940 | 13,450 | 151 | 5,266 | 34.9 | 0 |
| 2010 | 58,658 | 20,324 | 2.886 | 13,840 | 152 | 6,484 | 42.8 | 0 |
| | 6.6% | 8.6% | -1.8% | 2.9% | 0.4% | 23.1% | 22.6% | 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 | Residential Units (DU) | Unit Density | | | | |
| 1995 | 12,661 | 151 | 5,272 | 34.9 | 0 | 17,934 | 2.940 | 52,724 |
| 1996 | 12,716 | 151 | 5,272 | 34.9 | 0 | 17,989 | 2.940 | 52,885 |
| 1997 | 12,911 | 151 | 5,272 | 34.9 | 0 | 18,183 | 2.940 | 53,456 |
| 1998 | 13,078 | 151 | 5,269 | 34.9 | 0 | 18,347 | 2.940 | 53,939 |
| 1999 | 13,227 | 151 | 5,272 | 34.9 | 0 | 18,499 | 2.940 | 54,386 |
| 2000 | 13,450 | 151 | 5,266 | 34.9 | 0 | 18,716 | 2.940 | 55,024 |
| 2001 | 13,465 | 151 | 5,388 | 35.7 | 0 | 18,853 | 2.935 | 55,326 |
| 2002 | 13,534 | 151 | 5,510 | 36.5 | 0 | 19,044 | 2.929 | 55,784 |
| 2003 | 13,532 | 150 | 5,632 | 37.4 | 0 | 19,164 | 2.924 | 56,031 |
| 2004 | 13,787 | 151 | 5,753 | 38.1 | 0 | 19,541 | 2.918 | 57,028 |
| 2005 | 13,829 | 151 | 5,875 | 38.9 | 0 | 19,704 | 2.913 | 57,398 |
| 2006 | 13,829 | 151 | 5,997 | 39.7 | 0 | 19,826 | 2.908 | 57,646 |
| 2007 | 13,838 | 151 | 6,119 | 40.5 | 0 | 19,957 | 2.902 | 57,920 |
| 2008 | 13,826 | 152 | 6,241 | 41.1 | 0 | 20,066 | 2.897 | 58,130 |
| 2009 | 13,795 | 152 | 6,362 | 41.8 | 0 | 20,158 | 2.892 | 58,286 |
| 2010 | 13,840 | 152 | 6,484 | 42.8 | 0 | 20,324 | 2.886 | 58,658 |
| 2011 | 13,888 | 152 | 6,606 | 43.4 | 0 | 20,494 | 2.886 | 59,147 |
| 2012 | 13,910 | 155 | 6,729 | 43.4 | 0 | 20,639 | 2.886 | 59,567 |
| 2013 | 13,928 | 159 | 6,921 | 43.4 | 0 | 20,849 | 2.886 | 60,172 |
| 2014 | 13,938 | 161 | 6,997 | 43.4 | 0 | 20,935 | 2.886 | 60,421 |
| 2015 | 13,949 | 167 | 7,235 | 43.4 | 0 | 21,184 | 2.886 | 61,140 |
| 2016 | 14,016 | 169 | 7,317 | 43.4 | 0 | 21,334 | 2.886 | 61,572 |
| 2017 | 14,085 | 170 | 7,400 | 43.4 | 0 | 21,485 | 2.886 | 62,008 |
| 2018 | 14,153 | 172 | 7,484 | 43.4 | 0 | 21,637 | 2.886 | 62,448 |
| 2019 | 14,222 | 174 | 7,569 | 43.4 | 0 | 21,791 | 2.886 | 62,892 |
| 2020 | 14,291 | 176 | 7,655 | 43.4 | 0 | 21,946 | 2.886 | 63,339 |
| 2025 | 14,642 | 187 | 8,098 | 43.4 | 0 | 22,741 | 2.886 | 65,633 |
| 2030 | 15,002 | 197 | 8,568 | 43.4 | 0 | 23,570 | 2.886 | 68,026 |
| 2035 | 15,370 | 209 | 9,065 | 43.4 | 0 | 24,435 | 2.886 | 70,523 |
| 2040 | 15,748 | 221 | 9,590 | 43.4 | 0 | 25,338 | 2.886 | 73,129 |

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.

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|
ACTUAL
PROJECTED
|
V

Appendix C: Correspondences

- UWMP Public Draft Comments

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