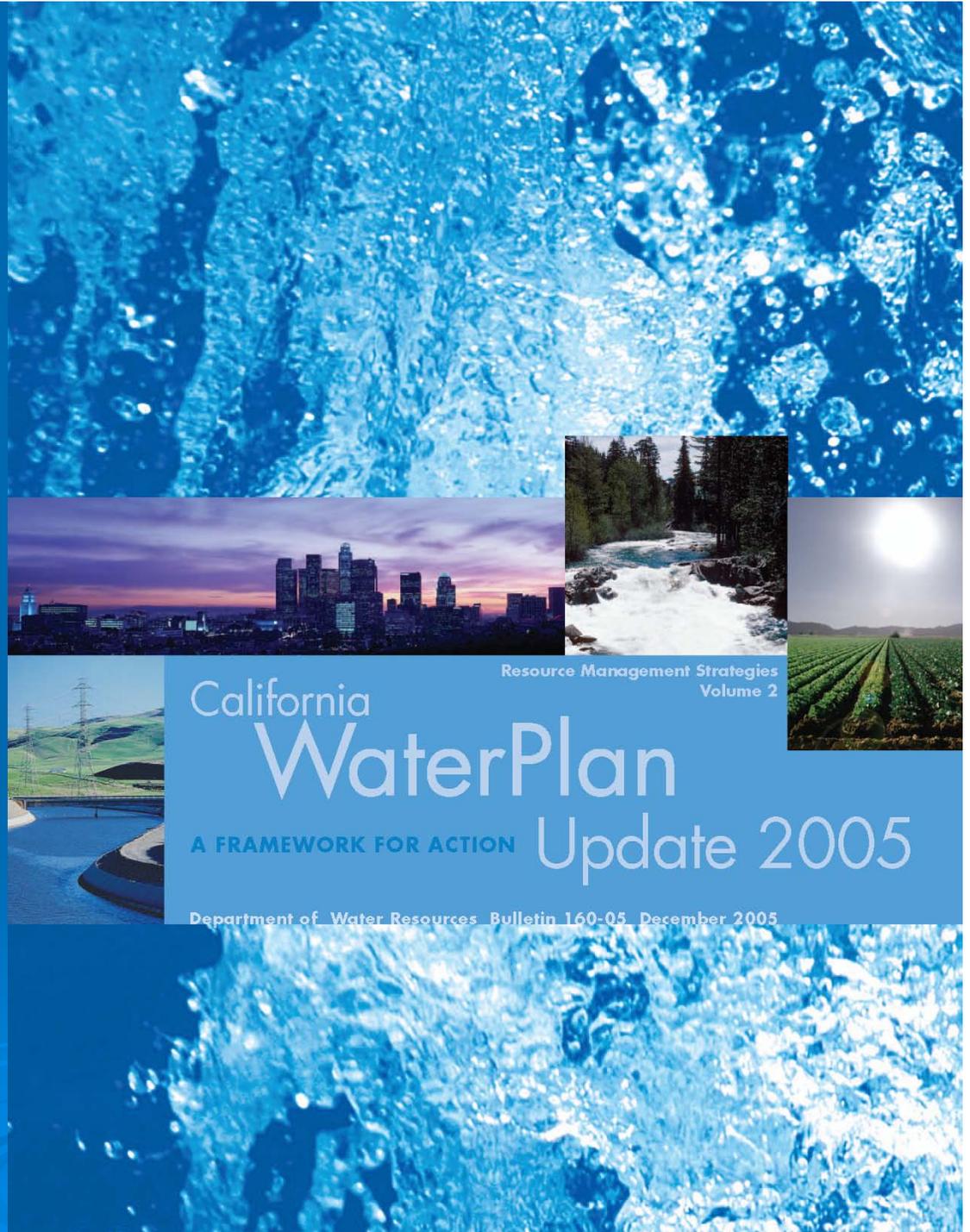


California Water Plan Update 2009

San Francisco Bay Regional Report Initial Draft Overview

2008 Regional Workshops



Regional Reports Table of Contents

- **Setting** – background factors
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SAN FRANCISCO BAY HYDROLOGIC REGION

Revised November 8, 2005

North Coast Region
Sonoma Petaluma Aqueduct

Flow in TAF		
1998	2000	2001
32	33	34

Sacramento River Region
Putah South Canal,
North Bay Aqueduct (SWP),
Vallejo Permit Water

Flow in TAF		
1998	2000	2001
69	72	80

San Joaquin River Region
Contra Costa Canal,
Mokelumne Aqueduct,
Hetch Hetchy Aqueduct
South Bay Aqueduct (SWP)

Flow in TAF		
1998	2000	2001
597	629	625

Central Coast Region
San Felipe Unit CVP

Flow in TAF		
1998	2000	2001
66	89	133

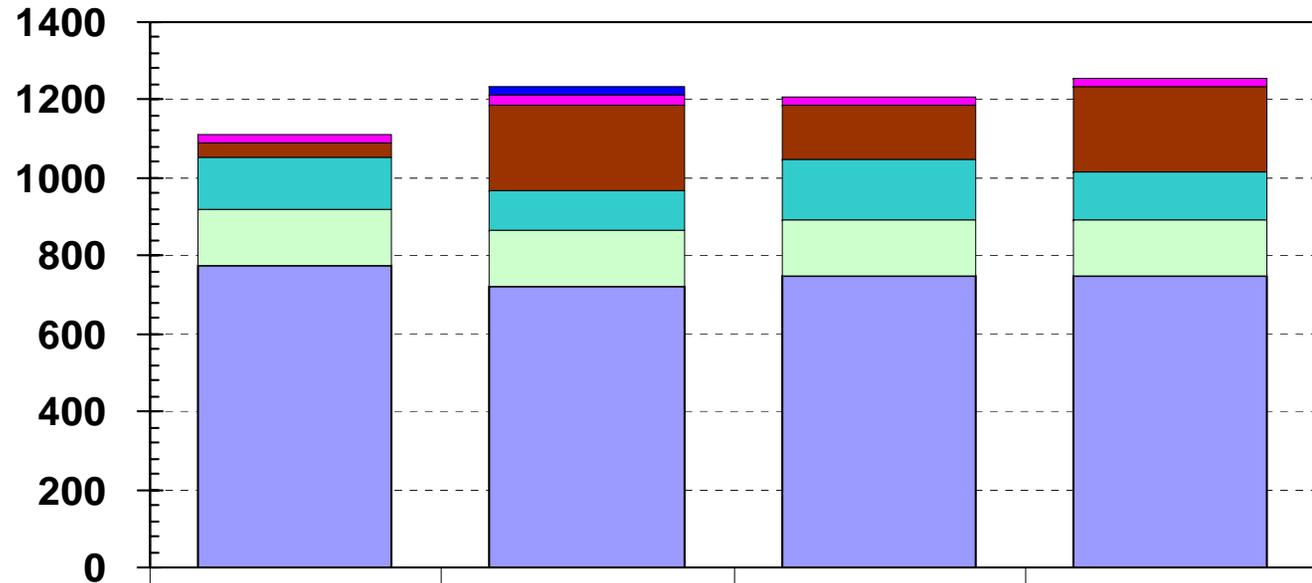


Some Statistics

- Area - 4,506 square miles (2.8 % of State)
- Average annual precipitation – 25.4 inches
- Year 2000 population - 6,105,650
- 2030 projected population – 7,857,360
- Total reservoir storage capacity - 746 TAF
- 2000 irrigated crop area - 70,300 acres

San Francisco Bay Region Water Supply

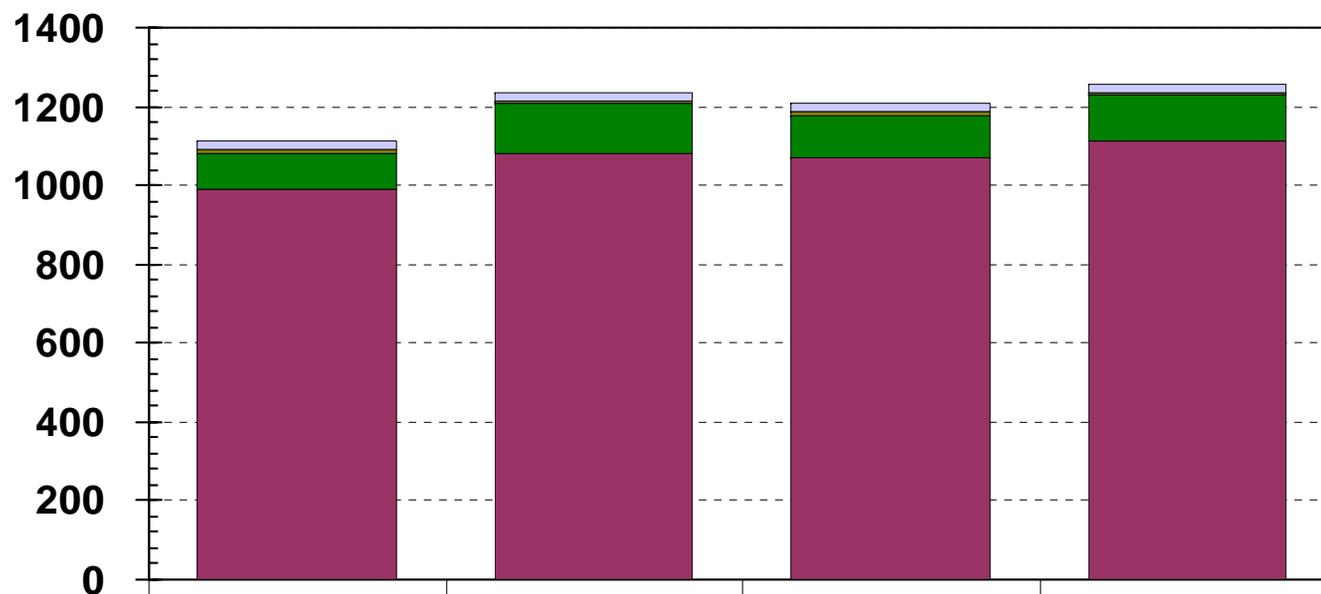
Water Supply in 1000 acre-feet/water year



	1998	1999	2000	2001
■ Dedicated Environment		22		
■ Reuse & Recycled	22	28	22	22
■ Groundwater	38	221	139	220
■ State Water Project	134	101	155	121
■ Federal Water Projects	142	140	143	147
■ Colorado River Project	0	0	0	0
■ Local Water Projects	775	724	747	746

San Francisco Bay Region Water Use

Water Use in 1000 acre-feet/water year



	1998	1999	2000	2001
■ Wild & Scenic Rivers	0	0	0	0
■ In-stream Flows	23	22	22	20
■ Required Delta Outflow	0	0	0	0
■ Managed Wetlands	6	6	6	6
■ Irrigated Agriculture	92	128	110	120
■ Urban	991	1080	1069	1110

FEMA Flood Hazard Areas

Flood Hazard Areas

-  Zone V- (100 yr. Flood Zone)
-  Zone A- (100 yr. Flood Zone)
-  Zone X500- (500 yr. Flood Zone or other concerns)
-  Urbanized Area

Shaded to show topographical relief

Detailed FEMA Explanation

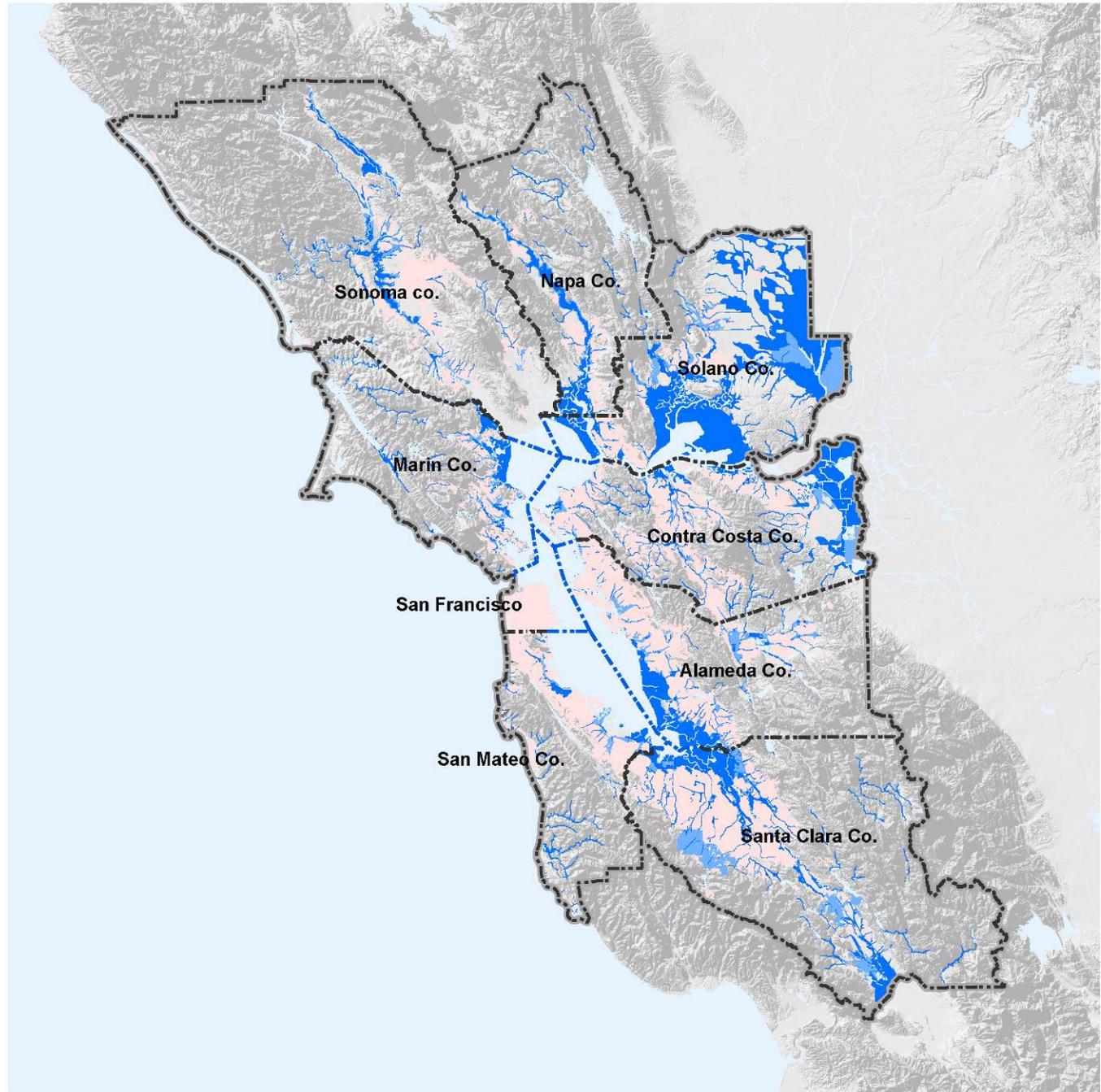
Flood Zone	Description
Zone V	This code identifies an area inundated by 1% annual chance flooding with velocity hazard (wave action).
Zone A	This code identifies an area inundated by 1% annual chance flooding.
Zone X500	This code identifies an area inundated by 0.2% annual chance flooding; an area inundated by 1% annual chance flooding with average depths of less than 1 foot or with drainage areas less than 1 square mile; or an area protected by levees from 1% annual chance flooding.



Scale: 1 inch equals 19.52 miles

Source: FEMA Q3 Flood Data and ABAG.
The Q3 Flood Data do not replace the existing hardcopy FIRM, or, if one exists, Digital FIRM product. The product has been designed to support planning activities.

A more detailed version of this map is available at <http://quake.abag.ca.gov>



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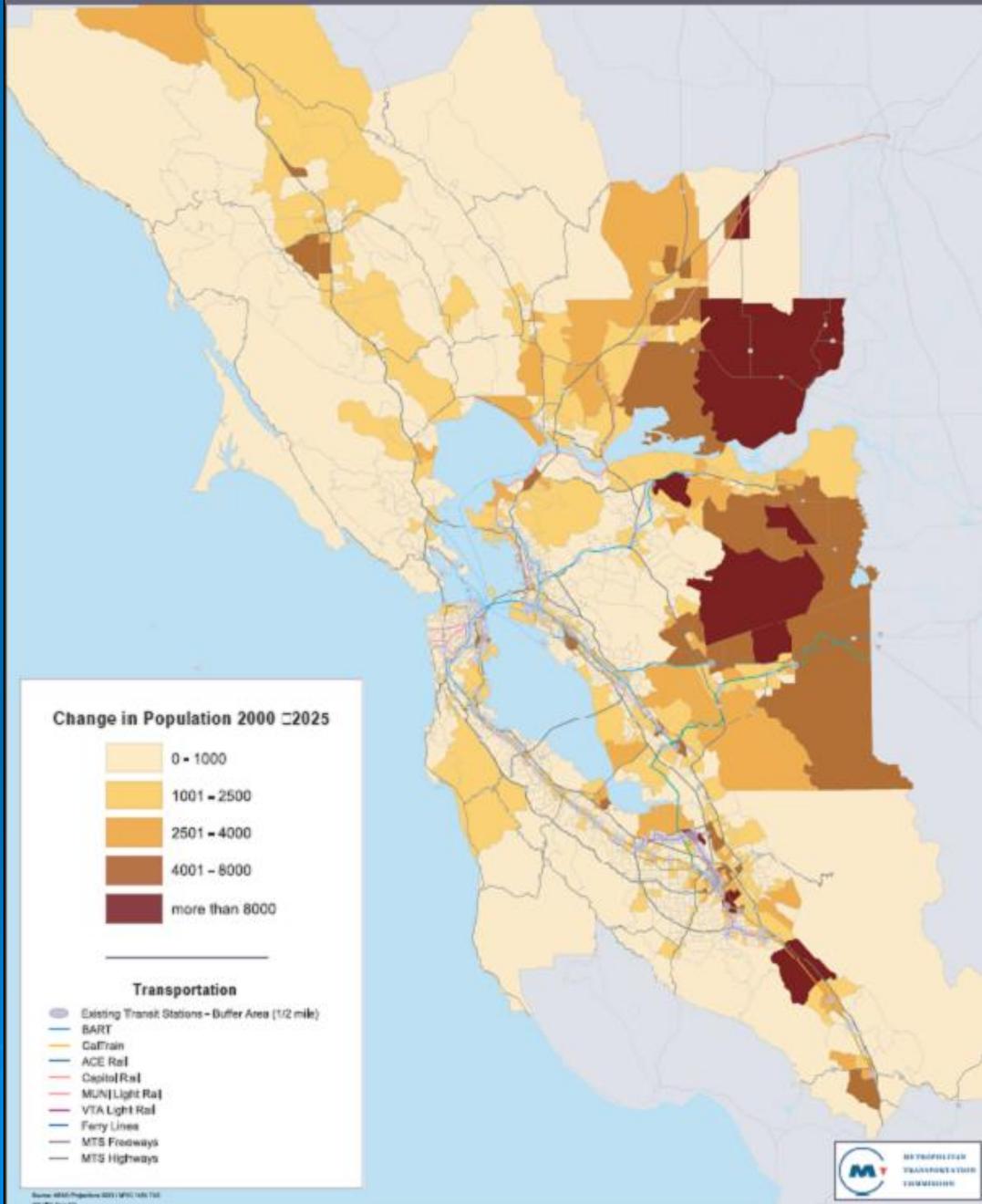
San Francisco Bay Region IRWM Plans

PROPOSITION 84 Integrated Regional Water Management Program San Francisco Bay Funding Area



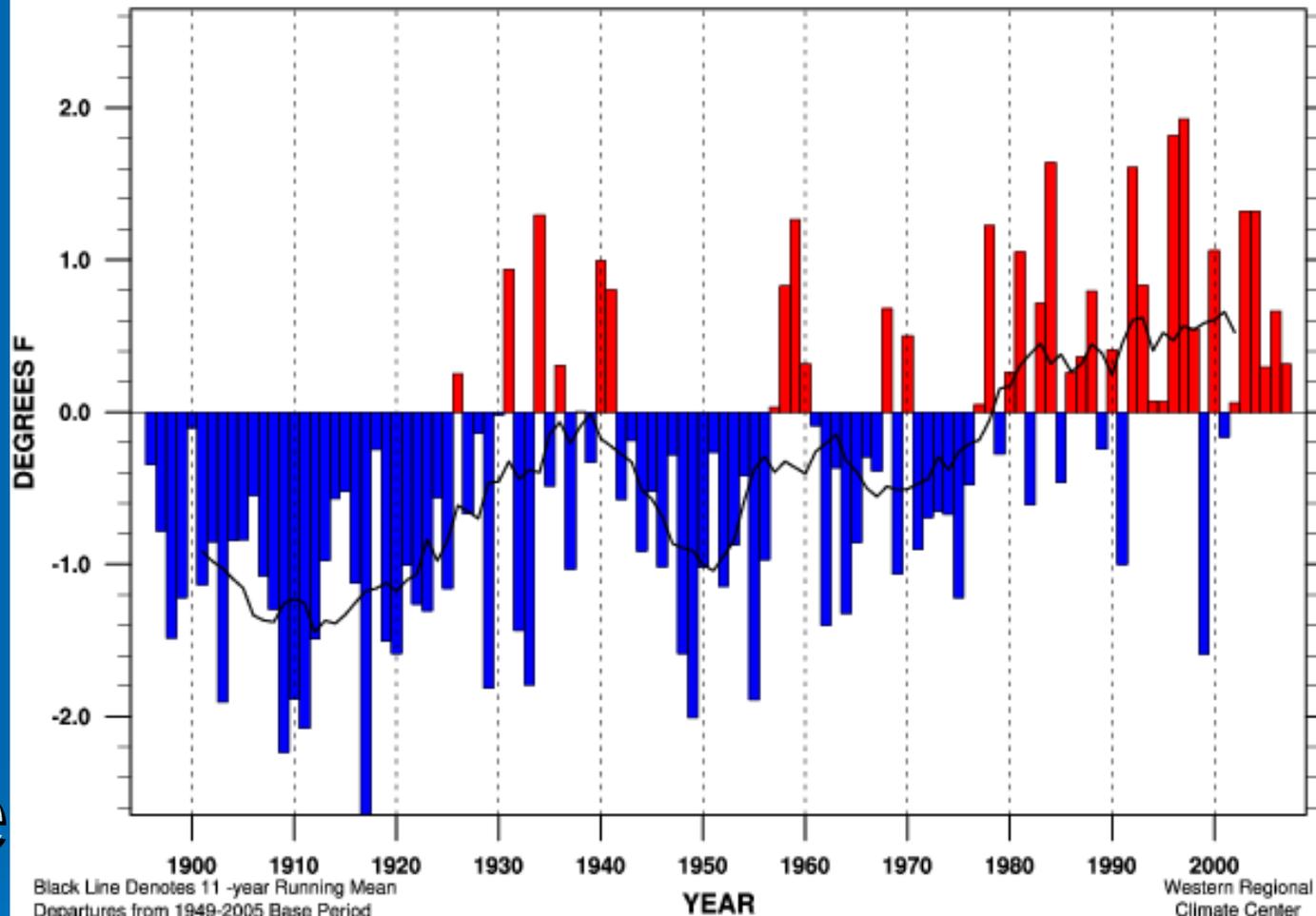
San Francisco Bay Area Population Growth Projection (ABAG)

ABAG Projections 2003: Population Growth 2000 - 2025 by 1454 TAZ



Bay Area & Central Coast Annual Mean Temperature Trend (WRCC)

Central Coast Region Mean Temperature Departure Oct-Sep



Linear Trend 1895-present	+ 1.66 ± 0.46 °F/100yr	
Linear Trend 1949-present	+ 2.60 ± 1.27 °F/100yr	
Linear Trend 1975-present	+ 1.31 ± 3.24 °F/100yr	
Warmest Year	59.1°F (+ 1.9°F) in 1997	MEAN 57.2 °F
Coldest Year	54.5°F (- 2.6°F) in 1917	STDEV 0.92 °F
Oct-Sep	2007 57.5°F (+ 0.3°F)	RANK 87 of 112



Source: BCDC
Presentation on
Climate Change
Strategy 12/07