California Water Plan
Update 2009

San Francisco Bay
Regional Report
Initial Draft
Overview

2008 Regional
Workshops
Regional Reports Table of Contents

- **Setting** – background factors
- **Regional Water Conditions** – current status of water resources, water quality, flood protection, and water governance
- **Relationship with Other Regions** – if and how a region is affected by, or affects, other regions
- **Regional Water and Flood Planning and Management** – status of Integrated Regional Water Management and other regional/local plans
- **Looking to the Future** – regional response strategies
- **Water Portfolios for 1998-2005** – water supply & use balances showing – regional water uses, local & imported supply sources, and water to other regions
- **Selected References** – information supporting the narrative
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

<table>
<thead>
<tr>
<th></th>
<th>1998</th>
<th>1999</th>
<th>2000</th>
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</thead>
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<tr>
<td>Dedicated Environment</td>
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<td>22</td>
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<tr>
<td>Reuse &amp; Recycled</td>
<td>22</td>
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<tr>
<td>Groundwater</td>
<td>38</td>
<td>221</td>
<td>139</td>
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<td>State Water Project</td>
<td>134</td>
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<td>155</td>
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<td>Federal Water Projects</td>
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<td>Colorado River Project</td>
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<td>Local Water Projects</td>
<td>775</td>
<td>724</td>
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San Francisco Bay Region Water Use

Water Use in 1000 acre-feet/water year

<table>
<thead>
<tr>
<th></th>
<th>1998</th>
<th>1999</th>
<th>2000</th>
<th>2001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wild &amp; Scenic Rivers</td>
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<td>In-stream Flows</td>
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<td>Required Delta Outflow</td>
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<td>Managed Wetlands</td>
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<td>6</td>
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<tr>
<td>Irrigated Agriculture</td>
<td>92</td>
<td>128</td>
<td>110</td>
<td>120</td>
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<tr>
<td>Urban</td>
<td>991</td>
<td>1080</td>
<td>1069</td>
<td>1110</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Flood Zone</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Zone V</td>
<td>This code identifies an area inundated by 1% annual chance flooding with velocity hazard (wave action).</td>
</tr>
<tr>
<td>Zone A</td>
<td>This code identifies an area inundated by 1% annual chance flooding.</td>
</tr>
<tr>
<td>Zone X500</td>
<td>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.</td>
</tr>
</tbody>
</table>

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://quaikc.abag.ca.gov

ABAG Geographic Information Systems
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San Francisco Bay Area Population Growth Projection (ABAG)
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
- Coldest Year: 54.5 °F (-2.6 °F) in 1917
- Oct-Sep 2007: 57.5 °F (+0.3 °F)

Also included: Mean 57.2 °F, STDEV 0.92 °F, RANK 87 of 112