

Strange Bedfellows: Working Across Agencies and Beyond Jurisdictional Lines

Bruce Riordan: Climate Consultant, Bay Area Joint Policy Committee

- Leads the Bay Area Climate and Energy Resilience Project
- Has consulted on climate-related projects for MTC, BAAQMD, BART, the California Attorney General, the Marin Community Foundation and Next 10
- Co-founded ARCCA, an alliance of regional climate adaptation leaders in San Diego, Los Angeles, Sacramento, and the Bay Area

7 MILLION PEOPLE

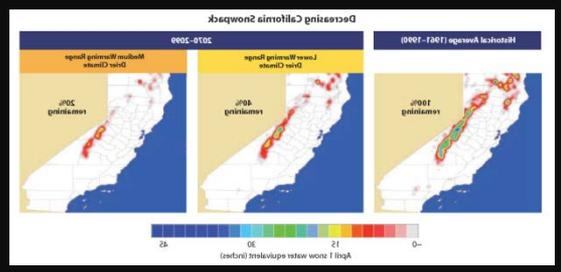
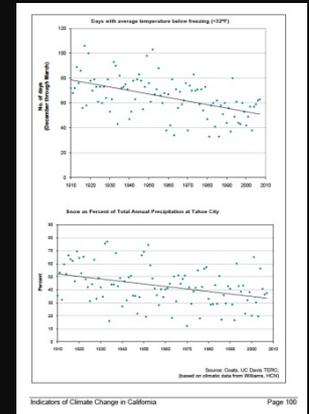
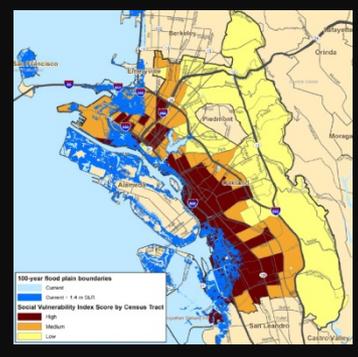
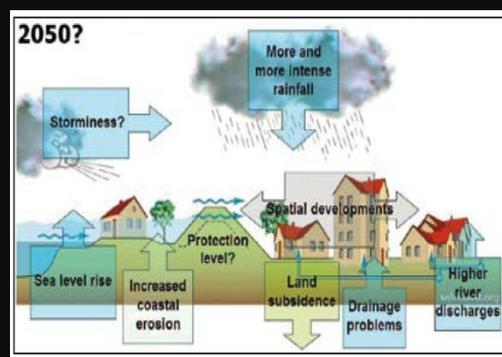
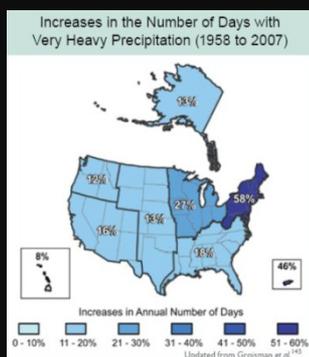
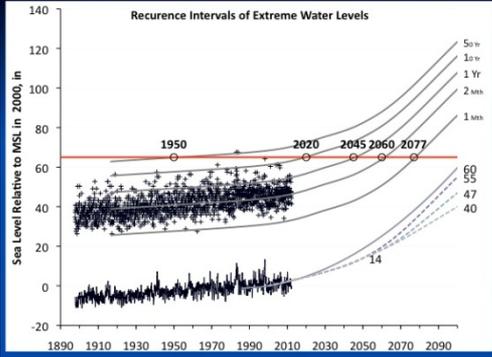
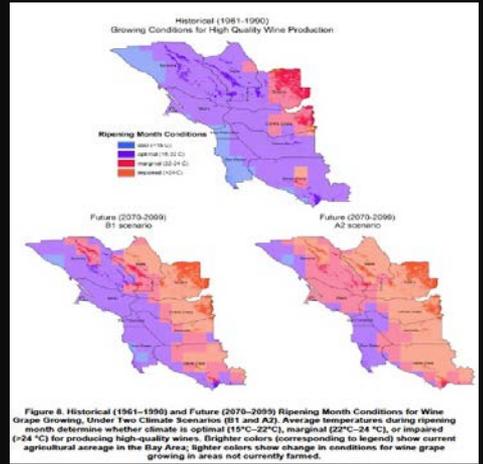
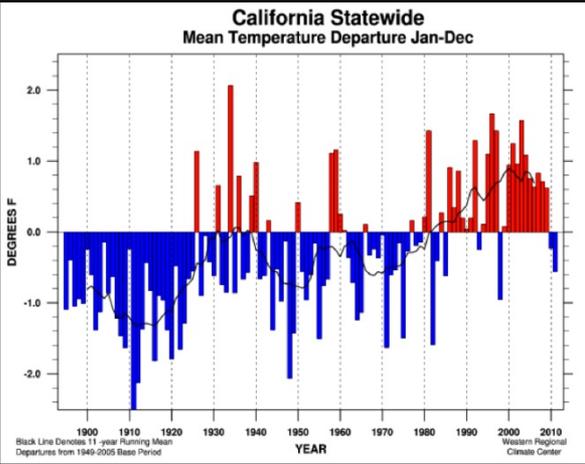
9 COUNTIES

101 CITIES

**100'S OF SPECIAL
DISTRICTS**

100'S OF NGOs





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Officials declare emergency over East Palo Alto levee damage

Twelve areas needing immediate repair were identified after a city inspection of the entire length of the creek within the city

By Sam Grumman
East Palo Alto Office Staff

East Palo Alto officials are seeking an estimated \$2.6 million in government aid after San Francisco voters unanimously approved the levee that prevents San Francisco Bay from overflowing into the city's homes and businesses.

City officials declared a local emergency on Wednesday, Jan. 2, stating that the flood damage to the creek banks and the levee on Div. 27 and 28 caused "conditions of extreme peril to the safety of persons and property" within the city.

The declaration, which the city sent to state officials, brings a proclamation, allows the city to ask for an estimated \$2.6 million from the state for emergency measures to correct the damage. That total could run higher after additional engineering studies are conducted.

Statewide the levee just after the December rains has established East Palo Alto available resources and its local and regional financial resources, city staff said Wednesday. The proclamation was signed by Mayor Gonzales, city manager and director of emergency services, Mayor Robert Absher and City Attorney.

Green homes along Divine Way that the creek were flooded with about 2 feet of water, and about 40 people evacuated to a nearby American Red Cross shelter, Gonzalez said.

City staff and volunteers added more than 2,000 sandbags along the levee to stabilize it immediately after the flooding.

Absher said there is no immediate danger to residents now that the sandbags are in place. But officials

HOW TO ACCELERATE & STRENGTHEN?

□ Kresge/JPC Needs Assessment

■ Stakeholder Interviews

□ Doing?

□ Help needed?

□ Joint Action?

■ 4 Roadmaps

■ Equity & Community Engagement

■ Multi-Jurisdictional Decision-Making

■ Information for Decision-Makers

■ Win-Win Strategies

Appendix B: Selected Bay Area Adaptation Projects

In the course of the stakeholder interviews, a number of Bay Area projects and programs were identified. While not a comprehensive listing of all Bay Area projects, the 90+ initiatives described below provide a good snapshot of Bay Area adaptation efforts in early 2013.

Section 1 Protecting & Enhancing Public Health — Heat, Air Pollution, Infectious Diseases

Selected Projects

1. **Cal-BRACE (Building Resilience Against Climate Effects)**
Bay Area will be one major target area for CDC-funded statewide climate change project. Will apply the CDC BRACE model (Building Resilience Against Climate Effects) including five steps to help develop comprehensive climate and health adaptation plans.
2. **Climate Ready Initiative — San Francisco Department of Public Health**
CDC-funded pilot project by the San Francisco Department of Public Health to develop public health capacity and adaptation strategies to reduce human health impacts from climate change. The focus is on preventing heat stress morbidity and mortality from extreme heat events and associated air quality impacts, which are expected to increase in frequency and duration.
3. **County Public Health Department Adaptation Projects (partial list)**
A number of county public health departments have begun climate adaptation-related activities. Marin County added extreme heat to the county's emergency operations plan. Santa Clara County is working on the public health section of Silicon Valley 2.0. Contra Costa County is developing a Health in All Policies framework that includes climate change. Alameda County has participated in the Adapting to Rising Tides project. San Mateo County worked public health into the climate action plan template used by cities in the county. City of Berkeley public health department is involved in the city's climate change planning and emergency preparedness.
4. **Mapping Climate Change Exposures, Vulnerabilities, and Adaptation to Public Health Risks in the San Francisco Bay Area and Fresno Regions**
This excellent 2012 study by Michael Jerrett and colleagues for the state PIER program uses an environmental hazard inequality index and applies it to potential

Oakland climate change impacts in order to identify and understand highly vulnerable populations.

5. **NRDC: Climate Change and Health**

San Francisco office is very actively engaged on climate adaptation issues at the state level concerning health impacts from heat waves, air pollution, infectious diseases and other issues. Strong advocacy (including position papers and other printed material) for greater public health role in climate planning. Engaged with state-level Climate Action Team, FEMA, City of San Francisco, Cal-EMA, and others.

6. **Public Health Institute Climate Change White Paper and Mini-Grants**

Statewide project, funded by the Kresge Foundation, to produce a white paper linking climate adaptation and mitigation to existing public health programs such as WIC, Nutrition Network, etc. Will include mini-grants for 3 topic areas — possible topics include urban heat islands, regional asthma management program, and community food programs.

SECTION 2 Protecting & Enhancing Bayside/Coastal Assets & Populations — Sea Level Rise and Extreme Storms

1. **Adapting to Rising Tides (East Bay – Bay Bridge to San Mateo Bridge)**
BCDC leads this major sub-regional undertaking, a multi-stakeholder, 2-year project that is providing vast experience and lessons learned in planning for sea level rise and storm impacts.
2. **Adapting to Sea Level Rise Along the North Bay Shoreline**
Project funded by the North Bay Watershed Association to support the shoreline of eastern Marin north to the Petaluma River. Project is being operated for the NBWA by PRBO Conservation Science.
3. **Contra Costa County Flood Control District — Sea Level Rise**
CCCFC's Mitch Avalon has written "Sea Level Rise and Our Low Lying Communities: A Flood Control Perspective" and is making presentations to increase flood control district engagement on sea level rise and extreme storm events.
4. **Evaluating Tidal Marsh Sustainability in the Face of Sea-Level Rise: A Hybrid Modeling Approach Applied to San Francisco Bay.**

Important scientific study led by Diana Stralberg for PRBO evaluating the sustainability and long-term resilience of marshes in the San Francisco Bay under a number of climate change scenarios. Suggests that under high sea level rise

KEY FINDINGS

- 4 Near-Universal Needs
 - Organized Campaign
 - Dedicated Planning Resources
 - Science Info & Guidance
 - Project Info/Partners

KEY FINDINGS

- Create a *Bay Area* Planning Process
- Help Cities/Counties & Convene Local Working Groups
- Work Smarter with State Government
- Focus on Vulnerable Communities
- Secure Resources for Public Health Sector
- Integrate with EQ/Disaster Recovery
- Initiate 21ST Century Regulatory Reform
- Create Center for Mega-Strategy Discussions
- Make Nature-Based Solutions Integral to Approach
- Focus on Extreme Events
- Reward Innovation
- Integrate with GHG Reduction & Sequestration

5-POINT ACTION PLAN TO ACCELERATE AND STRENGTHEN

1. Create Bay Area Adaptation Center
2. Establish Regional Leaders Forum
3. Implement Vulnerable Communities Initiative
4. Organize Campaign for Dedicated Resources
5. Integrate Adaptation + GHG Reduction

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Bay Area Joint Policy Committee