An aerial photograph of a road with a prominent green median strip. The road is flanked by trees and some buildings in the background. The text is overlaid on this image.

Regional Flood Risk Management Strategy for the Sacramento Valley: Open Space Implications

***Presented at the Open Space and Agricultural
Resources Preservation Policy Workshop***

by

Stein Buer

SAFCA Executive Director

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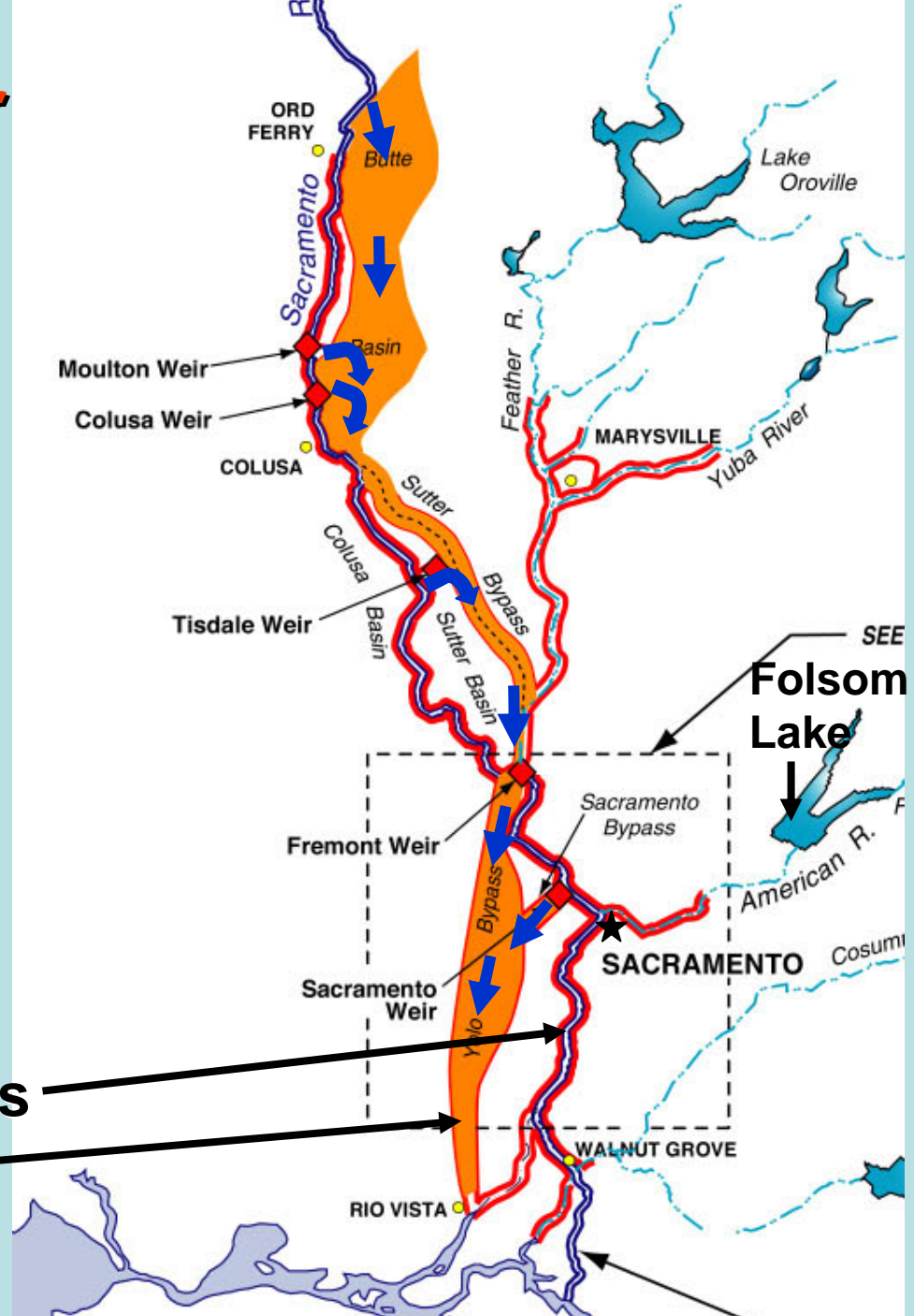


Sacramento River Flood Control Project

- ✓ Sacramento/Feather
- ✓ American River
- ✓ Local Streams

Functional Elements

- ✓ Reservoirs
- ✓ River Channels and Levees
- ✓ Bypass Channels



Operating Environment

- **Project Design and Deficiencies**
- **System Maintenance and Regulatory Constraints**
- **Paterno 2003**
- **Katrina 2005**
- **Land Use Changes**
- **FEMA Map Modernization**
- **Global Climate Change**
- **Costs and Funding**

Guiding Principles

- **Maintain or Reduce Cumulative Risk**
- **Improve and Stabilize System Performance**
 - **System Works**
 - **Watersheds**
 - **Floodplains and Protected Open Space**
- **Prioritize Investments**
- **Achieve Investment Efficiency**
- **Enhance Environmental Values**

Plan Elements

- **Structural Features**
- **Land Use**
- **Flood Operational Efficiency**
- **Risk Mitigation**
- **Development Risk Offset**

Urban Flood Protection Strategies

- **200-year Design Storm or Better**
- **No Overtopping Failures**
- **Terrorism Resistance**
- **Intense O&M and Emergency Response**
- **Public Risk Awareness and Training**
- **Flood Insurance**
- **Flood Corridors for Multiple Benefits**

Rural Flood Protection Strategies

- **1957 Corps Design Profile**
- **Support Levee and Channel O&M**
- **Flood Insurance; Equity Considerations**
- **Support for Existing Small Communities**
- **Levee Setbacks where Locally Supported**
- **Preserve Open Space: Economics**