

Regional Report

Central Coast Hydrologic Region

California Water Plan

Update 2009

Regional Workshop

July 23, 2007 – Santa Barbara, CA



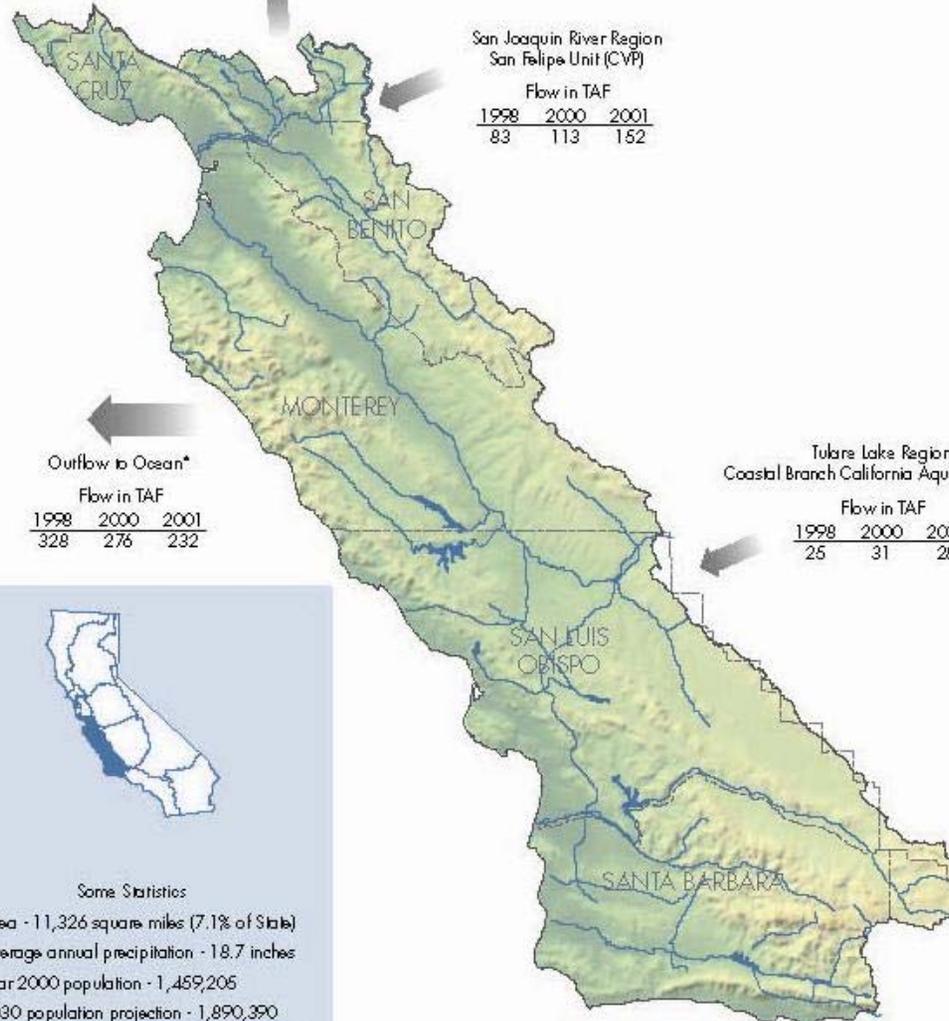
CENTRAL COAST REGION

San Francisco Bay Region
San Felipe Unit (CVP)

Flow in TAF		
1998	2000	2001
66	89	133

San Joaquin River Region
San Felipe Unit (CVP)

Flow in TAF		
1998	2000	2001
83	113	152



Outflow to Ocean*

Flow in TAF		
1998	2000	2001
328	276	232

Tulare Lake Region
Coastal Branch California Aqueduct (SWP)

Flow in TAF		
1998	2000	2001
25	31	28



Some Statistics

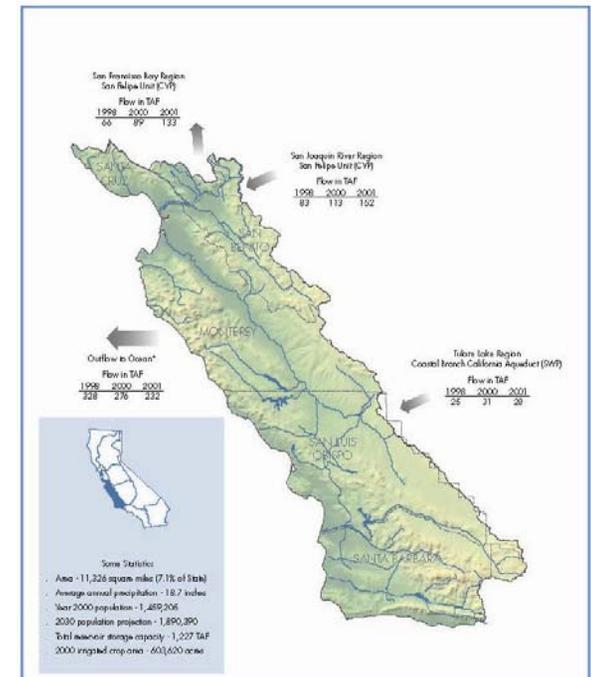
- Area - 11,326 square miles (7.1% of State)
- Average annual precipitation - 18.7 inches
- Year 2000 population - 1,459,205
- 2030 population projection - 1,890,390
- Total reservoir storage capacity - 1,227 TAF
- 2000 irrigated crop area - 603,620 acres

Central Coast Region Water Balance Summary

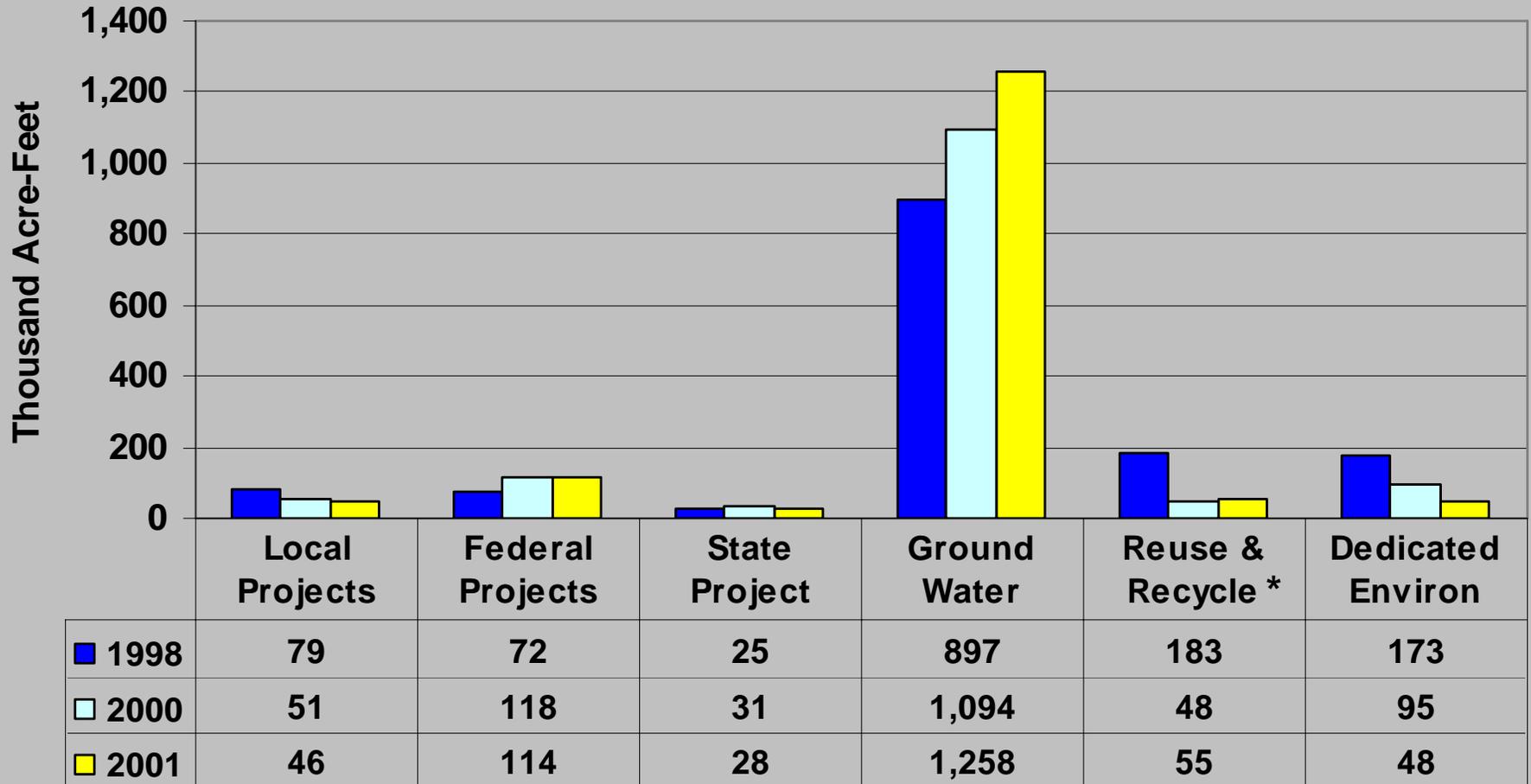
- **Water Entering the Region (TAF)**
 - 1998 25,310
 - 2000 12,740
 - 2001 12,028

- **Water Leaving the Region (TAF)**
 - 1998 25,518
 - 2000 13,481
 - 2001 12,913

- **Storage Changes in the Region (TAF)**
 - 1998 -208
 - 2000 -741
 - 2001 -885

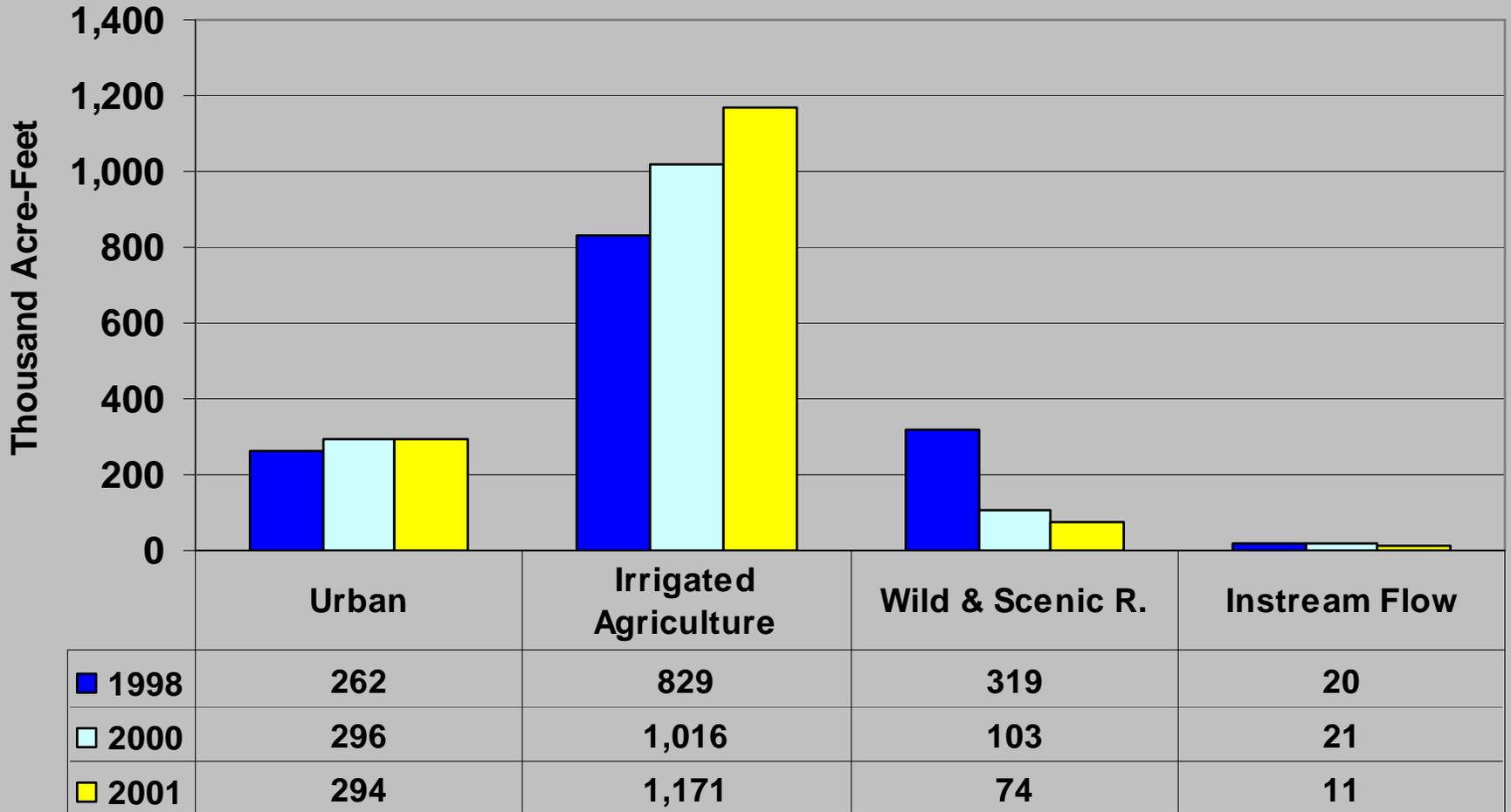


Central Coast Region Dedicated Water Supplies



	<u>1998</u>	<u>2000</u>	<u>2001</u>
* Reuse Surface Water	165	30	36
Recycled Water	18	18	19

Central Coast Region Applied Water Uses



Regional Water Management Planning

- **California Water Plan**
- **Integrated Regional Water Management**
- **City & County General Plans (SB221/610)**
- **Court actions**
- **Groundwater management plans**
 - **Pajaro Valley**
 - **Santa Clara Valley WD**
 - **Seaside Basin**
- **Urban Water Management Plans**
- **Watershed councils and watershed management plans**
 - **Carmel River Watershed**
 - **Pajaro River Watershed**
 - **Upper Salinas River Watershed**

Central Coast Region Challenges/Actions

- **Shortfalls in available water supplies in many areas**
- **Overdrafting groundwater**
- **Seawater intrusion**
- **Groundwater contamination issues**
- **Water quality**
- **Some domestic water supply wells affected by contamination**

Central Coast Region Desalination

Map of Proposed Desalination Plants in California as of Spring 2006

- > 20 MGD (76,000 m³/d)
- 5 – 20 MGD (19,000 – 76,000 m³/d)
- < 5 MGD (19,000 m³/d)



Accomplishments in Central Coast Region

- **Over \$2.2 million in AB 303 Grant funding**
 - **FY 2000 to 2005**
- **Watershed programs to:**
 - **Reduce non-point source pollution**
 - **Reduce stream erosion**
 - **Improve riparian vegetation**
- **Completion of the Salinas Valley Reclamation project & Castroville Seawater Intrusion project**
- **Completion of Salinas Valley Water Project**
- **Water transfer negotiations (e.g. CVP supplies)**
- **Regional cooperation to complete the Nacimiento Water Project**

Climate Change

- **Temperature increase**
- **Snowpack decrease**
- **River runoff timing and magnitude changes**
- **Effects on water rights**
- **Water supply change**
- **Water use increase**
- **Water temperature increase**
 - **Increase dam releases for temperature control for species**



Questions?



Department of Water Resources

Contacts

Southern District

(818) 500-1645

Mark Stuart

marks@water.ca.gov

Chang Lee

clee@water.ca.gov

Dave Inouye

david@water.ca.gov

Vern Knoop

vernk@water.ca.gov

San Joaquin District

Paula Landis

(559) 230-3310

plandis@water.ca.gov

Ernie Taylor

(559) 230-3352

etaylor@water.ca.gov