

**Graphics for Regional Reports** – This is a list of graphics being currently being considered to be included as common to all Regional Reports. There will likely be other graphics depicting the uniqueness of each region.

### General Graphics

- Inflows and Outflows Map (Subject for discussion today – See Attached Examples pages 3-6)
  - Need to add more reference locations so that reader can locate themselves (Cities, Highways...)
  - Can the Inflows and Outflows show ultimate destination? For example the amount of water out of the Sacramento-San Joaquin Delta via the State Water Project – Split this amount into amount going to San Joaquin, Central Coast, South Coast....
- Watersheds (& Ecosystems) of the Hydrologic Region
- Water Balance Butterfly Chart -To be discussed fully in a later Graphics Workshop
- Water Balance Summary Table - To be discussed fully in a later Graphics Workshop
- Land Ownership (Land Use?) Map - (Subject for discussion today – See attached examples pages 7-10) The concept is to show the major managers the land in the region. Is the region dominated by Federally Owned land which is managed by the Forest Service and Bureau of Land Management for example? This may be combined with the land use, irrigated agriculture and water demand changes map/chart below.
- Water Demand Changes – Scenario Results at Regional level (example page 14)
- IRWM Regions Map (Regional Acceptance Process example page 11)
- Governance – (See Table SF-3 page 12 for example) (Does this table add value?)
- Management Strategies in the Region and Sub Regions (example page 13)
- 

**We will include graphics relating to the following specific subject matter which will be provided by the respective work teams and subject matter experts:**

### Flood Graphics

Flood Work Team is preparing graphics and they should be available later this summer for review.

### Climate Change graphic(s)

- Embedded Energy (Subject for discussion today)

### Water Quality Graphics

- Table(s) (by region) showing total number of communities that rely on contaminated groundwater.

There are 682 CWS (with 1662 Active Wells) identified as communities that rely on contaminated groundwater. If possible, we would be interested in identifying which hydrologic region those CWS and active wells reside in. Appendix 8 is the complete listing, one suggestion would be to add a column showing the hydrologic region. Then tables (similar to Tables 1.3 and 2.1 in the AB2222 report) could be developed for each region to show which constituents are an issue, the number of wells affected, size of water systems affected, etc.

[http://www.waterboards.ca.gov/water\\_issues/programs/gama/ab2222/docs/cmntes\\_rely\\_gw.pdf](http://www.waterboards.ca.gov/water_issues/programs/gama/ab2222/docs/cmntes_rely_gw.pdf)

- Table showing Number & Size of Community Drinking Water Systems by Region. (example page 15)

### Tribal Graphics

- Tribes and Tribal Lands in the Region

### Ecosystem Graphics

- List of Endangered Species
- Instream Flows in the Region and Sub Regions
- FERC Hydro Relicensing efforts in Region

### Groundwater Graphics

Ground water Work Team is preparing graphics and they should be available at the end of the month for first review.

**Figure SF-1 San Francisco Bay Hydrologic Region: inflows and outflows in 2005**

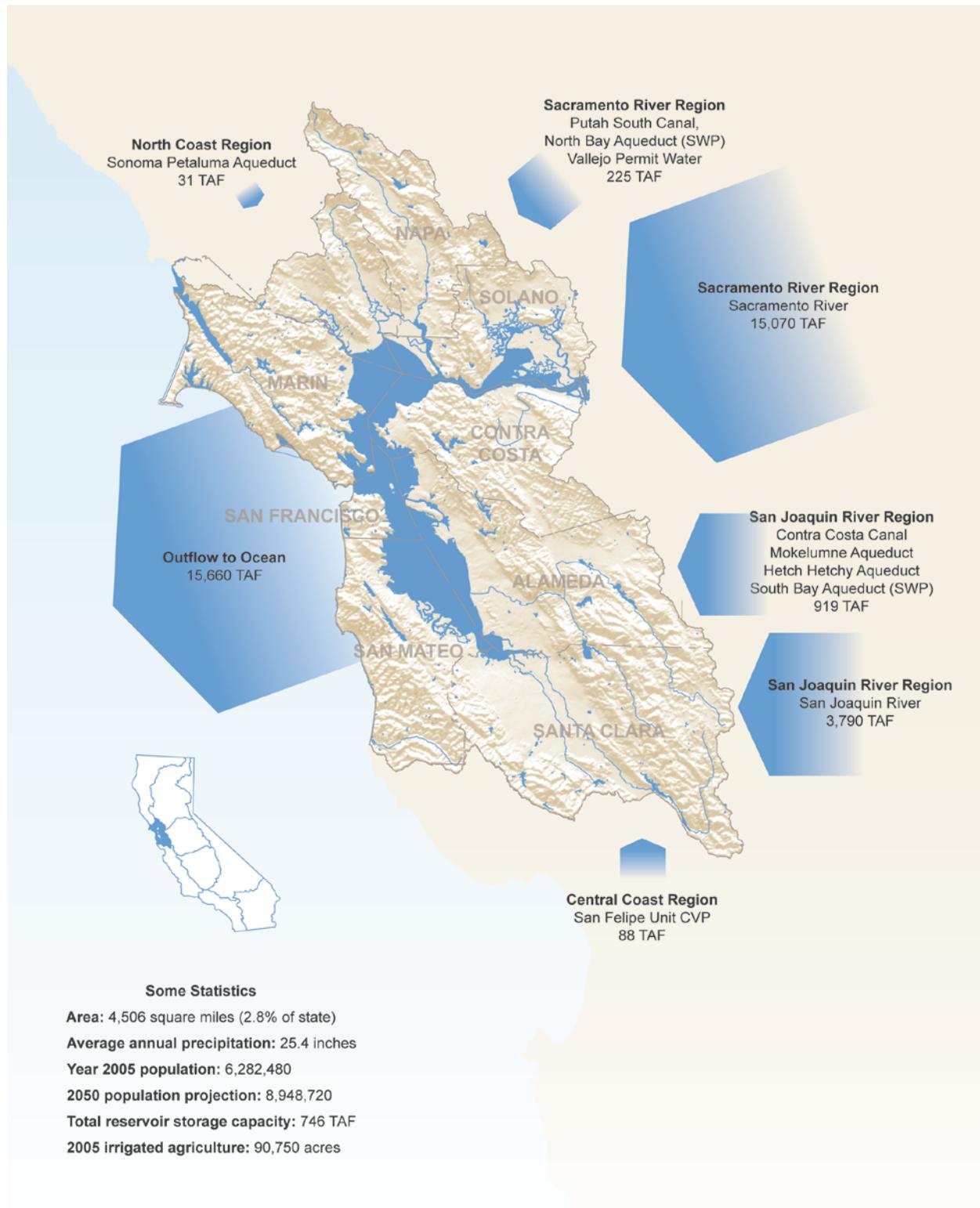


Figure MC-1 Mountain Counties Area 2005 inflows and outflows

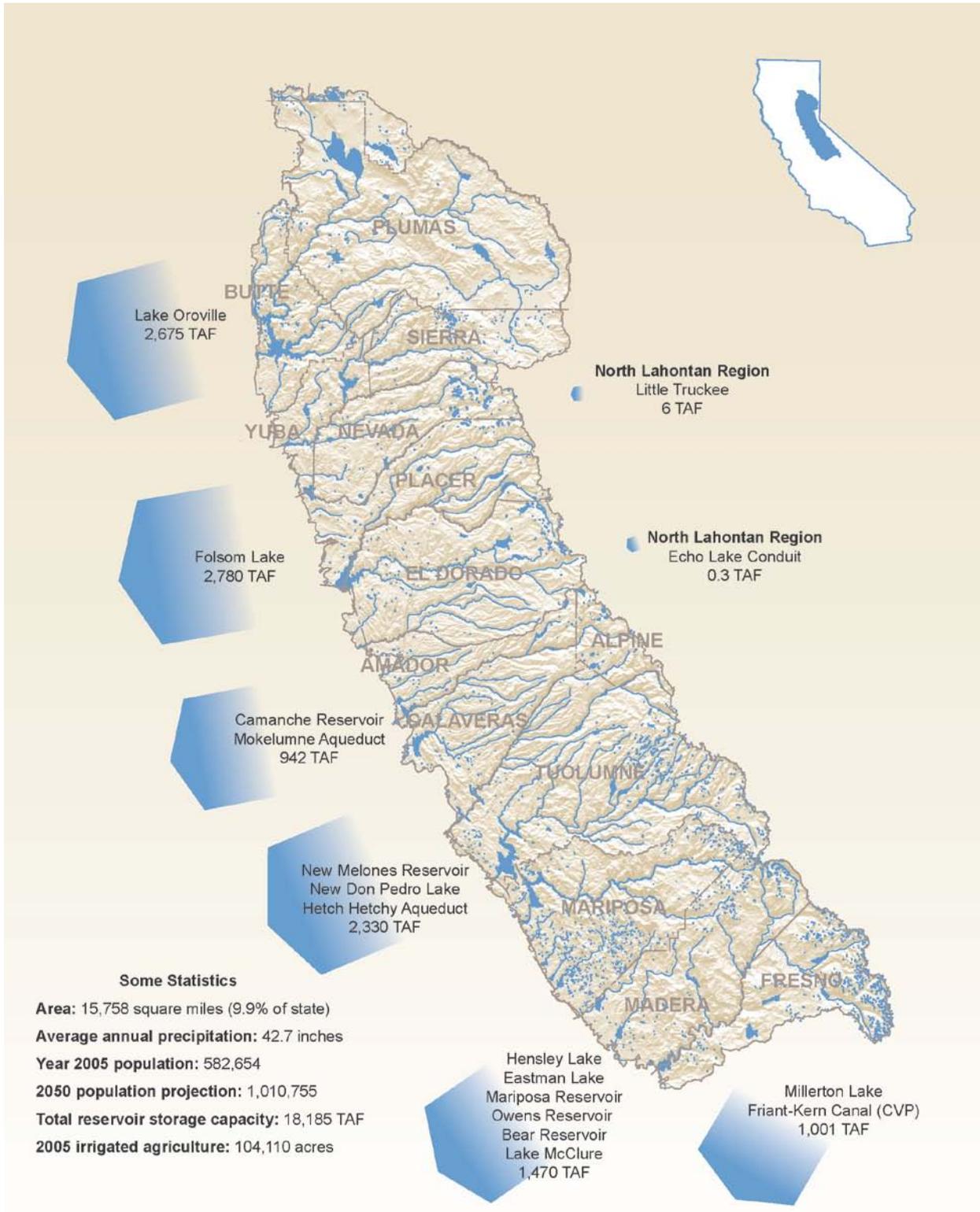
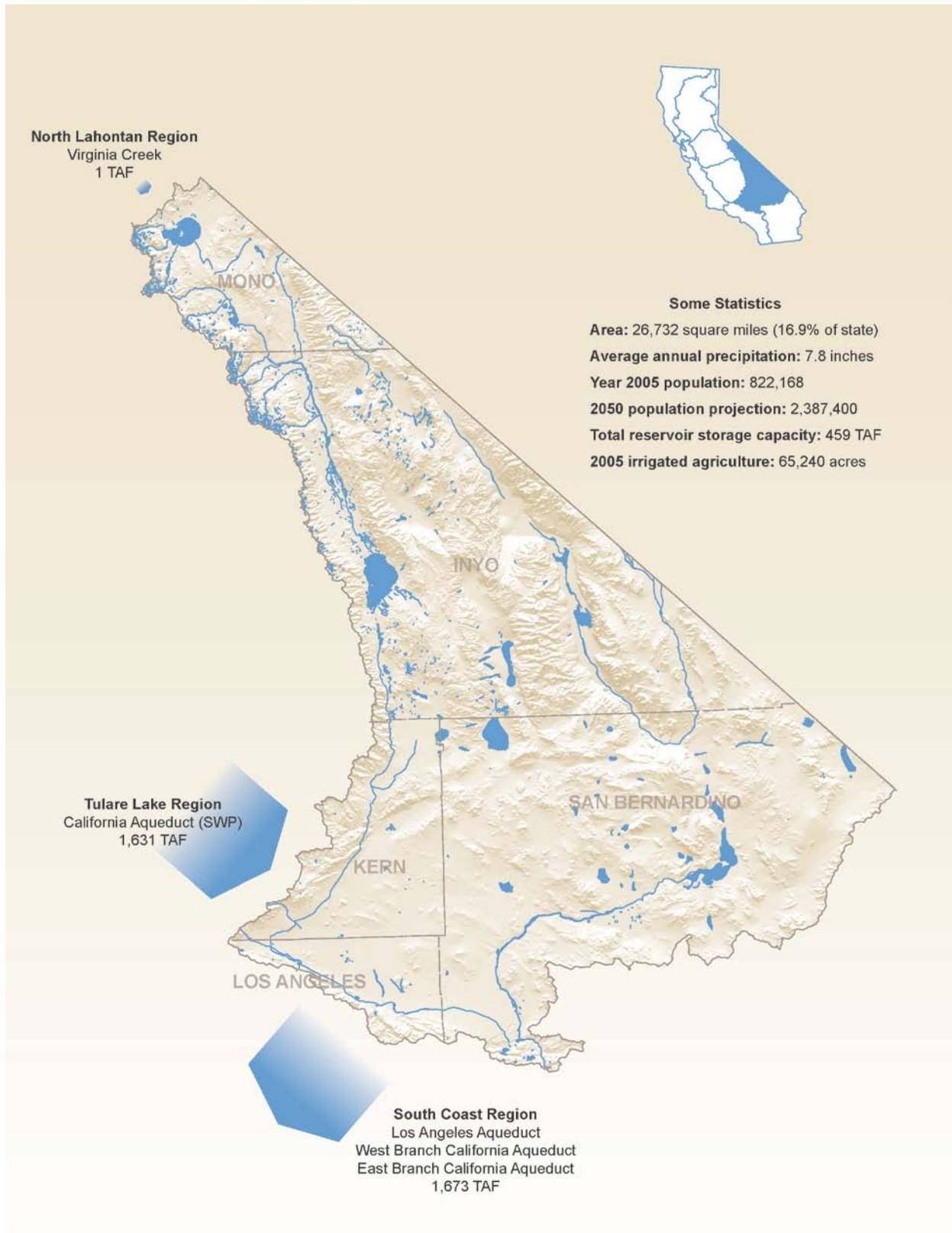


Figure SL-1 South Lahontan Hydrologic Region 2005 inflows and outflows



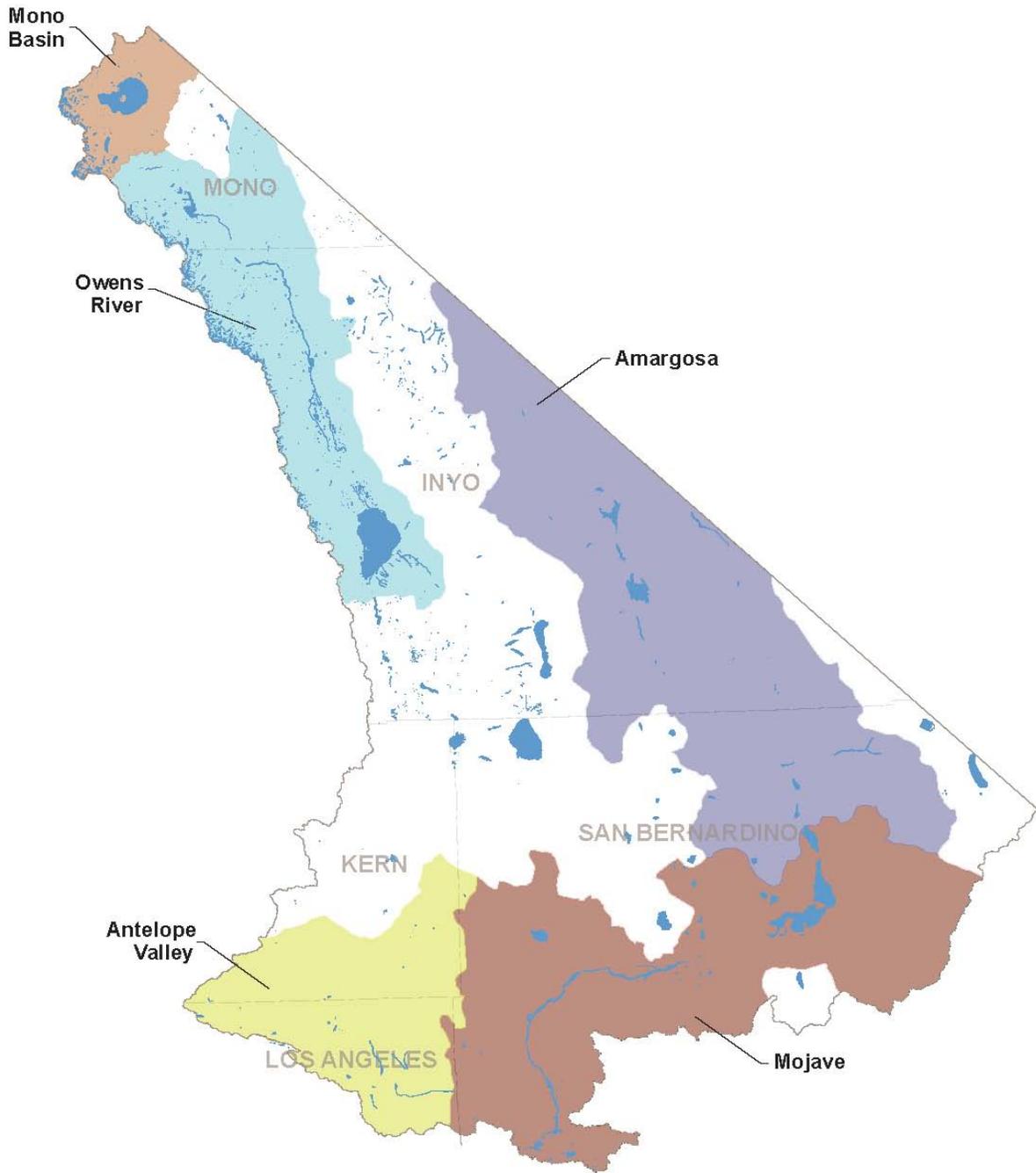
**Figure SR-1 Sacramento River Hydrologic Region 2005 inflows and outflows**



**Figure SF-2 Largest local watersheds in San Francisco Bay Area**



**Figure SL-2 Watersheds and ecosystems in the South Lahontan Hydrologic Region**



**Table CC-1 Land use conversion of farm and grazing land to nonagricultural, 2004 to 2006**

<b>County</b>	<b>Acres changed from agricultural to non-agricultural use</b>	<b>Total acres in region changed from 2004 to 2006</b>
Santa Cruz	1,152	Approximately 35,146
Santa Clara	4,563	
San Benito	6,395	
Monterey	5,850	
San Luis Obispo	12,567	
Santa Barbara	4,619	
Data from California Department of Conservation, Division of Land Resource Protection, Farmland Mapping and Monitoring Program.		

Figure SJ-2 San Joaquin River Hydrologic Region land use

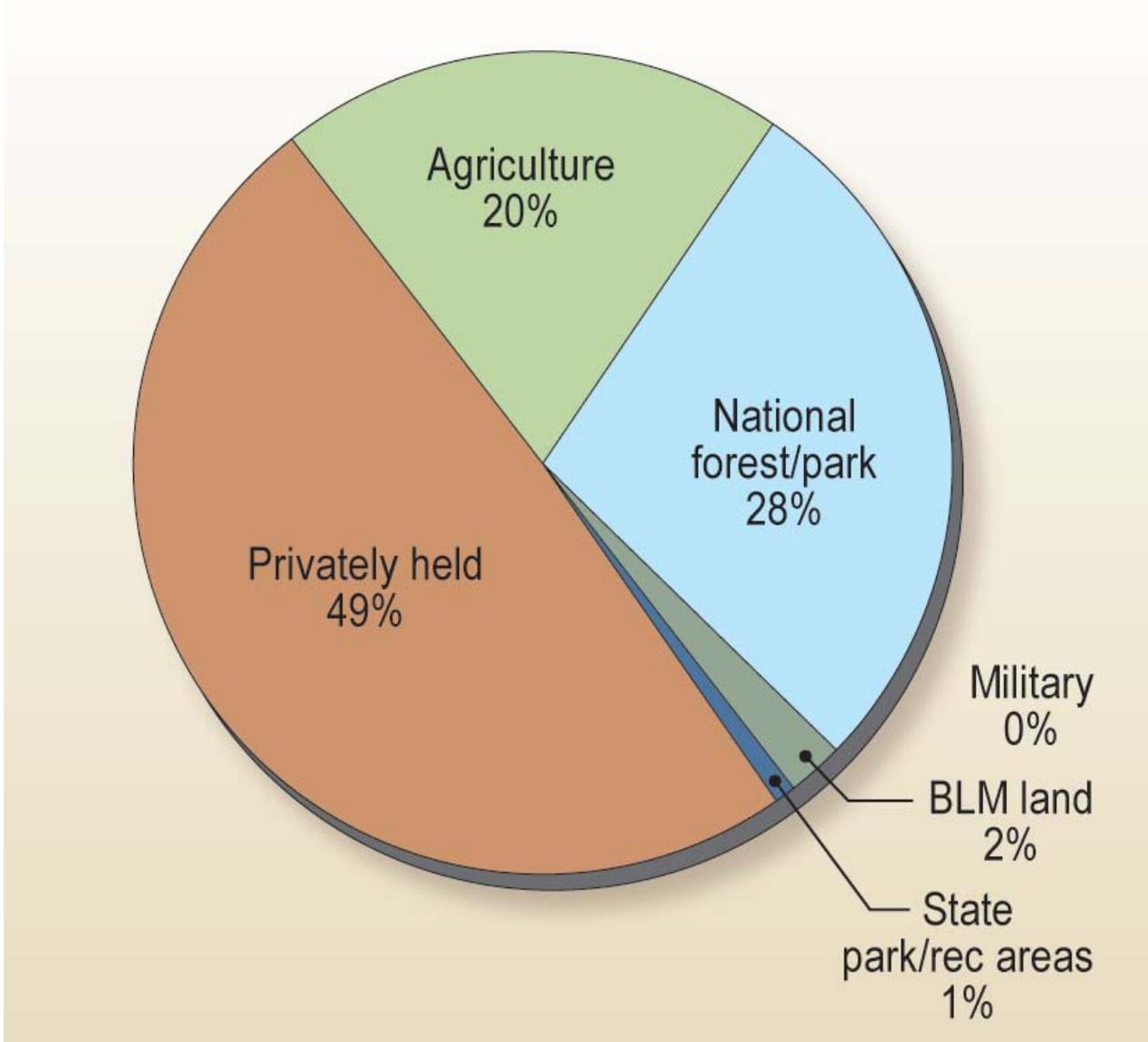


Figure SR-3 Regional acceptance process, IRWM regions, Sacramento River Hydrologic Region

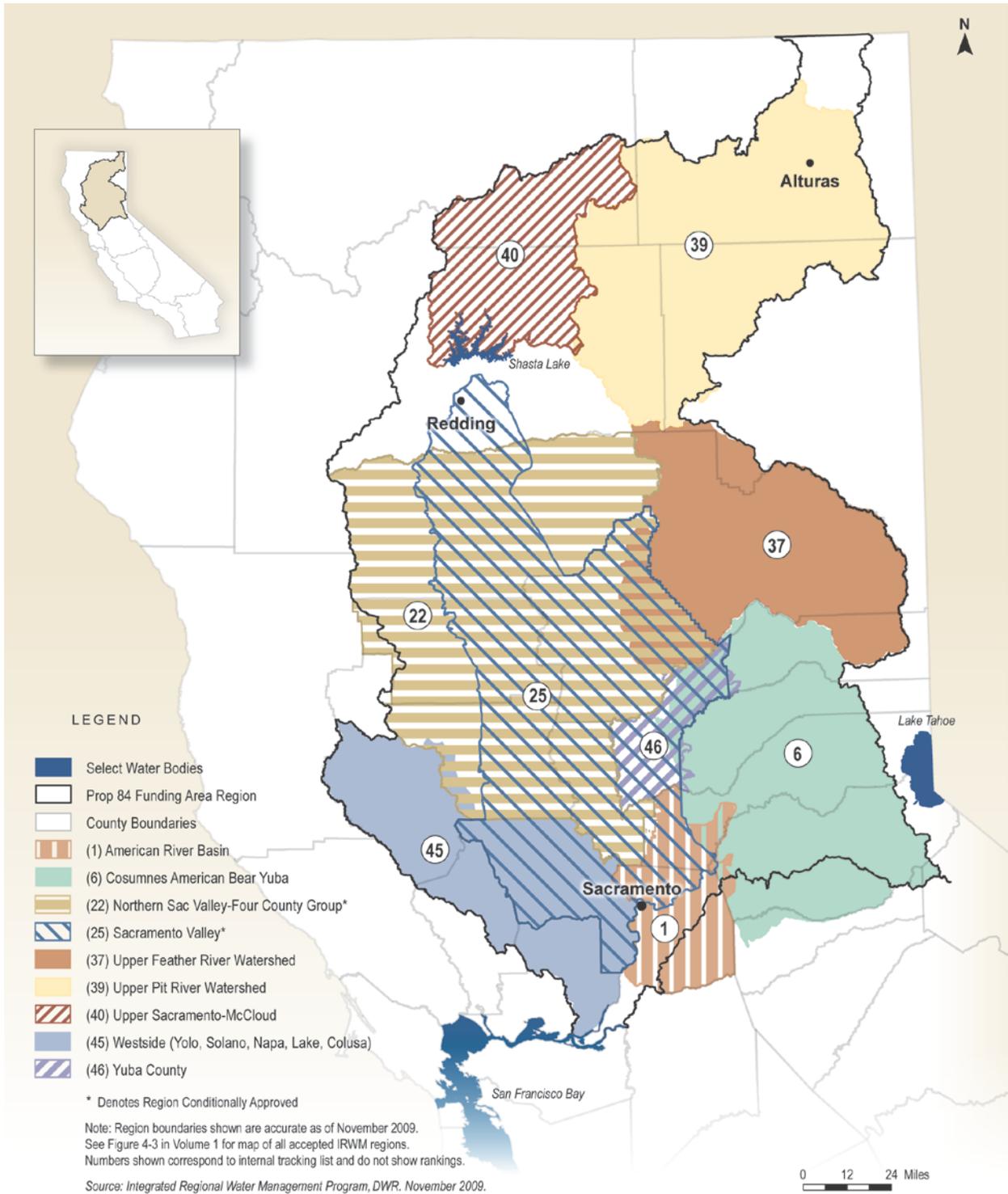


Table SF-3 Water Governance and planning, San Francisco Bay Hydrologic Basin

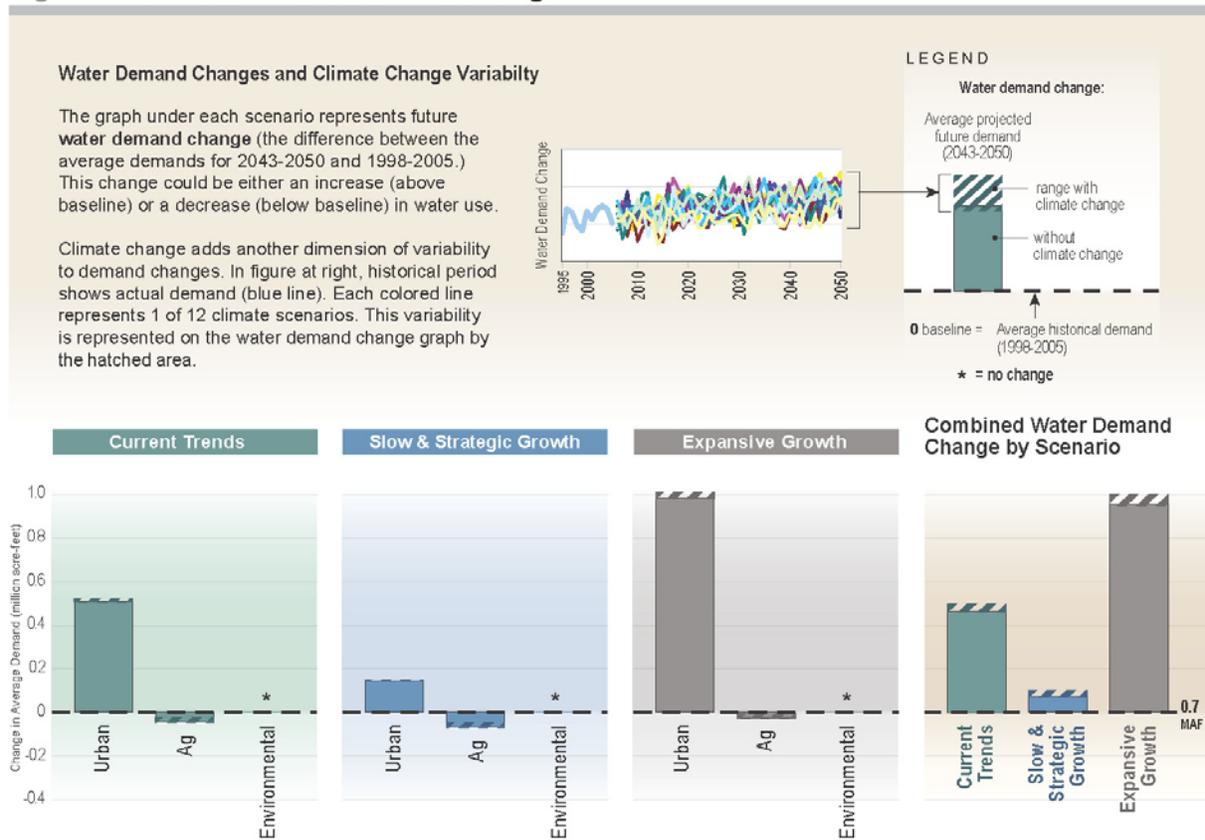
<b>Organization</b>	<b>Legal Status</b>	<b>Purpose</b>
Local water and wastewater agencies and districts	Local government	Water storage and delivery, wastewater treatment
Importing water agencies (EBMUD, HHW&P, SWP, CVP, numerous others)	Local government, state and federal projects	Water storage and delivery, wastewater treatment, flood management
City and county governments	Local government	Water delivery, wastewater treatment, flood management, land use zoning
Regulating agencies (SWRCB, RWQCB, DPH, DSOD, FERC)	State and federal government	Regulation of water diversions, water quality, hydroelectric projects, dam safety
IRWM planning members (numerous)	Varies	Regional water plan development and implementation

Table SF-4 Strategies of Integrated Regional Water Management Planning Effort

Strategy	San Francisco Bay Area IRWMP	Solano IRWMP and Strategic Plan	Napa-Berryessa IRWMP <sup>1</sup>	Tomales Bay ICWMP	East Contra Costa IRWMP <sup>1</sup>
	November 2006	February 2005	July 2005	July 2007	June 2006
Conjunctive use	✓	✓			✓
Desalination	✓			✓	✓
Ecosystem restoration	✓	✓	✓	✓	✓
Education and outreach	✓	✓			
Environmental and habitat protection and improvement	✓	✓		✓	✓
Flood management	✓	✓		✓	✓
Groundwater banking	✓	✓			
Groundwater management	✓		✓	✓	✓
Imported water	✓	✓			✓
Increase conveyance capacity and utilization		✓			
Infrastructure reliability	✓				
Interties	✓				
Land use planning	✓			✓	✓
Monitoring and modeling	✓	✓			
Nonpoint source pollution control	✓	✓		✓	✓
Optimize delivery of water to end users		✓			
Recreation and public access	✓			✓	✓
Regional cooperation	✓	✓			
Storm water capture and management	✓	✓		✓	✓
Surface storage	✓	✓		✓	✓
Water and wastewater treatment	✓	✓		✓	✓
Water conservation	✓	✓		✓	✓
Water quality protection and improvement	✓	✓	✓	✓	✓
Water recycling	✓			✓	✓
Water supply reliability	✓	✓	✓	✓	✓
Water transfers	✓	✓			✓
Watershed planning	✓			✓	✓
Wetlands enhancement and creation	✓			✓	✓

Note: The summary information contained in these tables was obtained from various IRWM plans. For additional details or information related to a specific plan, please consult the current version of the plan or its authors.

**Figure SL-7 2050 Water Demand Changes**



Drinking Water -- Inventory of Community Water Systems				
Preliminary Data - March 12, 2012				
(Note: Systems may be missing)				
Sacramento River HR				
Water System Size	No. of Community Systems	% of Community Systems in HR	Population Served	% of Population Served
Large (> 10,000 Pop)	42	7%	2,246,781	83%
Medium (3301 - 10,000 Pop)	41	7%	260,428	10%
Small (500 - 3300 Pop)	93	15%	133,696	5%
Very Small (< 500 Pop)	427	71%	54,933	2%
<b>TOTAL</b>	<b>603</b>		<b>2,695,838</b>	
San Joaquin River HR				
Water System Size	No. of Community Systems	% of Community Systems in HR	Population Served	% of Population Served
Large (> 10,000 Pop)	31	6%	1,488,181	82%
Medium (3301 - 10,000 Pop)	37	8%	190,204	10%
Small (500 - 3300 Pop)	76	15%	96,163	5%
Very Small (< 500 Pop)	349	71%	49,445	3%
<b>TOTAL</b>	<b>493</b>		<b>1,823,993</b>	
Tulare Lake HR				
Water System Size	No. of Community Systems	% of Community Systems in HR	Population Served	% of Population Served
Large (> 10,000 Pop)	36	8%	1,796,565	86%
Medium (3301 - 10,000 Pop)	23	5%	151,125	7%
Small (500 - 3300 Pop)	72	15%	98,390	5%
Very Small (< 500 Pop)	341	72%	46,364	2%
<b>TOTAL</b>	<b>472</b>		<b>2,092,444</b>	