

Regional Report

South Lahontan Hydrologic Region

California Water Plan

Update 2009

Regional Workshop

March 5, 2008 – Apple Valley, CA



SOUTH LAHONTAN REGION

North Lahontan Region
Virginia Creek
Flow in TAF
1998 2000 2001



Tulare Lake Region
California Aqueduct (SWP)
Flow in TAF
1998 2000 2001
917 1,309 1065

South Coast Region
Los Angeles Aqueduct
California Aqueduct (SWP)
Flow in TAF
1998 2000 2001
1,286 1,695 1,255



Some Statistics

- . Area - 26,732 square miles (16.9% of State)
- . Average annual precipitation - 7.8 inches
- . Year 2005 population - 810,000
- . 2030 population projection - 1,266,375
- . Total reservoir storage capacity - 459 TAF
- . 2005 irrigated crop area - 71,200 acres

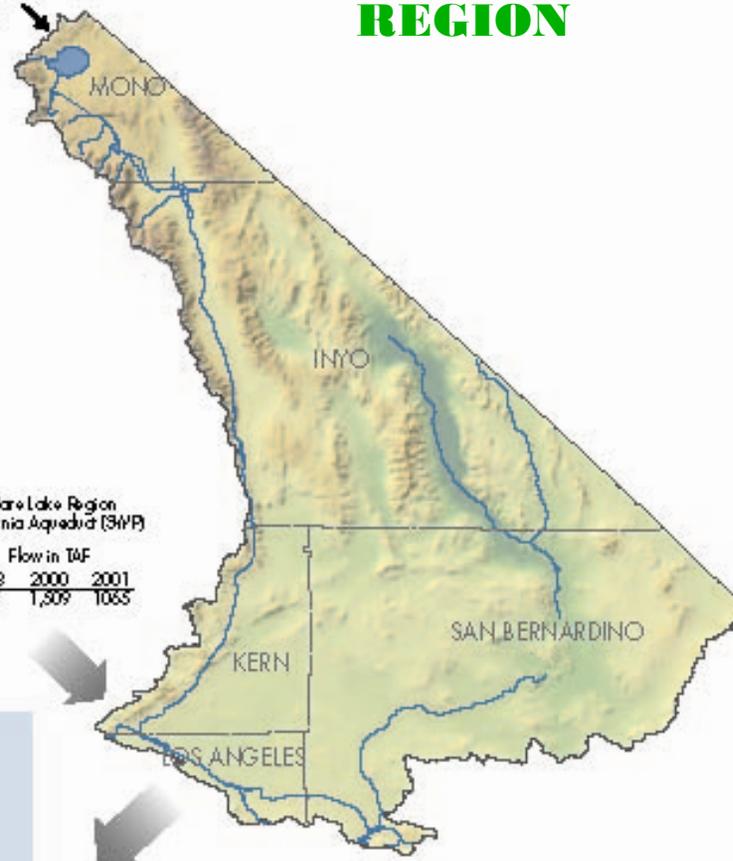
A SUMMARY OF THEMES SPECIFIC TO THE SOUTH LAHONTAN HYDROLOGIC REGION

(Palmdale Water District 7/10/07)

- Addition of regulatory setting.**
- Groundwater Management.**
- Conservation.**
- Recycled Water**
- Preparedness for Drought.**

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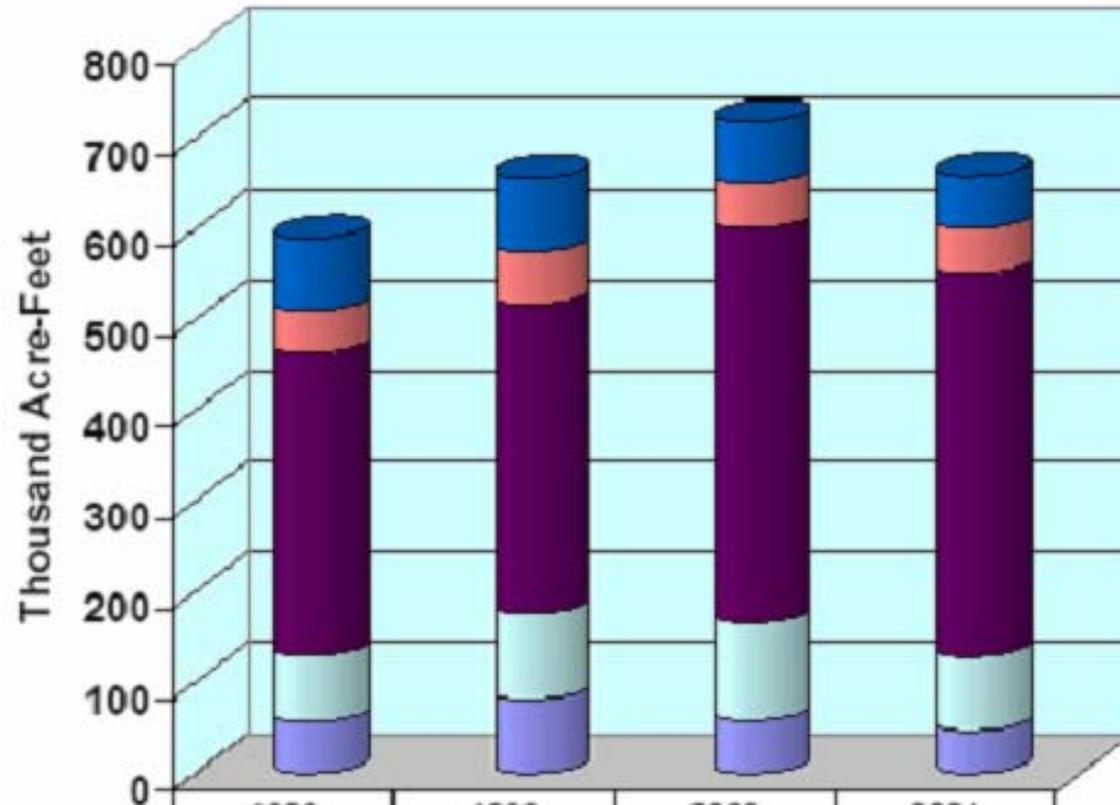
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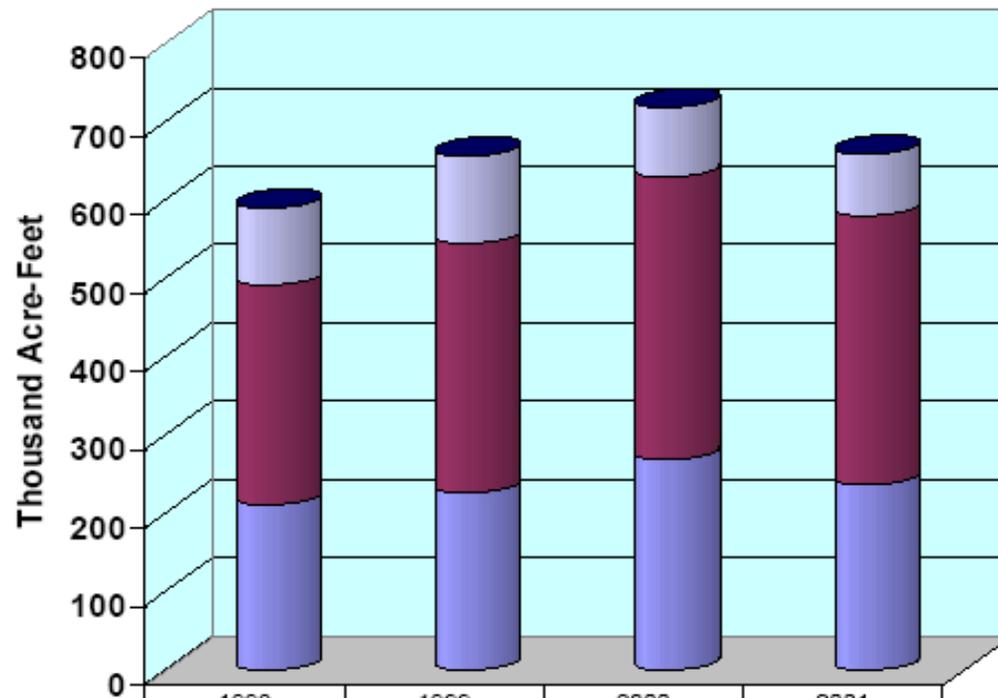
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South Lahontan Region Dedicated Supply for 1998 through 2001



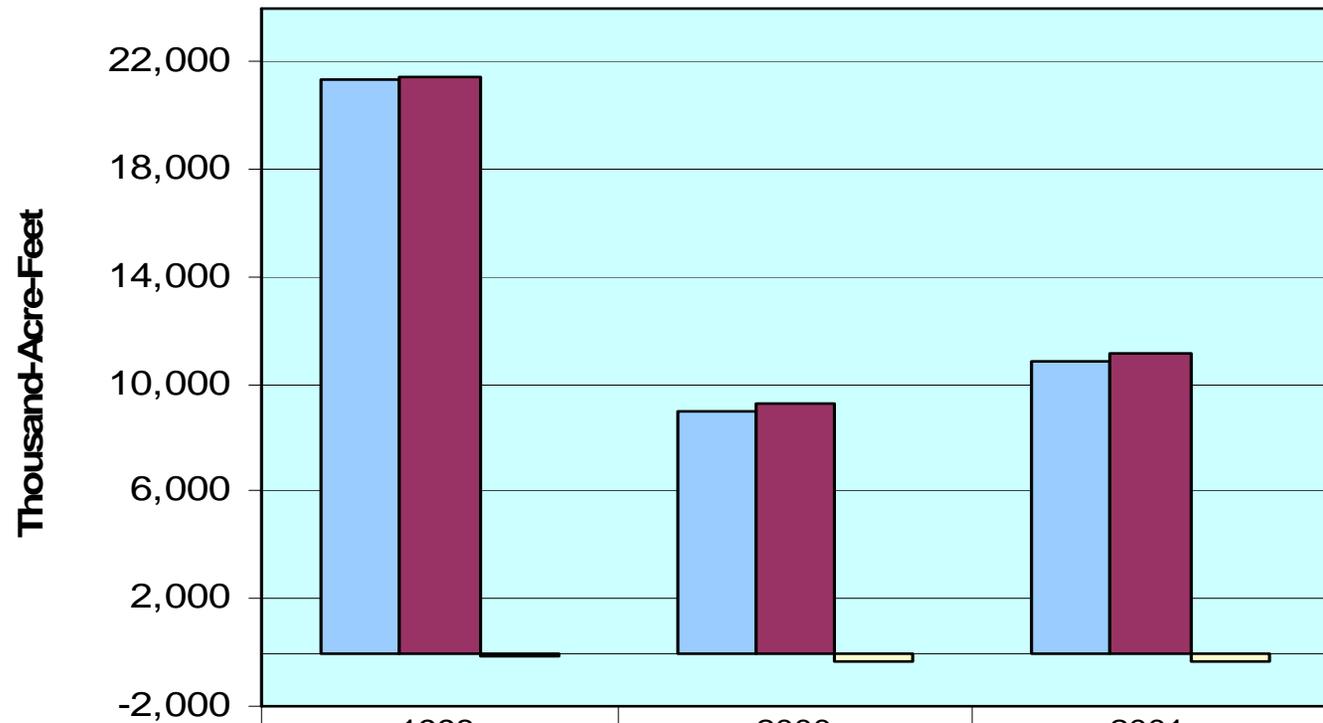
	1998	1999	2000	2001
■ Dedicated Environ	80	81	67	58
■ Reuse & Recycle	47	59	50	50
■ Ground Water	334	341	435	422
■ State Project	73	95	108	82
■ Federal Projects	0	0	0	0
■ Colorado Project	0	0	0	0
■ Local Projects	57	81	58	47

South Lahontan Region Applied Water for 1998 through 2001



	1998	1999	2000	2001
■ Wild & Scenic R.	0	0	0	0
■ Instream Flow	98	111	89	78
■ Req Delta Outflow	0	0	0	0
■ Managed Wetlands	0	0	0	0
■ Irrigated Agriculture	281	318	361	344
■ Urban	211	227	269	236

South Lahontan Region Water Balance Summary



	1998	2000	2001
Water Entering the Region	21,327	8,986	10,807
Water Leaving the Region	21,481	9,288	11,107
Storage Changes in the Region	-154	-302	-300

Regional Water Management Planning

- **California Water Plan**
- **Prop. 50 & 84 Integrated Regional Water Management Plans**
- **City & County General Plans (SB221/610)**
- **Court actions**
- **Other regional and sub-regional plans on water rights, water quality, ESA, contracts/transfers, and flood control**
- **Several regional, governmental, and water purveyors responding to planning, funding, implementation and O&M responsibilities**

State of Regional Planning

- **Bulletin 160-2005**
 - **Mojave Water Agency**
 - **Regional Water Management Plan Update**
 - **Victor Valley Wastewater Reclamation Authority**
 - **Recycle Water Study**
 - **Palmdale Water District**
 - **Water Facilities Master Plan**
 - **To examine future conditions**
- **Fall 2007 Workshops**
 - **Reliability of State Water Project**
 - **Water Quality**
 - **How planning efforts fit together**
 - **IRWMP Planning**
 - **Groundwater Management Plans**
 - **Urban Water Management Plans**
 - **Identification of proposed local projects**

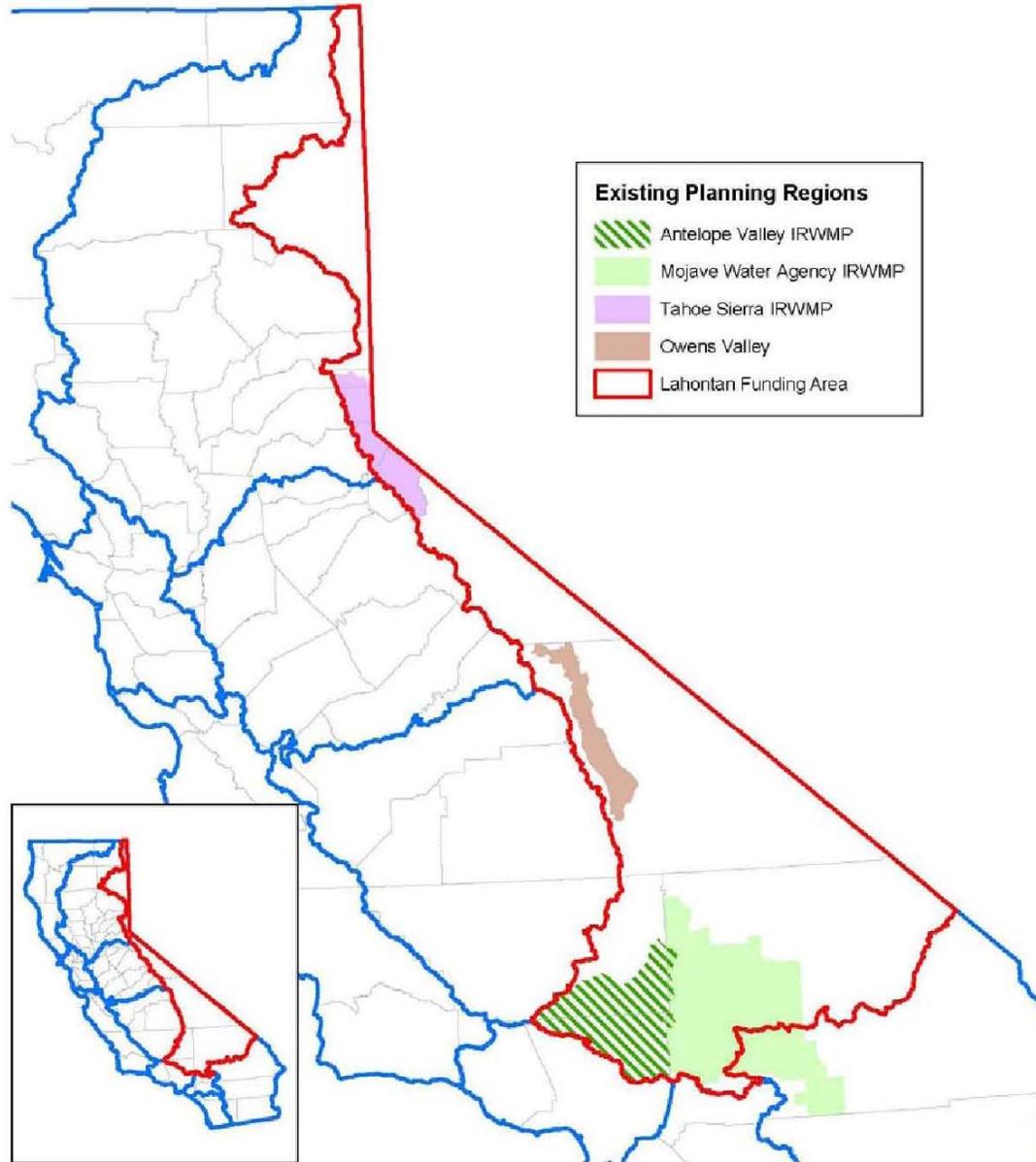
Interregional Relationships

- **Bulletin 160-2005**
 - **City of Los Angeles Aqueduct**
 - **State Water Project**
- **Fall 2007 Workshops**
 - **Regional Relationships and Coordination
Between Agencies**

South Lahontan Looking to the Future

- **Bulletin 160-2005**
 - Shortfalls in available water supplies in many areas
 - Declining groundwater levels
 - Antelope Valley Water Rights Litigation
 - Water quality issues
 - Some domestic water supply wells closed from contamination
- **Fall 2007 Workshops**
 - Examine water and wastewater infrastructure
 - Climate Change

PROPOSITION 84 Integrated Regional Water Management Program Lahontan Funding Area



Questions?



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