

Status of Water Transfers in California

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Status of Water Transfers in California



- **Transfer Trends**
- **Short Term Improvements**
- **Long Term Improvements**



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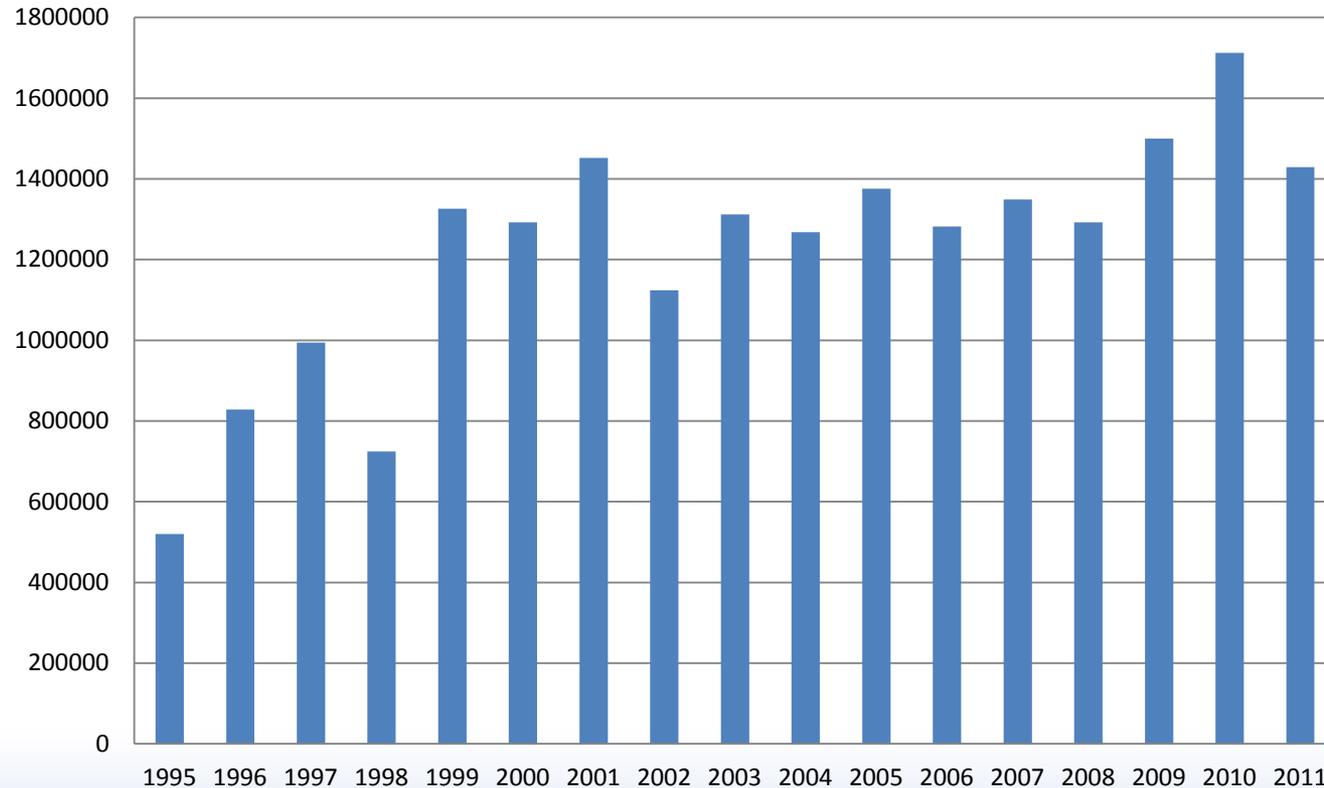
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Trends: Historical Transfers in CA

Annual Water Transfers Statewide 1995-2011
(acre-foot)



Source PPIC 2012



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Present Dry Conditions

Water Year 2012

- California's first dry year since 2007-09 drought
- Followed a wet 2011
- Generally good statewide reservoir & groundwater basin storage
- SWP allocation 65%, CVP south of Delta ag at 40%, Friant Class I at 50%
- Colorado River Basin continues dry, however very low probability of California shortage in this decade



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Present Dry Conditions

Water Year 2013

- Second dry year
- Very wet start to water year followed by record dry Jan-May; most reservoirs statewide replenished by wet early winter
- SWP allocation 35%, CVP south of Delta ag at 20%, Friant Class I at 62%
- Colorado River Basin continues dry, however very low probability of California shortage in this decade



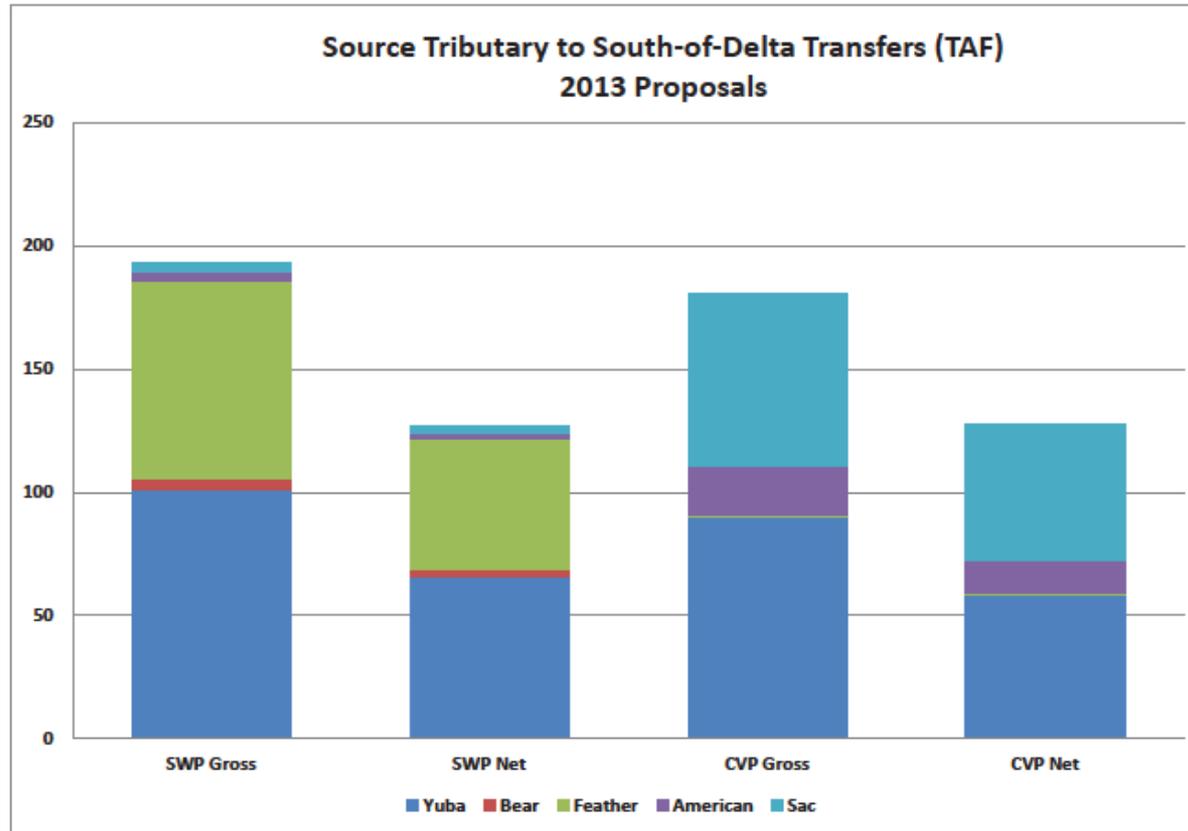
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Trends: 2013 Cross-Delta Water Transfers



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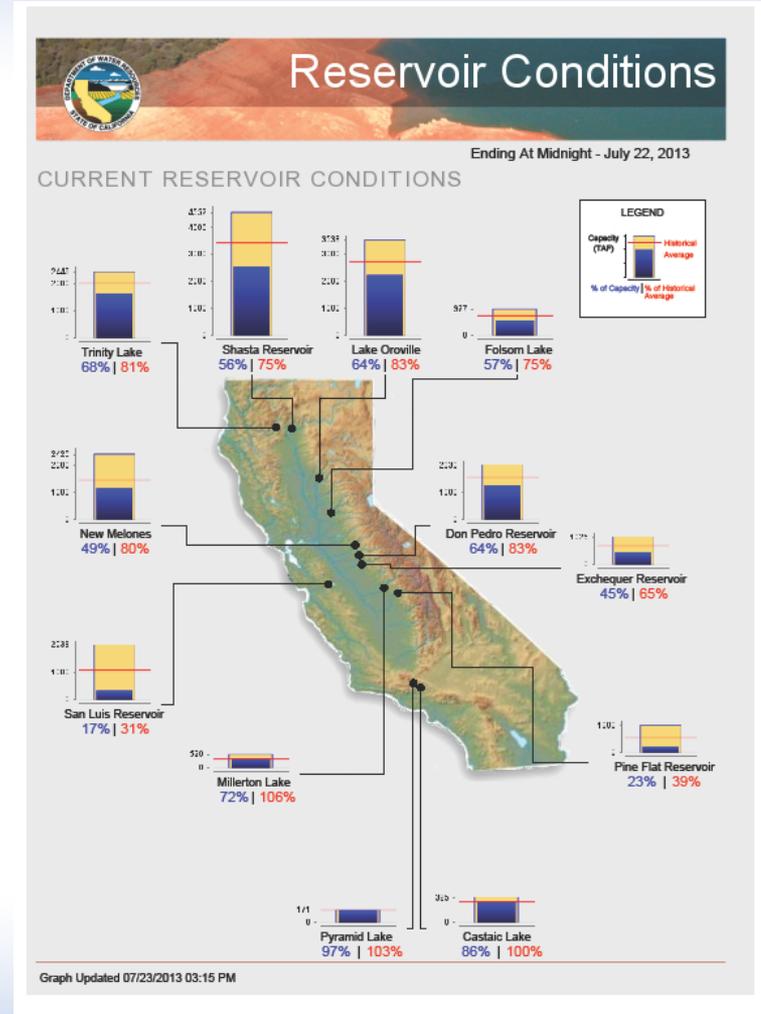
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Runoff and Storage - WY 2013

- Sacramento Four River Runoff ranks 24th percentile
- State 154 Reservoirs – End of September Storage Projected to be at 76% Average
- State Water Project- 2014 Initial allocation 5%



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Trends: Recommended Actions

Statewide Management of Water Transfers/Outreach

Action	California Water Action Plan (Oct. 2013)	U.S. Bureau of Reclamation	Buyers / Sellers
Prioritize Technical Issues	✓		
Address Real Water Supply, Cumulative, and Third Party Impacts	✓		
Single Agency Point of Contact	✓	✓	
Multi-Agency Review Teams	✓	✓	

Note: Many actions are similar to actions recommended for other functional groups.



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Trends: Recommended Actions

Technical, Operational, and Administrative Rules

Action	California Water Action Plan (Oct. 2013)	U.S. Bureau of Reclamation	Buyers / Sellers
Refine the Transfers Schedule	✓	✓	
Improve Outreach	✓	✓	
Regular Coordination w/ Applicants	✓	✓	
Prepare Technical Information Guide(s)	✓	✓	✓
Simplify Process and Reduce Costs	✓	✓	✓
Form Work Groups		✓	
Proposal Fast Tracking			✓
Develop Template Agreements			✓

Note: Many actions are similar to actions recommended for other functional groups.



Trends: Recommended Actions

Water Management Assessments

Action	California Water Action Plan (Oct. 2013)	U.S. Bureau of Reclamation	Buyers / Sellers
Crop Land Idling: Using Previous Water Information			✓
Groundwater Substitution Transfers: Using Previously Agreed Stream Flow Depletion Threshold			✓
Accept Wells for WY2014 Transfers Approved by DWR for Any Transfer Back to WY2009			✓

Note: Many actions are similar to actions recommended for other functional groups.



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Trends: Recommended Actions

Environmental and Local Ordinance Consideration

Action	California Water Action Plan (Oct. 2013)	U.S. Bureau of Reclamation	Buyers / Sellers
Consider Long-Term Environmental Document Covering Sellers North of Delta		✓	

Note: Many actions are similar to actions recommended for other functional groups.



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Trends: Recommended Actions

Operational Transfer System

Action	California Water Action Plan (Oct. 2013)	U.S. Bureau of Reclamation	Buyers / Sellers
Implement electronic water transfers information and tracking tool		✓	

Note: Many actions are similar to actions recommended for other functional groups.



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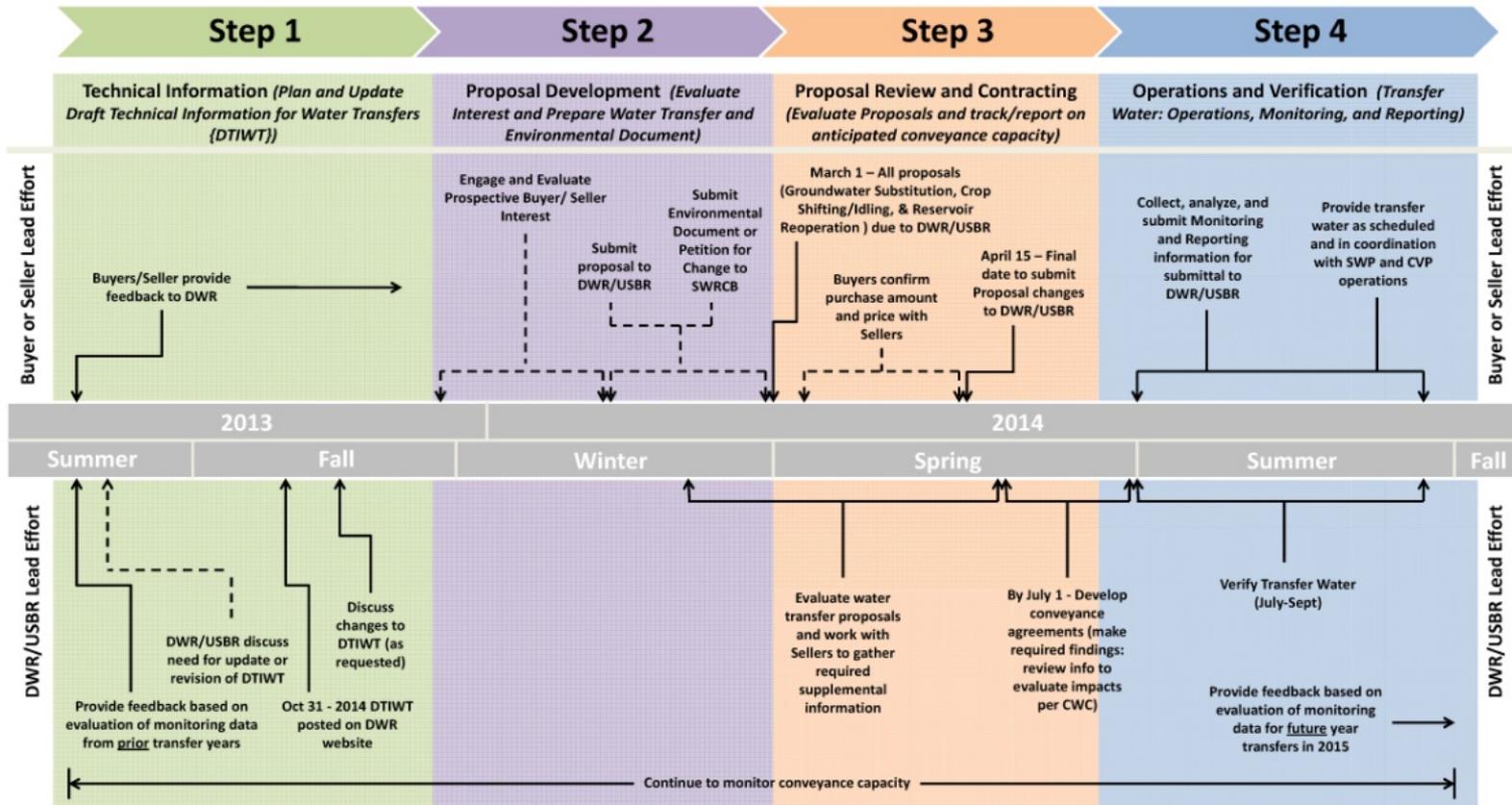
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Short Term Improvements

Process Streamlining

At-A-Glance - 2014 Water Transfer Process and Schedule



November 7, 2013

This 2014 At-A-Glance process/schedule with specific dates has been prepared to facilitate water transfers. When preparing water transfer material, please use this process/schedule in conjunction with the information provided in the 2014 Draft Technical Information for Preparing Water Transfer Proposals document.

---> Buyer/Seller OR DWR/USBR Activity -> Buyer/Seller AND DWR/USBR Activity



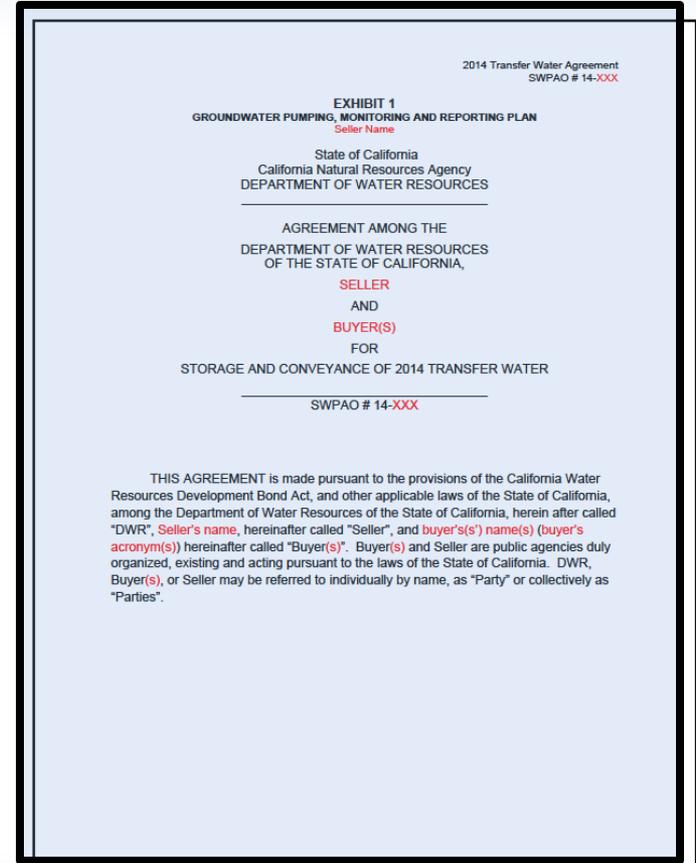
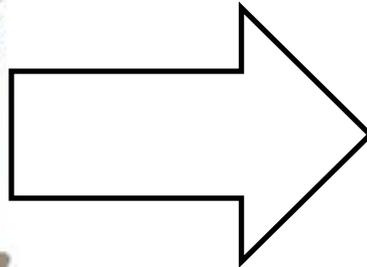
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Short Term Improvements Template Development



2013

Individualized agreements

2014

Standardized Conveyance agreement

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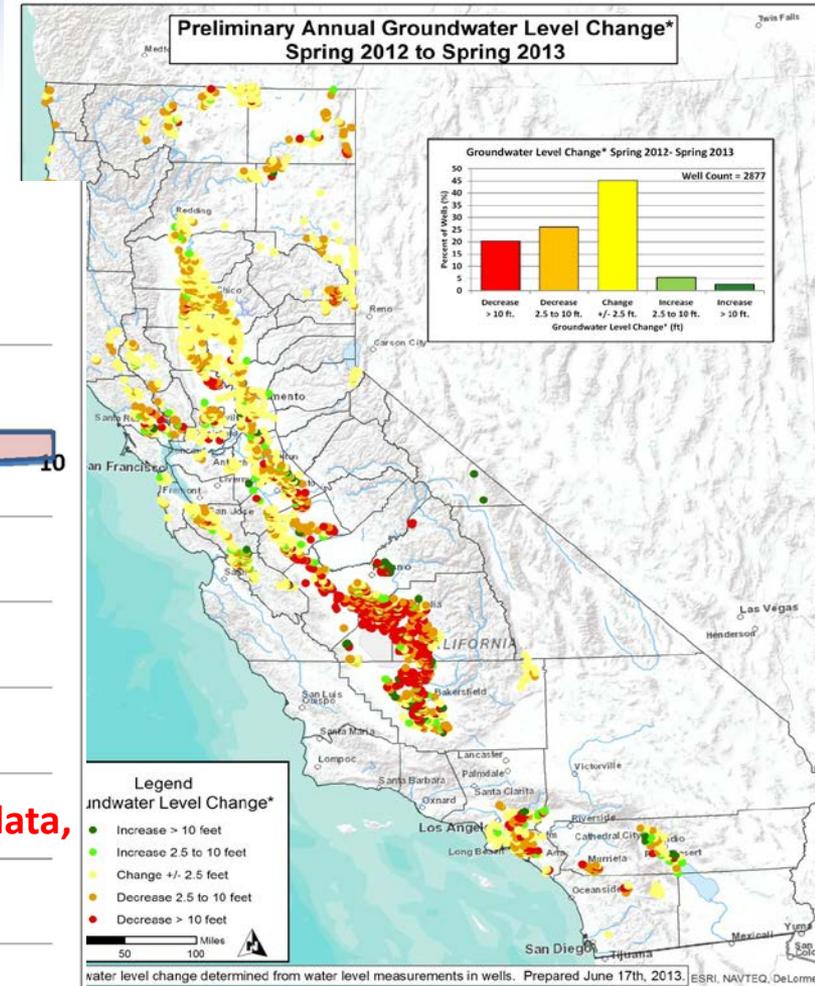
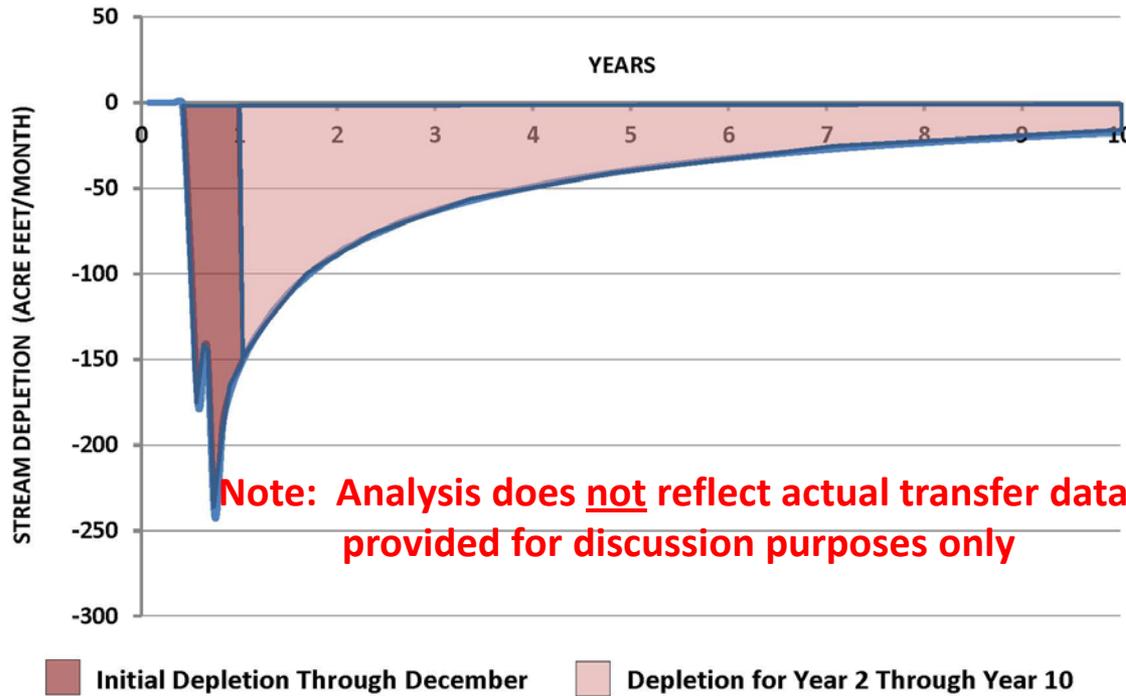
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Short Term Improvements Groundwater Substitution

ONE-YEAR SUBSTITUTION PUMPING TRANSFER 10,000 ACRE-FEET



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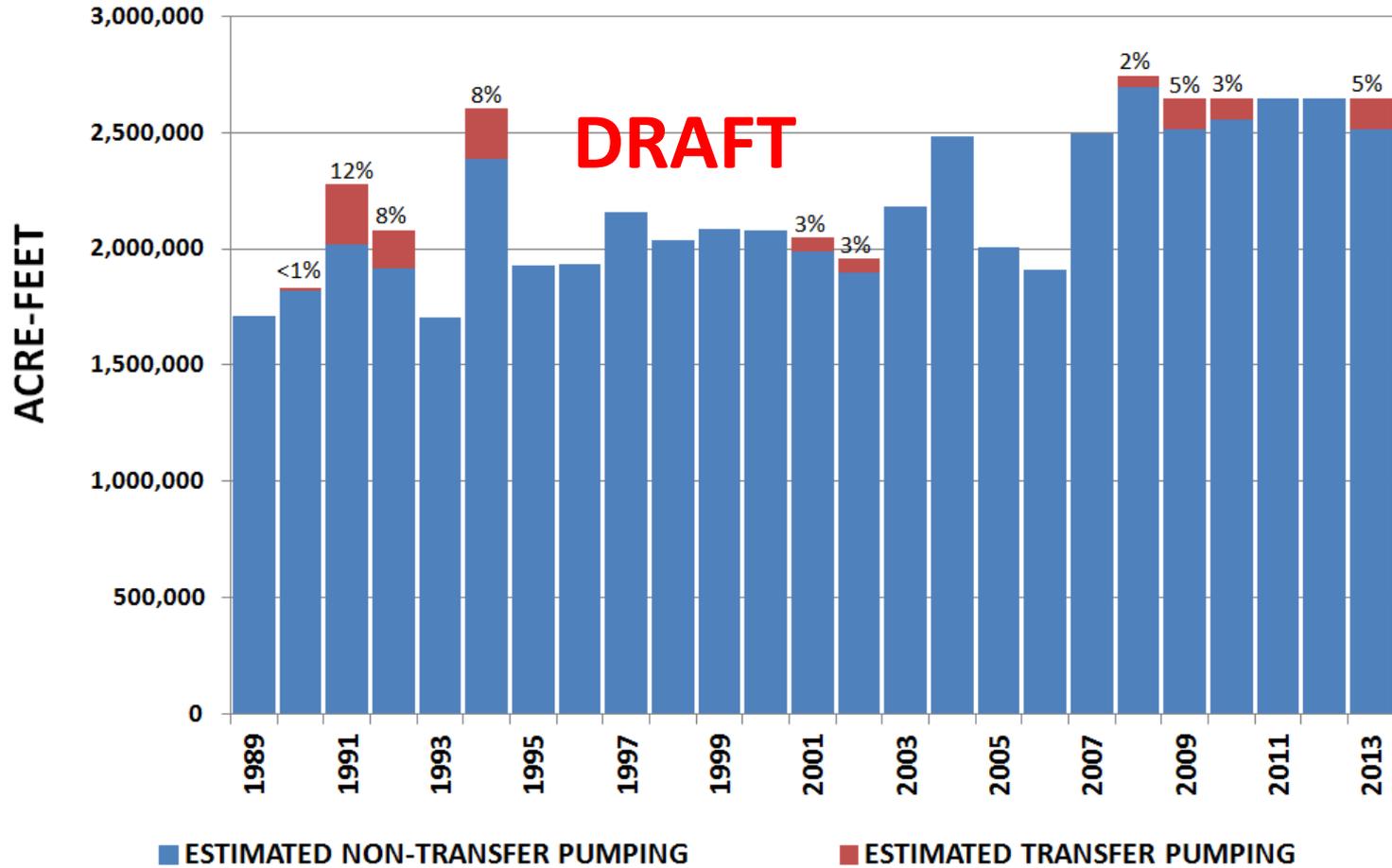
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Short Term Improvements Groundwater Substitution

Estimate of Groundwater Pumping -Sacramento Valley (24 Years)
Percents of Transfer Pumping of Total Pumping



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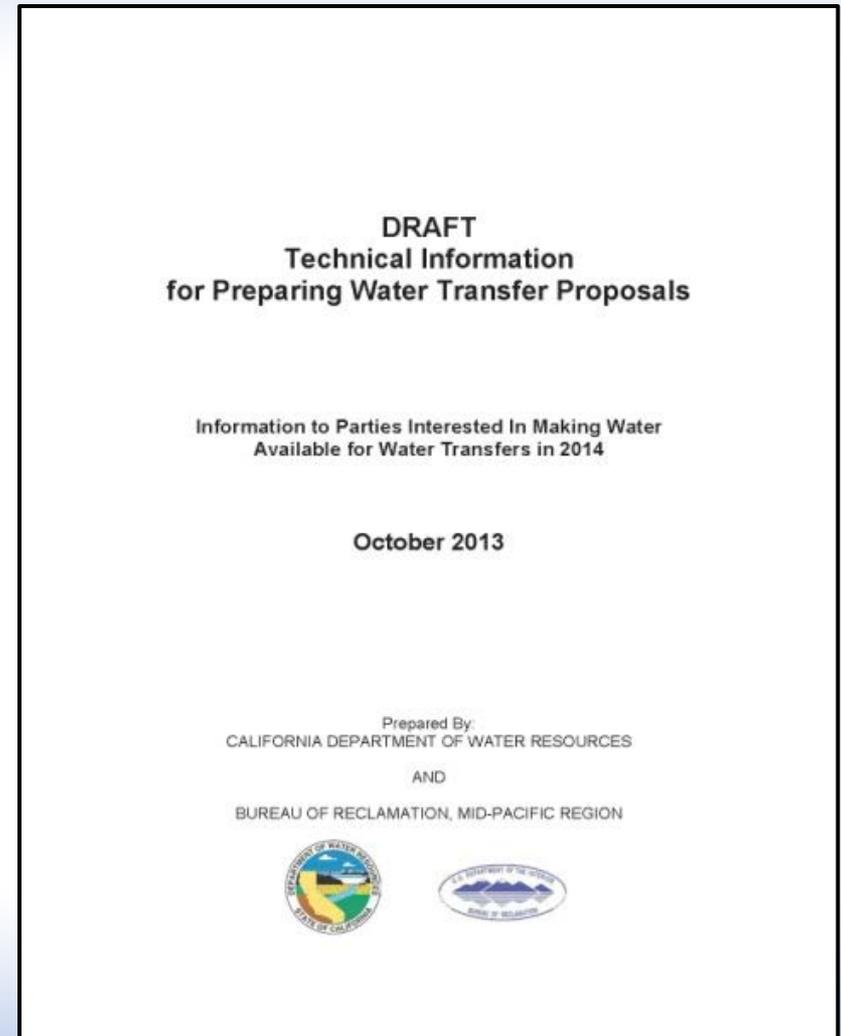
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Long Term Management Improvements

Guidance Restructuring

- **Policy Guidance (Process)**
 - SWP Storage and Conveyance
- **Engineering Technical Guidance**
 - GW Substitution
 - Land Use
 - Storage
- **Transfer Handbooks**



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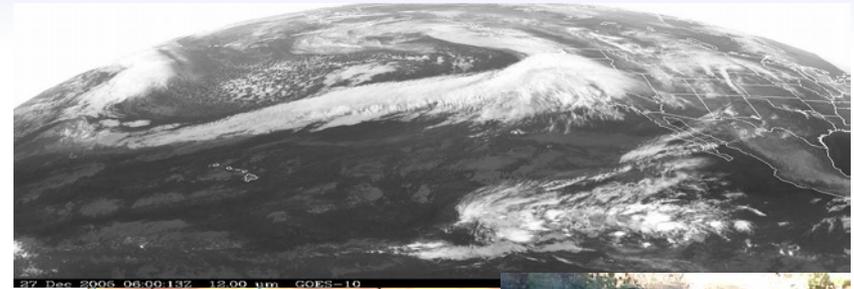


Long Term Management Improvements

Operational Transfer System

- **Precipitation/Runoff Forecasting**

- Enhance Data Collection Network
- QPF/Watershed Runoff Forecasting
- Snowmelt & Seasonal Volume Runoff Forecasting
- River Forecasting
- Forecast-Coordinated Operation of Reservoirs
- Integration of Flood Control and Water Supply Components of the Reservoirs
- Water Delivery Forecasts
- Transfer Scheduling
- Transfer Management Website



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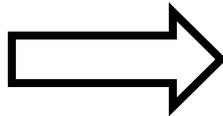


Long Term Management Improvements

Management Improvements

SEMS Structure

Developing single point-of-contact at DWR Exec for critical water shortage mgmt



	DWR Organization
Management	Executive, Legal, SWPAO, PAO
Operations	O&M, SWPAO, DFM
Planning/Intel	DIRWM, DSIWM, BDO, DES
Logistics	SWPAO, Bus. Services
Finance/Admin	SWPAO



Agency Alignment



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