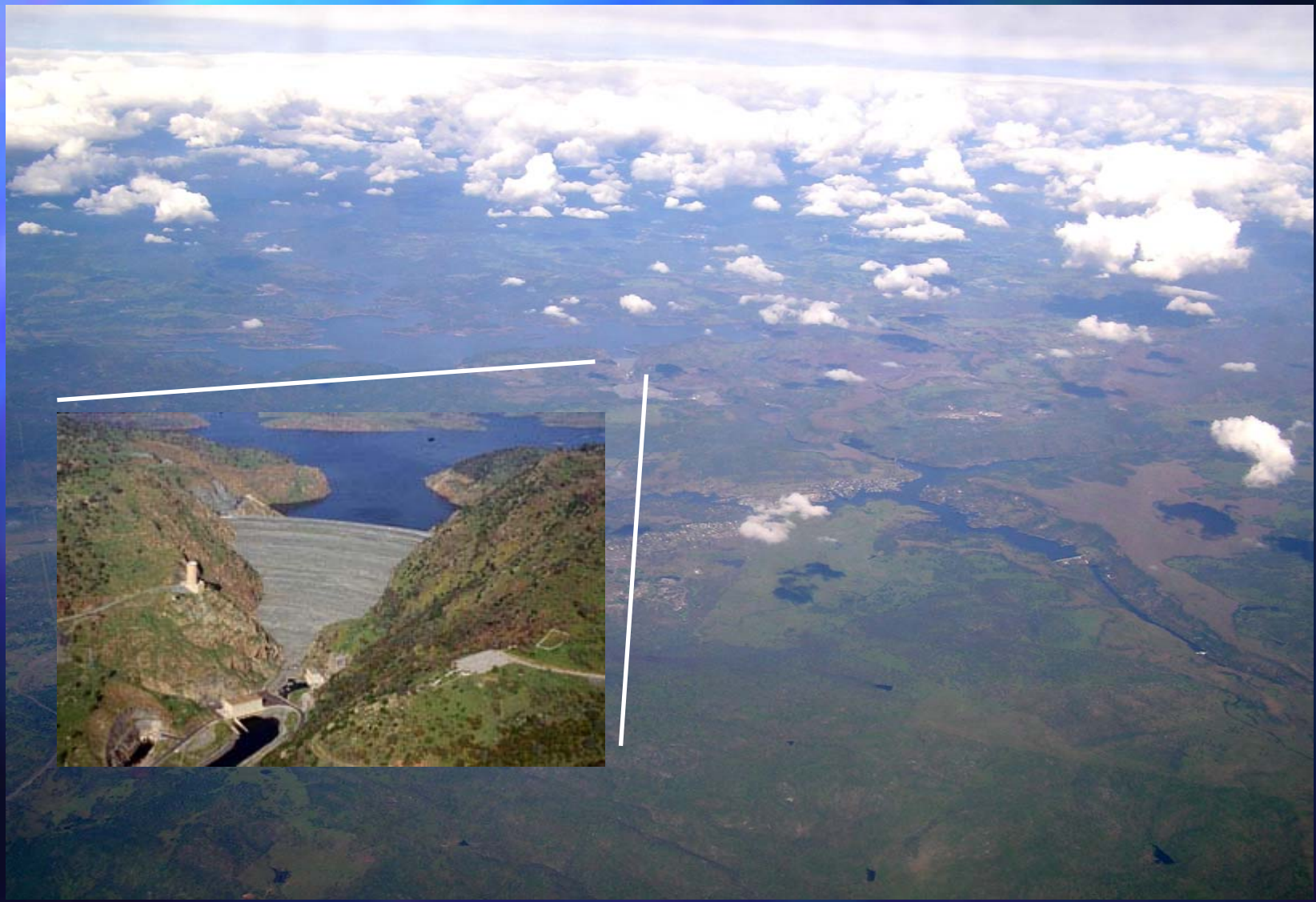
US Army Corps
of Engineers
Sacramento District
Water Management

Water Management

New Melones Dam and Lake



Water Management

New Melones Flood Control Requirements

- Water Control Manual, Jan 1980
  - Chapter 5, Flood Control Requirements
  - Chapter 6, General Project Operation
  - Chapter 7, Operational Controls
  - Appendix Part 1, Standing Instructions to Damtenders
  - Water Control Diagram
- Code of Federal Regulations (CFR) Title 33, Chapter II, Part 208.11

Water Management

New Melones Flood Control Requirements

Water Control Manual, Jan 1980

Freedom of Information Act (FOIA) request

District FOIA Officer, 916-557-7236

Code of Federal Regulations (CFR) Title 33, Chapter II, Part 208.11

http://www.access.gpo.gov/nara/cfr/cfr-table-search.html

Water Management

New Melones Flood Control Requirements

General Objectives

1. To restrict flows in the Stanislaus River d/s from New Melones dam to a controlling rate of 8,000 cfs at Orange Blossom Bridge
2. Provide the maximum conservation storage practicable without impairing the flood control function of the reservoir.

Water Management

New Melones Flood Control Requirements

General Objectives

3. Provide the maximum amount of power practicable without impairing the flood control and conservation functions of the reservoir.

4. Provide releases to enhance an anadromous fishery on the lower Stanislaus River.

Water Management

New Melones Flood Control Requirements

General Objectives

5. Provide release to meet established water quality objectives for the Stanislaus River and the San Joaquin River at Vernalis.

6. Maintain a minimum pool of 300,000 ac-ft for power and recreation.

US Army Corps of Engineers
Sacramento District
Water Management

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New Melones Water Control Diagram

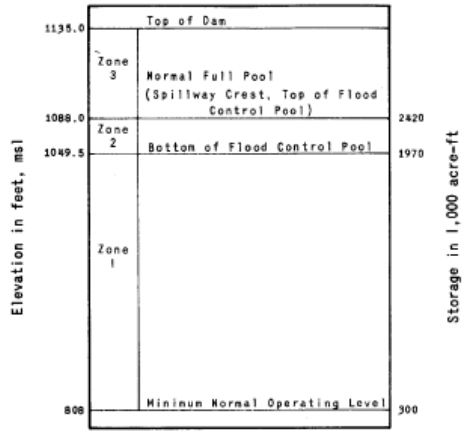


FIGURE A
BASIC FLOOD CONTROL OPERATION PROCEDURES

ZONE	REQUIRED ACTION
1	Normal power and conservation operation.
2	Follow operation procedure in Figure B, Flood Control Operation and Utilization of Flood Space. Notify Sacramento District personnel.
3	Initiate emergency operation and notify local authorities for possible evacuation of flood plain. The Flood Control and Irrigation Outlet will be operated to maintain the objective flow (8,000 cfs at Orange Blossom Bridge) as long as possible by gradually closing the outlets as pool rises above normal full pool elevation (1088.0 feet). For a receding pool, outlets will remain closed until objective flow has been obtained. The outlets will then be opened to maintain a total flow of 8,000 cfs at Orange Blossom Bridge. When the water surface has receded to normal full pool elevation resume flood control operation as in Zone 2. Notify Sacramento District personnel and request assistance if desired.

Control of Stanislaus River floodflows requires coordinated operation with Tulloch Reservoir.

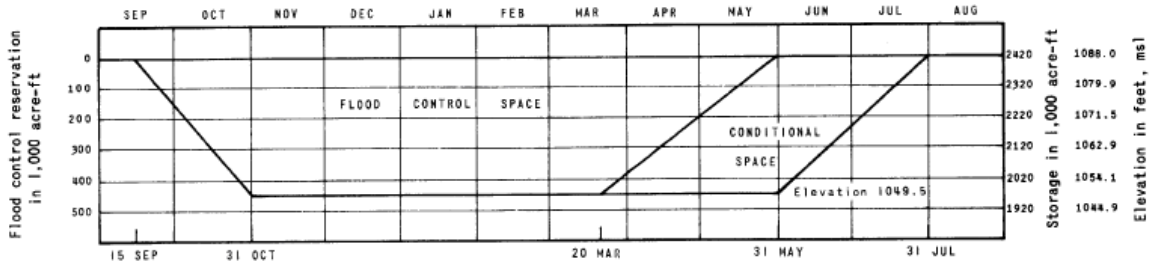


FIGURE B
FLOOD CONTROL OPERATION AND UTILIZATION OF FLOOD CONTROL SPACE

1. Whenever water is stored in the Flood Control Space it shall be released as rapidly as possible without causing flows in the Stanislaus River at Orange Blossom Bridge to exceed 8,000 cfs insofar as possible.
2. Whenever water is stored in the Conditional Flood Control Space releases shall be made at a sufficient rate, based on anticipated snowmelt runoff, so that the pool elevation will not exceed 1088 feet subject to the limitations in paragraph 1 above.

NEW MELONES LAKE
STANISLAUS RIVER, CALIFORNIA

FLOOD CONTROL DIAGRAM
NEW MELONES LAKE

Prepared pursuant to Flood Control Regulations for New Melones Dam and Lake in accordance with Code of Federal Regulations Title 33 Part 208.11

APPROVED: _____
Brigadier General, USA, Division Engineer
South Pacific Division

APPROVED: _____
Regional Director, WRS-Pacific Region

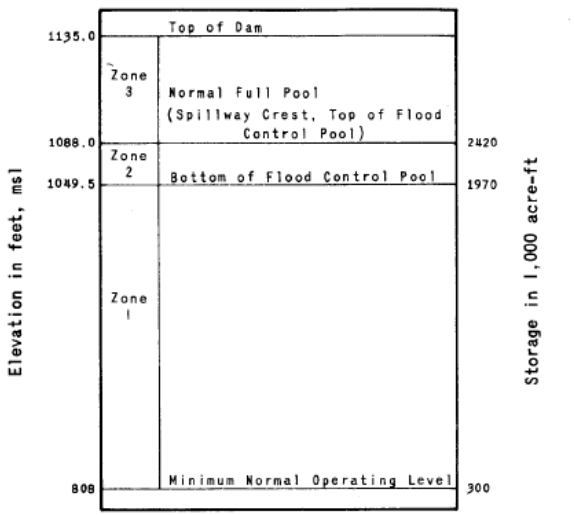
Effective Date: 2 JUL [illegible] File No. ST-I-26-352

CHART A-12

US Army Corps of Engineers
Sacramento District
Water Management

Water Management

New Melones Water Control Diagram



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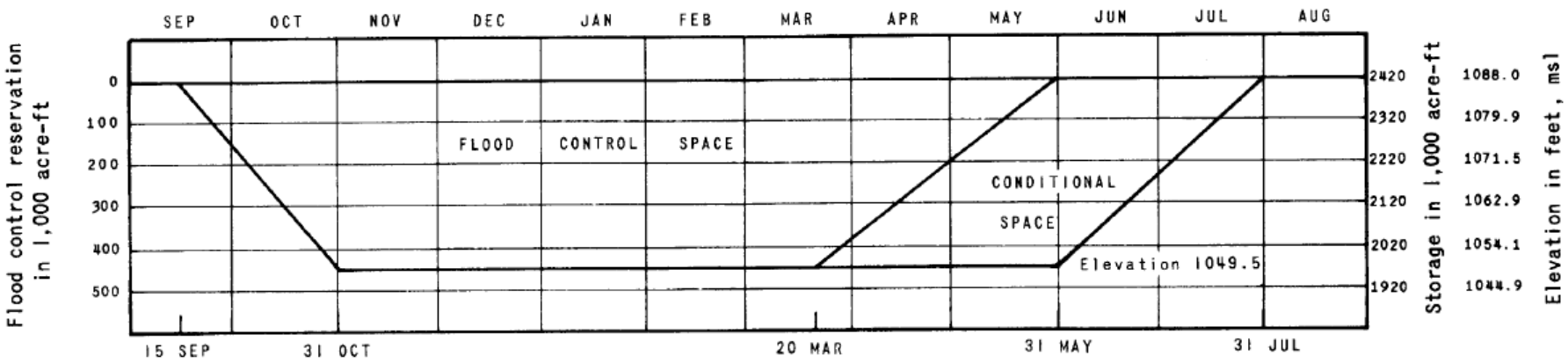
Water Management

New Melones Water Control Diagram



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of Stanislaus River floodflows requires

NEW MELONES LAKE
STANISLAUS RIVER, CALIFORNIA

Water Management

New Melones Water Control Diagram

Temporary Departures from the Water Control Requirements:

- Deviations from Approved Water Control Plans covered under South Pacific Division Guidance Regulation CESPD-R 1110-2-8.
- Agency requesting the deviation pays all study costs.
- Environmental Review will be required.
- More than one deviation is likely to require a formal change to the Water Control Diagram/Plan.

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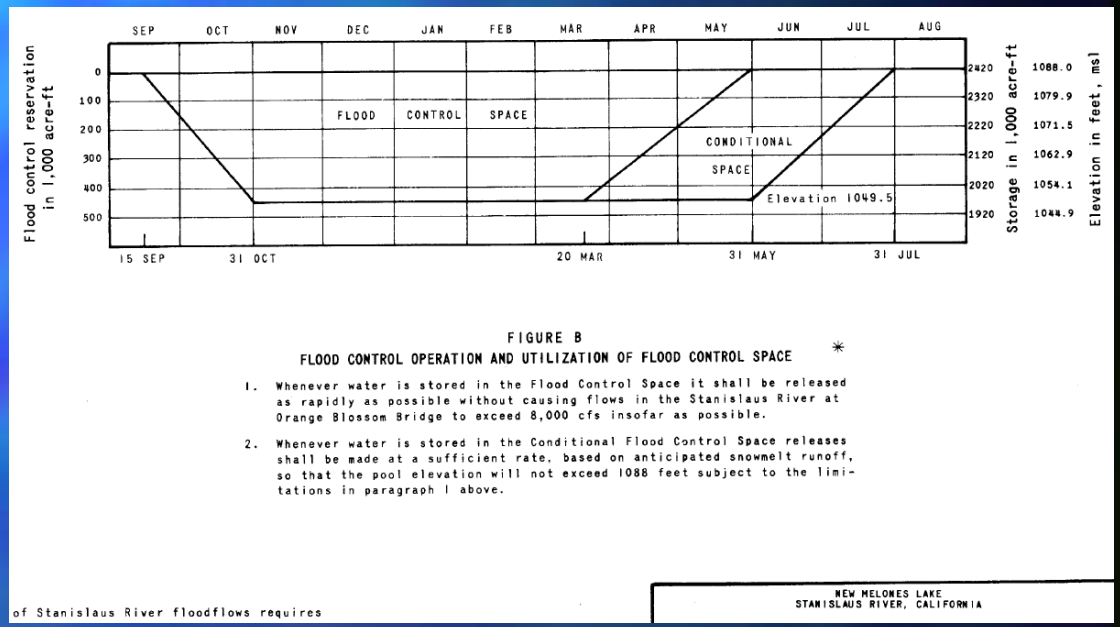
New Melones Water Control Diagram

Formal Changes to the Water Control Plan/Diagram:

- Studies would be required
- Scope of Study would be negotiated. Funding would have to be arranged
- Environmental Review would be required.
- Hydrology would be updated.
- Possibility of required increase in flood control space as a result of Hydrology update.



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of Stanislaus River floodflows requires

NEW MELONES LAKE
STANISLAUS RIVER, CALIFORNIA

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New Melones Information

http://www.usbr.gov/mp/ccao/nmrpo/

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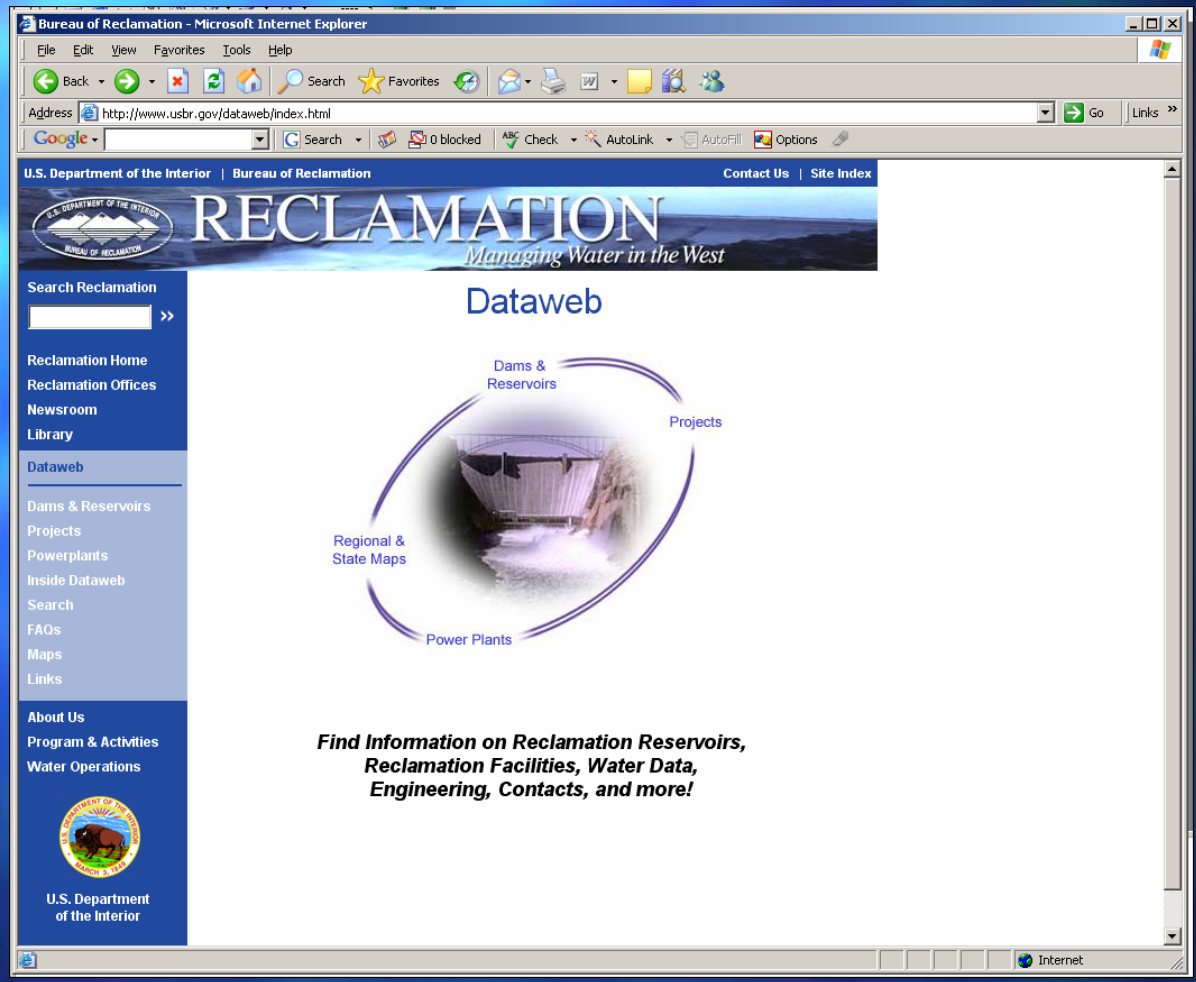
New Melones Information



http://www.usbr.gov/dataweb/index.html

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New Melones Information

http://www.usbr.gov/dataweb/html/newmelones.html

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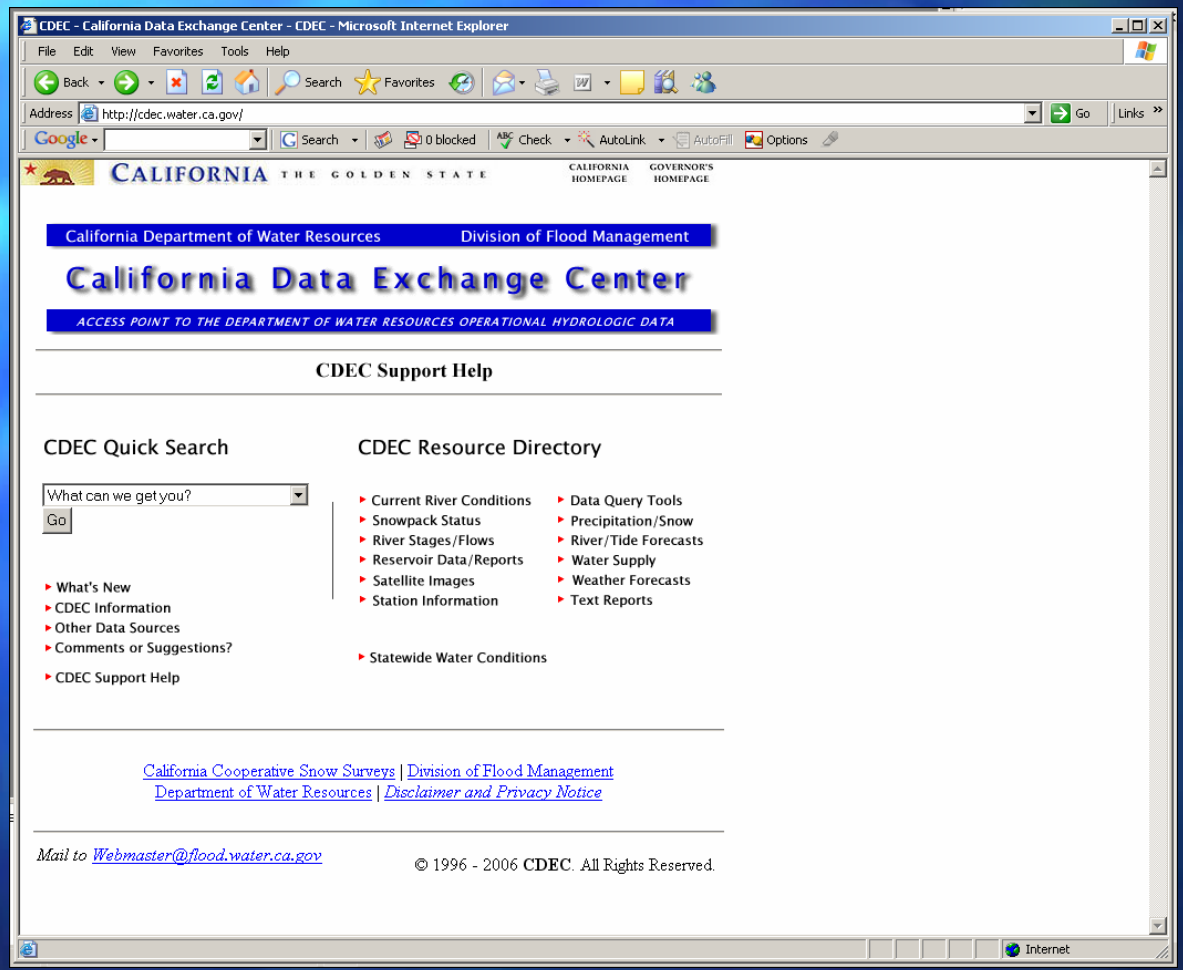
New Melones Information



http://cdec.water.ca.gov/

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Sacramento District
Water Management

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New Melones Information

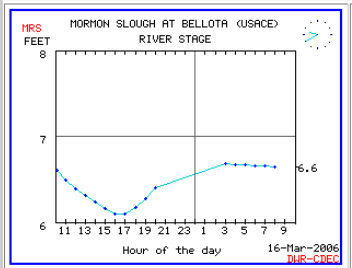
Calaveras and Stanislaus Rivers

Be sure to reload this page for up-to-date information.

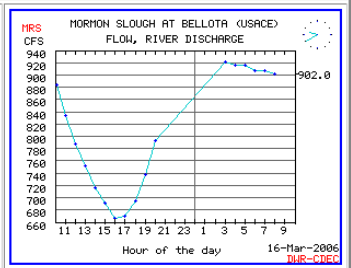
San Joaquin river forecast bulletin.

CALAVERAS R

Reservoir Data NEW HOGAN LAKE [NHG]



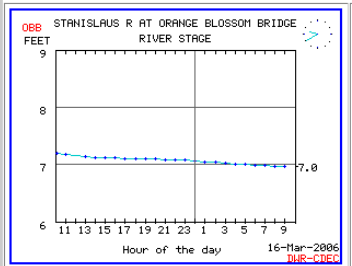
MORMON SLOUGH AT BELLOTA (USACE)



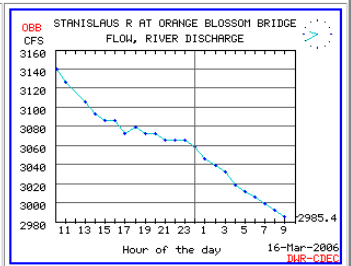
MORMON SLOUGH AT BELLOTA (USACE)

STANISLAUS R

Reservoir Data NEW MELONES RESERVOIR [NML]



STANISLAUS R AT ORANGE BLOSSOM BRIDGE



STANISLAUS R AT ORANGE BLOSSOM BRIDGE

http://cdec.water.ca.gov/river/stanStages.html

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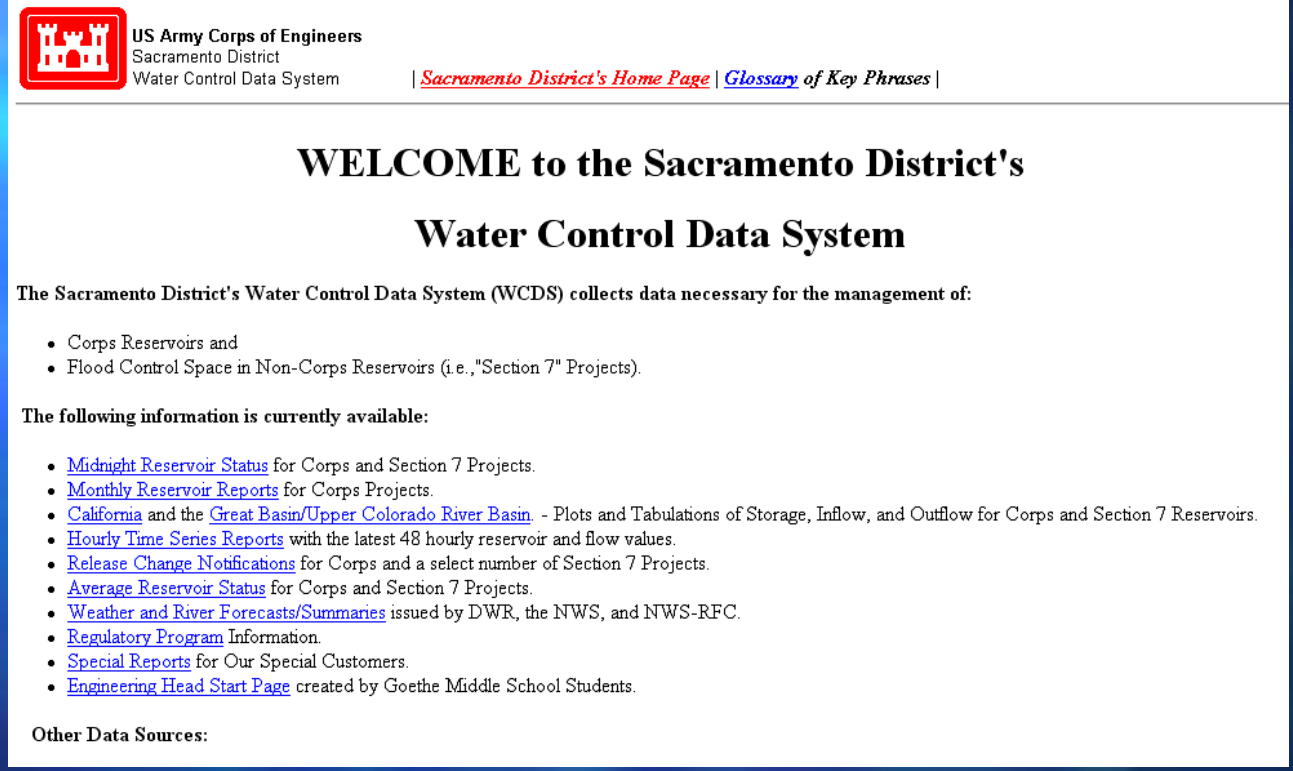
New Melones Information



US Army Corps of Engineers
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Water Control Data System

| *Sacramento District's Home Page* | *Glossary of Key Phrases* |

WELCOME to the Sacramento District's

Water Control Data System

The Sacramento District's Water Control Data System (WCDS) collects data necessary for the management of:

- Corps Reservoirs and
- Flood Control Space in Non-Corps Reservoirs (i.e.,"Section 7" Projects).

The following information is currently available:

- Midnight Reservoir Status for Corps and Section 7 Projects.
- Monthly Reservoir Reports for Corps Projects.
- California and the Great Basin/Upper Colorado River Basin. - Plots and Tabulations of Storage, Inflow, and Outflow for Corps and Section 7 Reservoirs.
- Hourly Time Series Reports with the latest 48 hourly reservoir and flow values.
- Release Change Notifications for Corps and a select number of Section 7 Projects.
- Average Reservoir Status for Corps and Section 7 Projects.
- Weather and River Forecasts/Summaries issued by DWR, the NWS, and NWS-RFC.
- Regulatory Program Information.
- Special Reports for Our Special Customers.
- Engineering Head Start Page created by Goethe Middle School Students.

Other Data Sources:

http://www.spk-wc.usace.army.mil/

Water Management

· San Joaquin Valley · Top of Page			5 Days	10 Days	1 Month	WY 2006	WY 2005	WY 2004	WY 2003	WY 2002	WY 2001	WY 2000	WY 1999	WY 1998	WY 1997	WY 1996	WY 1995
Camanche Dam & Reservoir (CMN)	Mokelumne River	EBMUD	-	-	D	D	D	D	D	D	D	D	D	D	D	D	D
New Hogan Dam & Lake (NHG)	Calaveras River	COE	H	H	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD
Farmington Dam & Reservoir (FRM)	Littlejohn Creek	COE	H	H	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD
New Melones Dam & Lake (NML)	Stanislaus River	USBR	-	-	D	D	D	D	D	D	D	D	D	D	D	D	D
Tulloch Reservoir (TUL)	Stanislaus River		-	-	D	D	D	D	D	D	D	D	D	D	D	D	D

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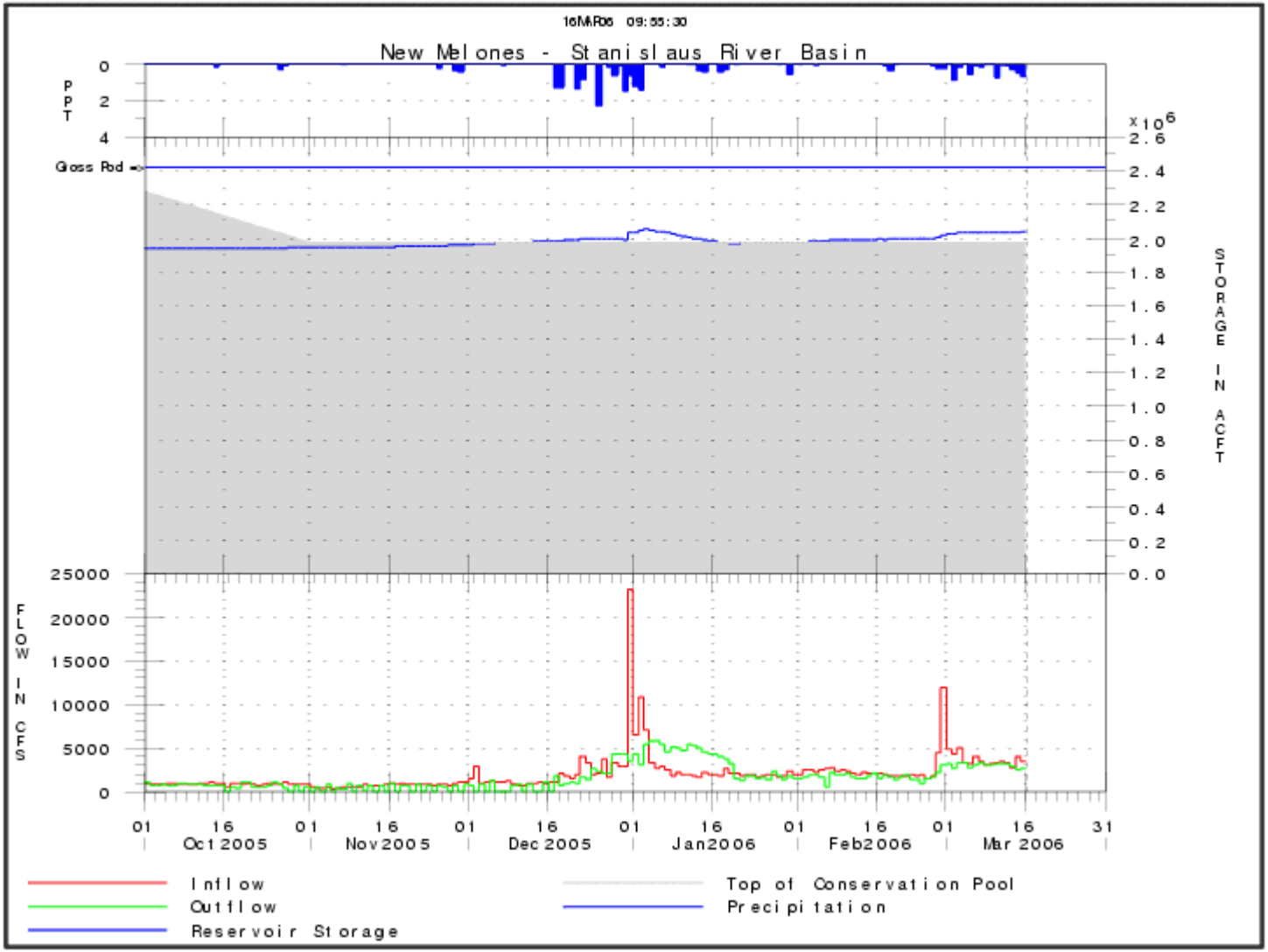

Water Management

---- San Joaquin Valley ----

	Storages					Flood Control Parameters	
	Gross Pool (acft)	Top of Conservation (acft)***	Actual Res (acft)	% of Gross Pool	Above Top of Conserv (acft)	Rain (in)	Snow (acft)
EBMUD Reservoirs:				(33)			
Camanche:	417,100	228,200	293,350	70 (34)	65,150 (55)	----	488,486
Pardee:	197,950		192,200	97			
Salt Springs:	140,000		97,626	70			
Lower Bear:	49,000		28,681	59			
New Hogan:	317,100	187,000	230,538	73 (33)	43,538 (59)	7.41	---
Farmington:	52,000	0	7,261	14 (14)	7,261	----	---
New Melones:	2,420,000	1,970,000	2,034,718	84 (14)	64,718 (81)	----	786,937
Beardsly:	97,800		78,173	80			
Donnells:	64,300		20,653	32			
Tulloch:	67,000	57,000	56,387	84	-613 (85)	----	---
Don Pedro:	2,030,000	1,690,000	1,665,634	82	-24,366 (83)	----	1,338,509
Hetch Hetchy:	360,400		241,450	67			
Cherry Vly:	268,200		234,591	87			
Eleanor:	26,000		21,681	83			
New Exchequer:	1,024,600	674,600	-NR-		-NR- (66)	----	656,981
Burns:	6,800	0	10	0 (0)	10	----	---
Bear:	7,700	0	11	0 (0)	11	----	---
Owens:	3,600	0	7	0 (0)	7	----	---
Mariposa:	15,000	0	385	3 (3)	385	----	---
Los Banos:	34,600	20,600	20,679	60 (1)	79 (60)	----	---
Buchanan:	150,000	115,600	127,551	85 (35)	11,951 (77)	4.58	---
Hidden:	90,000	41,200	64,326	71 (47)	23,126 (46)	5.03	---
Friant:	520,500	474,400	443,208	85	-31,192 (91)	----	1,287,814
Mammoth:	122,700		59,446	48			
Total U/S:	628,500		327,061	52			
Big Dry Creek:	30,200	200	-NR-		-NR- (1)	----	---
BASIN TOTALS	7,186,300	5,458,800	-NR-		-NR-	-NR-	
w/US Storages	9,018,450		-NR-				

Water Management

US Army Corps
of Engineers
Sacramento District
Water Management

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U.S. Army Corps of Engineers
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